

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059529.D
 Acq On : 9 Dec 2019 15:52
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:46 PM

Quant Time: Dec 09 16:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	270123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	428099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	435991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	167421	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.57	113	119531	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
50) Toluene-d8	10.08	98	464574	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
62) 4-Bromofluorobenzene	12.40	95	194680	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	133832	45.026	ug/l	100
3) Chloromethane	2.04	50	204295	50.359	ug/l	100
4) Vinyl Chloride	2.17	62	204395	74.750	ug/l	100
5) Bromomethane	2.54	94	120652	71.706	ug/l	100
6) Chloroethane	2.68	64	118421	74.132	ug/l	100
7) Trichlorofluoromethane	3.00	101	242658	74.408	ug/l	100
8) Diethyl Ether	3.39	74	76495	41.372	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	120739	43.077	ug/l	100
10) Methyl Iodide	3.93	142	162781	46.278	ug/l	100
11) Tert butyl alcohol	4.75	59	128822	209.978	ug/l	100
12) 1,1-Dichloroethene	3.71	96	113618	41.777	ug/l	100
13) Acrolein	3.58	56	45072	95.513	ug/l	100
14) Allyl chloride	4.30	41	233728	43.273	ug/l	100
15) Acrylonitrile	4.95	53	366586	220.540	ug/l	100
16) Acetone	3.79	43	345869	156.926	ug/l	100
17) Carbon Disulfide	4.03	76	387484	41.445	ug/l	100
18) Methyl Acetate	4.29	43	192176	43.487	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	419523	44.835	ug/l	100
20) Methylene Chloride	4.52	84	137817	39.801	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	129677	42.372	ug/l	100
22) Diisopropyl ether	5.92	45	460974	45.771	ug/l	100
23) Vinyl Acetate	5.87	43	2003467	246.752	ug/l	100
24) 1,1-Dichloroethane	5.82	63	254883	44.618	ug/l	100
25) 2-Butanone	6.81	43	532579	213.736	ug/l	100
26) 2,2-Dichloropropane	6.80	77	231211	46.352	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	148276	43.535	ug/l	100
28) Bromochloromethane	7.17	49	97229	53.416	ug/l	100
29) Tetrahydrofuran	7.18	42	355681	225.925	ug/l	100
30) Chloroform	7.35	83	252533	45.432	ug/l	100
31) Cyclohexane	7.63	56	235915	42.897	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	224900	46.400	ug/l	100
36) 1,1-Dichloropropene	7.77	75	196292	44.990	ug/l	100
37) Ethyl Acetate	6.90	43	220596	45.250	ug/l	100
38) Carbon Tetrachloride	7.75	117	197603	46.869	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059529.D
 Acq On : 9 Dec 2019 15:52
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:46 PM

Quant Time: Dec 09 16:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	230417	44.239	ug/l	100
40) Benzene	8.02	78	569536	44.770	ug/l	100
41) Methacrylonitrile	7.16	41	104407m	51.928	ug/l	
42) 1,2-Dichloroethane	8.10	62	218122	49.374	ug/l	100
43) Isopropyl Acetate	8.14	43	354322	48.573	ug/l	100
44) Trichloroethene	8.82	130	142799	43.040	ug/l	100
45) 1,2-Dichloropropane	9.10	63	153150	44.985	ug/l	100
46) Dibromomethane	9.19	93	98086	46.028	ug/l	100
47) Bromodichloromethane	9.39	83	202887	47.314	ug/l	100
48) Methyl methacrylate	9.18	41	157080	47.815	ug/l	100
49) 1,4-Dioxane	9.19	88	38137	788.117	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1084856	251.066	ug/l	100
52) Toluene	10.15	92	343837	44.800	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	234742	46.681	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	245576	46.289	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	136559	45.062	ug/l	100
56) Ethyl methacrylate	10.42	69	209964	47.823	ug/l	100
57) 1,3-Dichloropropane	10.70	76	239498	45.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	155041	120.865	ug/l	100
59) 2-Hexanone	10.74	43	825637	253.890	ug/l	100
60) Dibromochloromethane	10.90	129	151914	46.652	ug/l	100
61) 1,2-Dibromoethane	11.00	107	144550	46.044	ug/l	100
64) Tetrachloroethene	10.63	164	125973	35.662	ug/l	100
65) Chlorobenzene	11.43	112	400039	43.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151729	45.339	ug/l	100
67) Ethyl Benzene	11.51	91	751217	46.098	ug/l	100
68) m/p-Xylenes	11.62	106	599234	97.951	ug/l	100
69) o-Xylene	11.95	106	282146	48.428	ug/l	100
70) Styrene	11.96	104	467910	50.142	ug/l	100
71) Bromoform	12.13	173	132600	50.150	ug/l #	100
73) Isopropylbenzene	12.25	105	699563	37.168	ug/l	100
74) N-amyl acetate	12.07	43	330404	42.995	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	246077	40.276	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234670m	38.898	ug/l	
77) Bromobenzene	12.53	156	184329	38.676	ug/l	100
78) n-propylbenzene	12.59	91	901920	40.765	ug/l	100
79) 2-Chlorotoluene	12.67	91	523776	39.214	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	656663	41.221	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89427	40.231	ug/l	100
82) 4-Chlorotoluene	12.77	91	559254	40.419	ug/l	100
83) tert-Butylbenzene	12.99	119	551852	39.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	667845	42.787	ug/l	100
85) sec-Butylbenzene	13.17	105	768622	41.865	ug/l	100
86) p-Isopropyltoluene	13.29	119	709337	42.968	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351593	41.449	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	353458	41.269	ug/l	100
89) n-Butylbenzene	13.62	91	637273	42.963	ug/l	100
90) Hexachloroethane	13.88	117	127804	40.177	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	338790	41.724	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57322	38.876	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
Data File : VN059529.D
Acq On : 9 Dec 2019 15:52
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM

Quant Time: Dec 09 16:35:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234734	45.965	ug/l	100
94) Hexachlorobutadiene	15.01	225	126838	39.896	ug/l	100
95) Naphthalene	15.13	128	658079	43.948	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226195	41.406	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

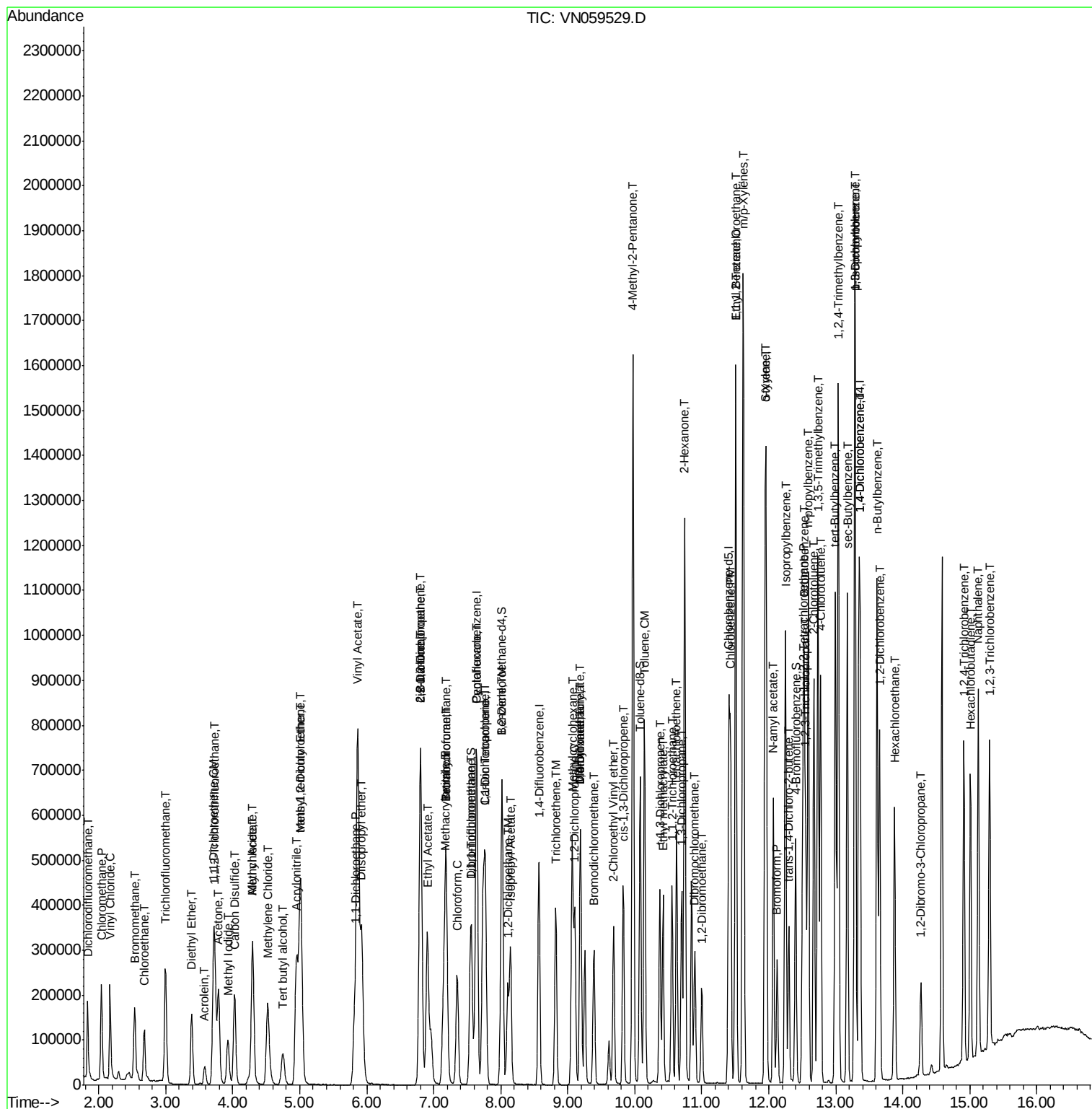
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120919\
Data File : VN059529.D
Acq On : 9 Dec 2019 15:52
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

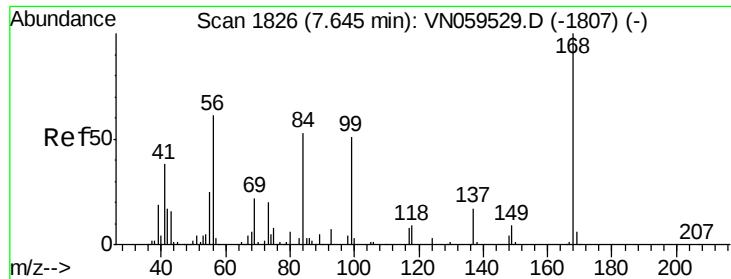
Instrument :
MSVOA_N
ClientSampleID :
VSTDICCC050

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM

Quant Time: Dec 09 16:35:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 270123

Ion Ratio Lower Upper

168 100

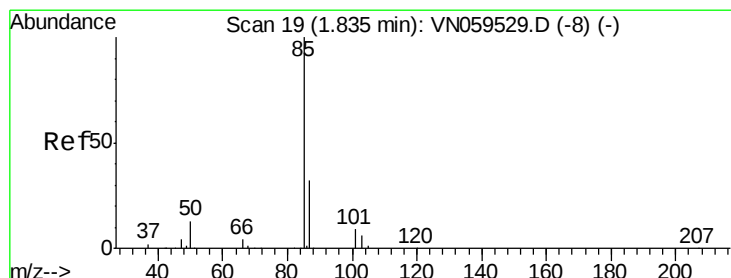
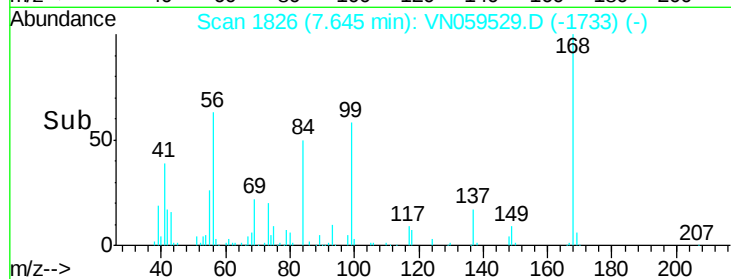
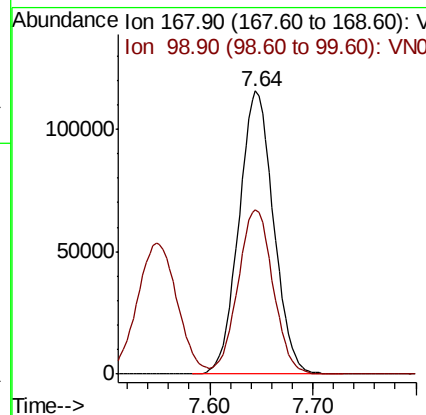
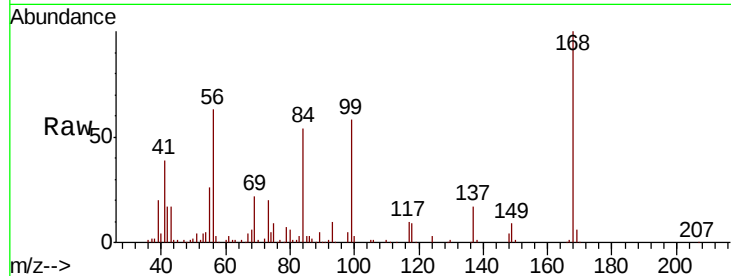
99 58.3 46.6 70.0

Manual Integrations

APPROVED

apatel

12/10/2019 5:10:46 PM



#2

Dichlorodifluoromethane

Concen: 45.026 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059529.D

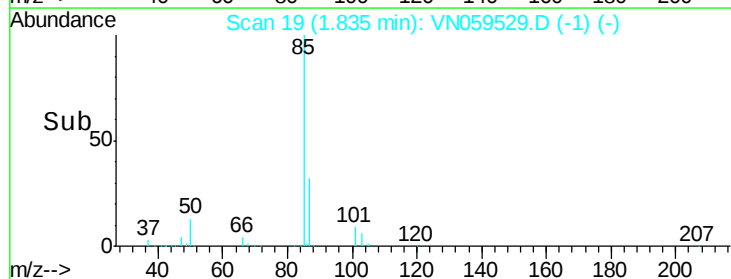
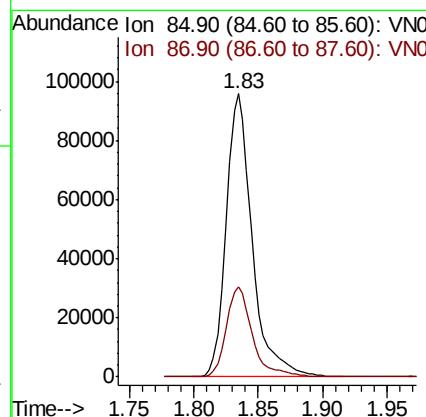
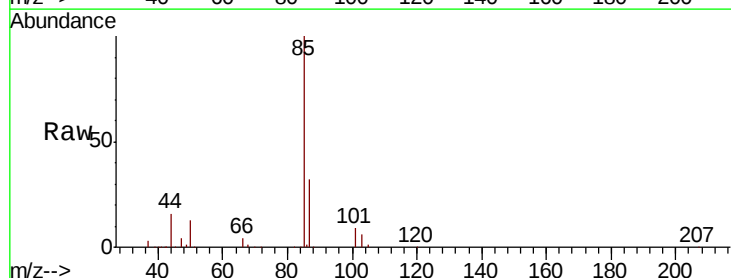
Acq: 9 Dec 2019 15:52

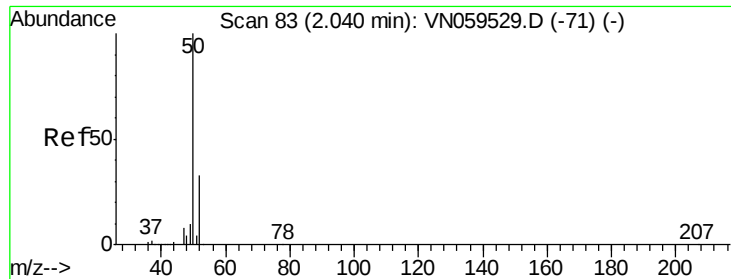
Tgt Ion: 85 Resp: 133832

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





#3

Chloromethane

Concen: 50.359 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 204295

Ion Ratio Lower Upper

50 100

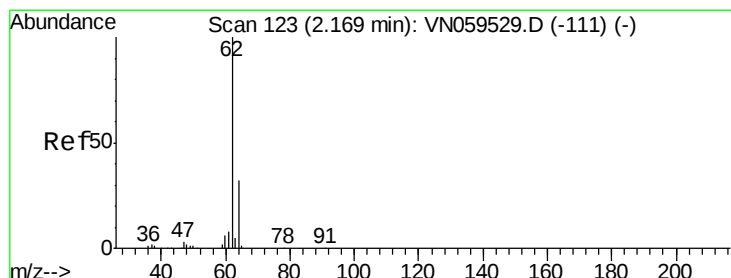
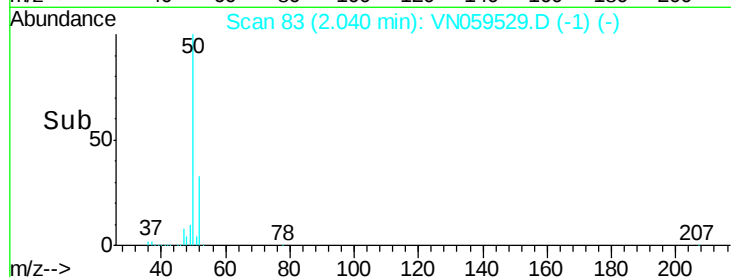
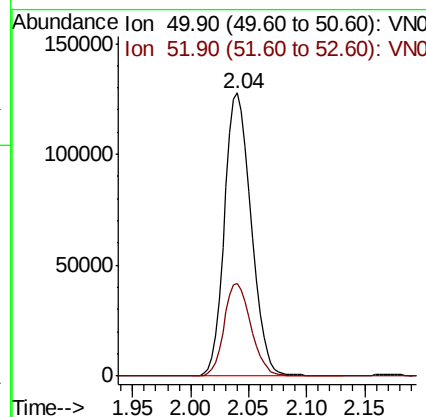
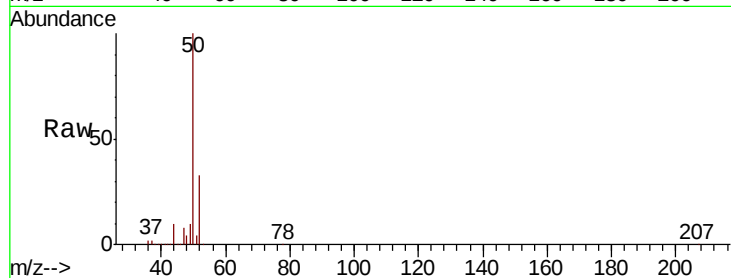
52 32.8 26.2 39.4

Manual Integrations

APPROVED

apatel

12/10/2019 5:10:46 PM



#4

Vinyl Chloride

Concen: 74.750 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059529.D

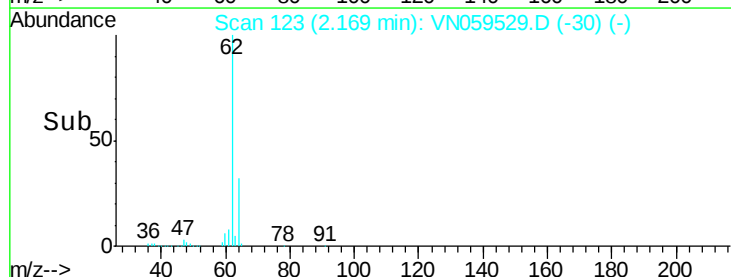
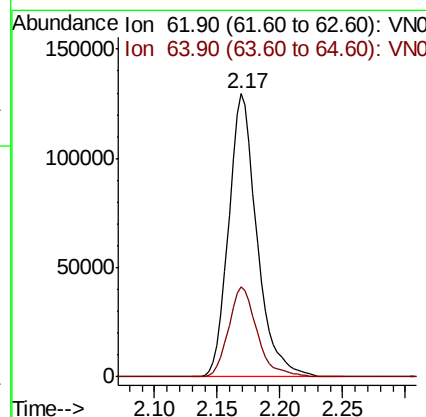
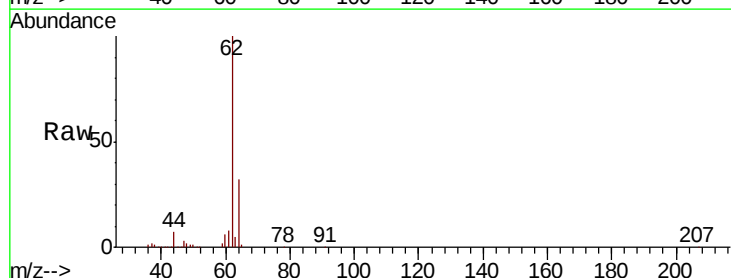
Acq: 9 Dec 2019 15:52

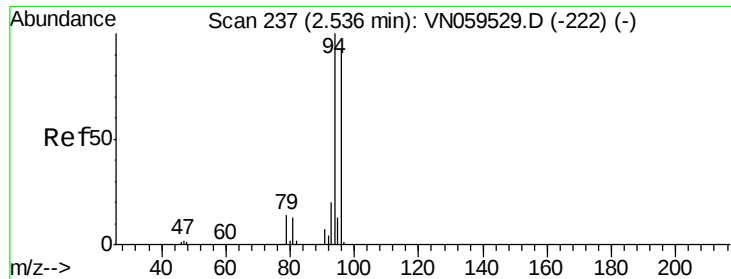
Tgt Ion: 62 Resp: 204395

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 71.706 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 120652

Ion Ratio Lower Upper

94 100

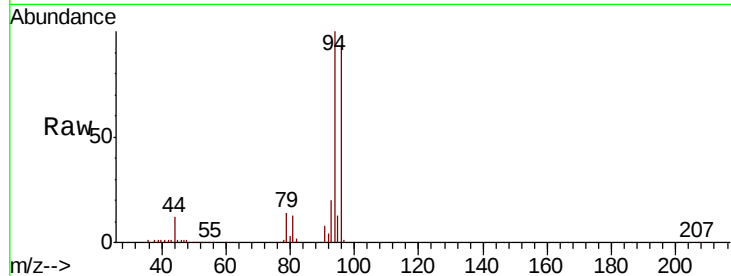
96 93.3 74.6 112.0

Manual Integrations

APPROVED

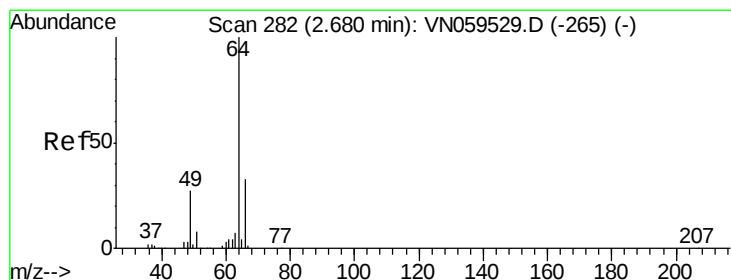
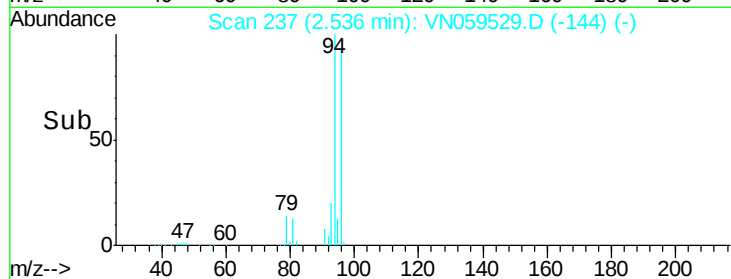
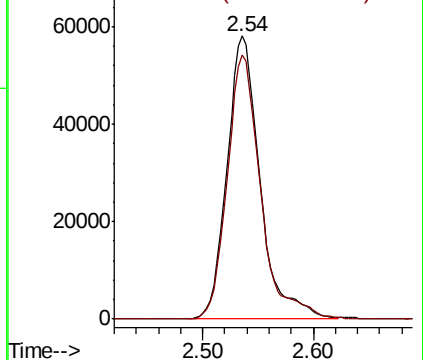
apatel

12/10/2019 5:10:46 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 74.132 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059529.D

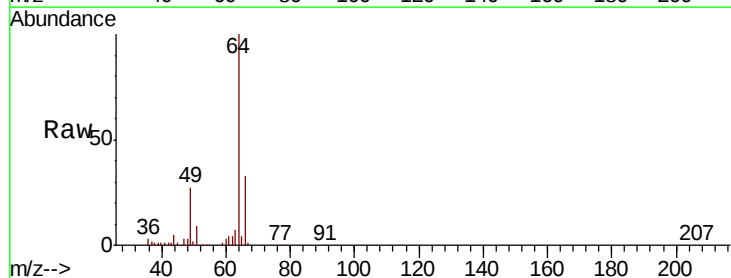
Acq: 9 Dec 2019 15:52

Tgt Ion: 64 Resp: 118421

Ion Ratio Lower Upper

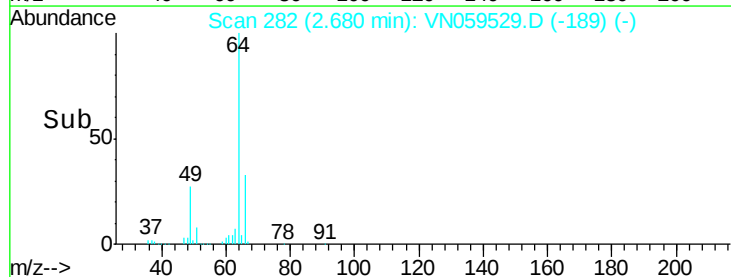
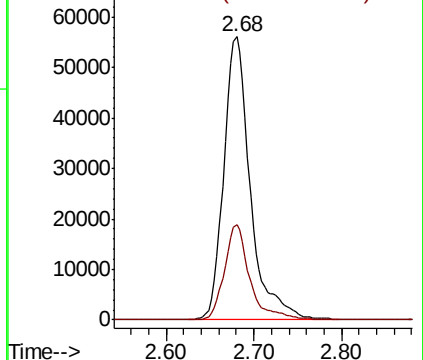
64 100

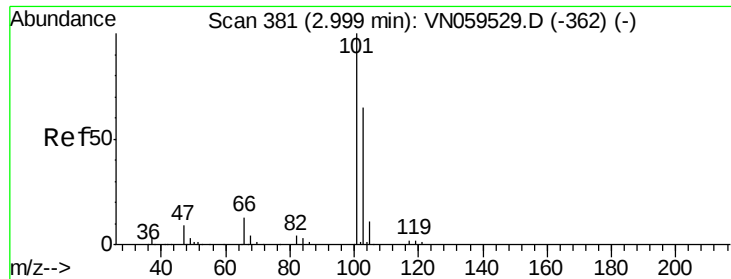
66 33.4 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

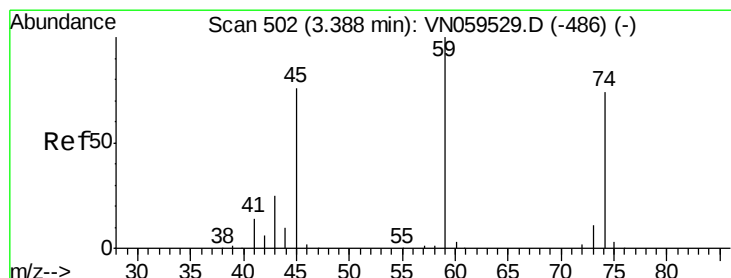
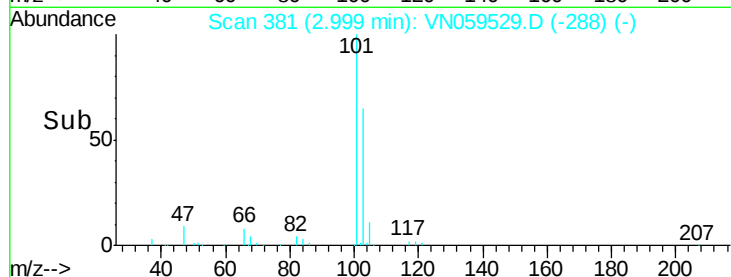
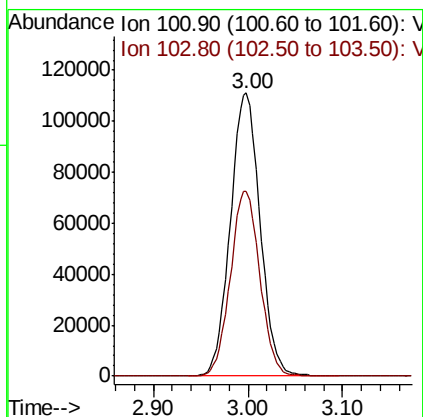
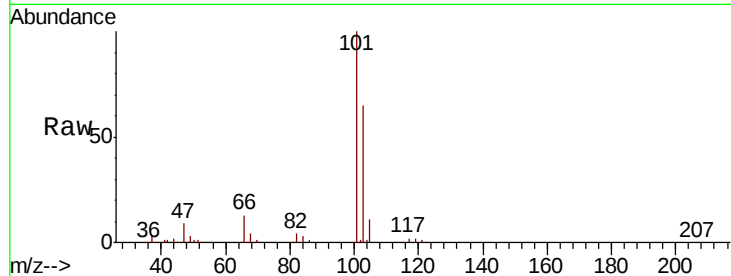
Trichlorofluoromethane
 Concen: 74.408 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Manual Integrations
 APPROVED

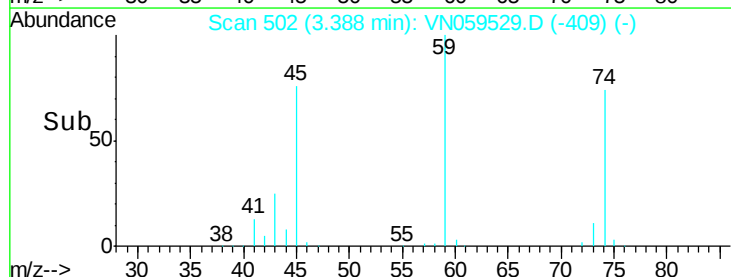
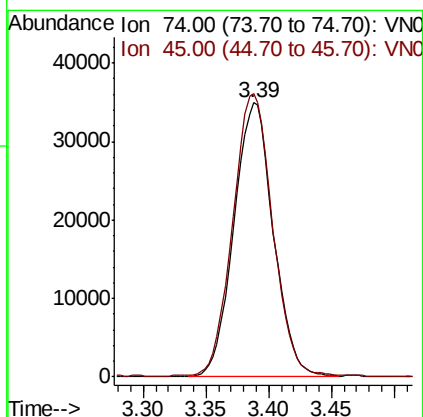
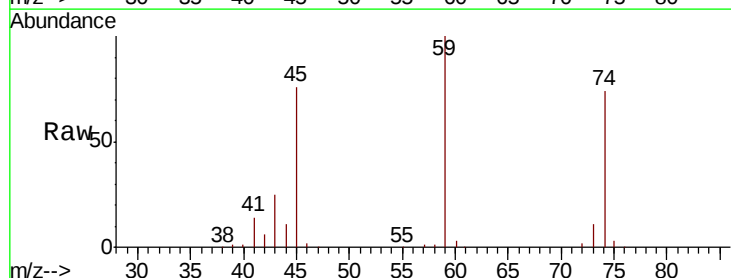
apatel
 12/10/2019 5:10:46 PM

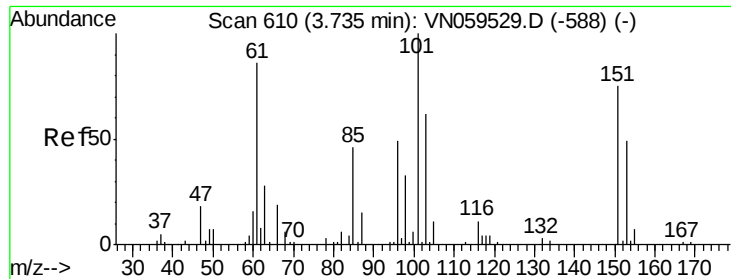


#8

Diethyl Ether
 Concen: 41.372 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.077 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

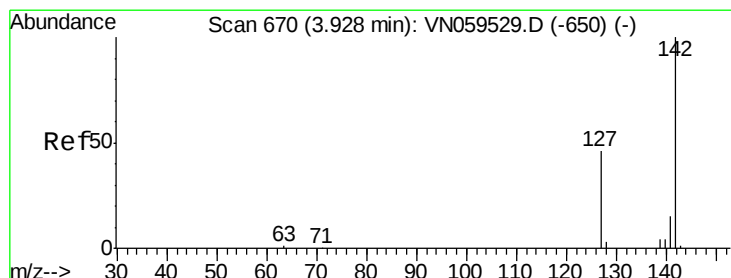
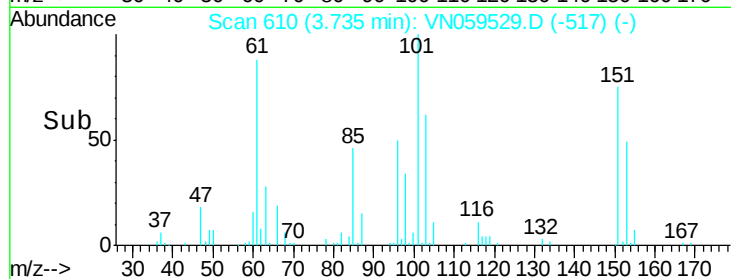
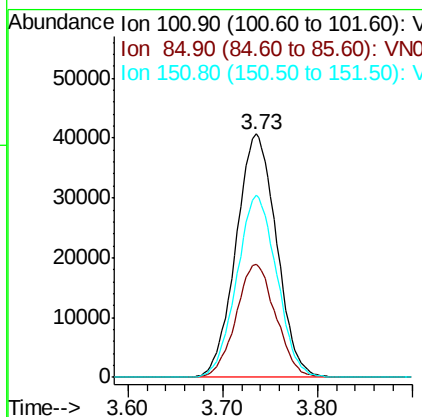
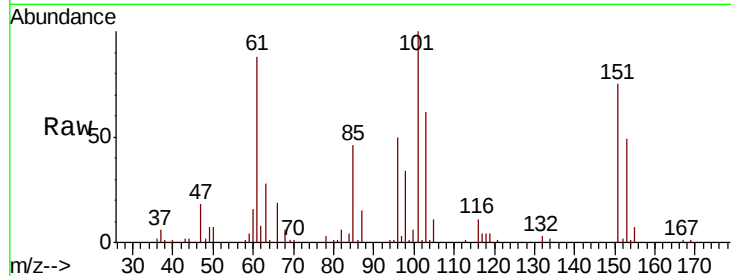
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	120739
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	54.8
151	74.1	59.3	88.9

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#10

Methyl Iodide

Concen: 46.278 ug/l

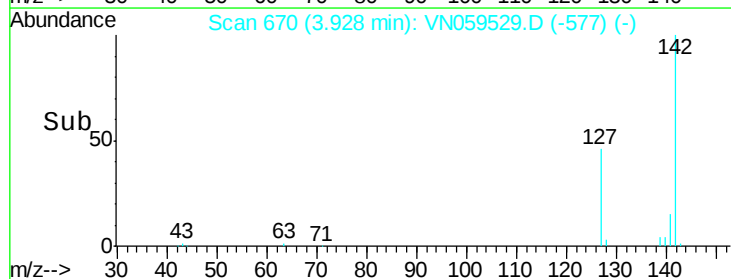
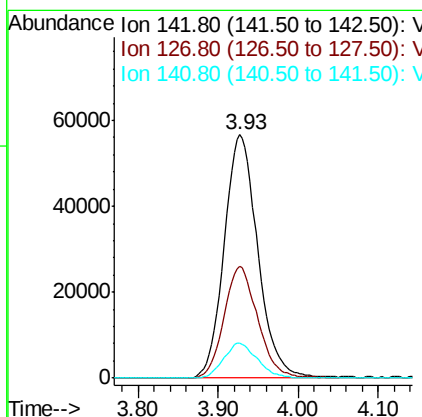
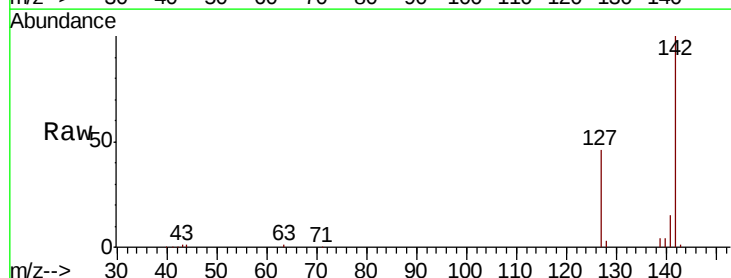
RT: 3.93 min Scan# 670

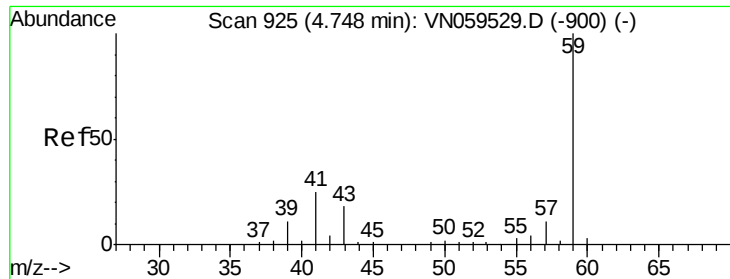
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	142	Resp:	162781
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.6	54.8
141	14.5	11.6	17.4





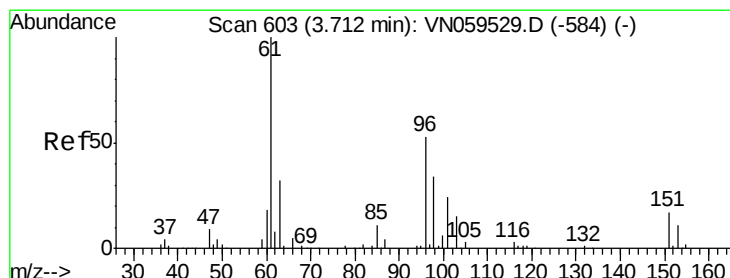
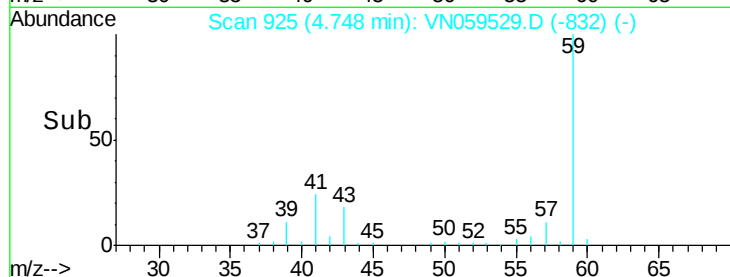
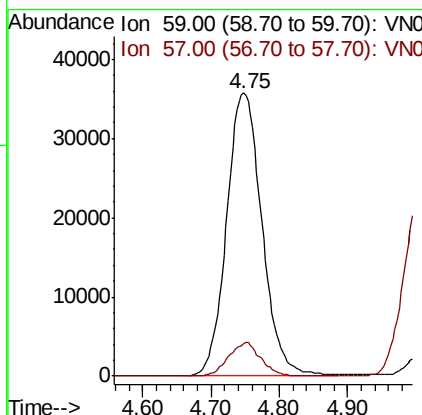
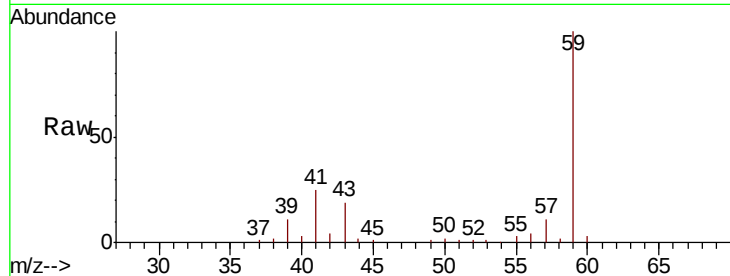
#11
Tert butyl alcohol
Concen: 209.978 ug/l
RT: 4.75 min Scan# 925
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 128822
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0

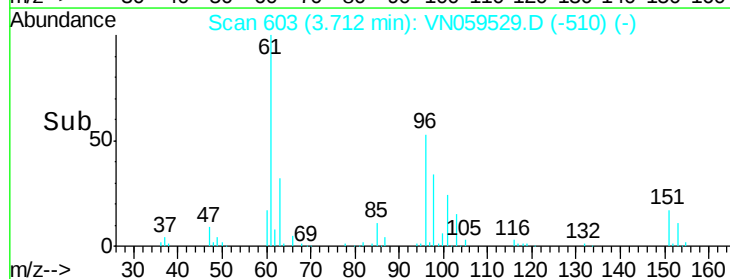
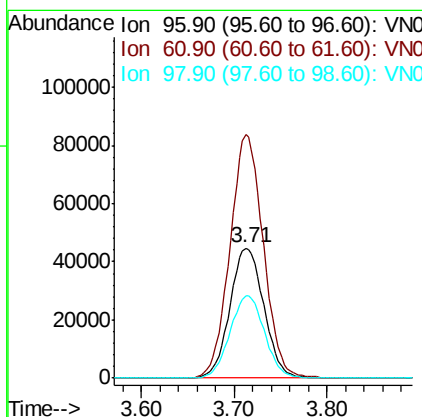
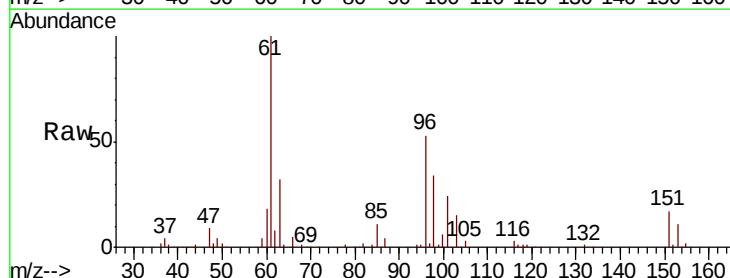
Manual Integrations
APPROVED

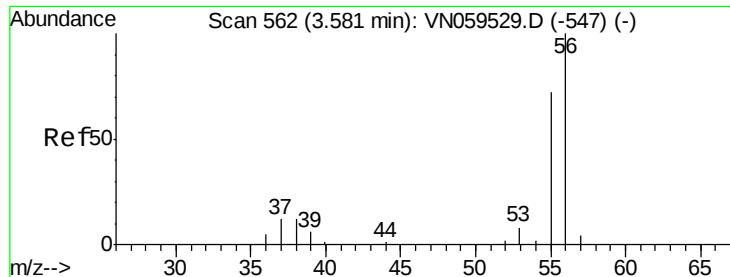
apatel
12/10/2019 5:10:46 PM



#12
1,1-Dichloroethene
Concen: 41.777 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion: 96 Resp: 113618
Ion Ratio Lower Upper
96 100
61 187.2 149.8 224.6
98 63.2 50.6 75.8





#13

Acrolein

Concen: 95.513 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 45072

Ion Ratio Lower Upper

56 100

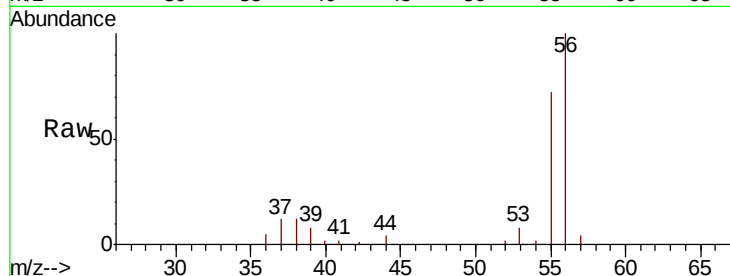
55 71.1 56.9 85.3

Manual Integrations

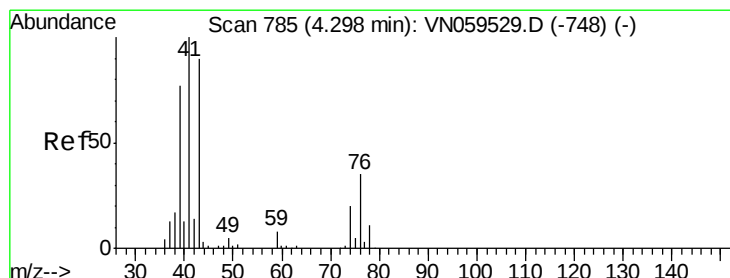
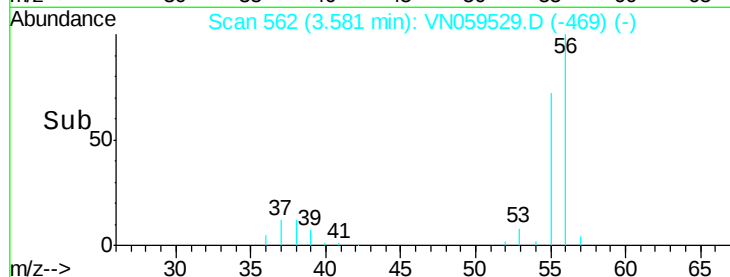
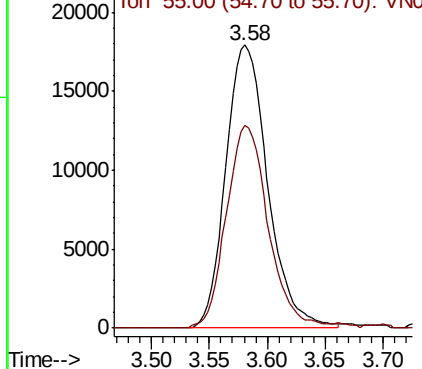
APPROVED

apatel

12/10/2019 5:10:46 PM



Abundance Ion 56.00 (55.70 to 56.70): VN059529.D (-547) (-)



#14

Allyl chloride

Concen: 43.273 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

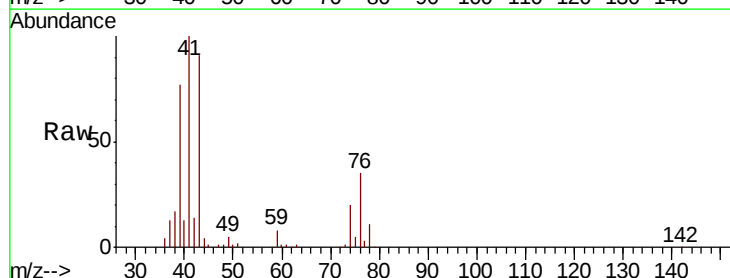
Tgt Ion: 41 Resp: 233728

Ion Ratio Lower Upper

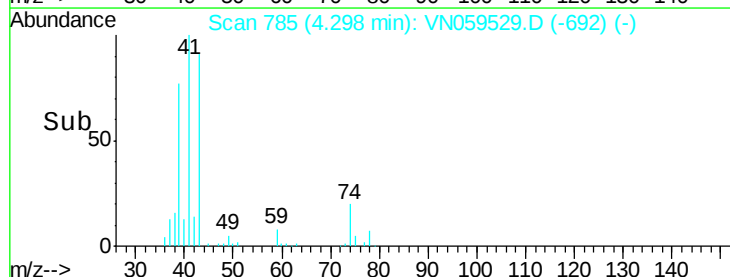
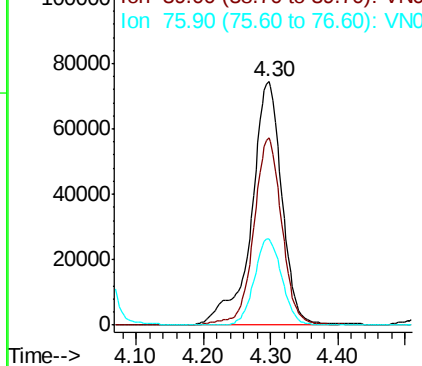
41 100

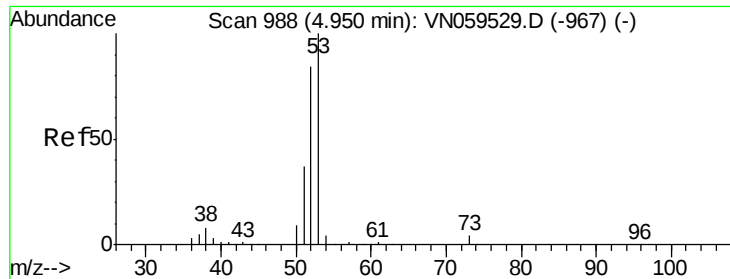
39 70.9 56.7 85.1

76 31.9 25.5 38.3



Abundance Ion 41.00 (40.70 to 41.70): VN059529.D (-748) (-)





#15

Acrylonitrile

Concen: 220.540 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

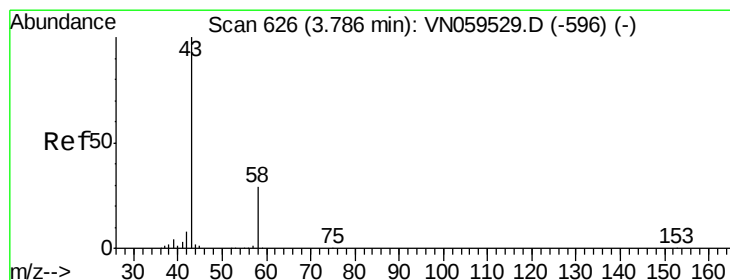
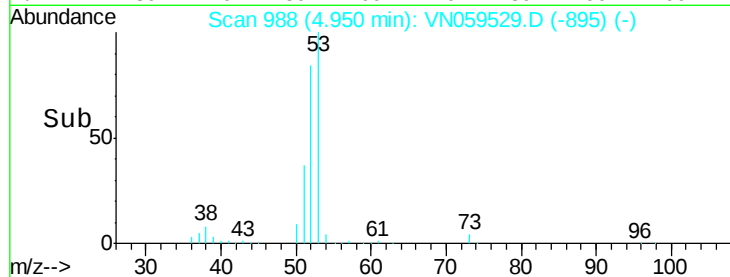
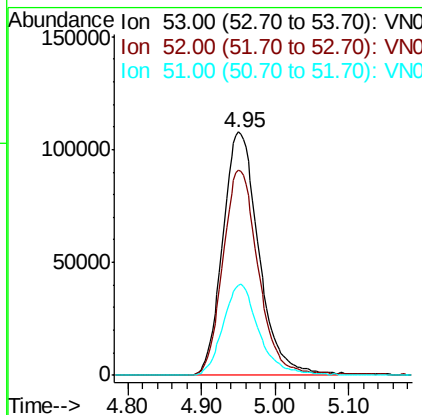
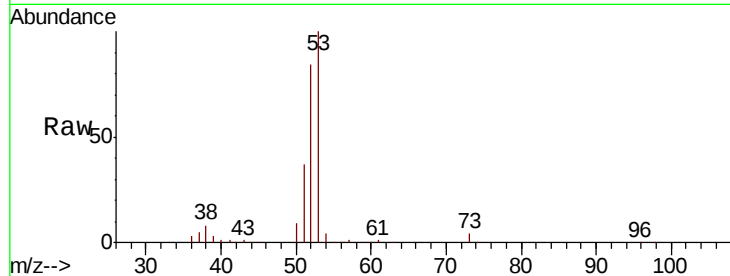
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	366586
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	99.8
51	37.3	29.8	44.8

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#16

Acetone

Concen: 156.926 ug/l

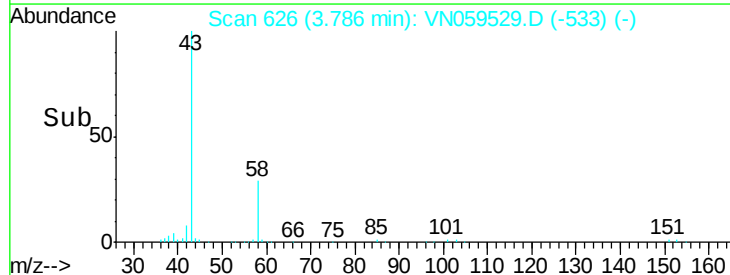
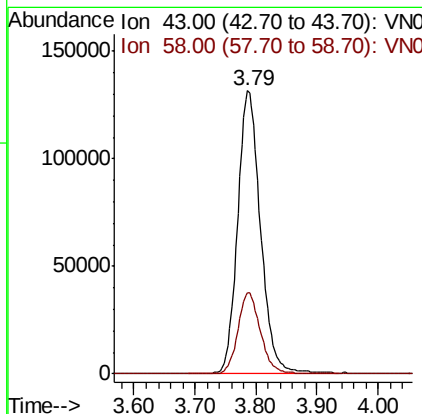
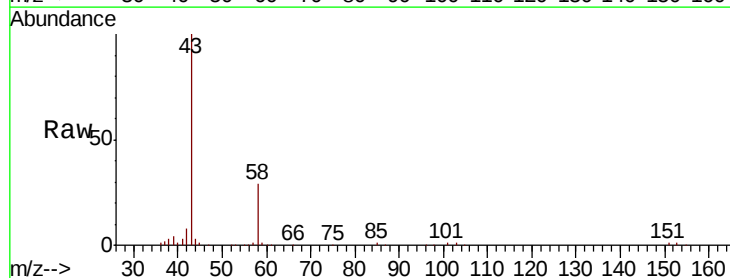
RT: 3.79 min Scan# 626

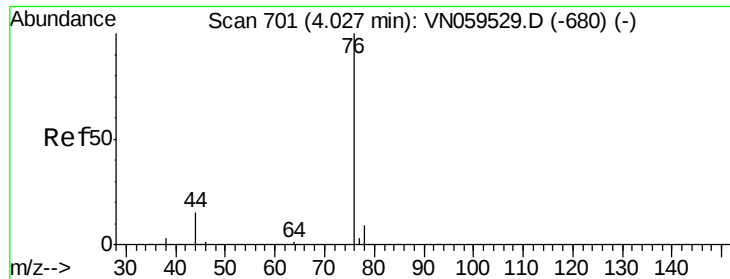
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	43	Resp:	345869
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.0	34.4





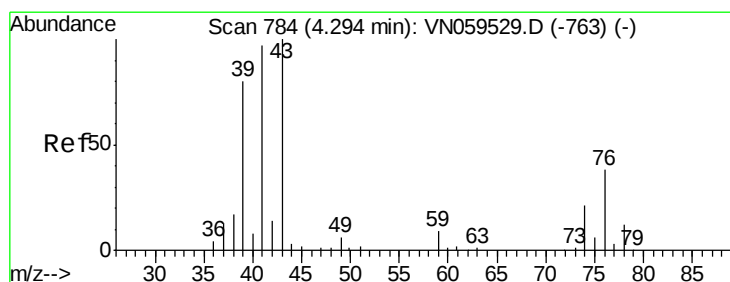
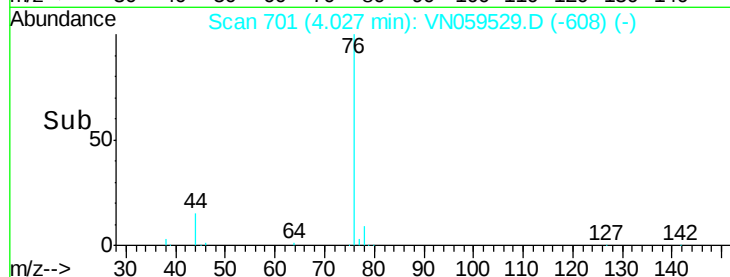
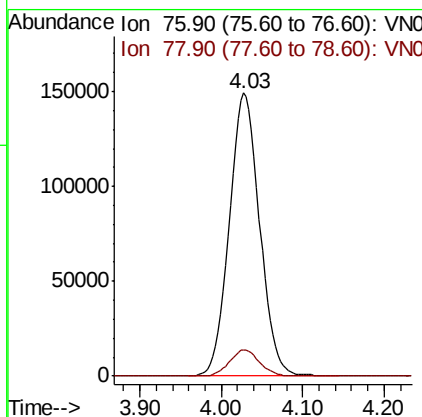
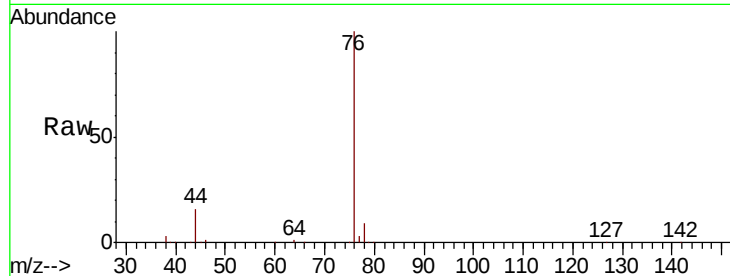
#17
Carbon Disulfide
Concen: 41.445 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

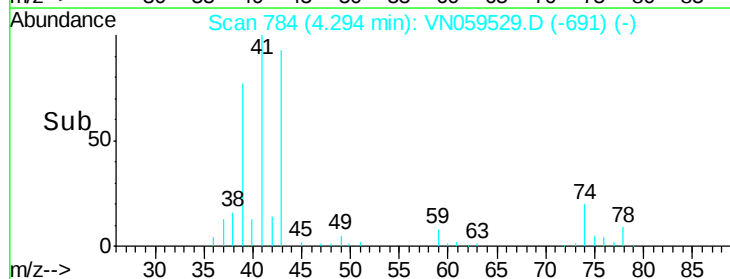
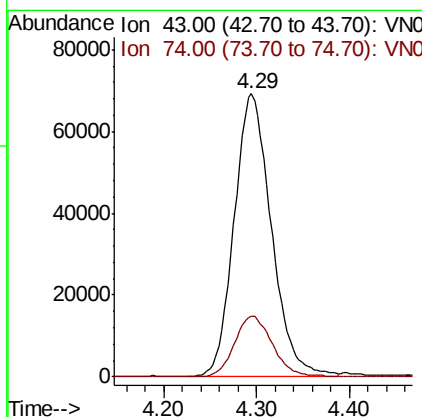
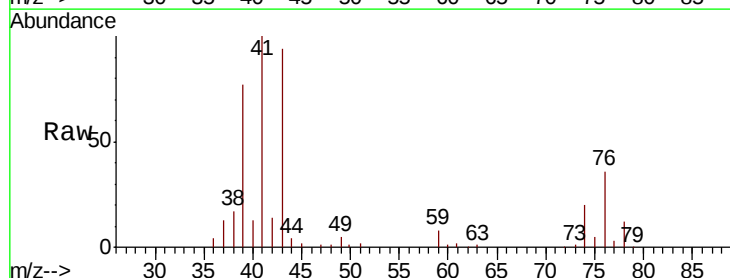
Manual Integrations
APPROVED

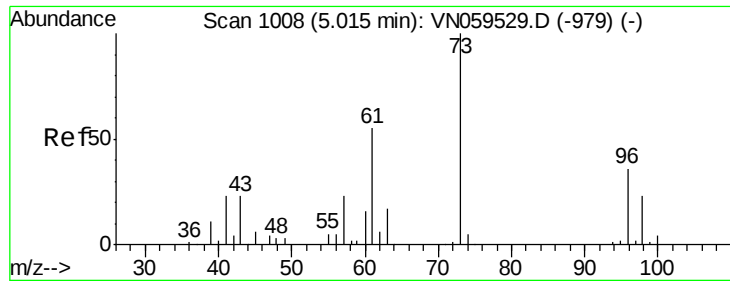
apatel
12/10/2019 5:10:46 PM



#18
Methyl Acetate
Concen: 43.487 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.5	26.3





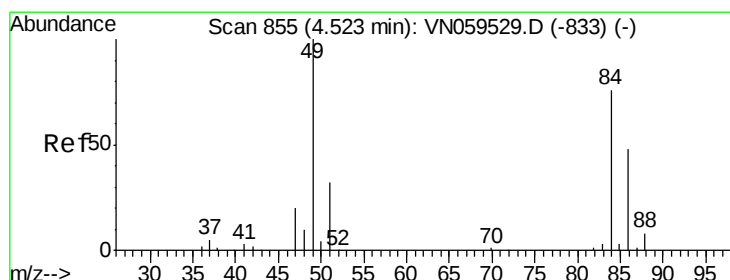
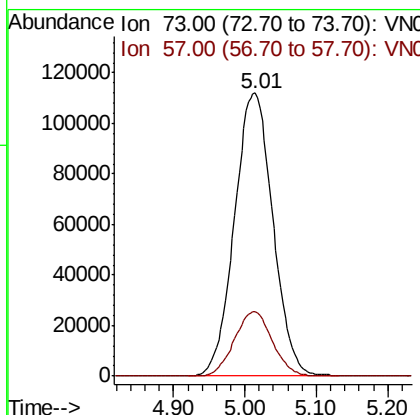
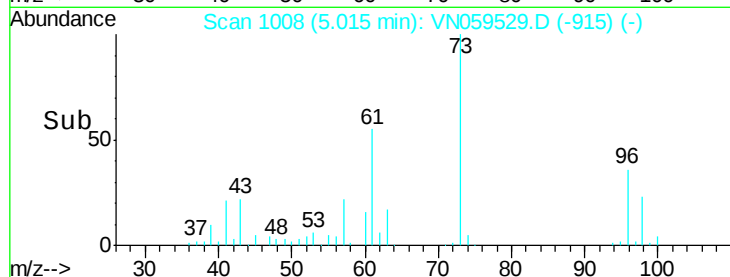
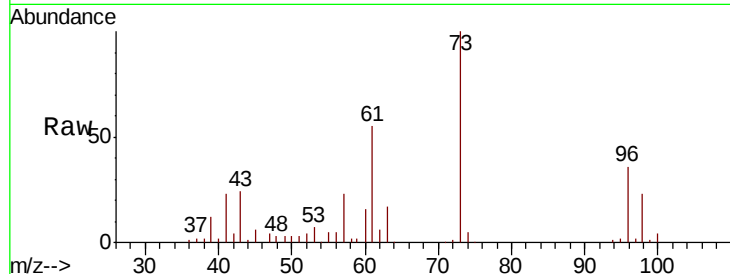
#19
Methvl tert-butvl Ether
Concen: 44.835 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 419523
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

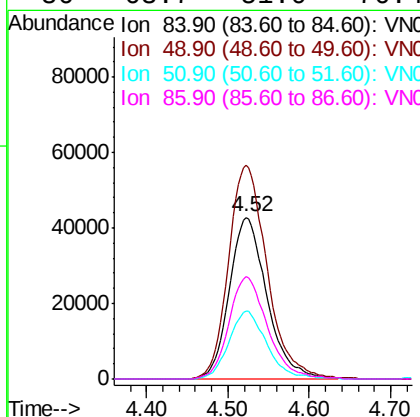
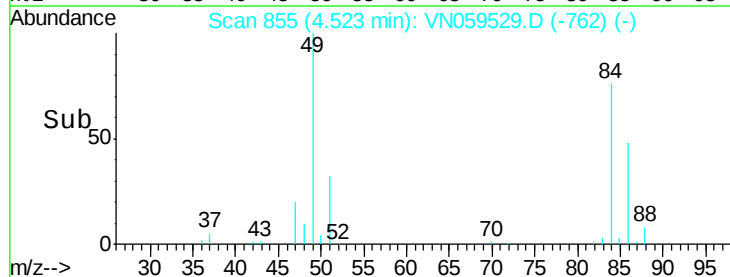
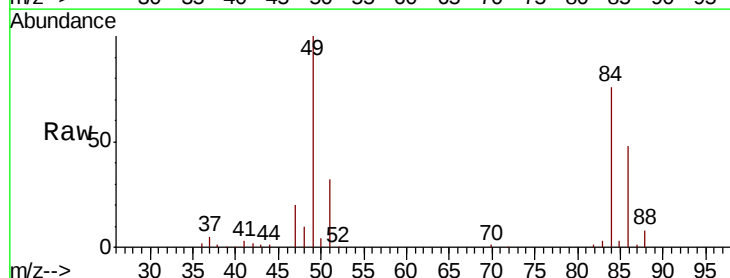
Manual Integrations
APPROVED

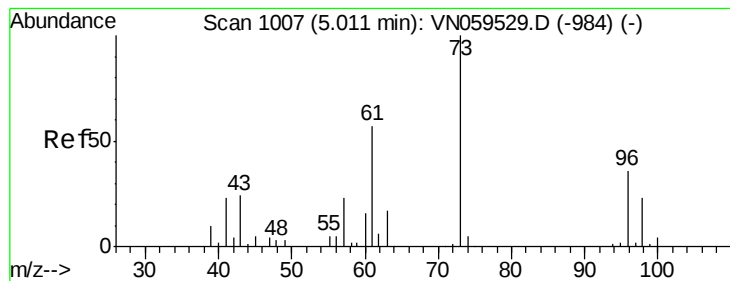
apatel
12/10/2019 5:10:46 PM



#20
Methylene Chloride
Concen: 39.801 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion: 84 Resp: 137817
Ion Ratio Lower Upper
84 100
49 132.3 105.8 158.8
51 42.1 33.7 50.5
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 42.372 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

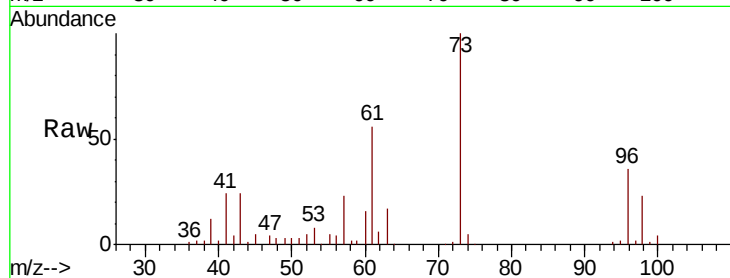
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	129677
Ion	Ratio	Lower	Upper
96	100		
61	156.0	124.8	187.2
98	63.7	51.0	76.4

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM

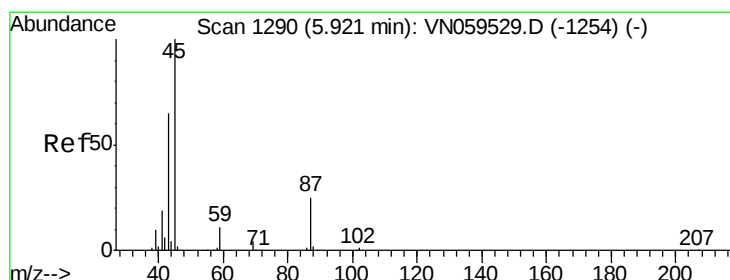
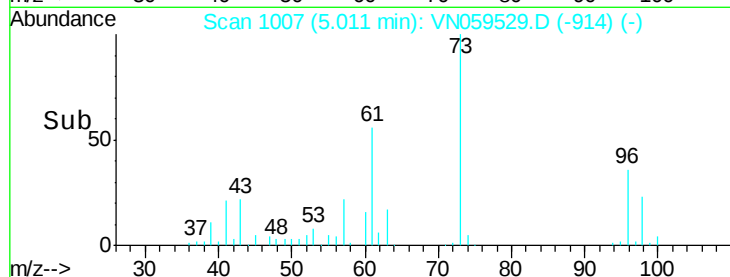
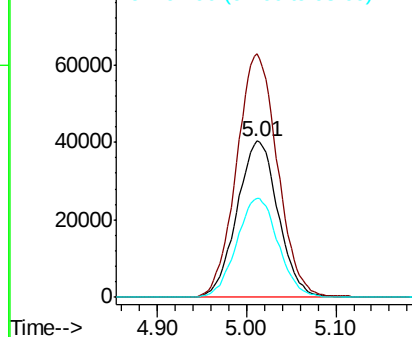


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 45.771 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	45	Resp:	460974
Ion	Ratio	Lower	Upper
45	100		
43	66.0	52.8	79.2
87	25.3	20.2	30.4
59	11.4	9.1	13.7

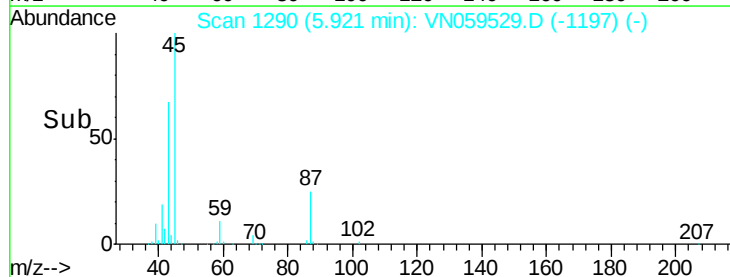
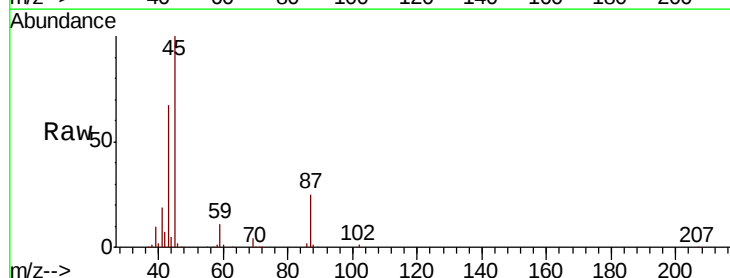
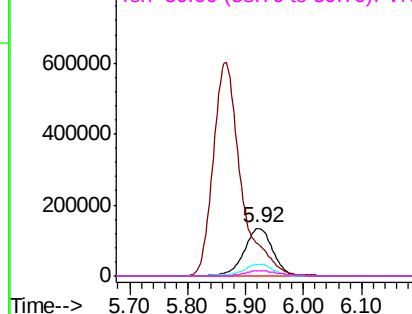
Abundance

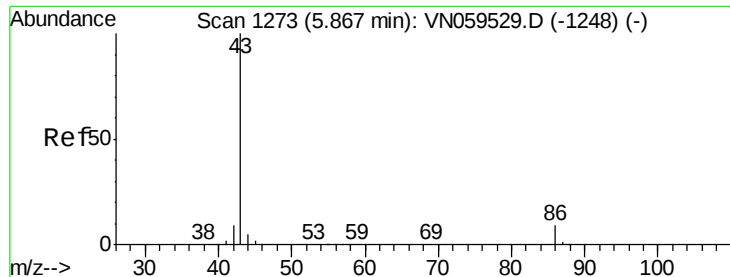
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





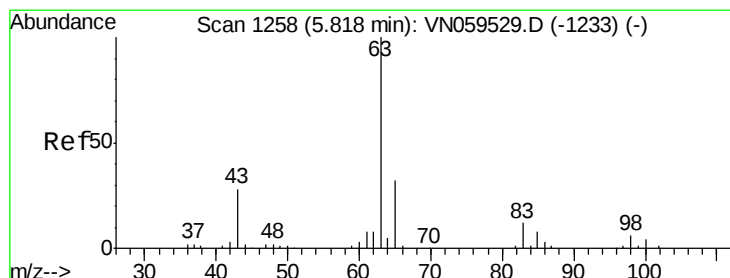
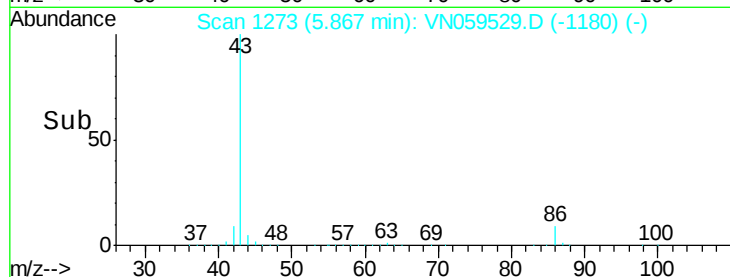
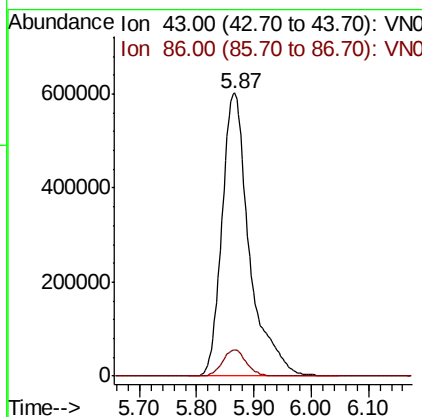
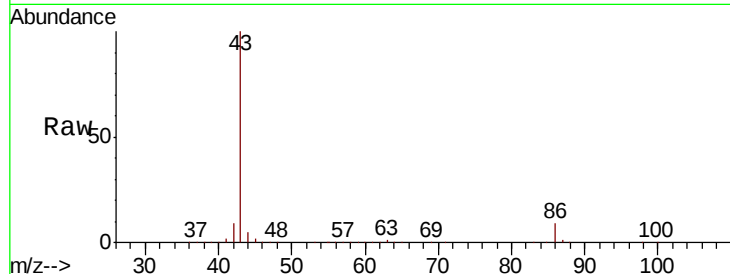
#23
 Vinyl Acetate
 Concen: 246.752 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2003467
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

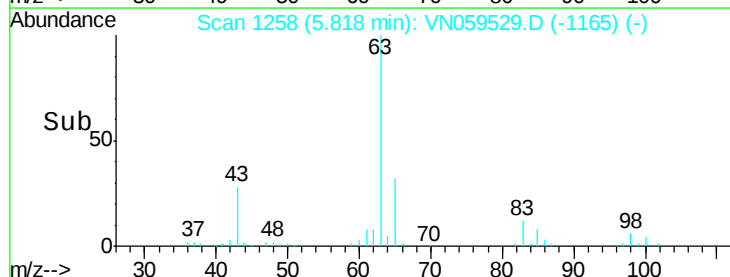
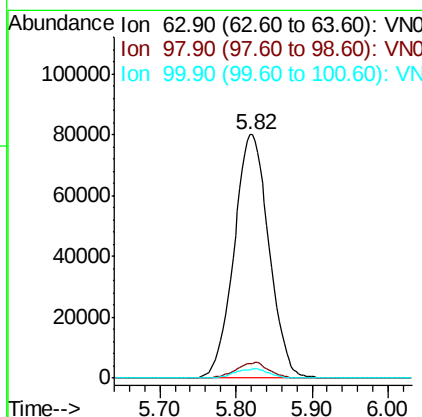
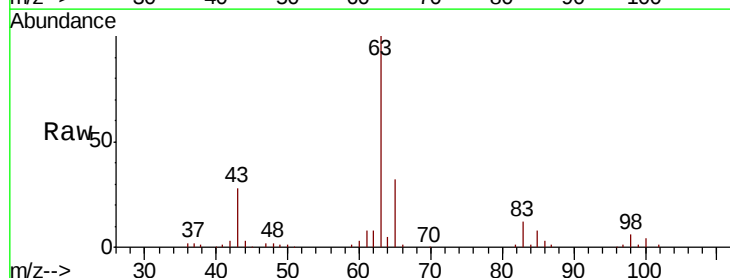
Manual Integrations
 APPROVED

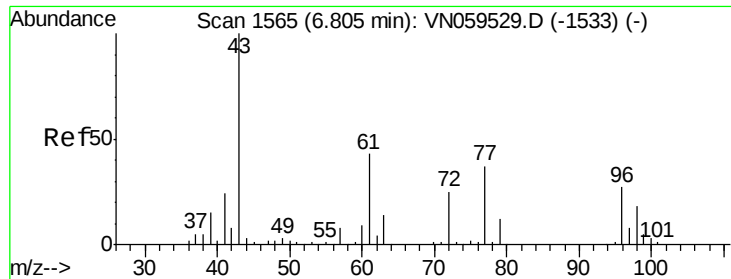
apatel
 12/10/2019 5:10:46 PM



#24
 1,1-Dichloroethane
 Concen: 44.618 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Tgt Ion: 63 Resp: 254883
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 213.736 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 532579

Ion Ratio Lower Upper

43 100

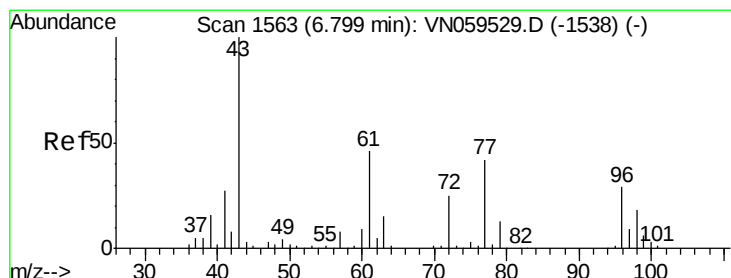
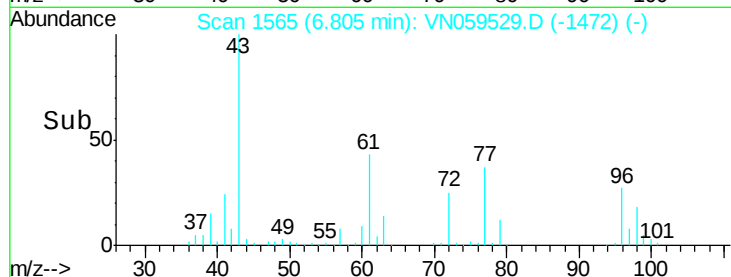
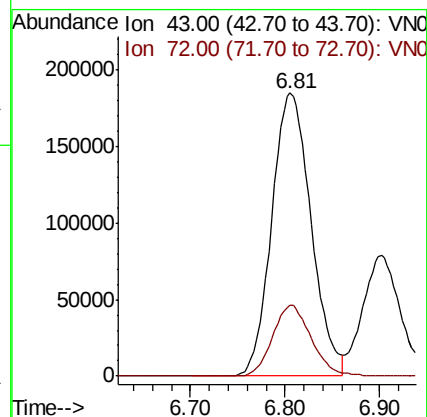
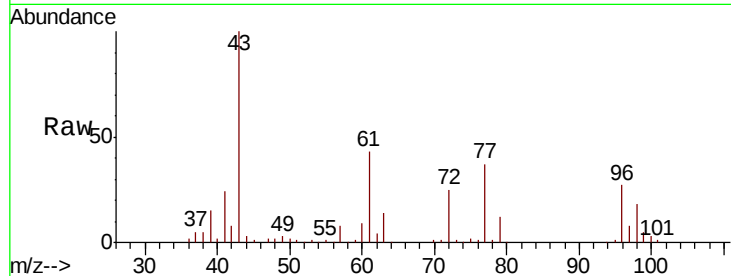
72 24.9 19.9 29.9

Manual Integrations

APPROVED

apatel

12/10/2019 5:10:46 PM



#26

2,2-Dichloropropane

Concen: 46.352 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059529.D

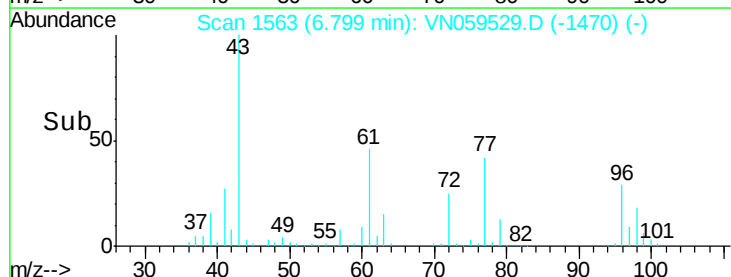
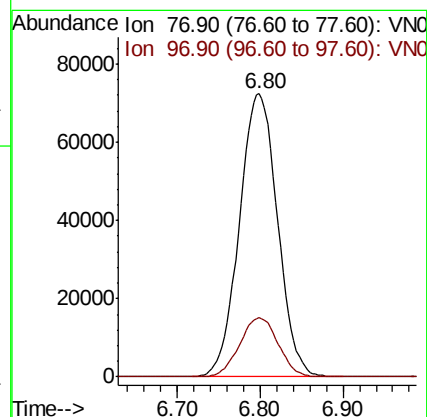
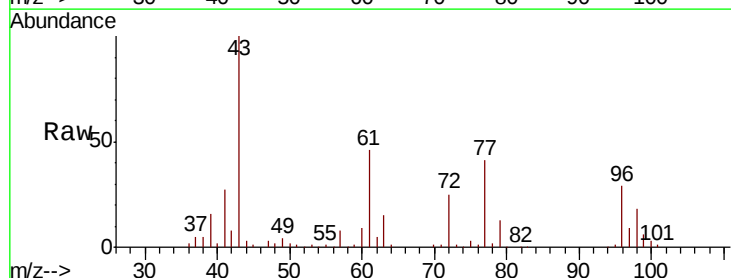
Acq: 9 Dec 2019 15:52

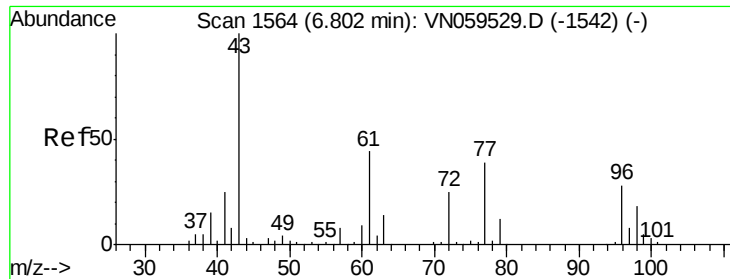
Tgt Ion: 77 Resp: 231211

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 43.535 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

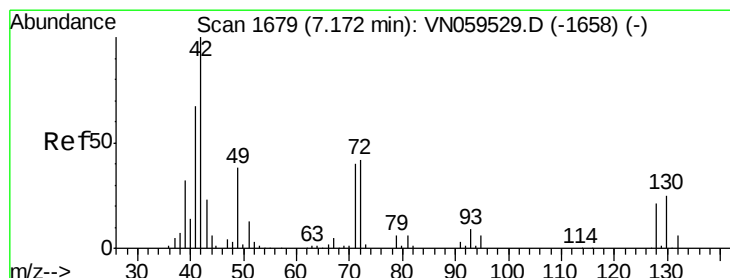
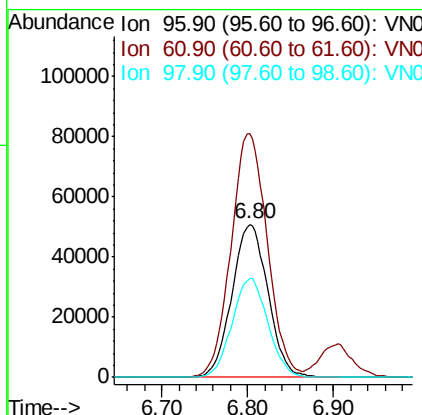
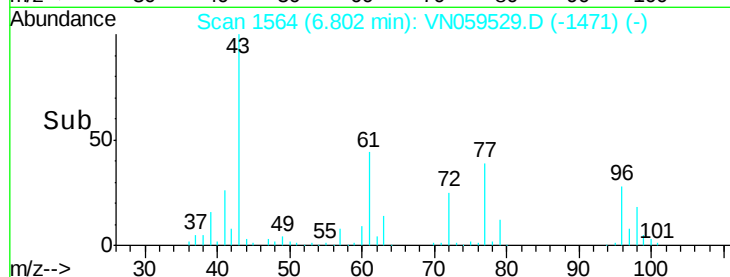
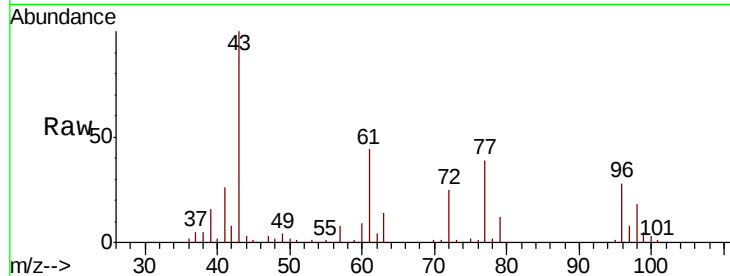
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	148276
Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	320.0
98	64.3	0.0	128.6

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#28

Bromochloromethane

Concen: 53.416 ug/l

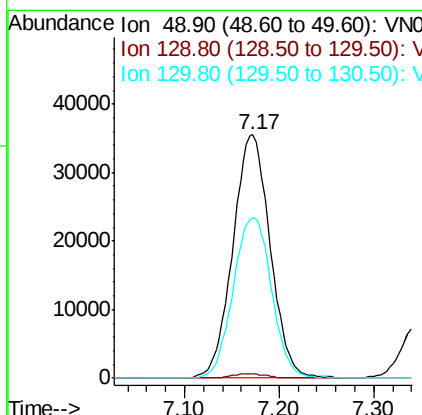
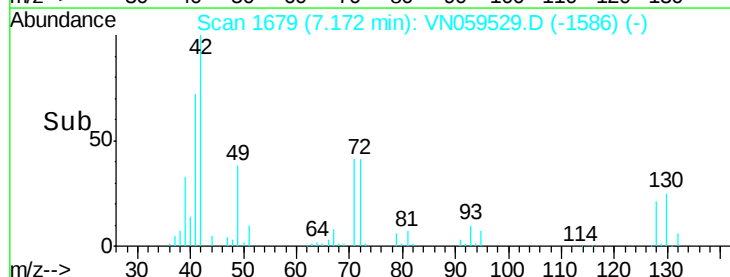
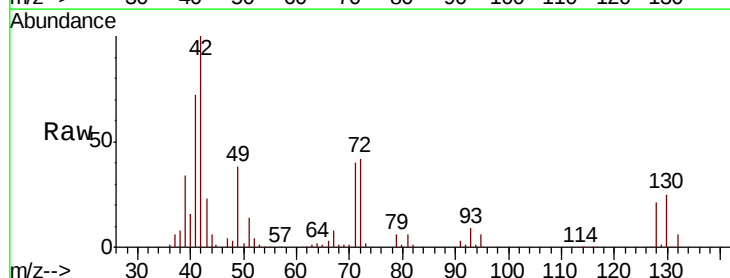
RT: 7.17 min Scan# 1679

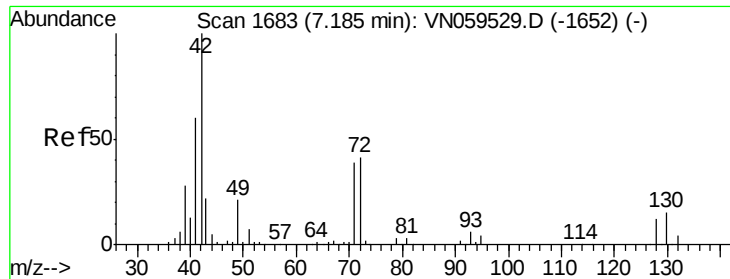
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	49	Resp:	97229
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	67.7	54.2	81.2





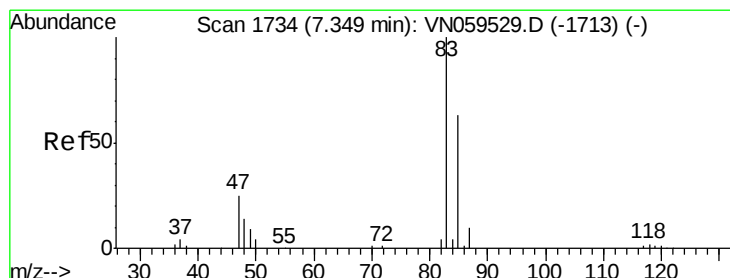
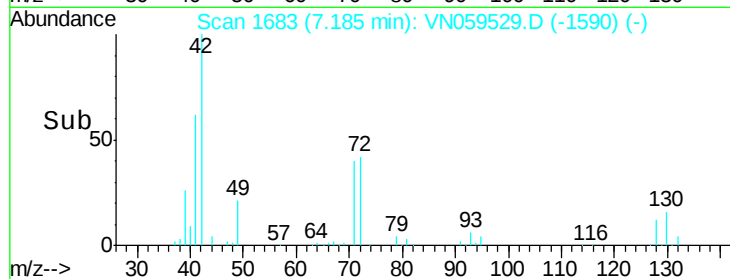
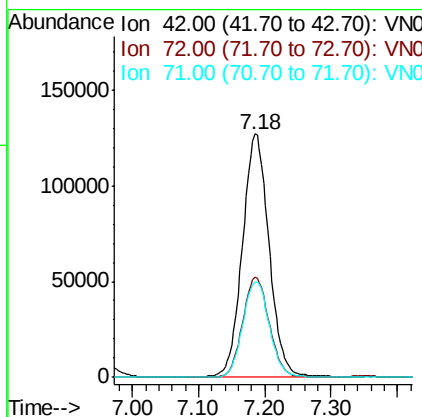
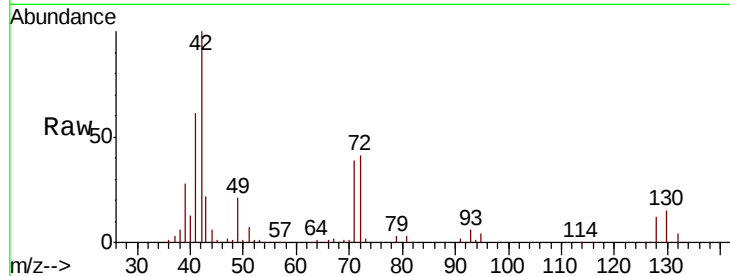
#29
Tetrahydrofuran
Concen: 225.925 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.7	49.1
71	39.3	31.4	47.2

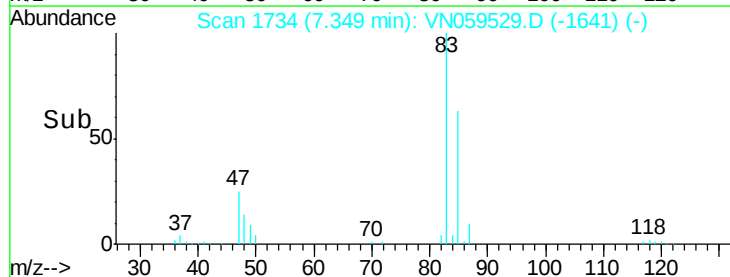
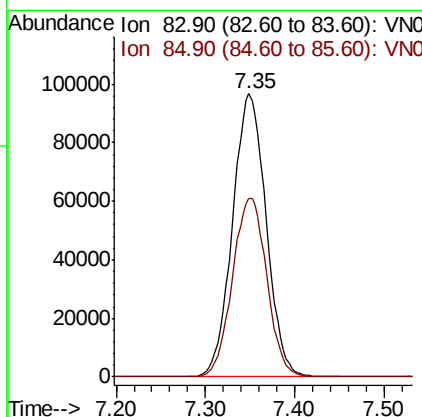
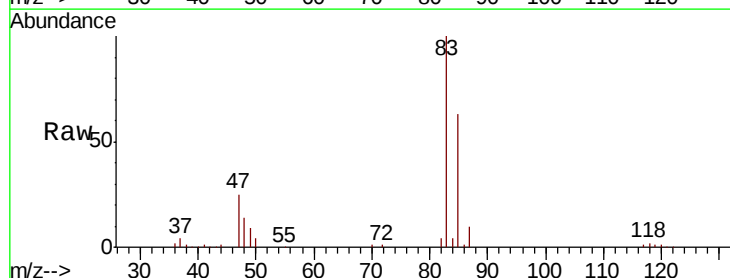
Manual Integrations
APPROVED

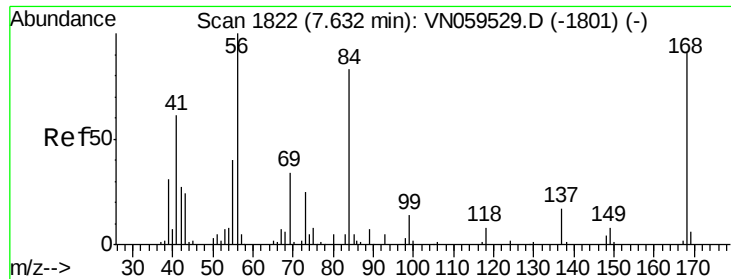
apatel
12/10/2019 5:10:46 PM



#30
Chloroform
Concen: 45.432 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8





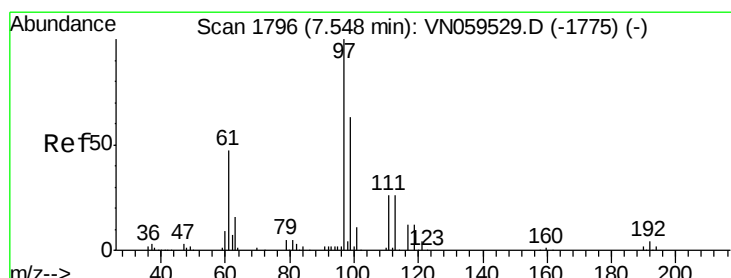
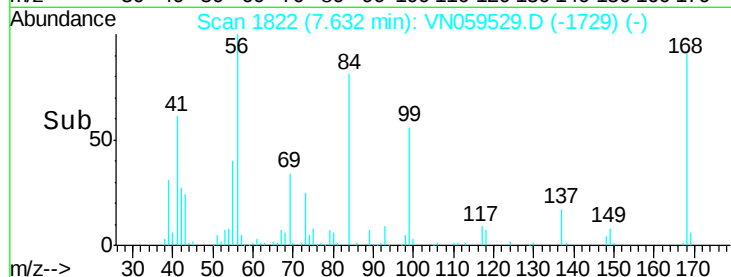
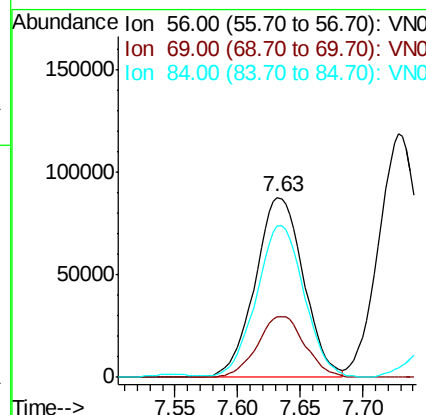
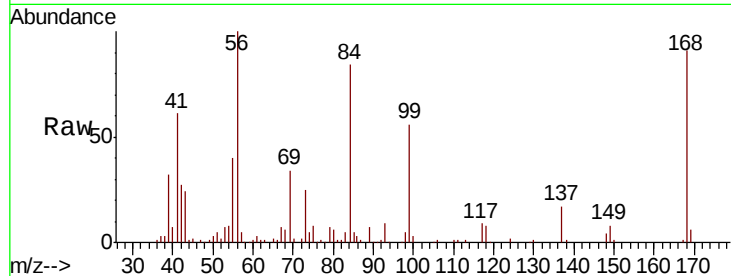
#31
Cyclohexane
Concen: 42.897 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.9	40.3
84	83.1	66.5	99.7

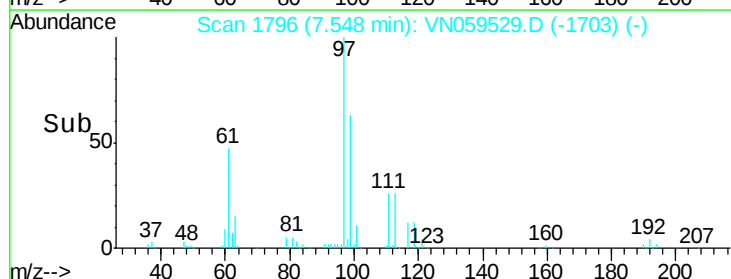
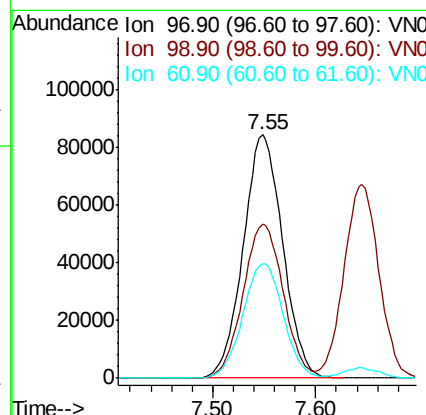
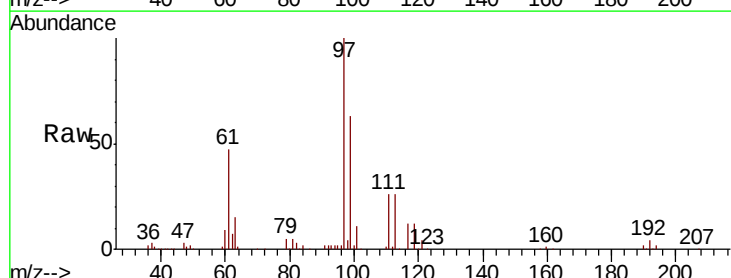
Manual Integrations
APPROVED

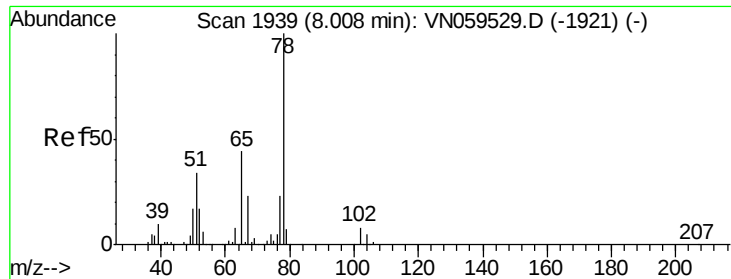
apatel
12/10/2019 5:10:46 PM



#32
1,1,1-Trichloroethane
Concen: 46.400 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	48.1	38.5	57.7





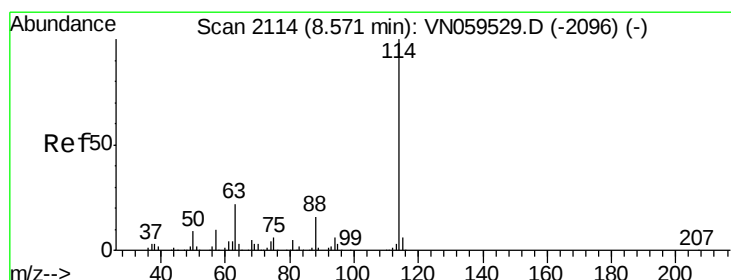
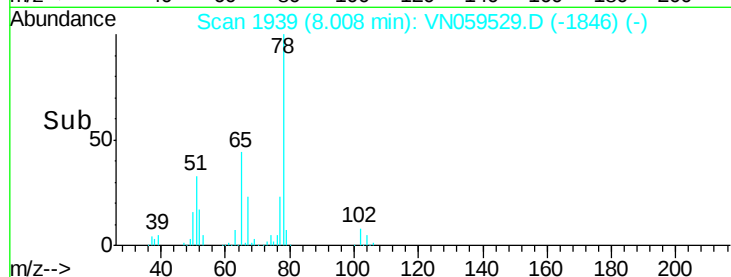
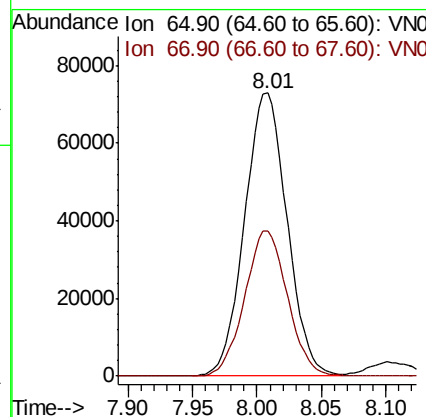
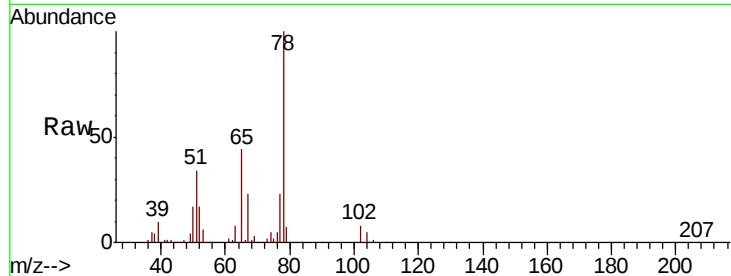
#33
 1,2-Dichloroethane-d4
 Concen: 49.952 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167421		
67	51.8	0.0	103.6	

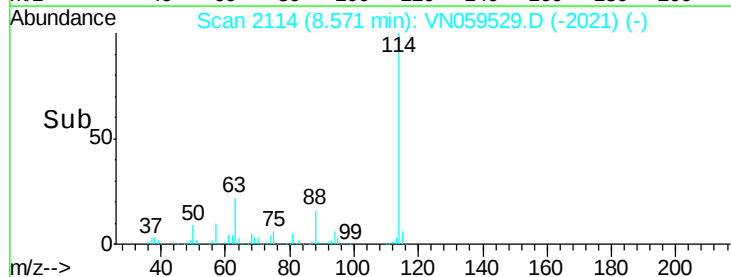
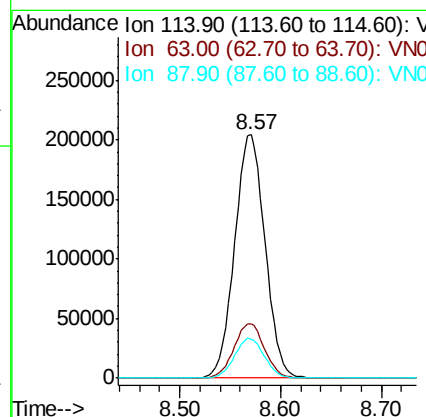
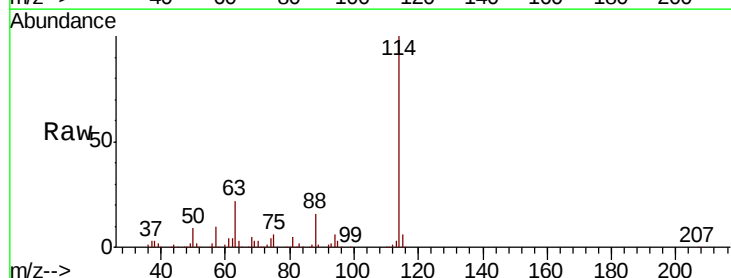
Manual Integrations
 APPROVED

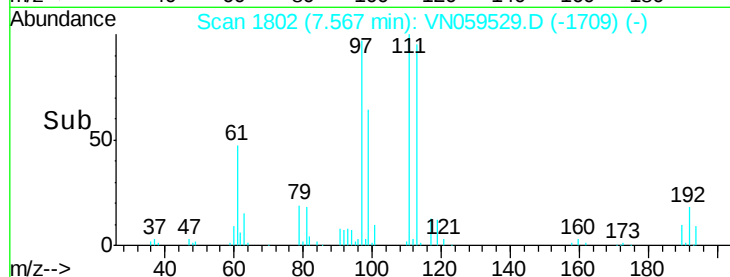
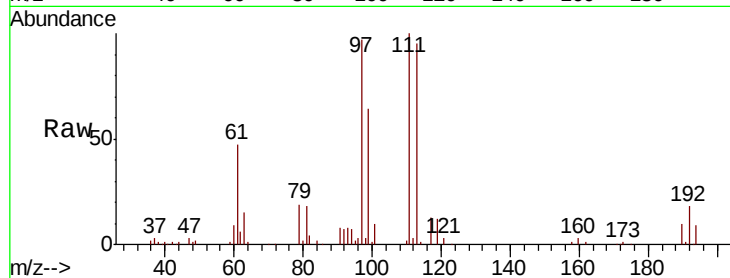
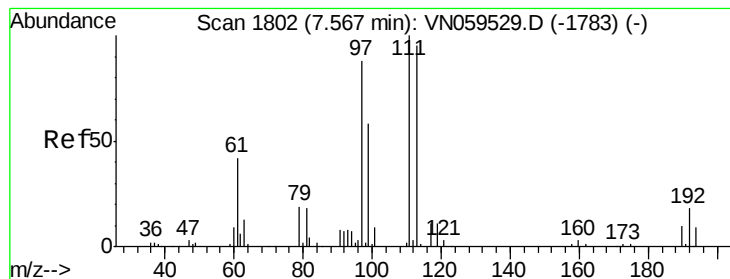
apatel
 12/10/2019 5:10:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428099		
63	22.5	0.0	45.0	
88	16.1	0.0	32.2	





#35

Dibromofluoromethane

Concen: 45.928 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tot Ion:	113	Resp:	119531
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.2	123.4
192	18.5	14.8	22.2

Instrument :

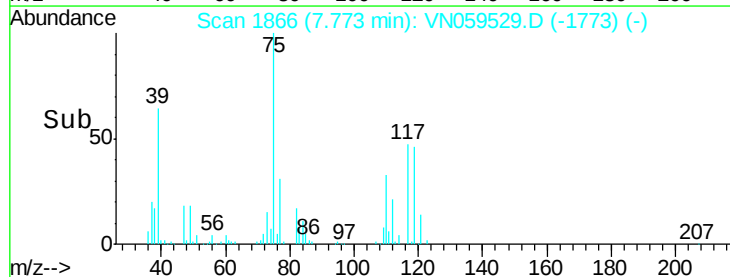
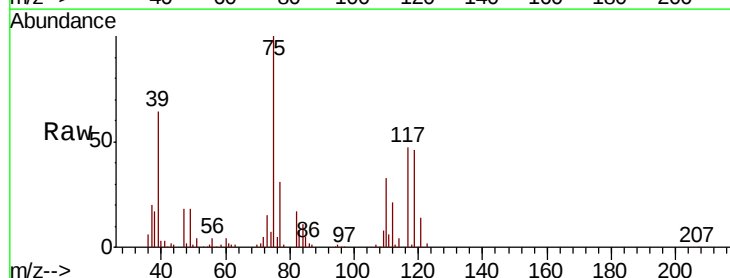
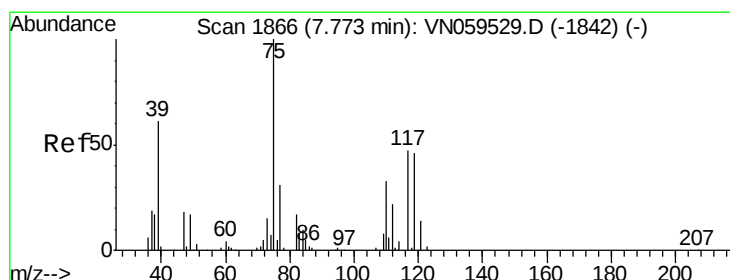
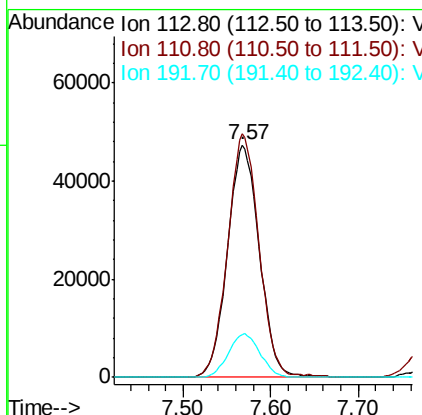
MSVOA_N

ClientSampleId :

VSTDICCC050

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#36

1,1-Dichloropropene

Concen: 44.990 ug/l

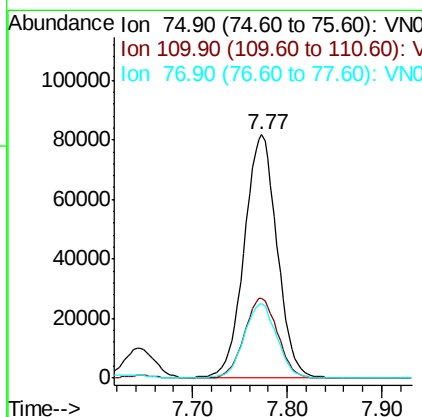
RT: 7.77 min Scan# 1866

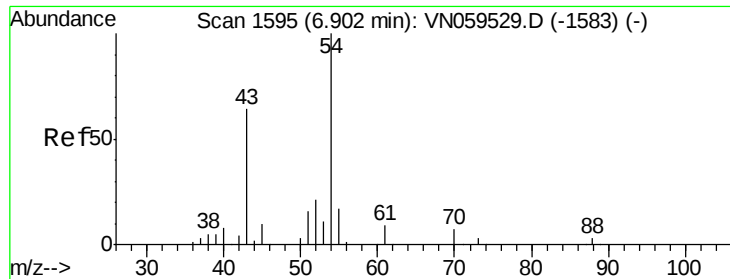
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	75	Resp:	196292
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.7	50.0
77	30.8	24.6	37.0





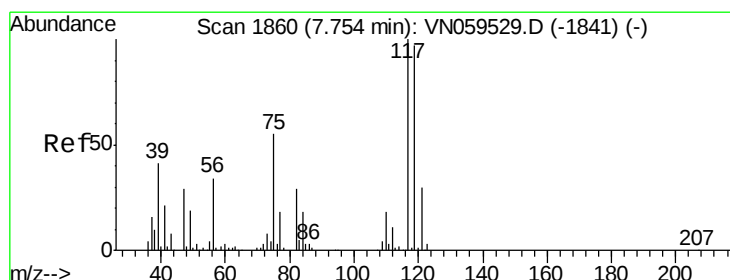
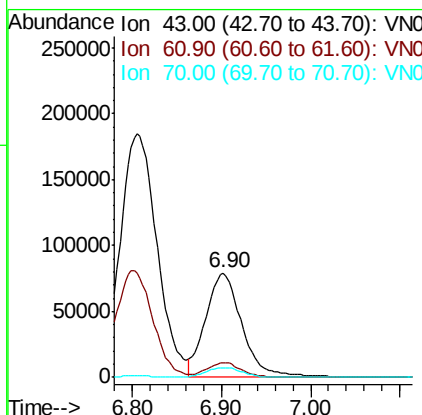
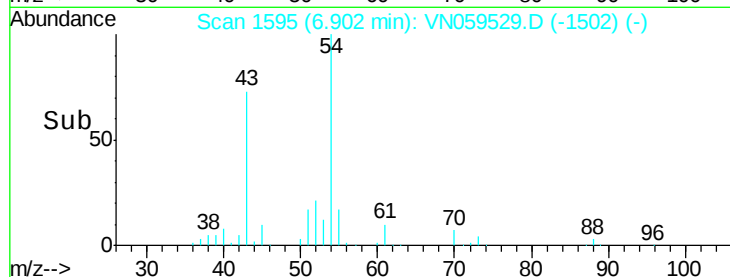
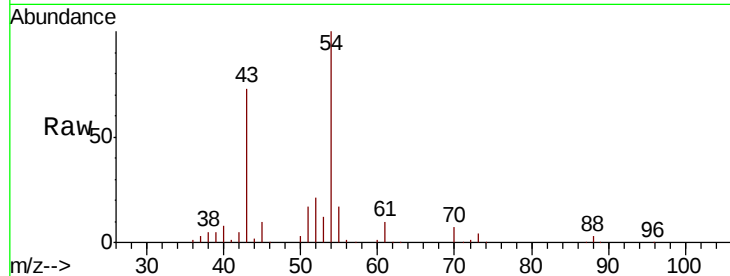
#37
Ethyl Acetate
Concen: 45.250 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	9.6	7.7	11.5

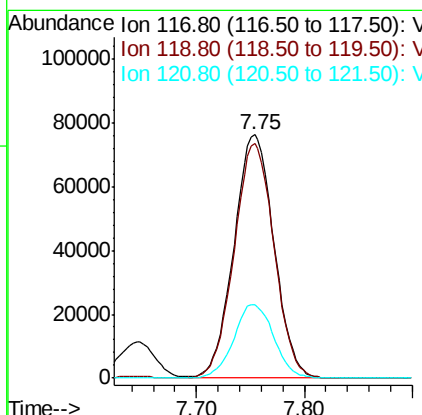
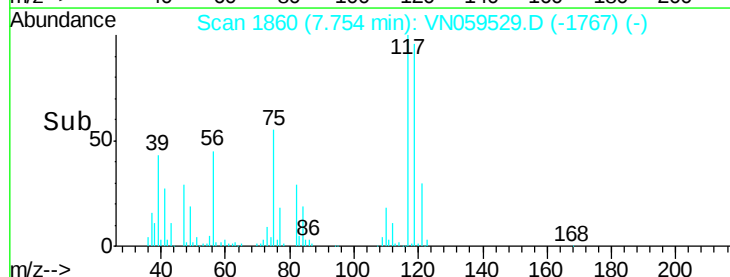
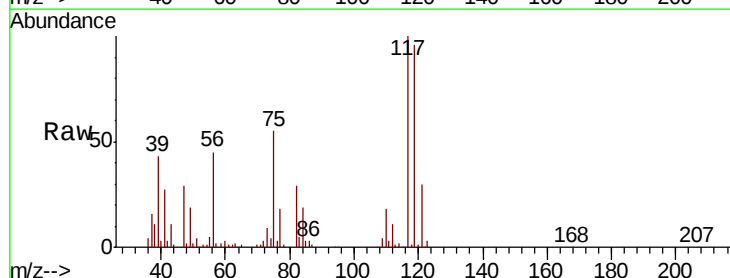
Manual Integrations
APPROVED

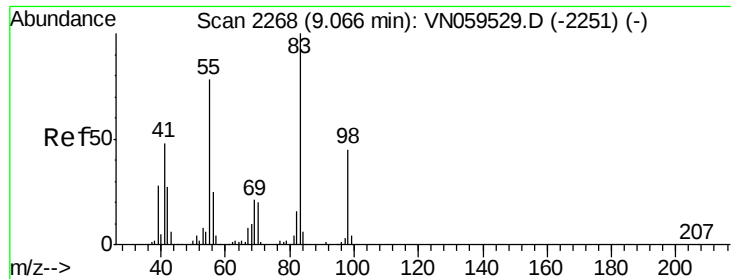
apatel
12/10/2019 5:10:46 PM



#38
Carbon Tetrachloride
Concen: 46.869 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.1	24.1	36.1





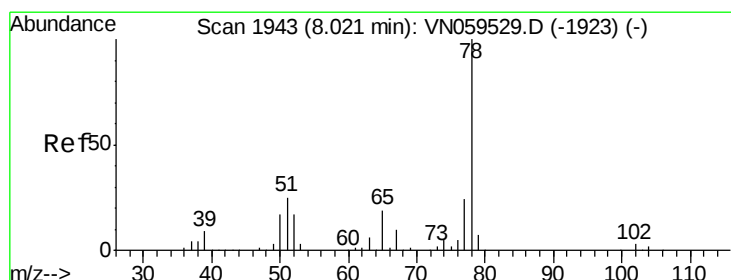
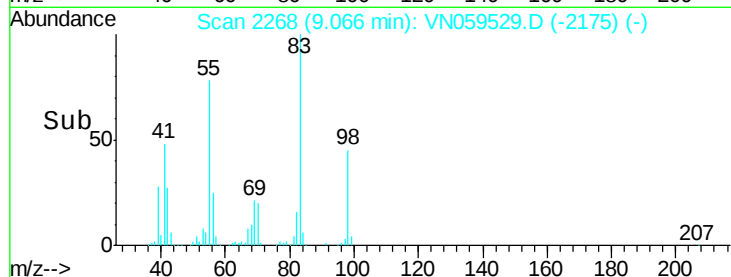
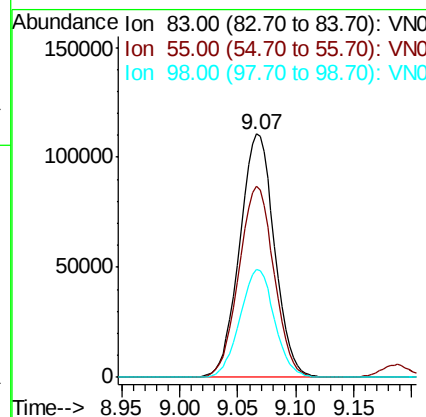
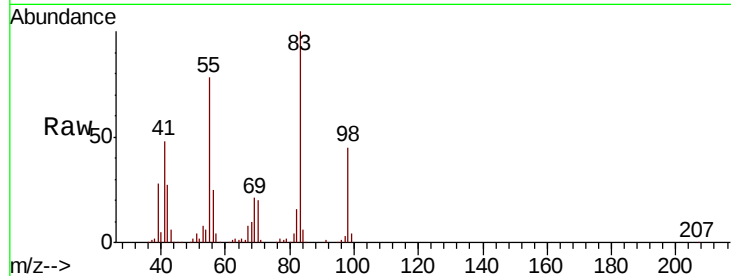
#39
Methvlcvclohexane
Concen: 44.239 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	62.7	94.1
98	44.6	35.7	53.5

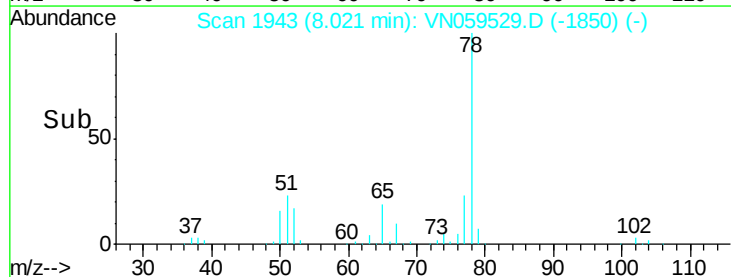
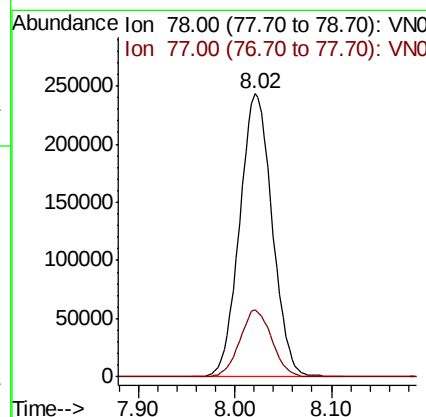
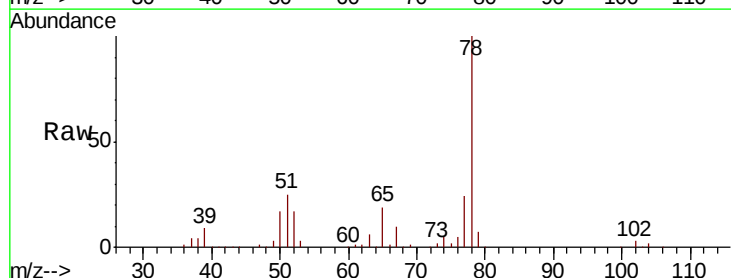
Manual Integrations
APPROVED

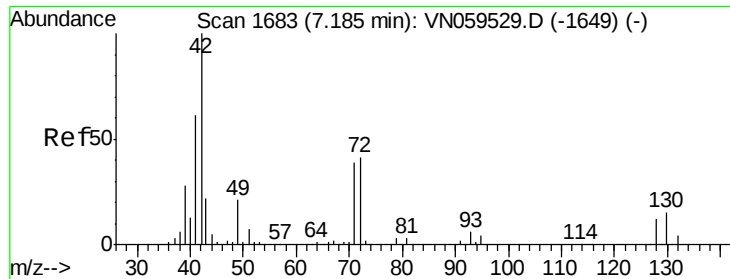
apatel
12/10/2019 5:10:46 PM



#40
Benzene
Concen: 44.770 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





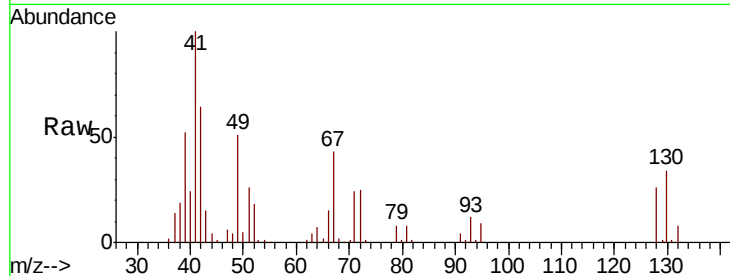
#41
Methacrylonitrile
Concen: 51.928 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

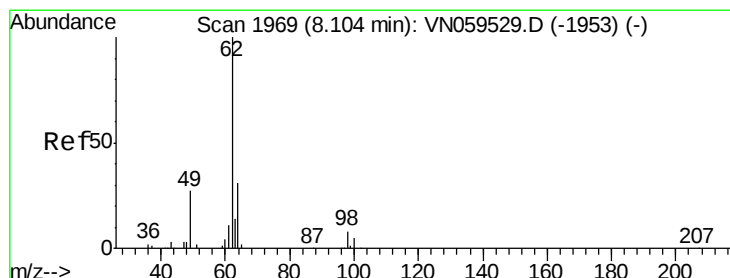
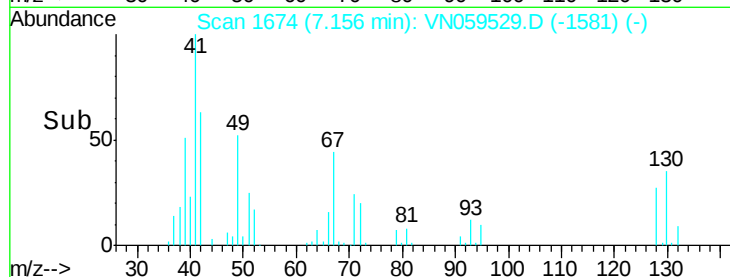
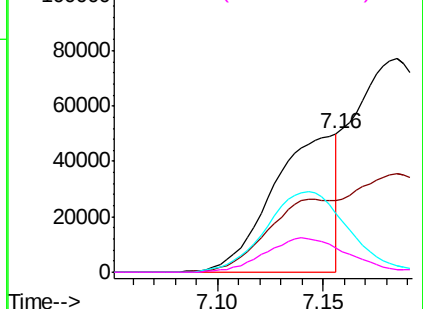
Tot Ion	41	Resp	104407
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM

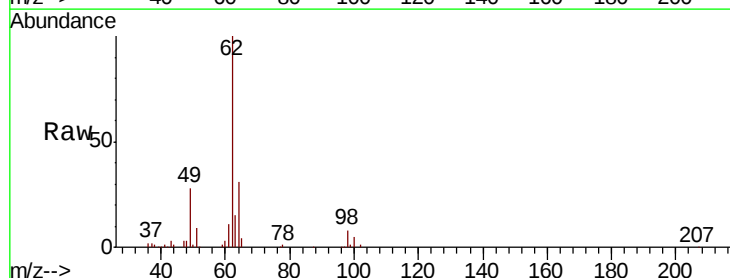


Abundance Ion 41.00 (40.70 to 41.70): VN0
120000
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

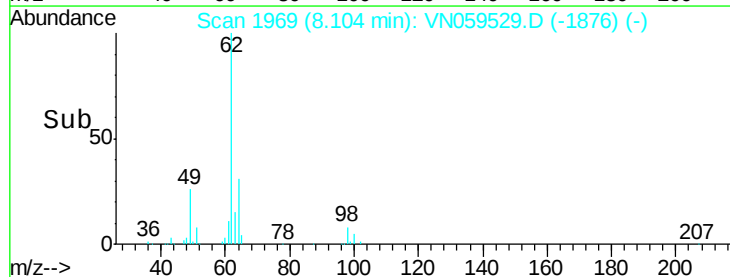
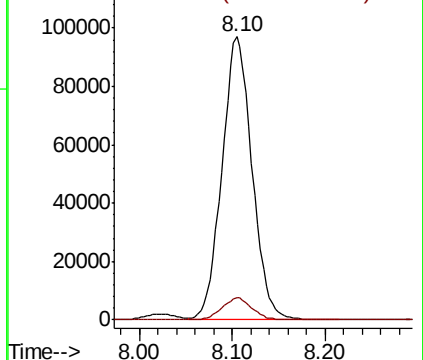


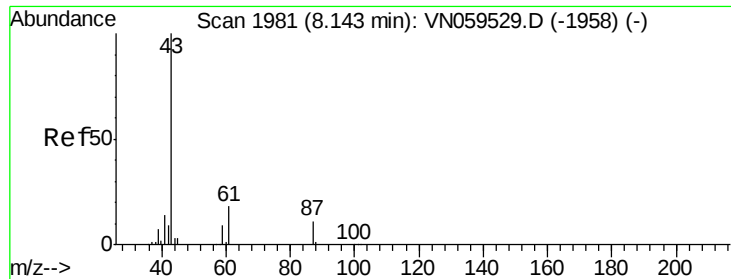
#42
1,2-Dichloroethane
Concen: 49.374 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	62	Resp	218122
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.573 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

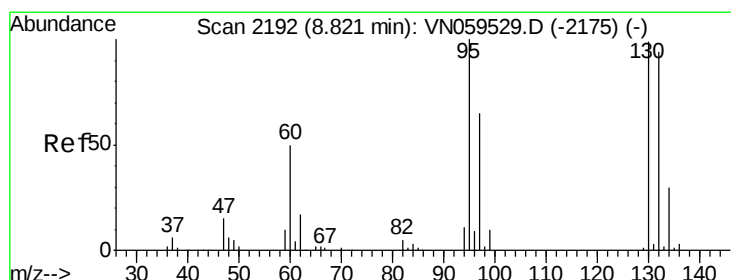
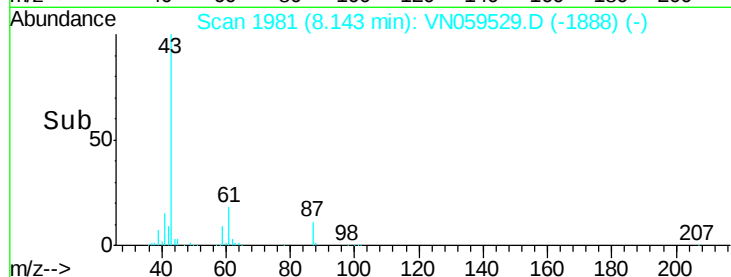
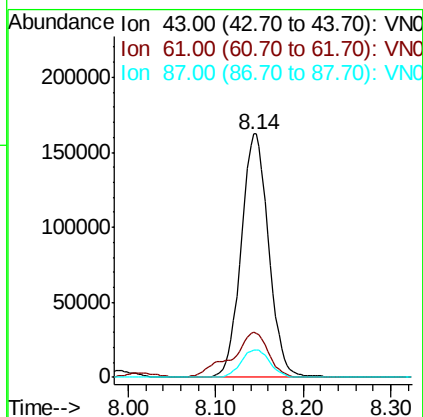
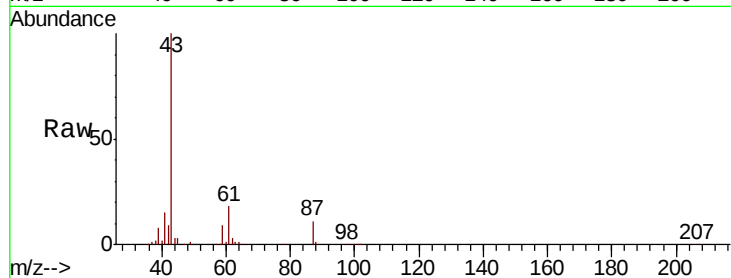
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	354322
Ion	Ratio	Lower	Upper
43	100		
61	24.7	19.8	29.6
87	11.8	9.4	14.2

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#44

Trichloroethene

Concen: 43.040 ug/l

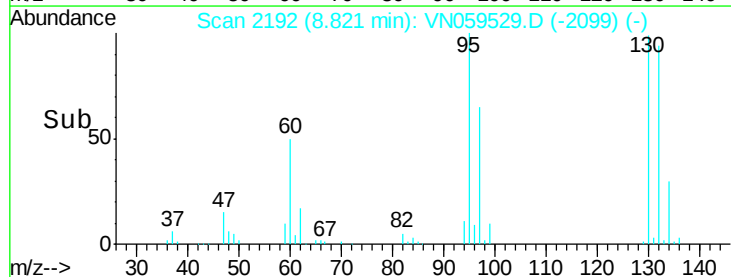
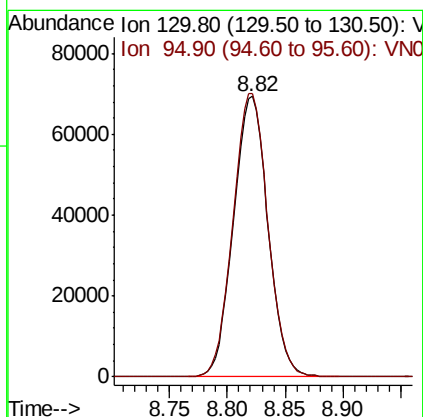
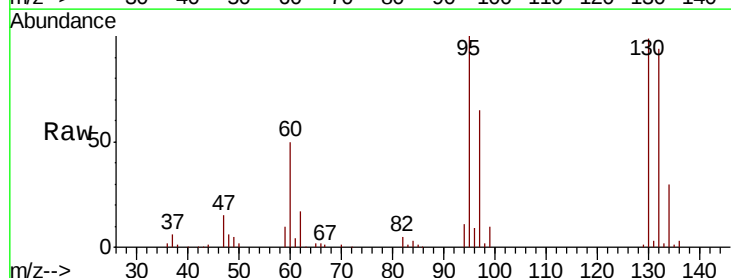
RT: 8.82 min Scan# 2192

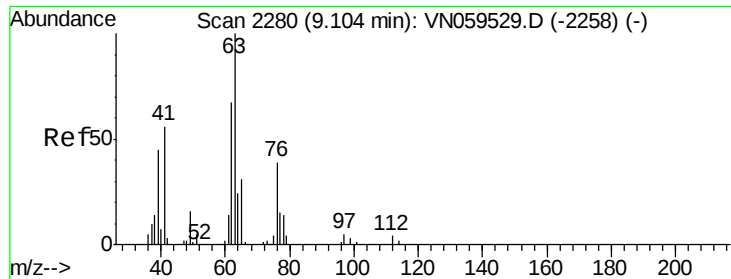
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	130	Resp:	142799
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0





#45

1,2-Dichloropropane

Concen: 44.985 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 153150

Ion Ratio Lower Upper

63 100

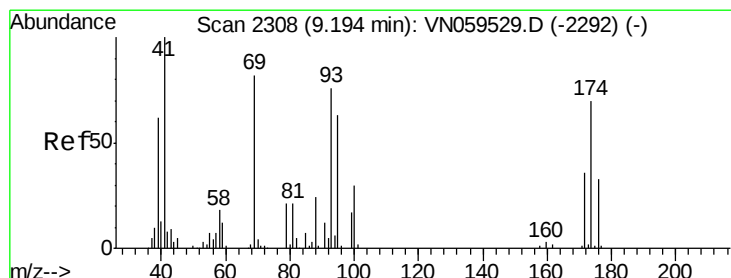
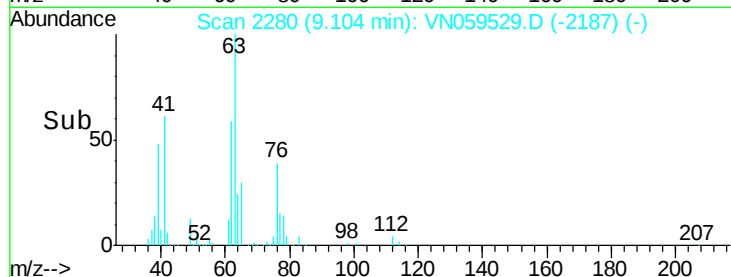
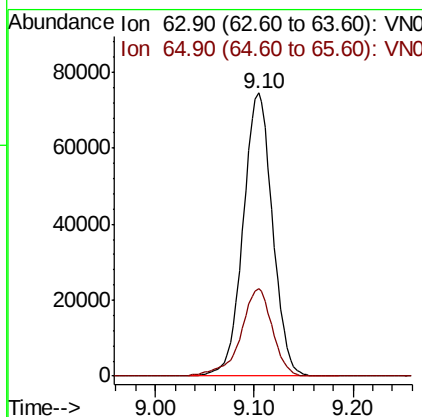
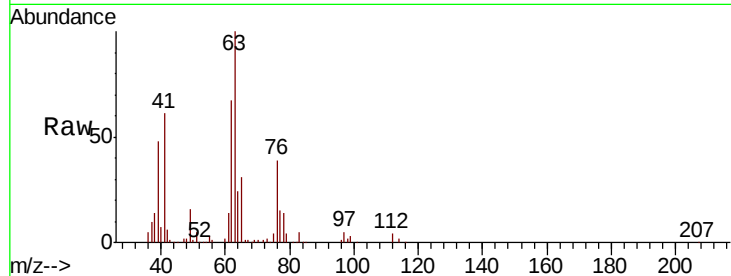
65 31.0 24.8 37.2

Manual Integrations

APPROVED

apatel

12/10/2019 5:10:46 PM



#46

Dibromomethane

Concen: 46.028 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

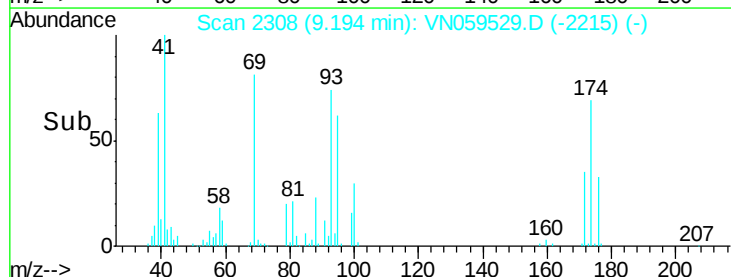
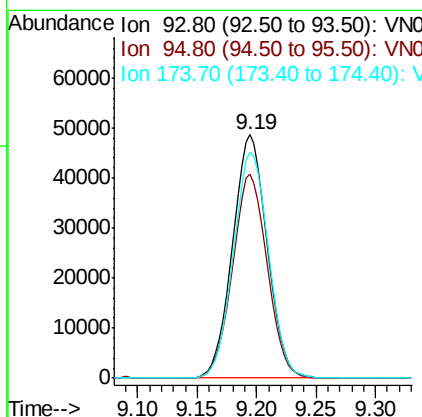
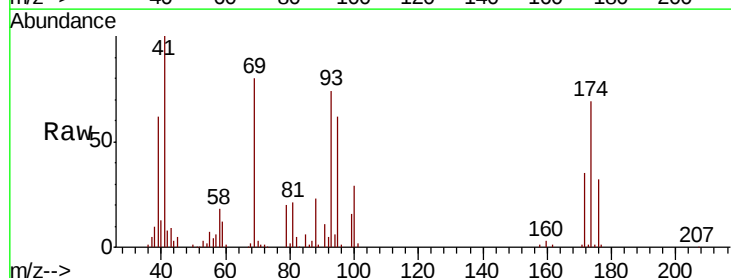
Tgt Ion: 93 Resp: 98086

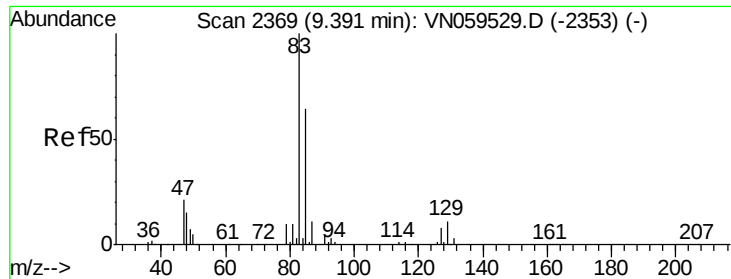
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 94.5 75.6 113.4





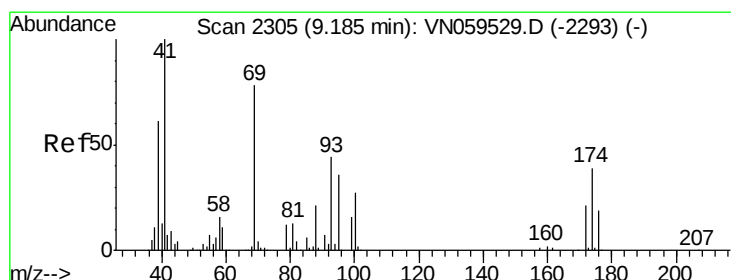
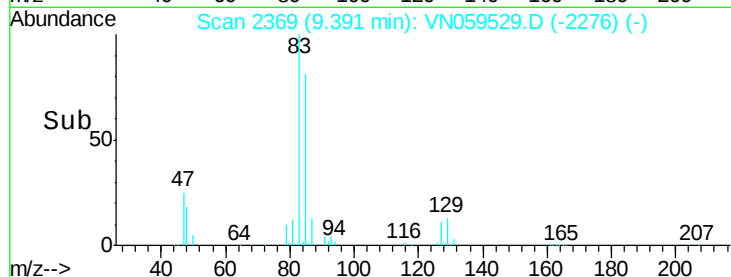
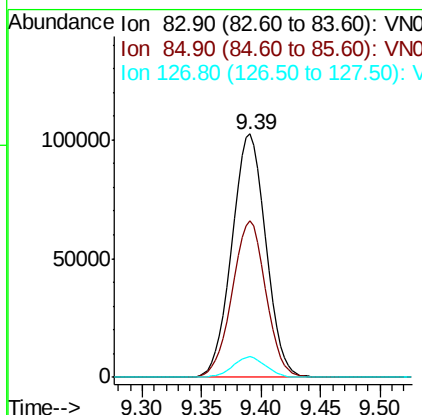
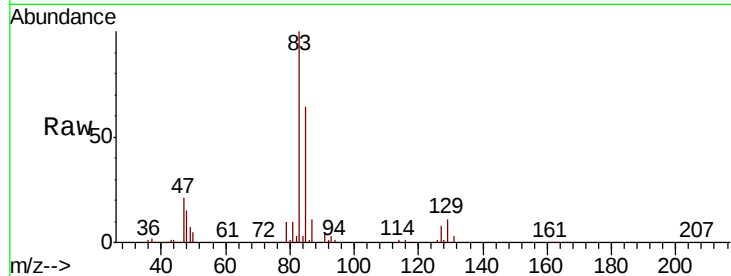
#47
Bromodichloromethane
Concen: 47.314 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	202887		
85	64.2		51.4	77.0
127	8.4		6.7	10.1

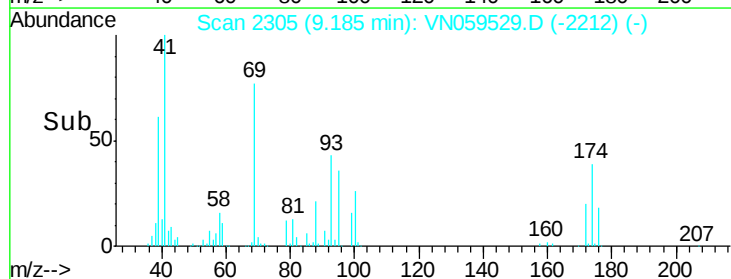
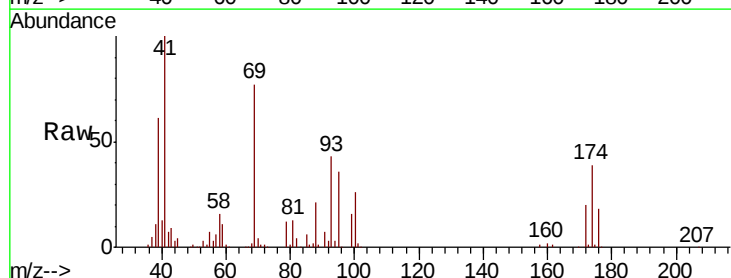
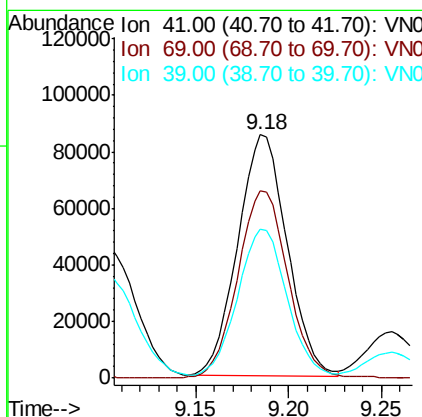
Manual Integrations
APPROVED

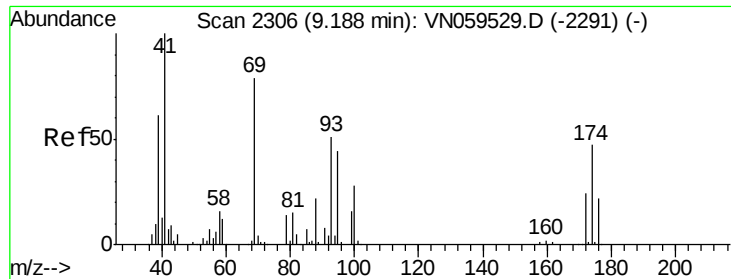
apatel
12/10/2019 5:10:46 PM



#48
Methyl methacrylate
Concen: 47.815 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	157080		
69	80.0		64.0	96.0
39	62.5		50.0	75.0





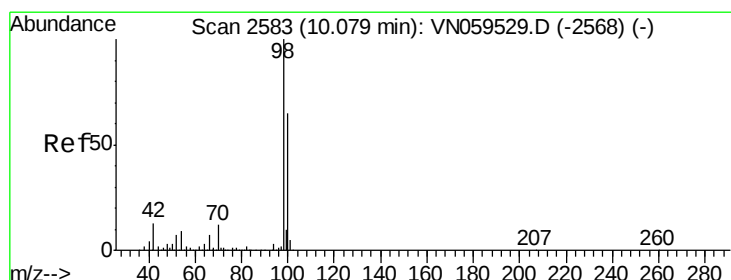
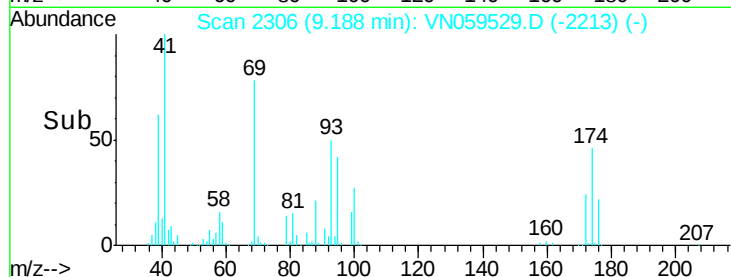
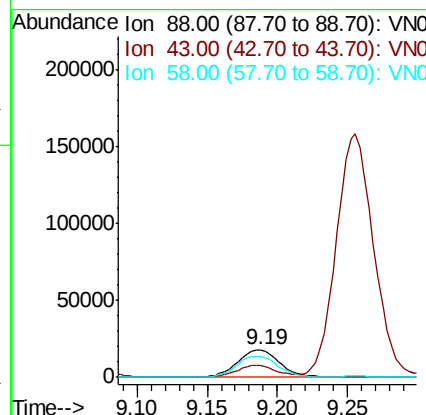
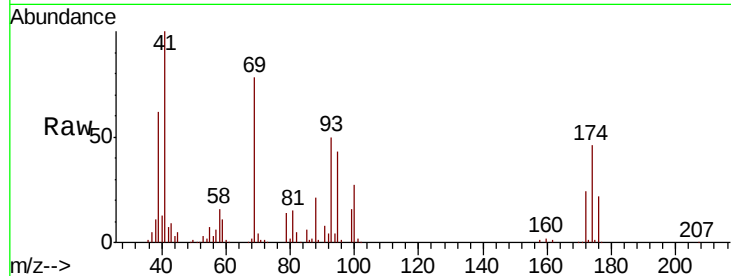
#49
1,4-Dioxane
Concen: 788.117 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	38137
Ion	Ratio	Lower	Upper
88	100		
43	39.2	31.4	47.0
58	76.3	61.0	91.6

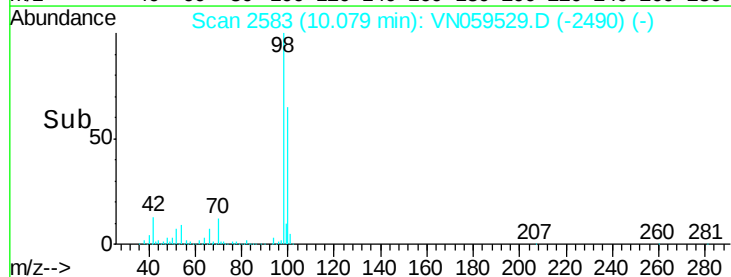
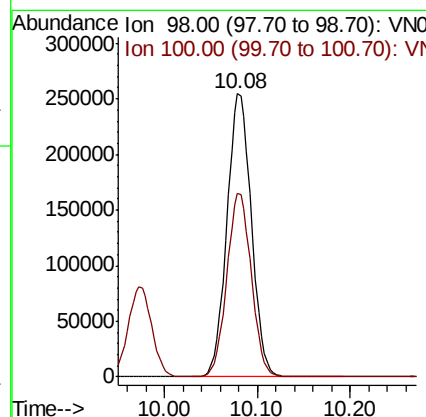
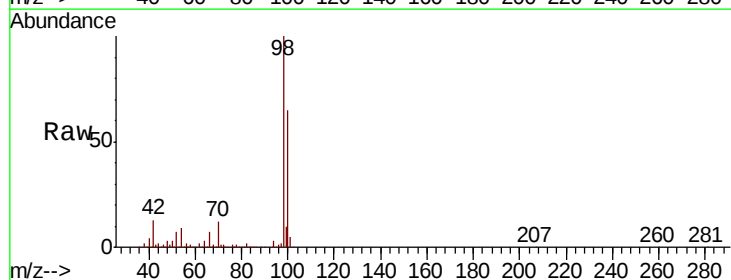
Manual Integrations
APPROVED

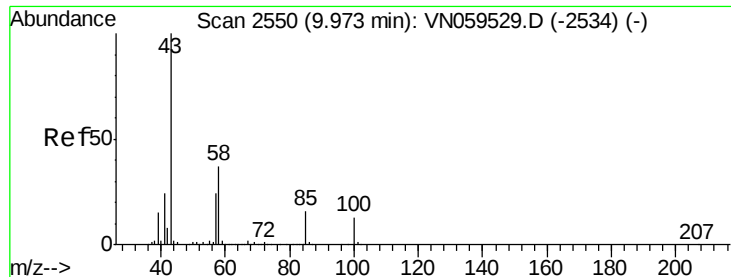
apatel
12/10/2019 5:10:46 PM



#50
Toluene-d8
Concen: 45.596 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	98	Resp	464574
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 251.066 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1084856

Ion Ratio Lower Upper

43 100

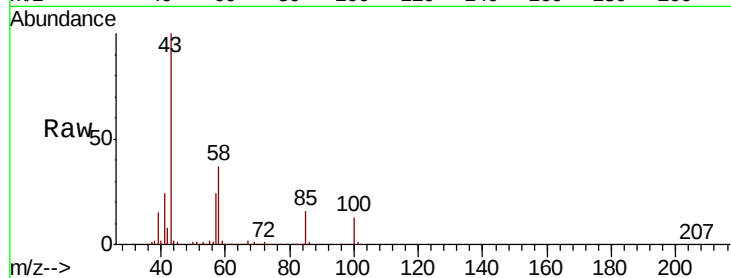
58 37.6 30.1 45.1

Manual Integrations

APPROVED

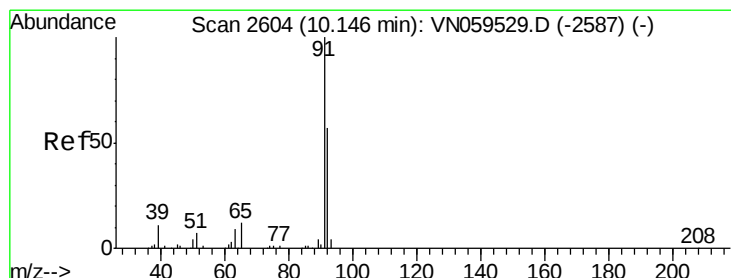
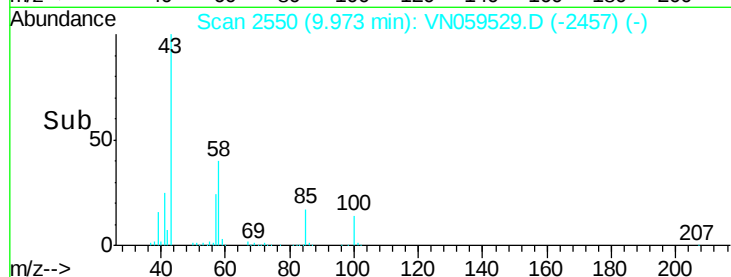
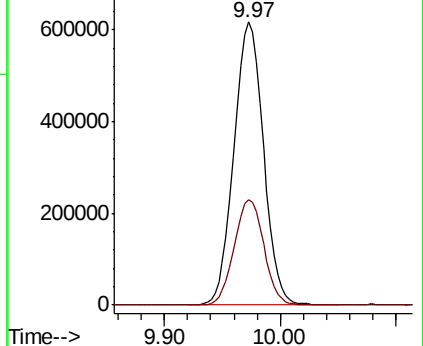
apatel

12/10/2019 5:10:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 44.800 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059529.D

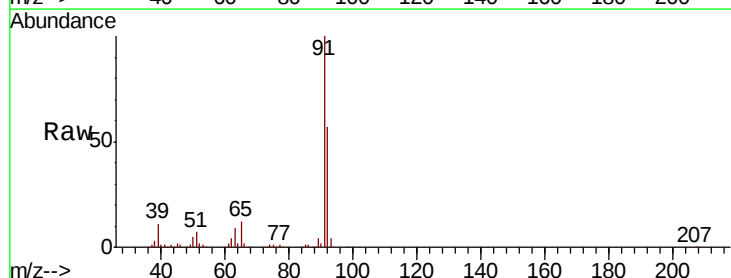
Acq: 9 Dec 2019 15:52

Tgt Ion: 92 Resp: 343837

Ion Ratio Lower Upper

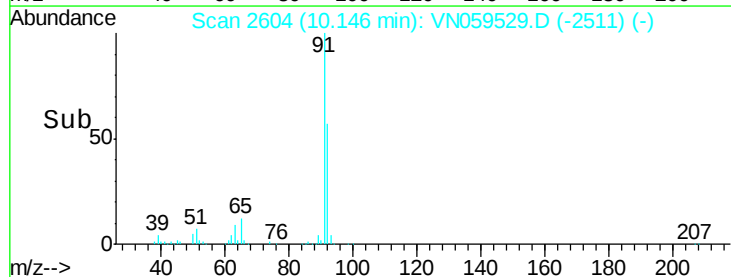
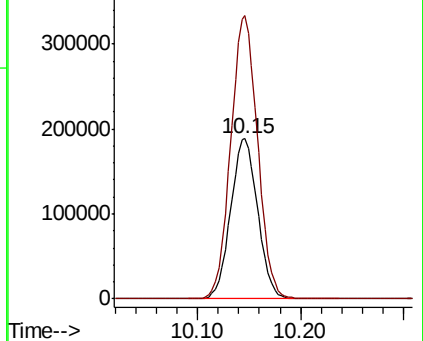
92 100

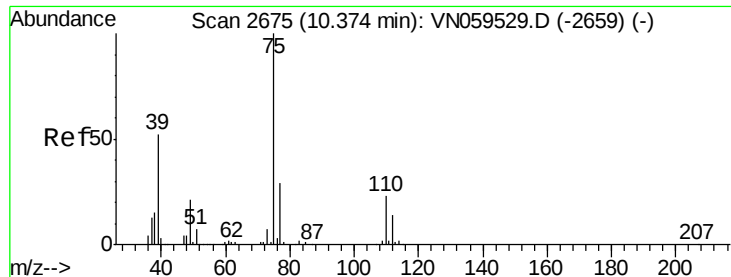
91 175.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





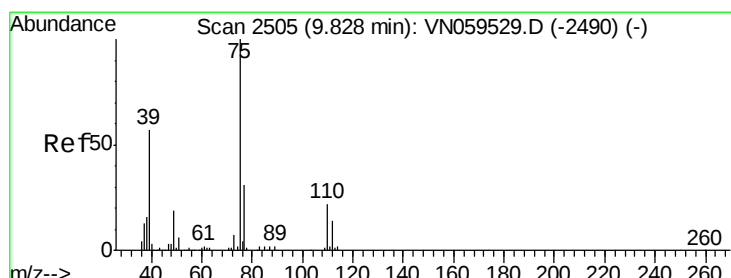
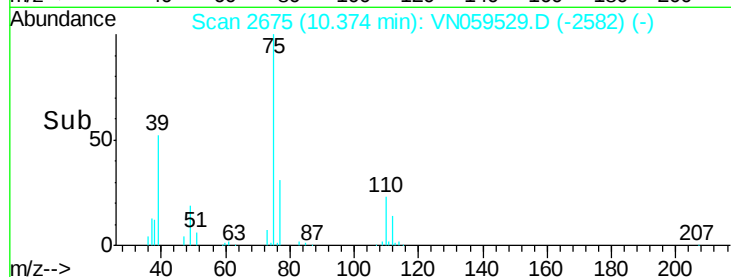
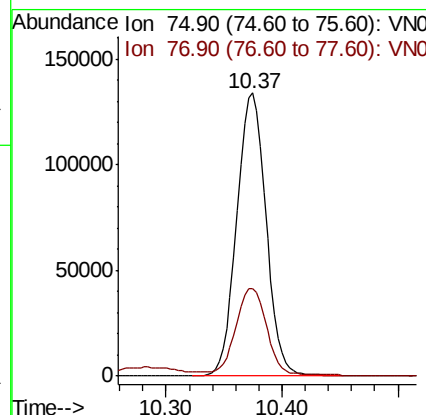
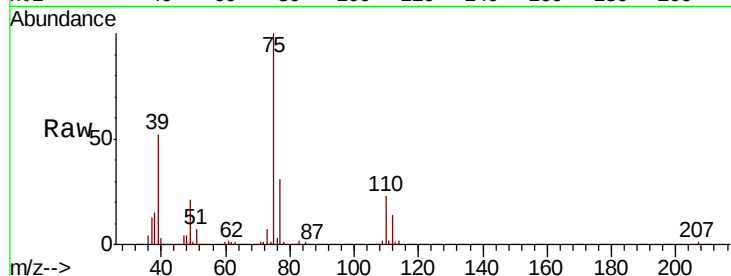
#53
t-1,3-Dichloropropene
Concen: 46.681 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	75	Resp	234742
Ion Ratio	Lower	Upper	
75	100		
77	30.6	24.5	36.7

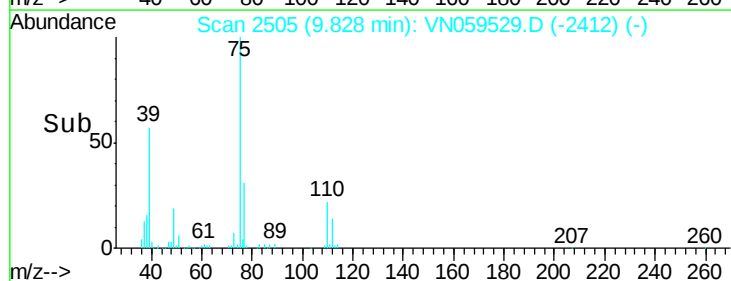
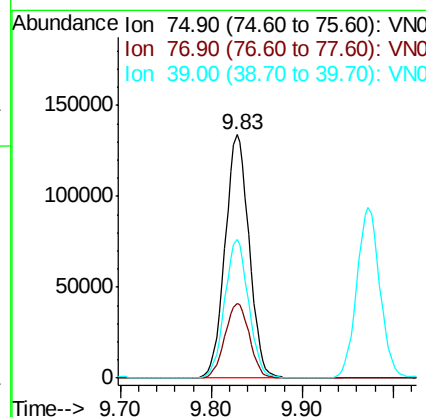
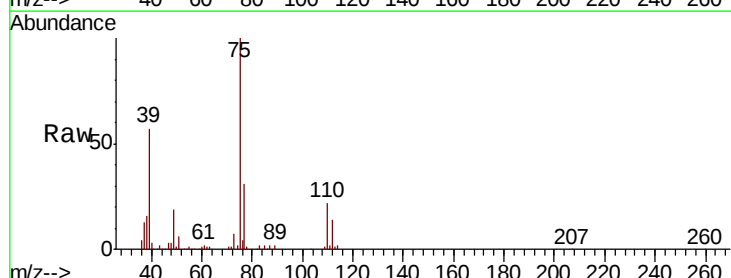
Manual Integrations
APPROVED

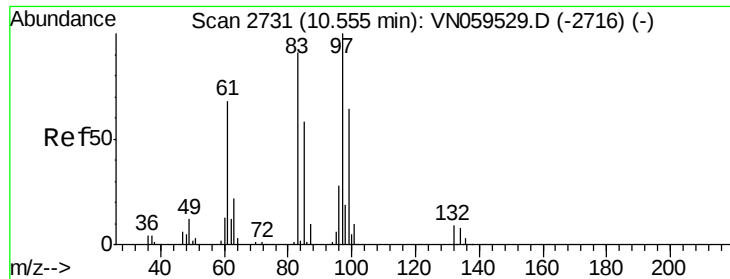
apatel
12/10/2019 5:10:46 PM



#54
cis-1,3-Dichloropropene
Concen: 46.289 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	75	Resp	245576
Ion Ratio	Lower	Upper	
75	100		
77	30.7	24.6	36.8
39	57.0	45.6	68.4





#55

1,1,2-Trichloroethane

Concen: 45.062 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

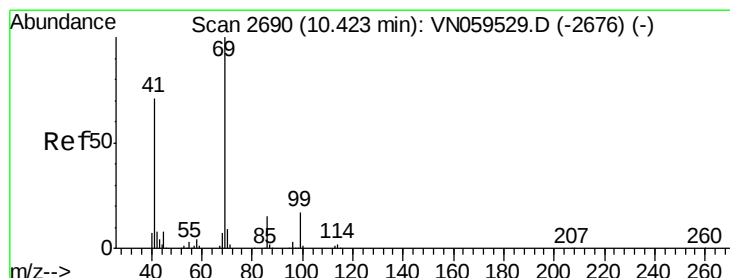
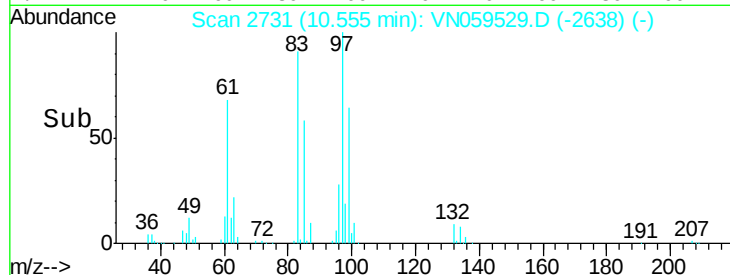
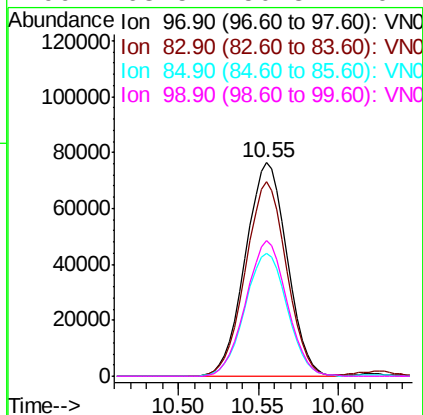
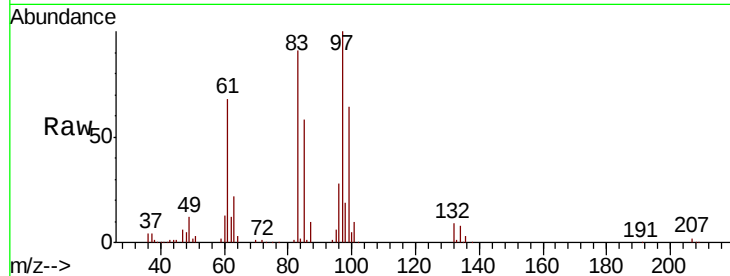
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	136559
Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.9	109.3
85	57.6	46.1	69.1
99	63.5	50.8	76.2

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#56

Ethyl methacrylate

Concen: 47.823 ug/l

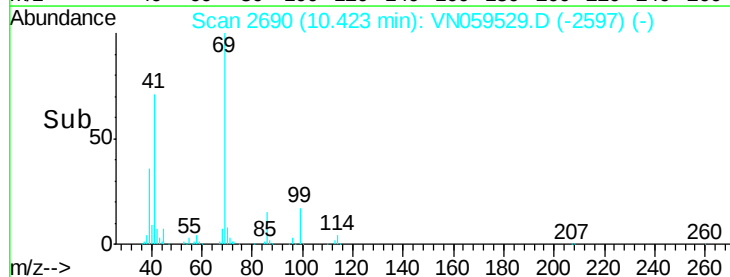
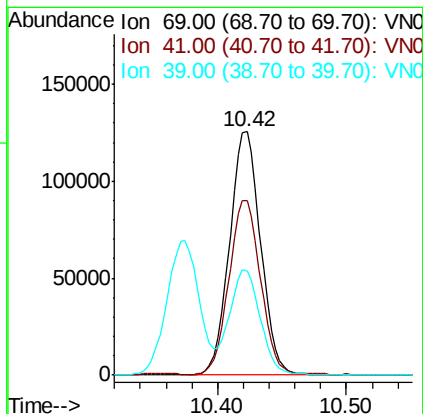
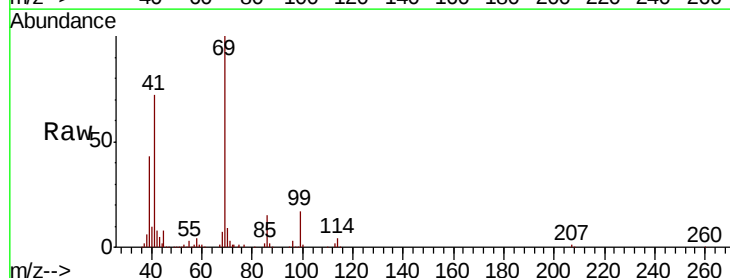
RT: 10.42 min Scan# 2690

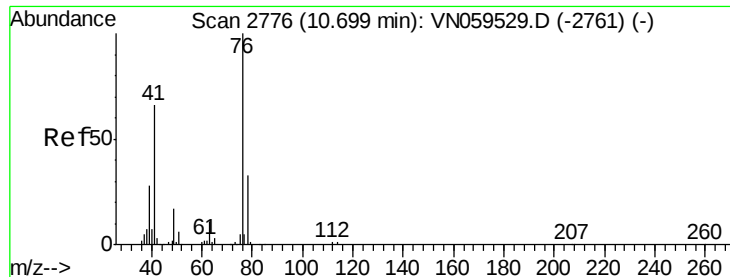
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	69	Resp:	209964
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.7	86.5
39	42.7	34.2	51.2





#57

1,3-Dichloropropane

Concen: 45.516 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 239498

Ion Ratio Lower Upper

76 100

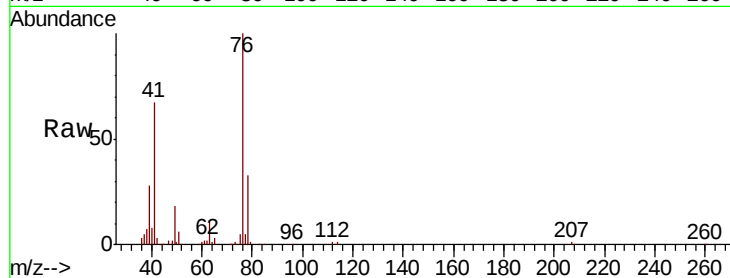
78 32.6 26.1 39.1

Manual Integrations

APPROVED

apatel

12/10/2019 5:10:46 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

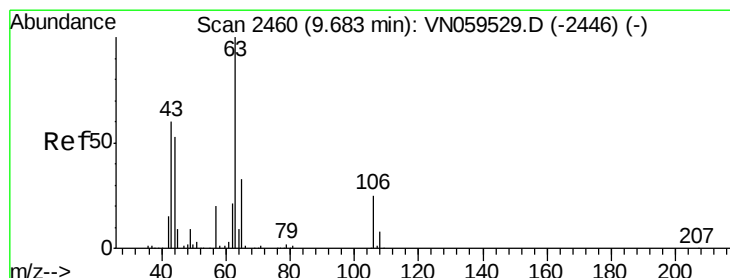
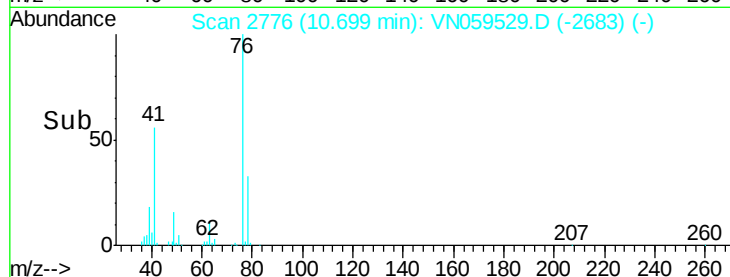
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 120.865 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059529.D

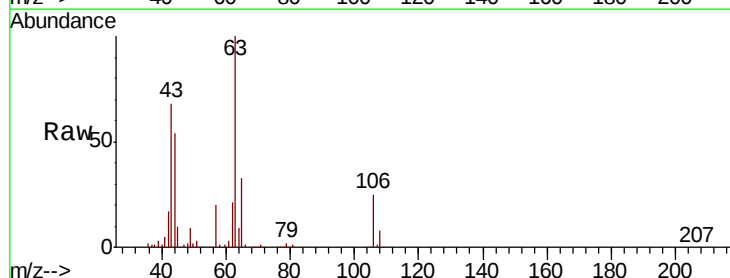
Acq: 9 Dec 2019 15:52

Tgt Ion: 63 Resp: 155041

Ion Ratio Lower Upper

63 100

106 24.9 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

100000

80000

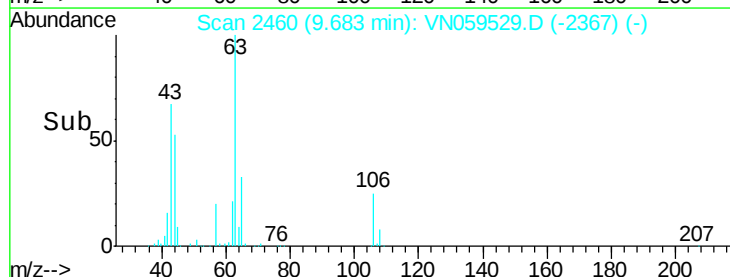
60000

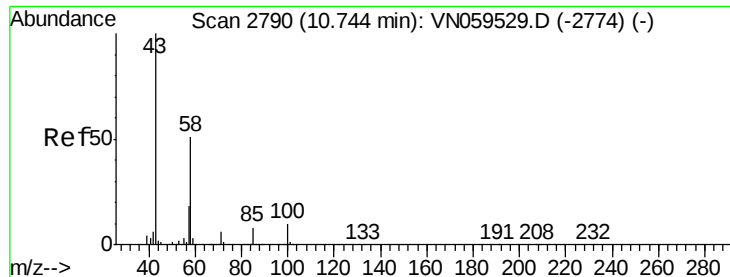
40000

20000

0

Time-->





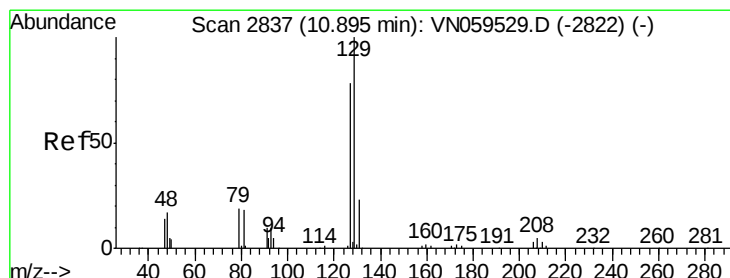
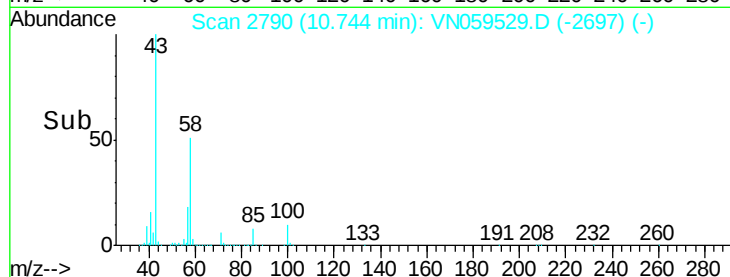
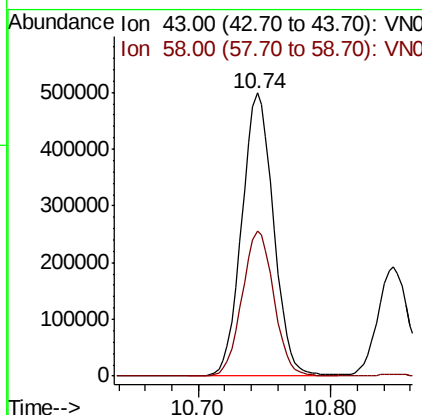
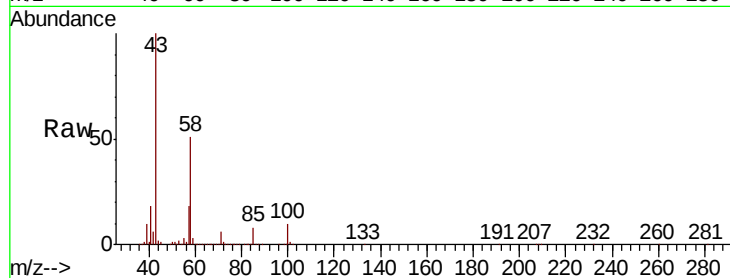
#59
2-Hexanone
Concen: 253.890 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 825637
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6

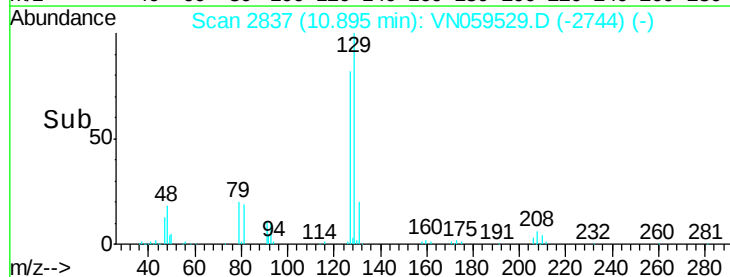
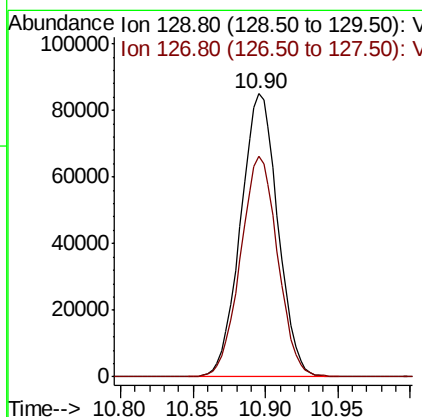
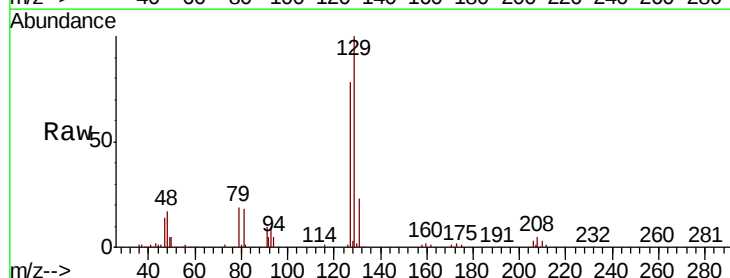
Manual Integrations
APPROVED

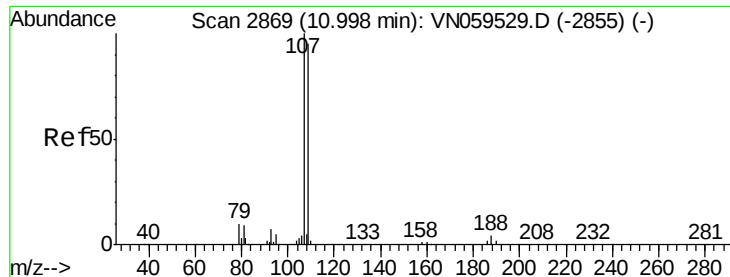
apatel
12/10/2019 5:10:46 PM



#60
Dibromochloromethane
Concen: 46.652 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion: 129 Resp: 151914
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





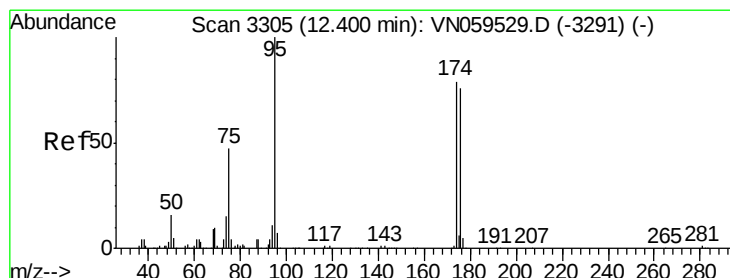
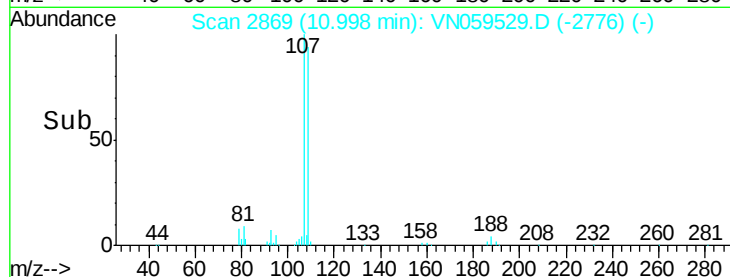
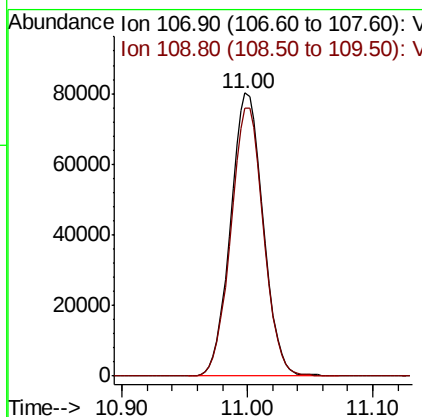
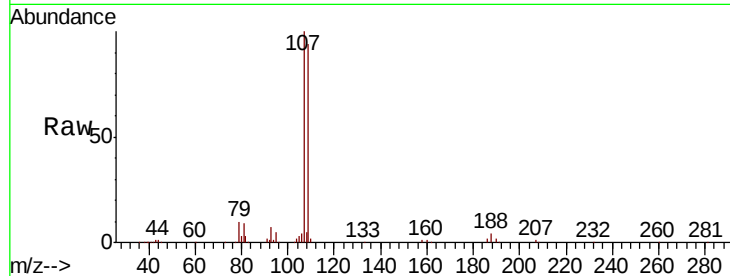
#61
1,2-Dibromoethane
Concen: 46.044 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

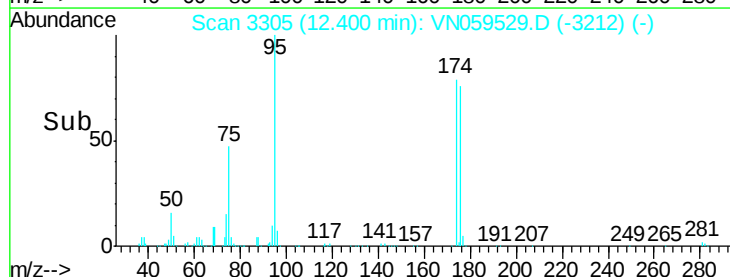
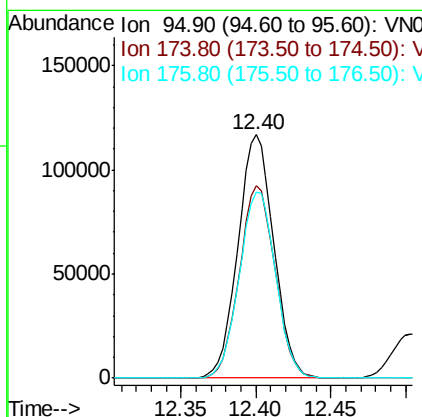
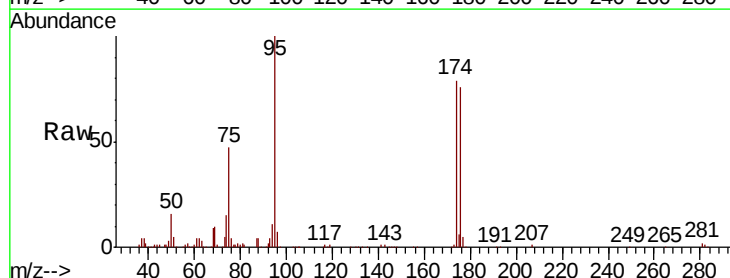
Manual Integrations
APPROVED

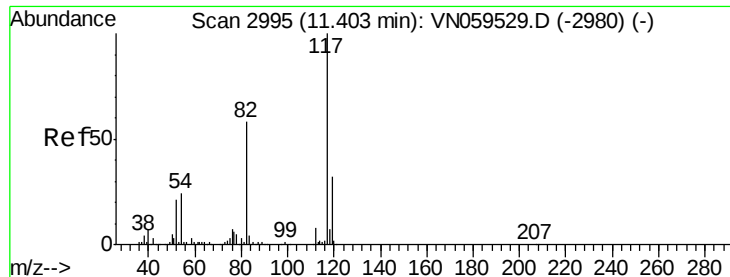
apatel
12/10/2019 5:10:46 PM



#62
4-Bromofluorobenzene
Concen: 53.071 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	158.0
176	77.7	0.0	155.4





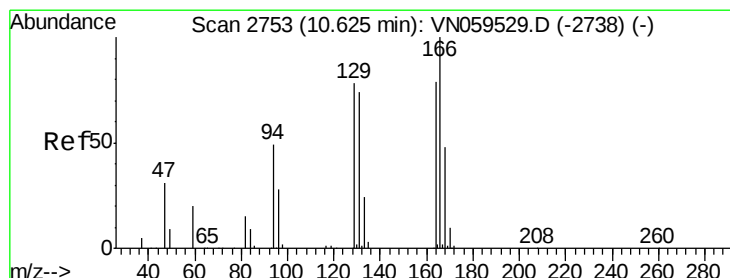
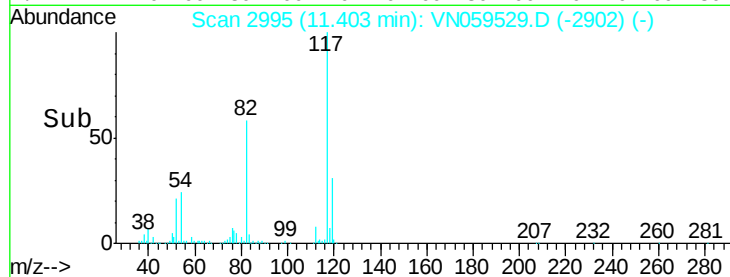
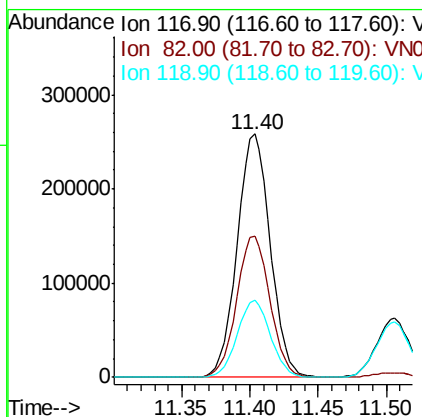
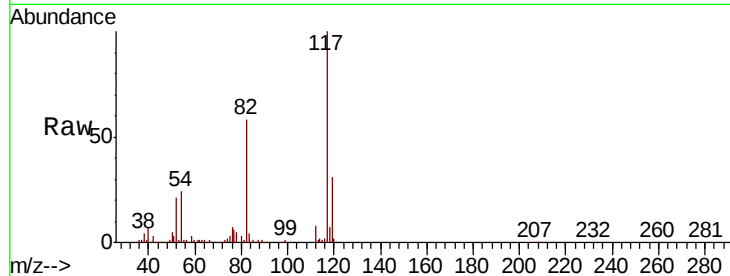
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	31.5	25.2	37.8

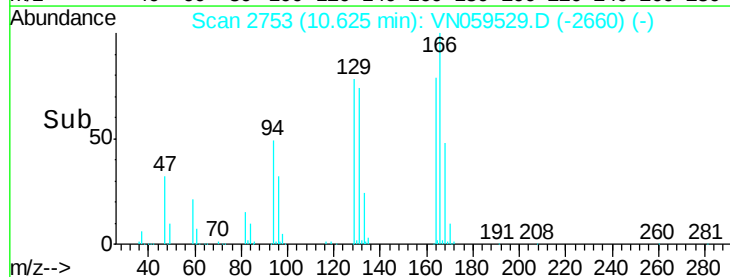
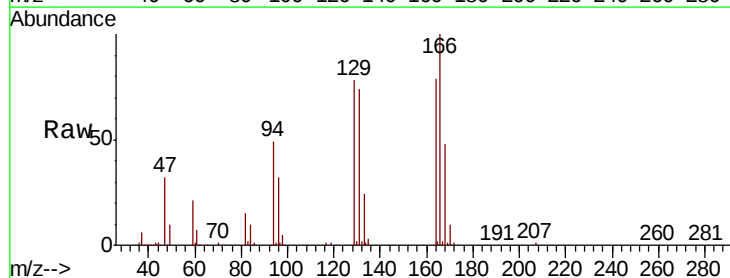
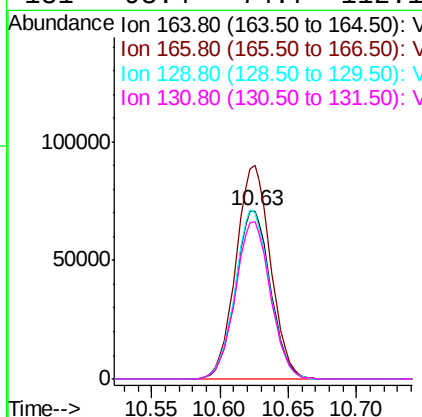
Manual Integrations
APPROVED

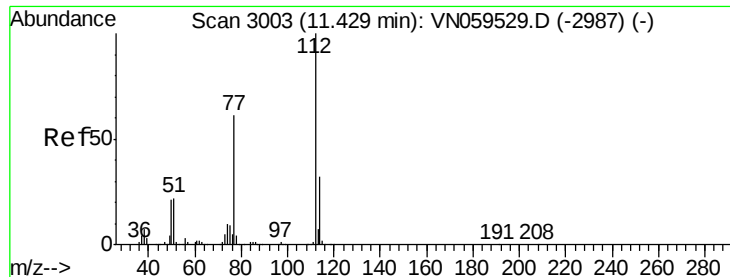
apatel
12/10/2019 5:10:46 PM



#64
Tetrachloroethene
Concen: 35.662 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.6	152.4
129	98.8	79.0	118.6
131	93.4	74.7	112.1





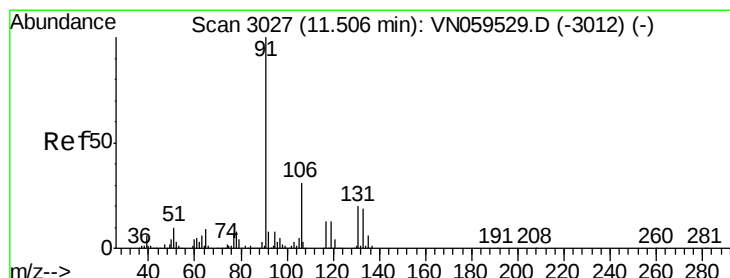
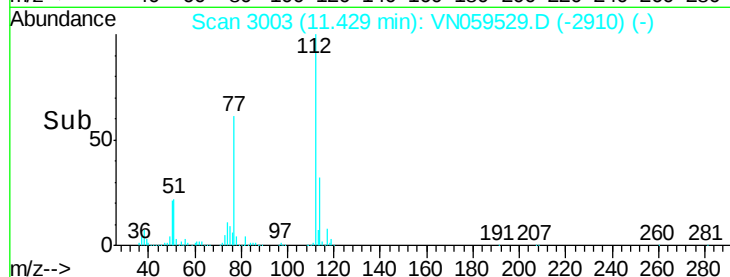
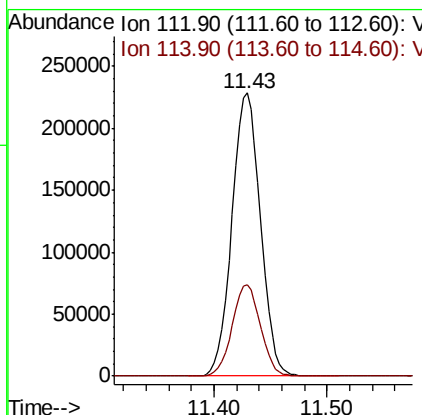
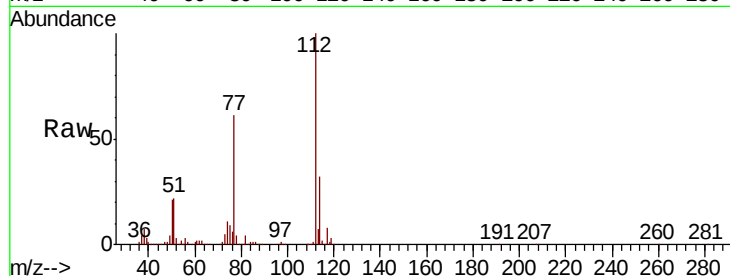
#65
Chlorobenzene
Concen: 43.106 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 400039
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

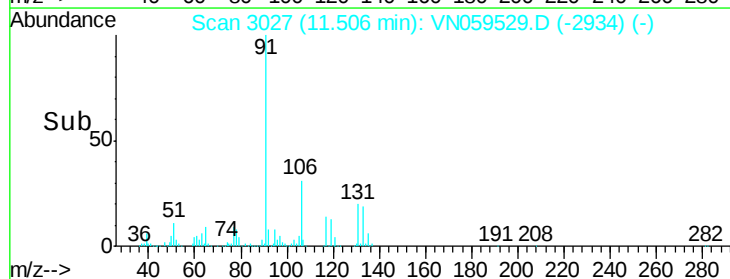
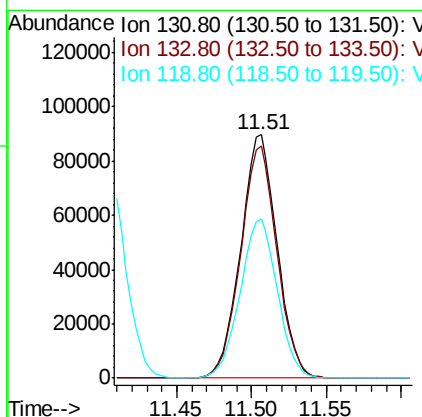
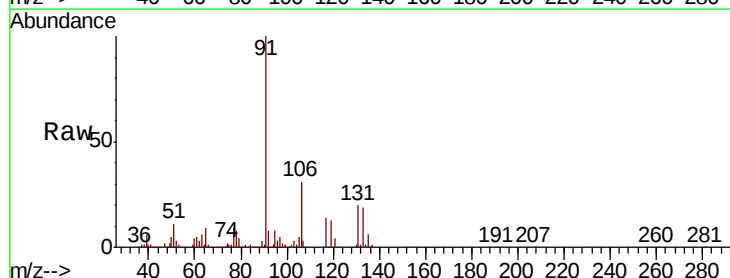
Manual Integrations
APPROVED

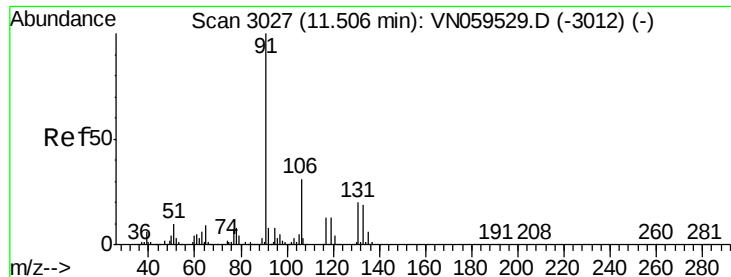
apatel
12/10/2019 5:10:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.339 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion:131 Resp: 151729
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.8 33.4 100.2





#67

Ethyl Benzene

Concen: 46.098 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 751217

Ion Ratio Lower Upper

91 100

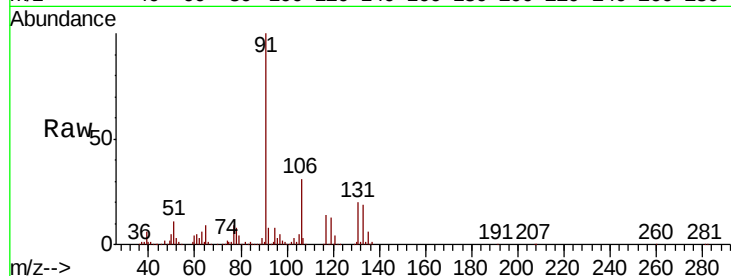
106 30.6 24.5 36.7

Manual Integrations

APPROVED

apatel

12/10/2019 5:10:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059529.D (-3012) (-)

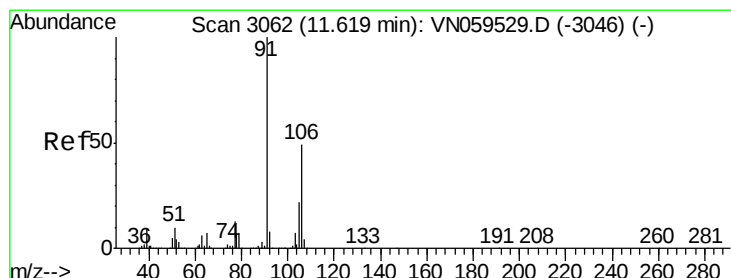
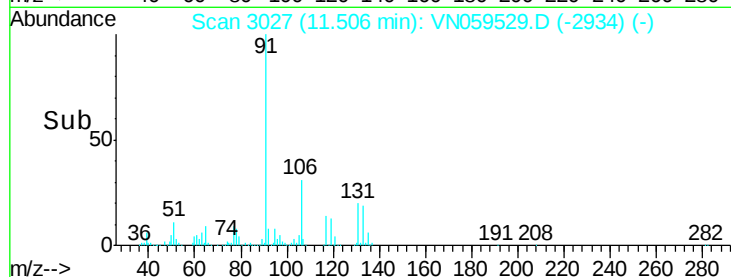
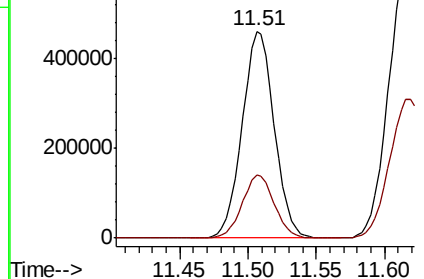
600000

400000

200000

0

11.45 11.50 11.55 11.60



#68

m/p-Xylenes

Concen: 97.951 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059529.D

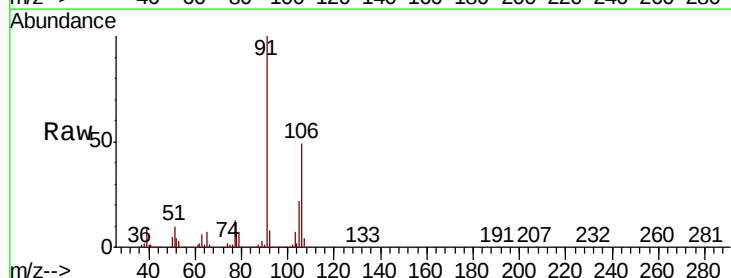
Acq: 9 Dec 2019 15:52

Tgt Ion: 106 Resp: 599234

Ion Ratio Lower Upper

106 100

91 203.6 162.9 244.3



Abundance Ion 106.00 (105.70 to 106.70): VN059529.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059529.D (-3046) (-)

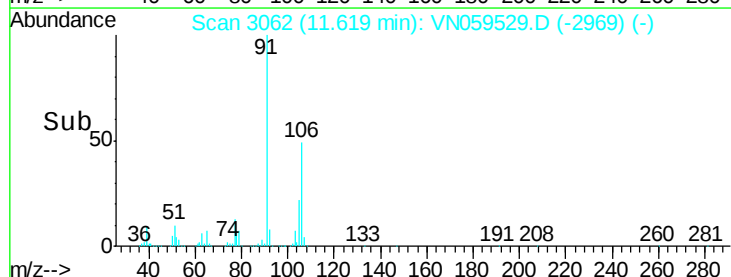
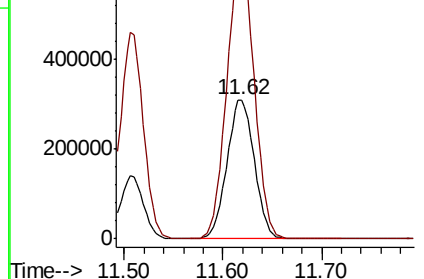
600000

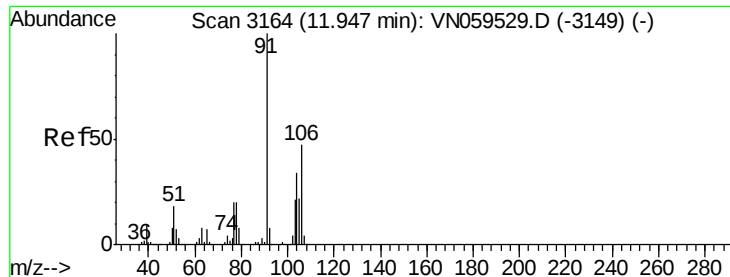
400000

200000

0

11.50 11.60 11.70





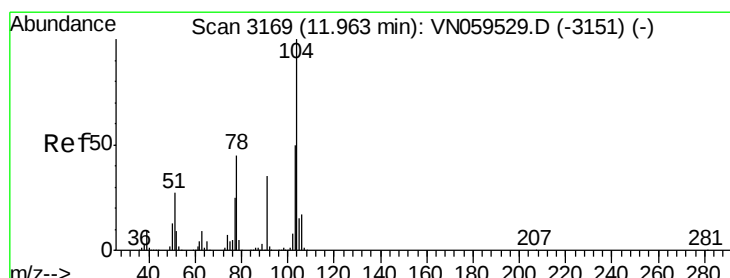
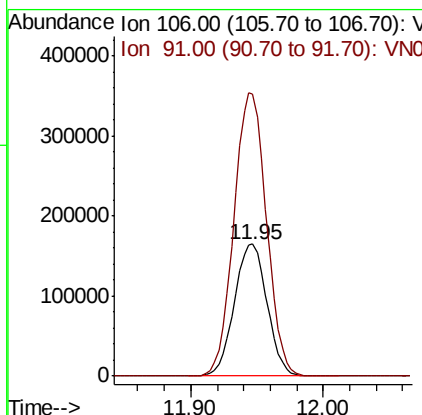
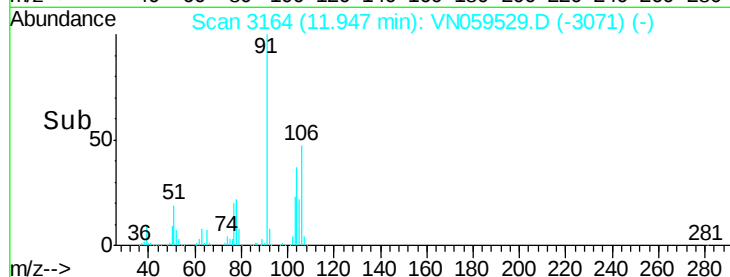
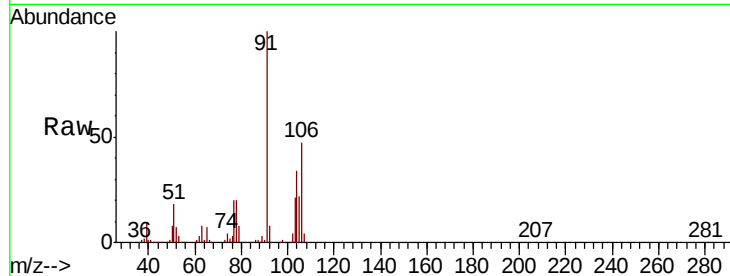
#69
o-Xylene
Concen: 48.428 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 282146
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9

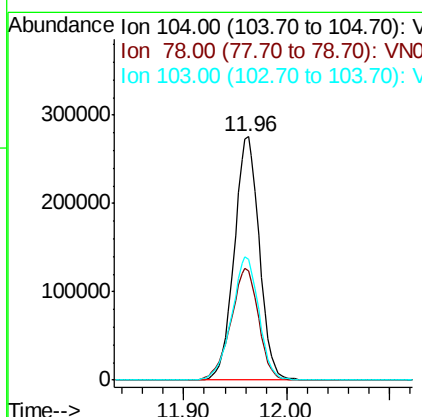
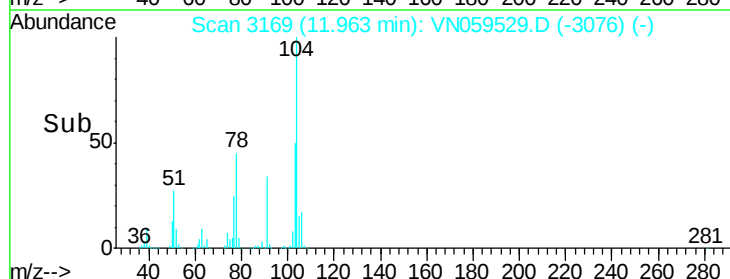
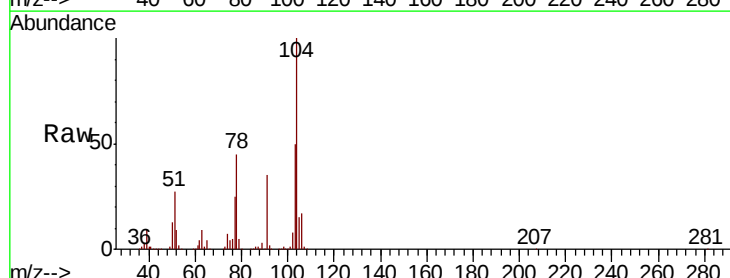
Manual Integrations
APPROVED

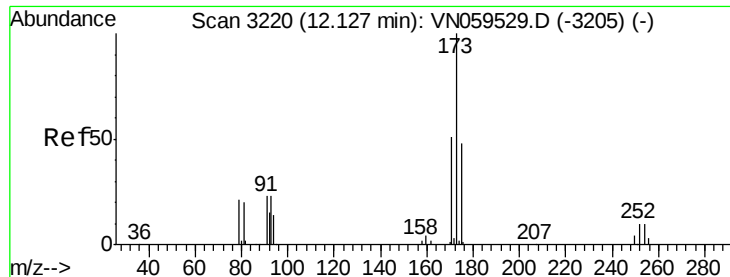
apatel
12/10/2019 5:10:46 PM



#70
Styrene
Concen: 50.142 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion:104 Resp: 467910
Ion Ratio Lower Upper
104 100
78 50.7 40.6 60.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 50.150 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

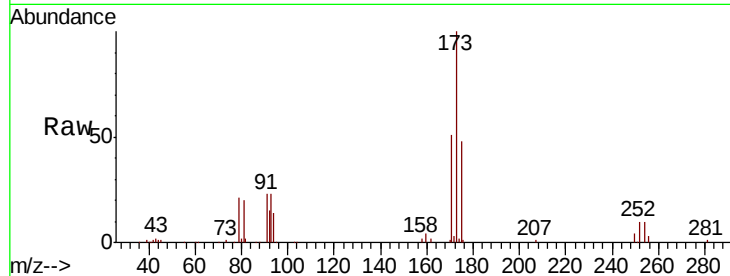
ClientSampleId :

VSTDICCC050

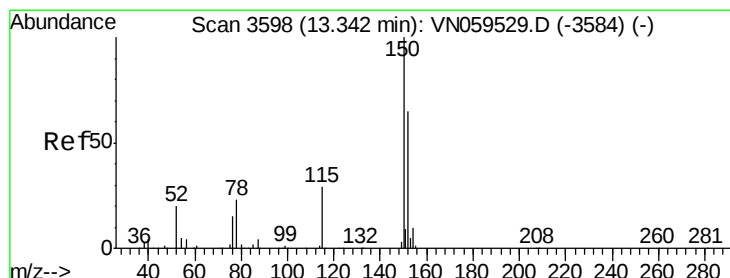
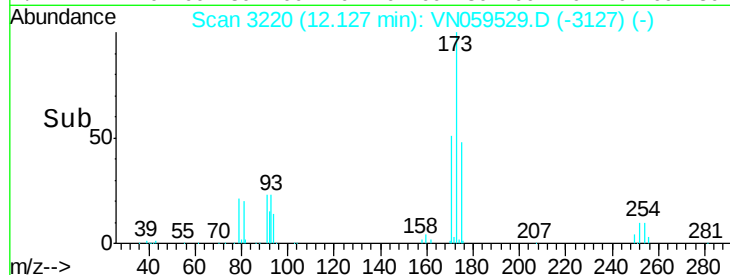
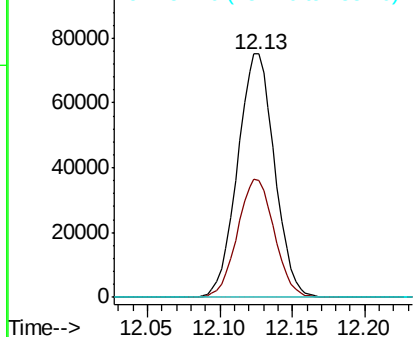
Tot Ion:	173	Resp:	132600
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

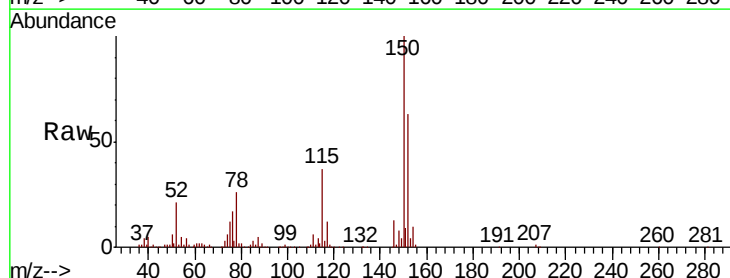
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

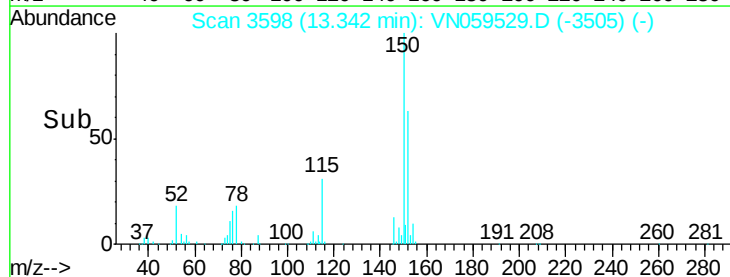
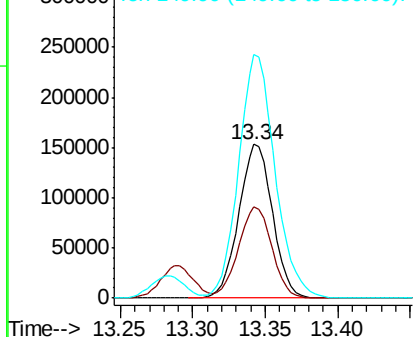
Lab File: VN059529.D

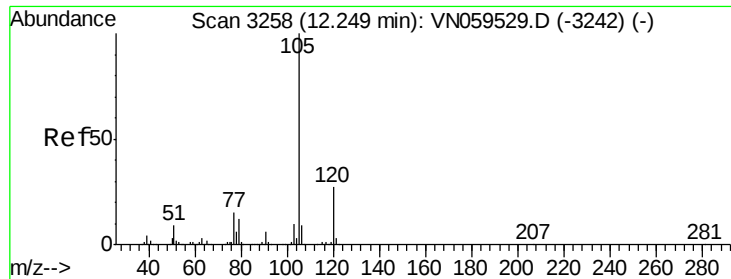
Acq: 9 Dec 2019 15:52

Tgt Ion:	152	Resp:	246934
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.4	88.2
150	171.2	0.0	342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





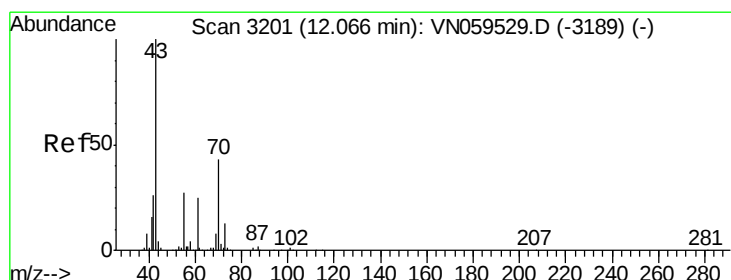
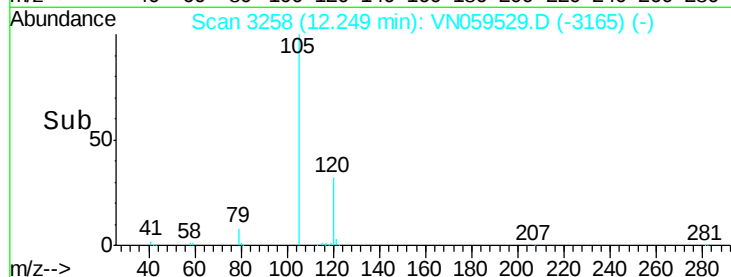
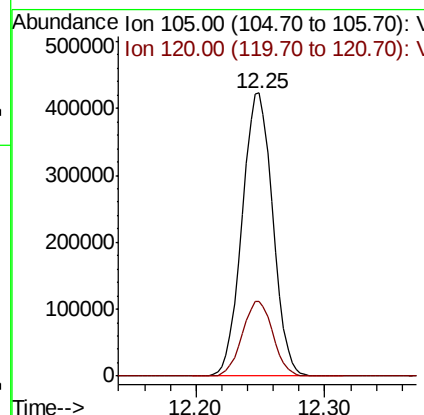
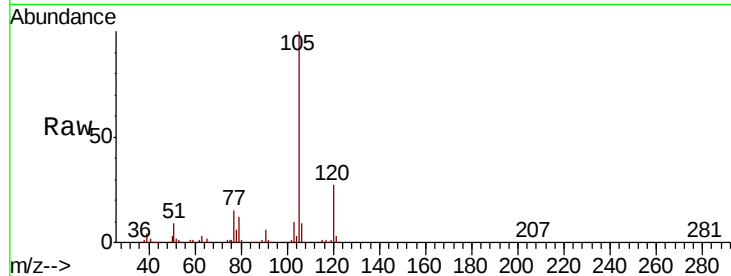
#73
Isopropylbenzene
Concen: 37.168 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

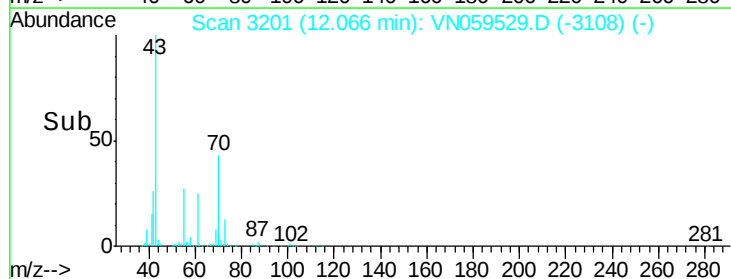
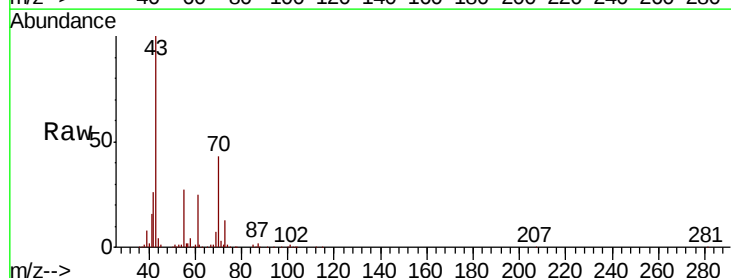
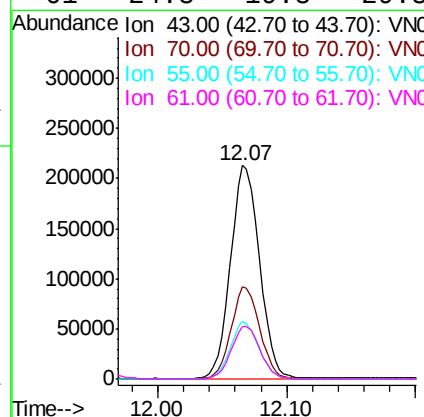
Manual Integrations
APPROVED

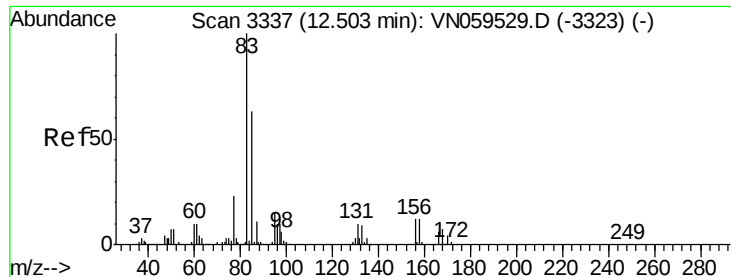
apatel
12/10/2019 5:10:46 PM



#74
N-ethyl acetate
Concen: 42.995 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.4
55	26.6	21.3	31.9
61	24.8	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 40.276 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

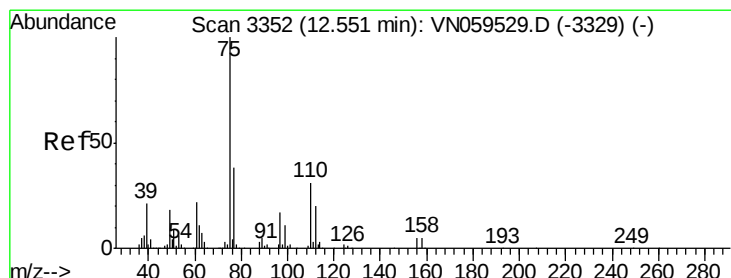
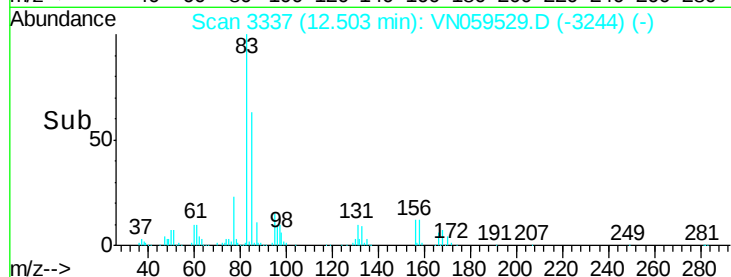
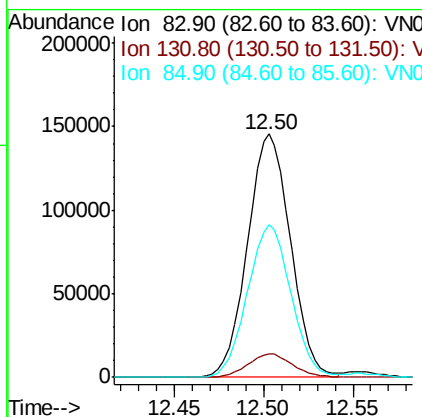
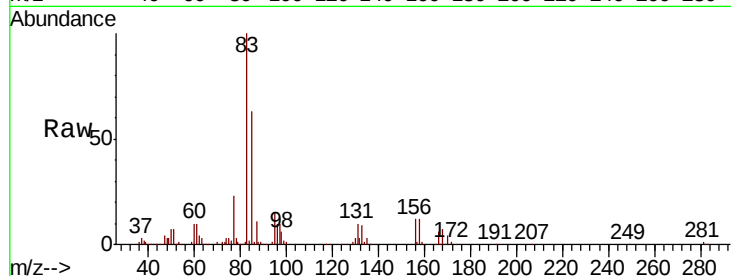
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	246077
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#76

1,2,3-Trichloropropane

Concen: 38.898 ug/l m

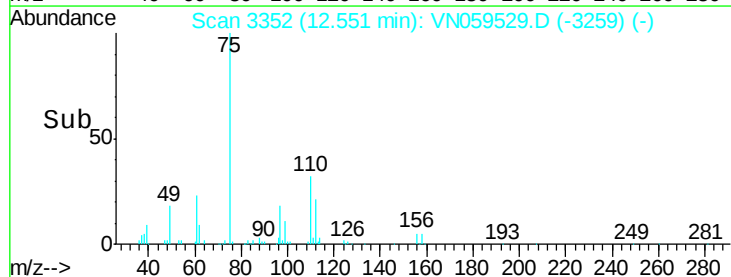
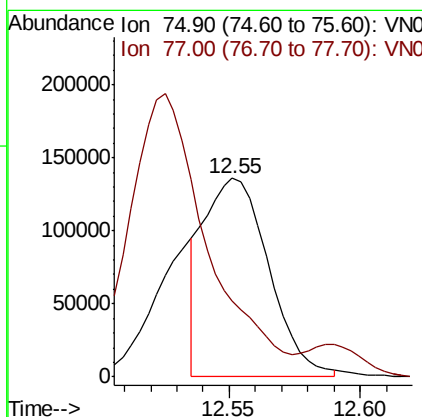
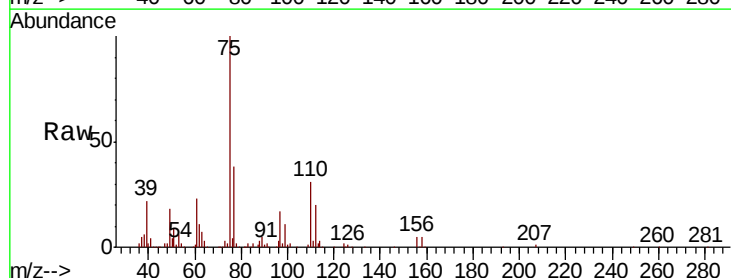
RT: 12.55 min Scan# 3352

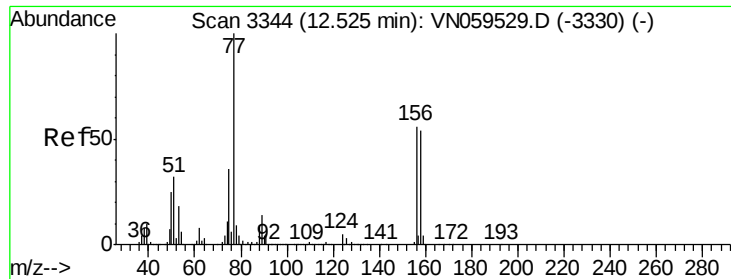
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	75	Resp:	234670
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 38.676 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

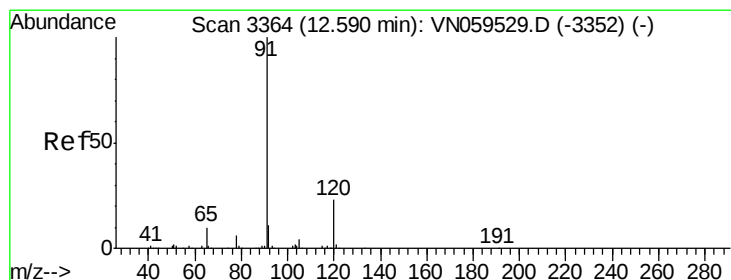
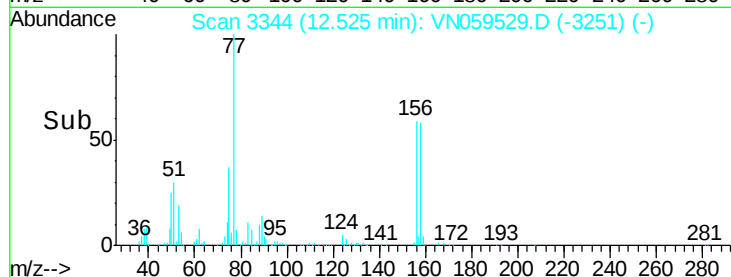
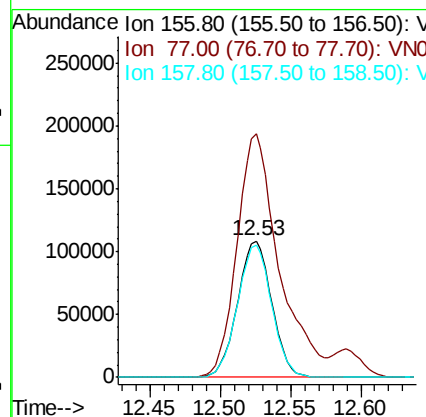
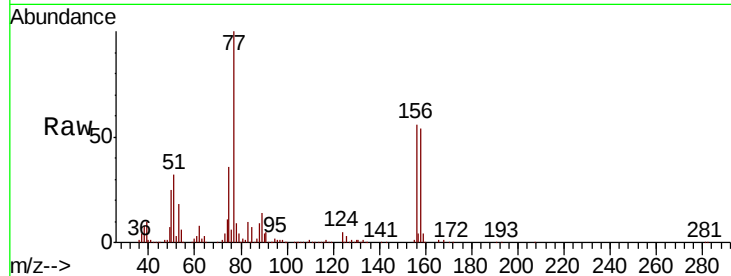
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	184329
Ion	Ratio	Lower	Upper
156	100		
77	218.5	109.3	327.8
158	97.2	48.6	145.8

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#78

n-propylbenzene

Concen: 40.765 ug/l

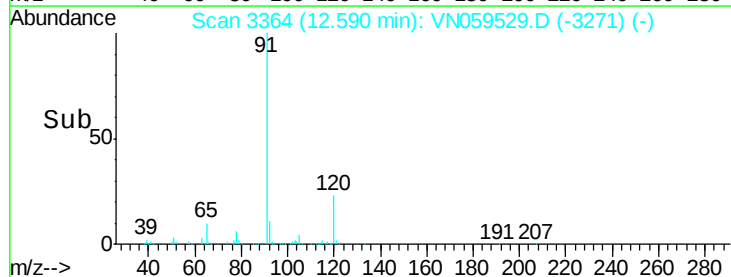
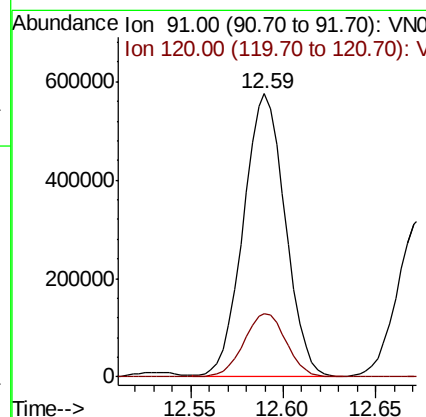
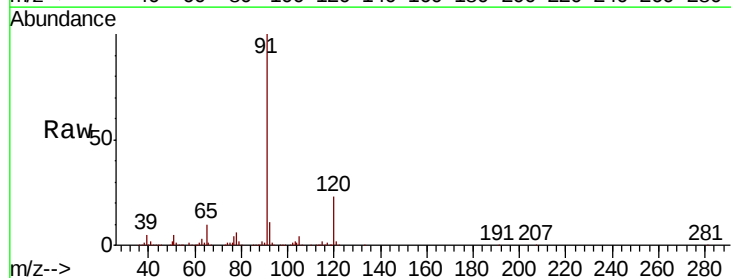
RT: 12.59 min Scan# 3364

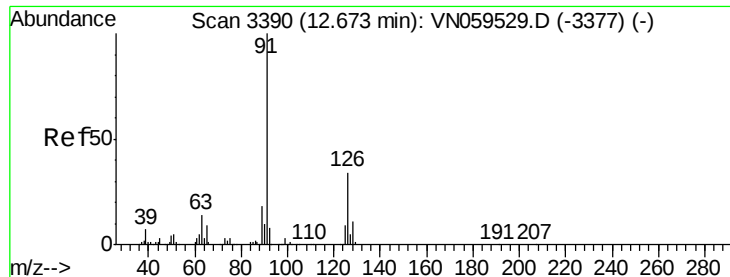
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	91	Resp:	901920
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 39.214 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 523776

Ion Ratio Lower Upper

91 100

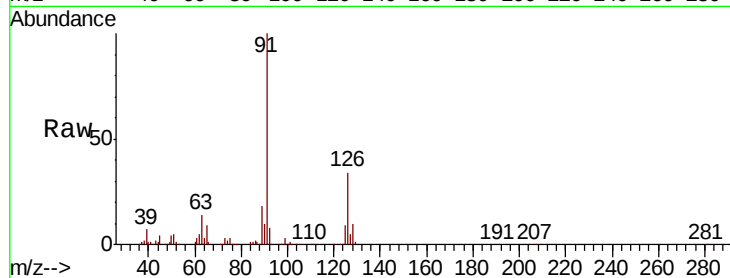
126 33.8 16.9 50.7

Manual Integrations

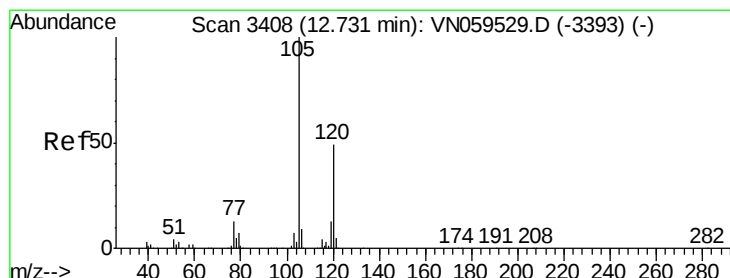
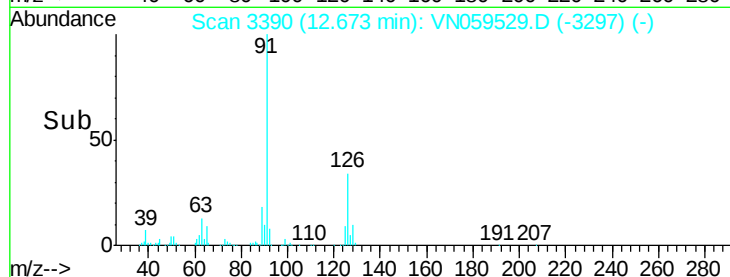
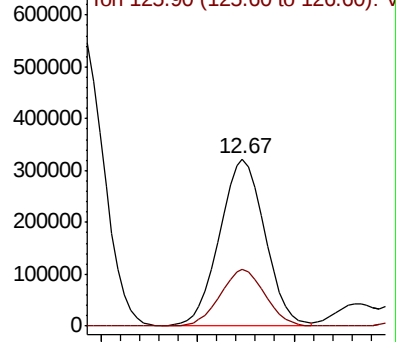
APPROVED

apatel

12/10/2019 5:10:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 41.221 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059529.D

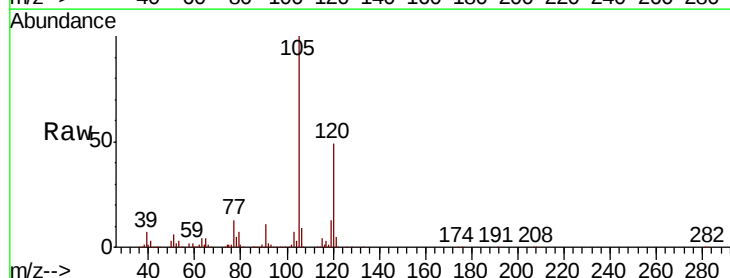
Acq: 9 Dec 2019 15:52

Tgt Ion: 105 Resp: 656663

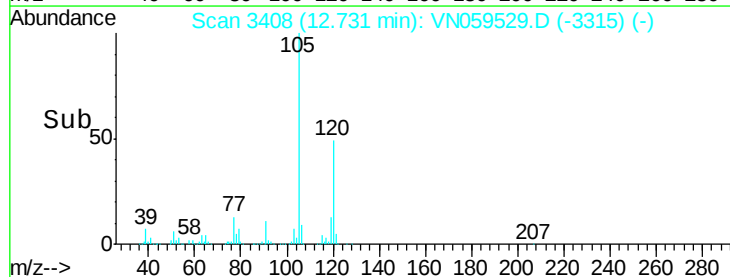
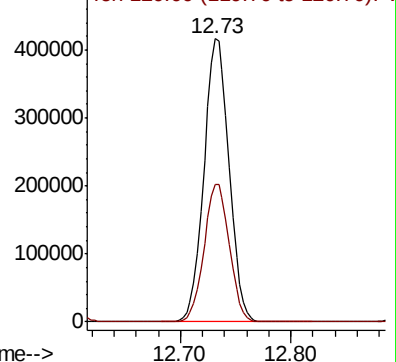
Ion Ratio Lower Upper

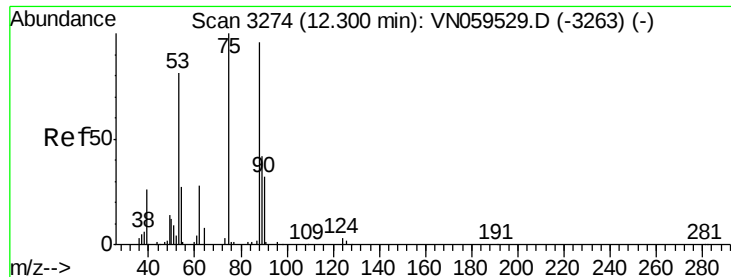
105 100

120 49.0 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)





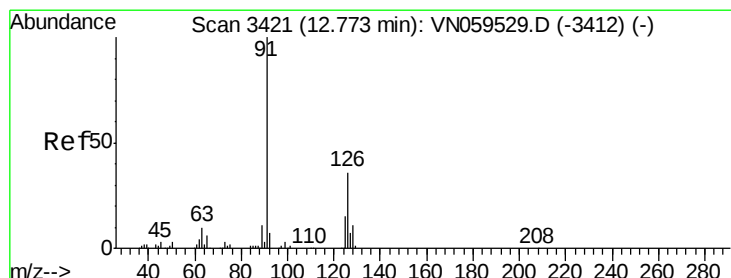
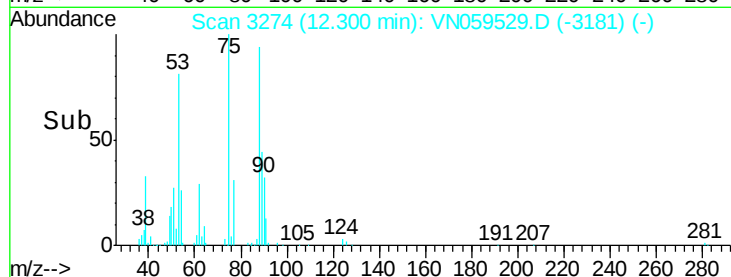
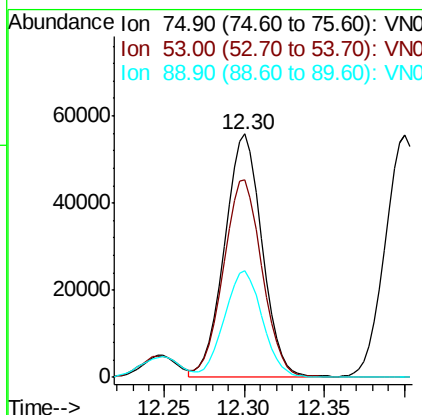
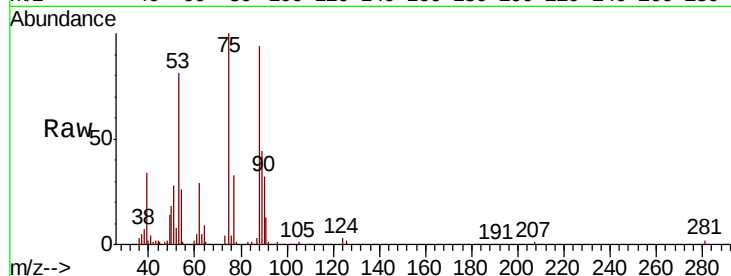
#81
trans-1,4-Dichloro-2-butene
Concen: 40.231 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.8	67.0	100.6
89	44.4	35.5	53.3

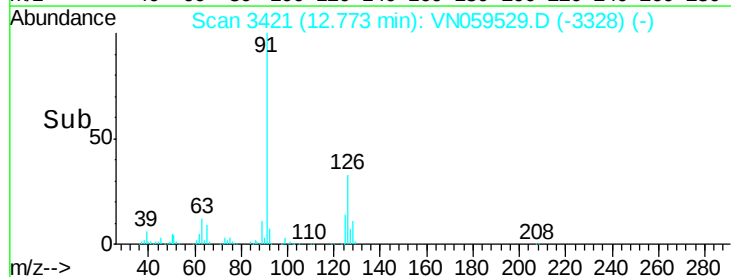
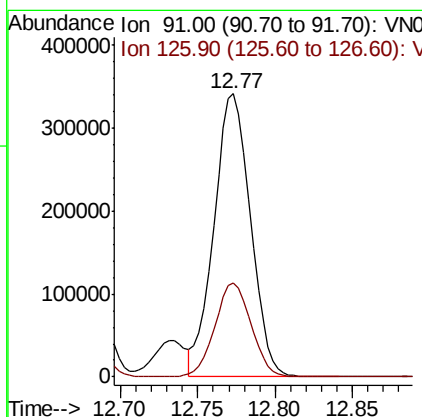
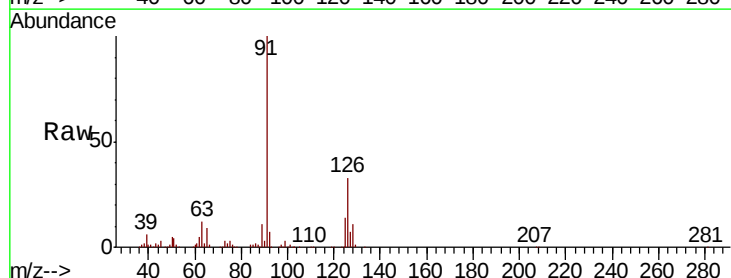
Manual Integrations
APPROVED

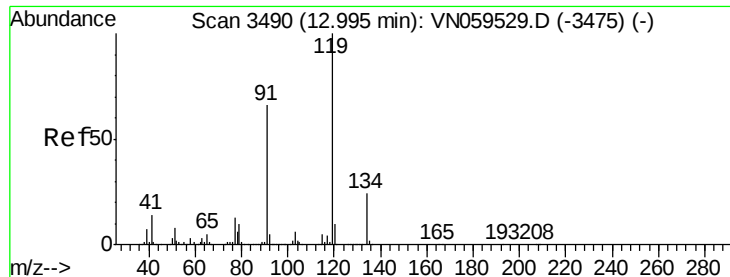
apatel
12/10/2019 5:10:46 PM



#82
4-Chlorotoluene
Concen: 40.419 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





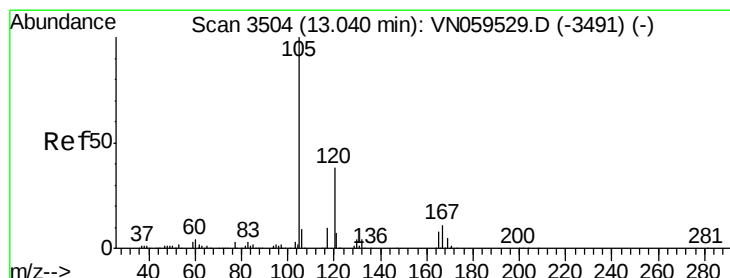
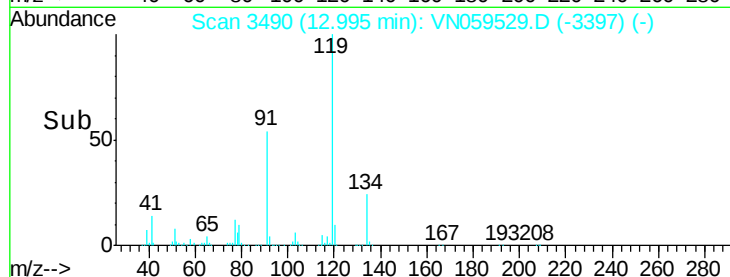
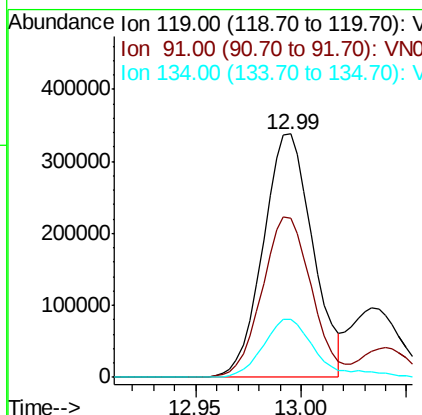
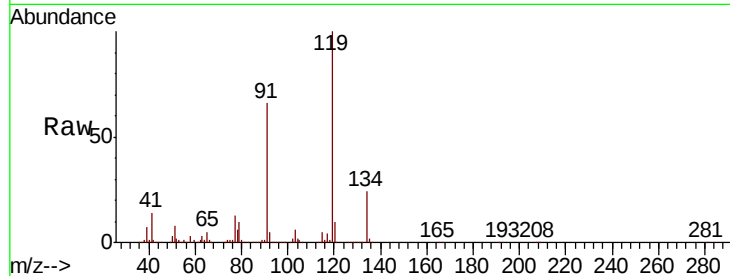
#83
tert-Butylbenzene
Concen: 39.948 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.8	98.4
134	25.5	12.8	38.3

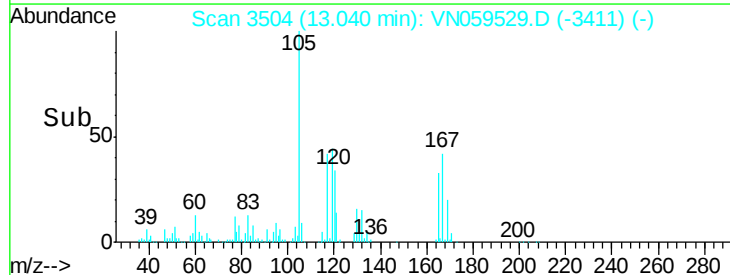
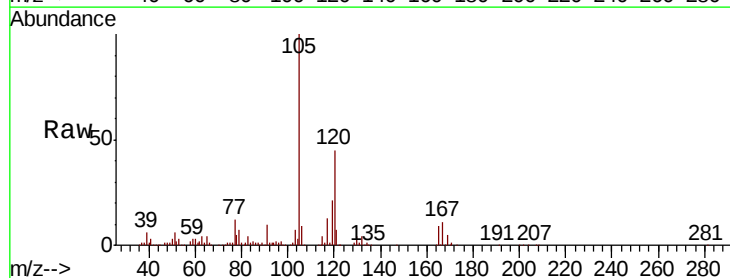
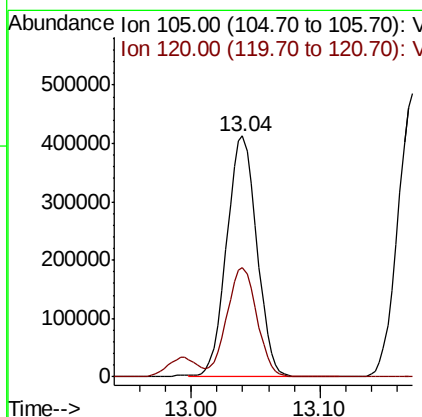
Manual Integrations
APPROVED

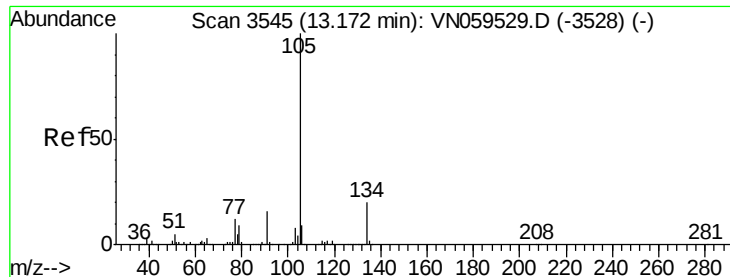
apatel
12/10/2019 5:10:46 PM



#84
1,2,4-Trimethylbenzene
Concen: 42.787 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





#85

sec-Butylbenzene

Concen: 41.865 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 768622

Ion Ratio Lower Upper

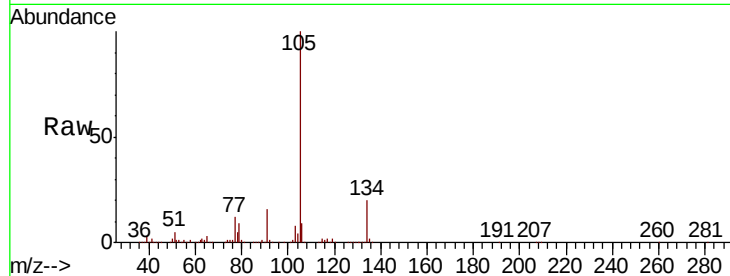
105 100

134 19.7 9.8 29.5

Manual Integrations
APPROVED

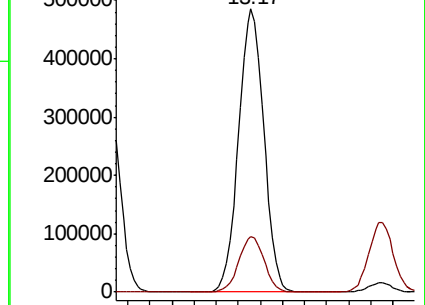
apatel

12/10/2019 5:10:46 PM

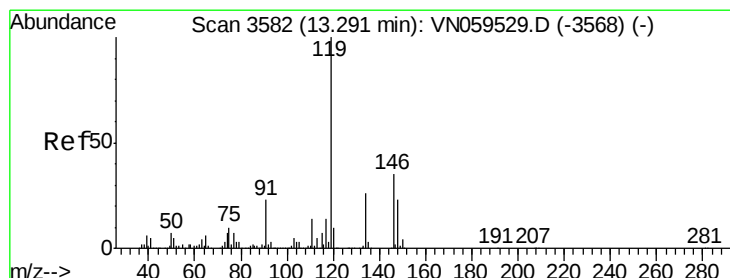
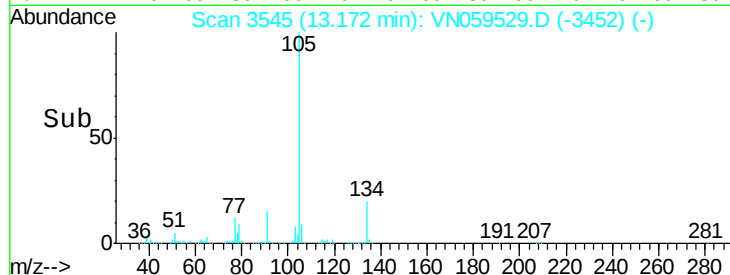


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 42.968 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

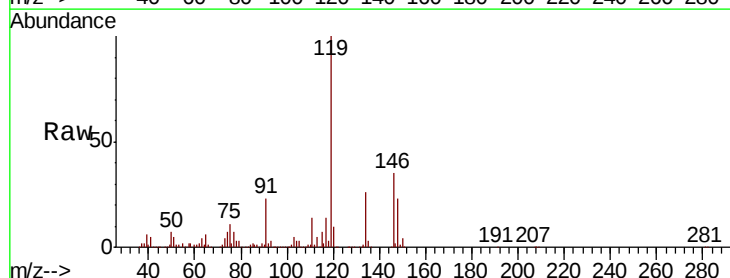
Tgt Ion:119 Resp: 709337

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

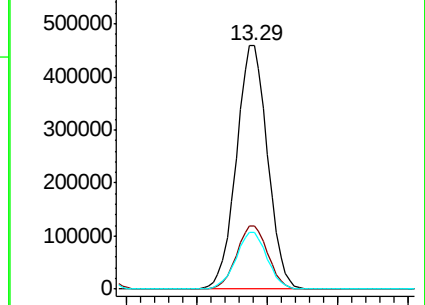
91 23.4 11.7 35.1



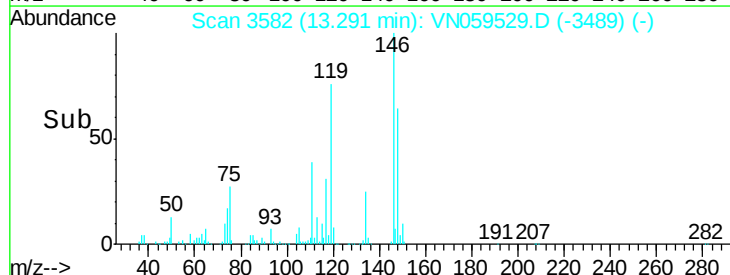
Abundance Ion 119.00 (118.70 to 119.70): V

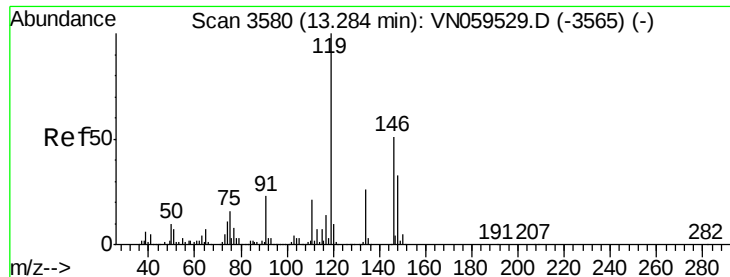
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 41.449 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059529.D

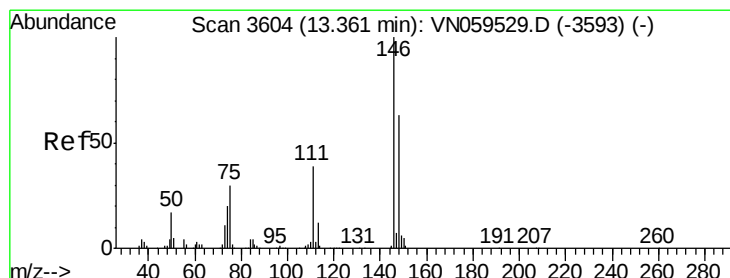
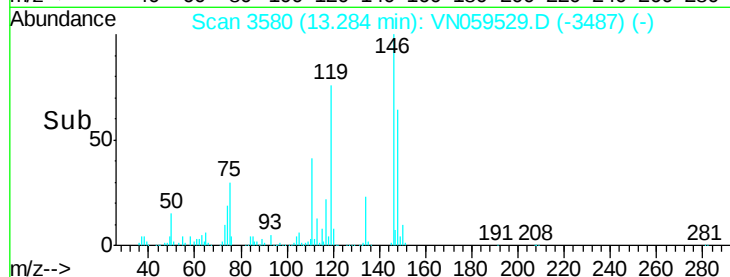
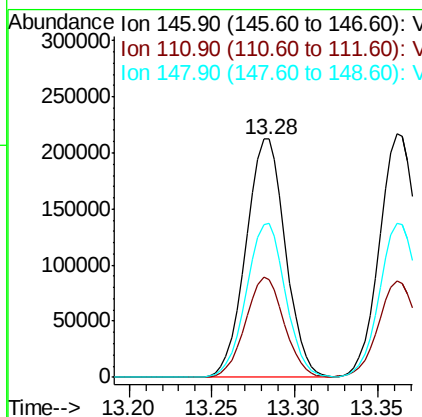
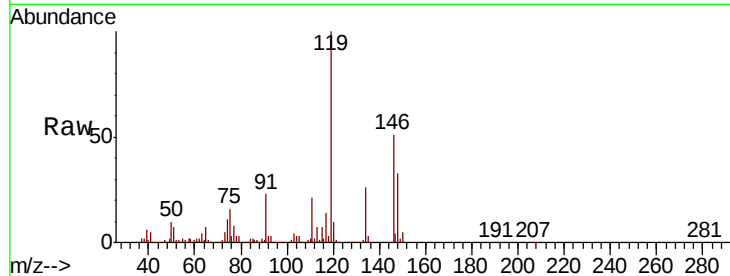
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	64.0	32.0	96.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#88

1,4-Dichlorobenzene

Concen: 41.269 ug/l

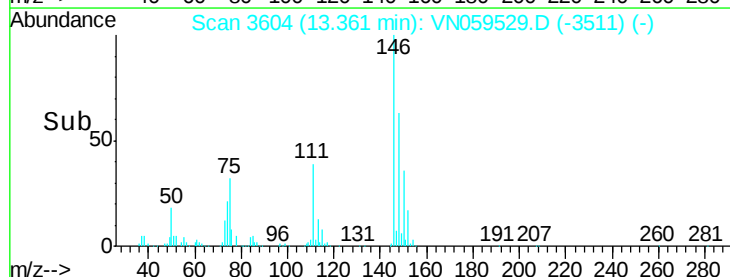
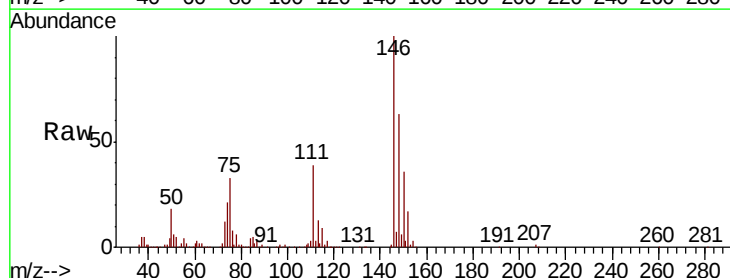
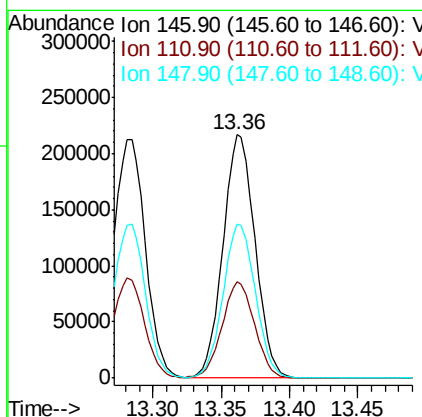
RT: 13.36 min Scan# 3604

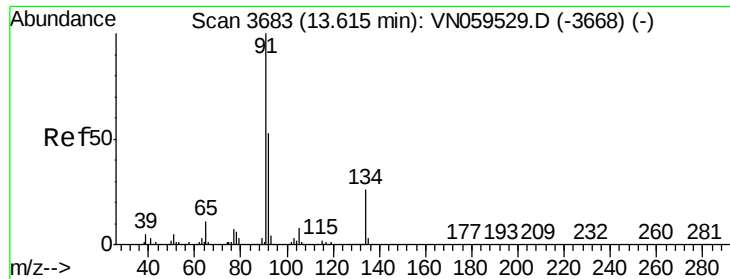
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.8	31.9	95.7





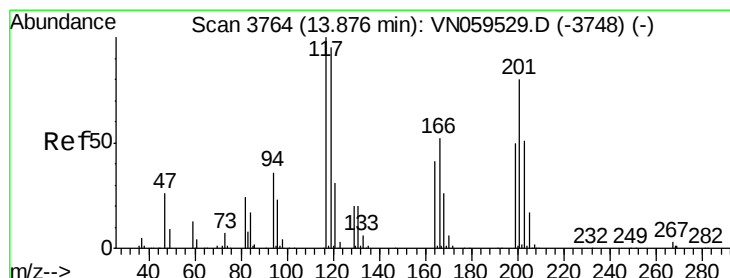
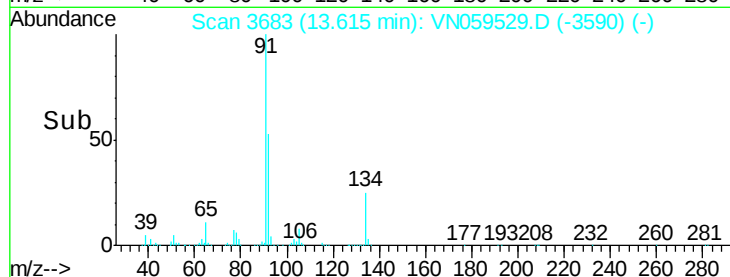
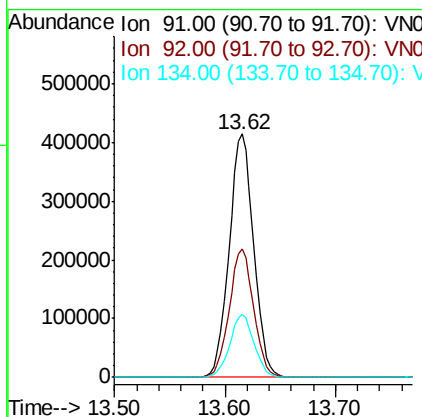
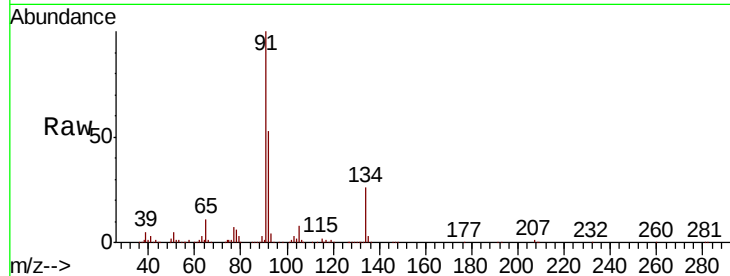
#89
n-Butylbenzene
Concen: 42.963 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	25.6	12.8	38.4

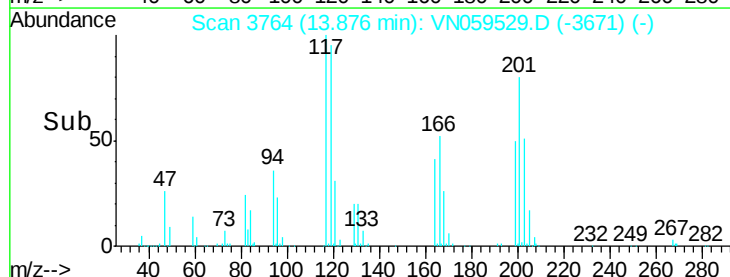
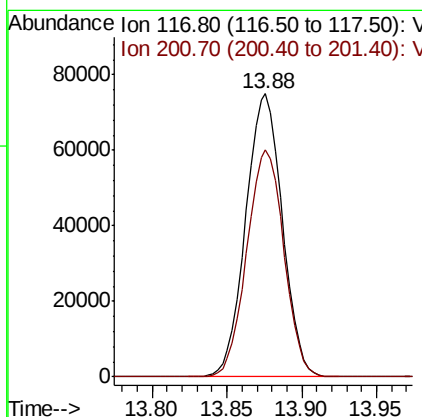
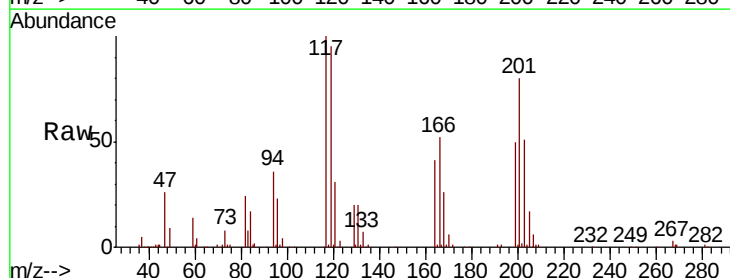
Manual Integrations
APPROVED

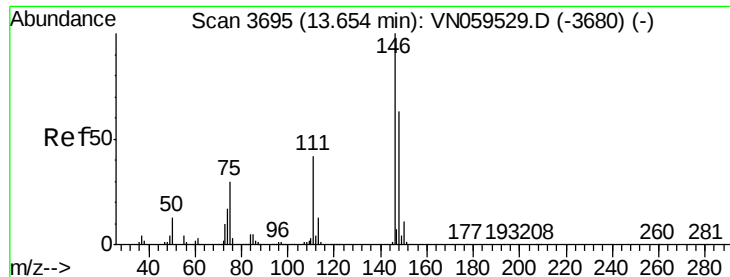
apatel
12/10/2019 5:10:46 PM



#90
Hexachloroethane
Concen: 40.177 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.5	121.5





#91

1,2-Dichlorobenzene

Concen: 41.724 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Instrument :

MSVOA_N

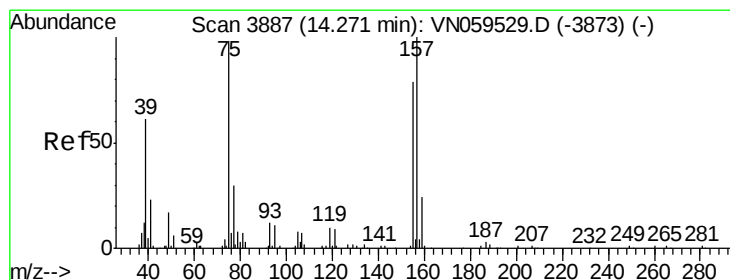
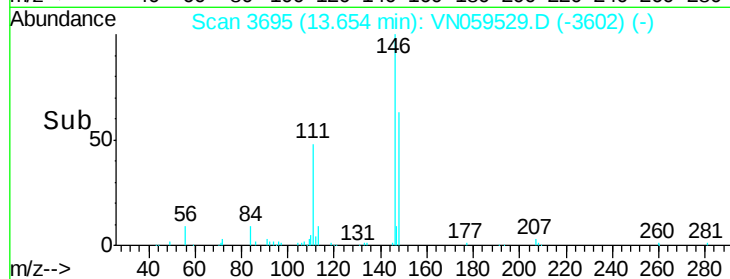
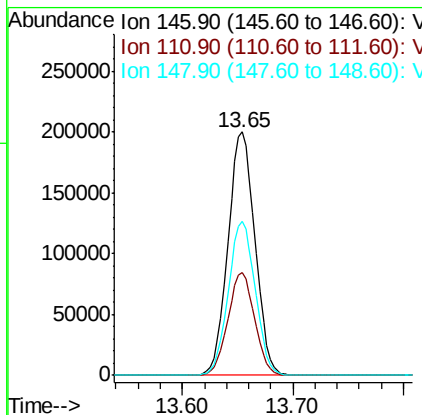
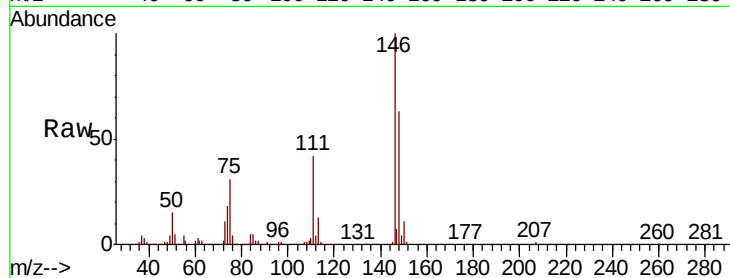
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	338790
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.9	62.7
148	63.2	31.6	94.8

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 38.876 ug/l

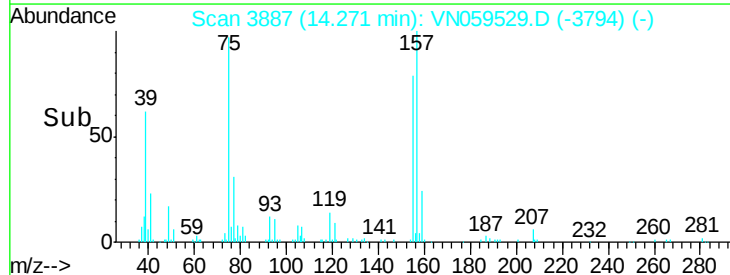
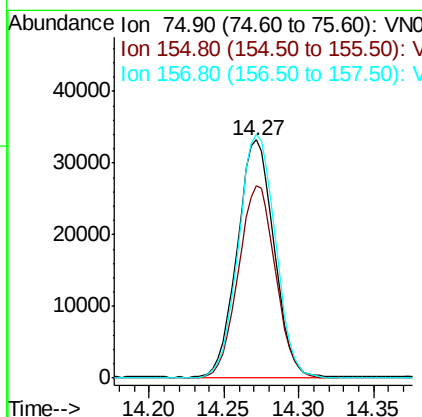
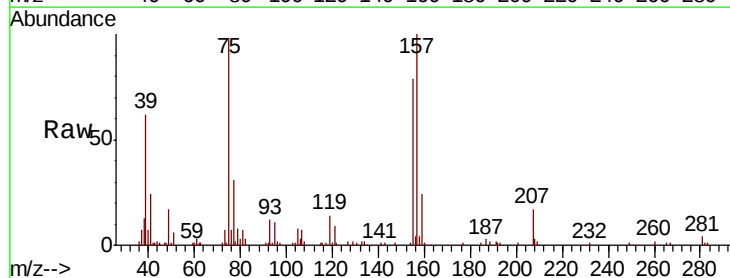
RT: 14.27 min Scan# 3887

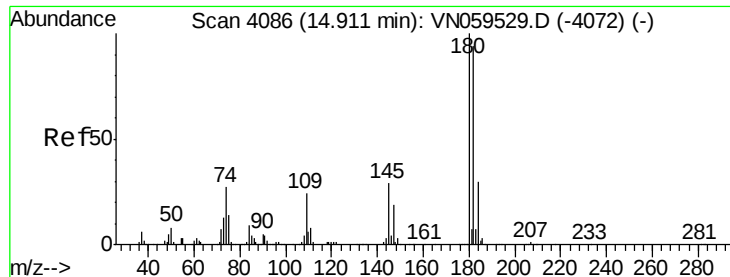
Delta R.T. 0.00 min

Lab File: VN059529.D

Acq: 9 Dec 2019 15:52

Tgt Ion:	75	Resp:	57322
Ion Ratio	Lower	Upper	
75	100		
155	80.7	40.4	121.1
157	102.2	51.1	153.3





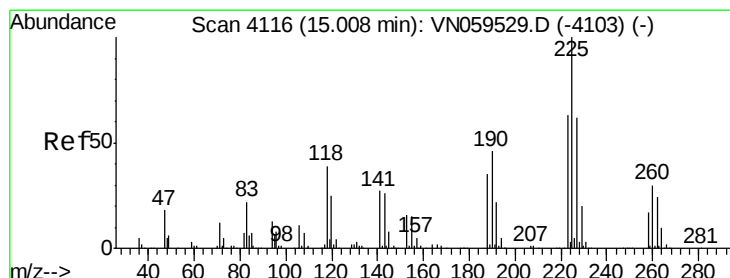
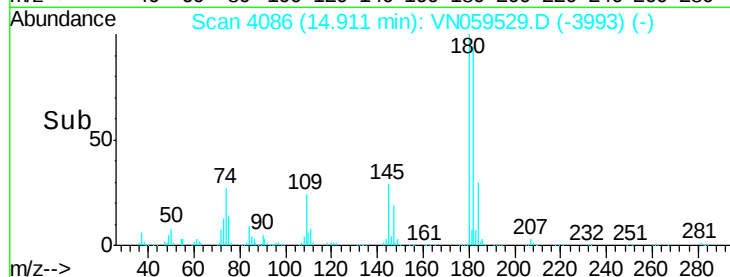
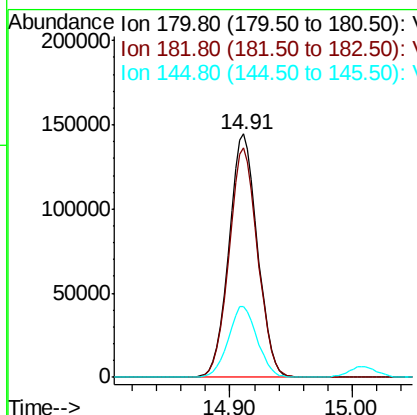
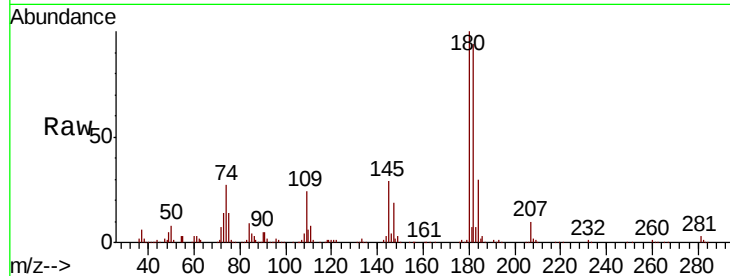
#93
 1,2,4-Trichlorobenzene
 Concen: 45.965 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234734		
182	94.7	47.3	142.0	
145	29.8	14.9	44.7	

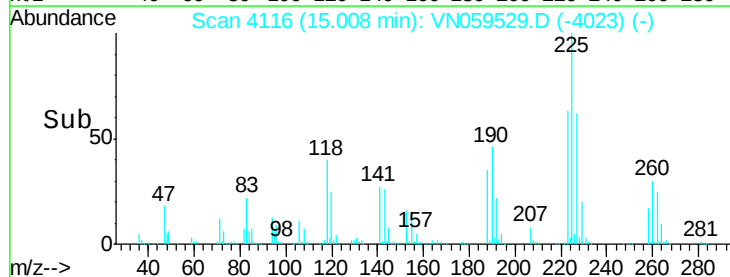
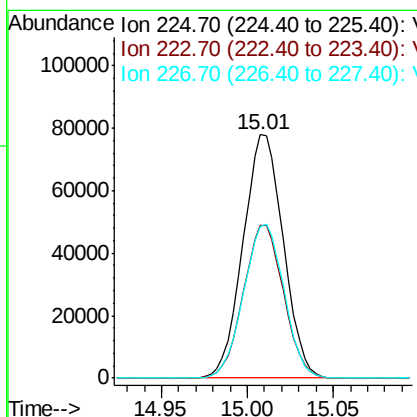
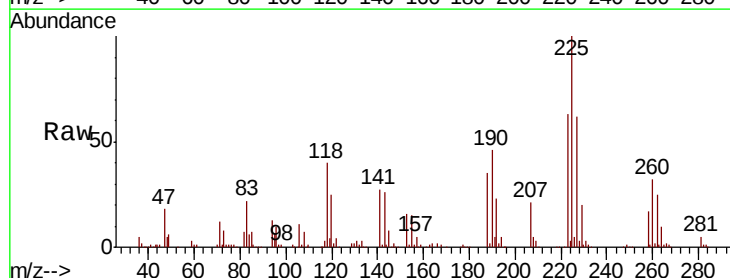
Manual Integrations
 APPROVED

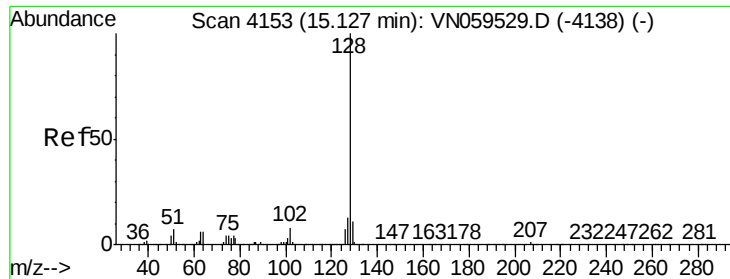
apatel
 12/10/2019 5:10:46 PM



#94
 Hexachlorobutadiene
 Concen: 39.896 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059529.D
 Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126838		
223	62.6	31.3	93.9	
227	63.3	31.6	95.0	





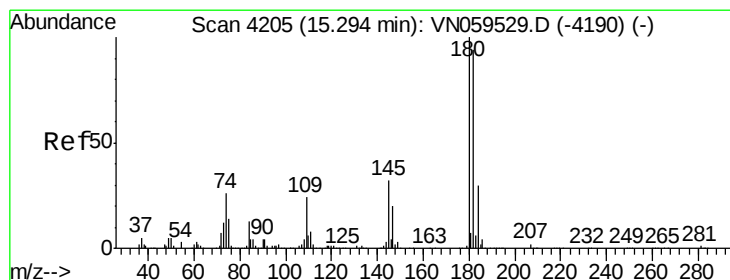
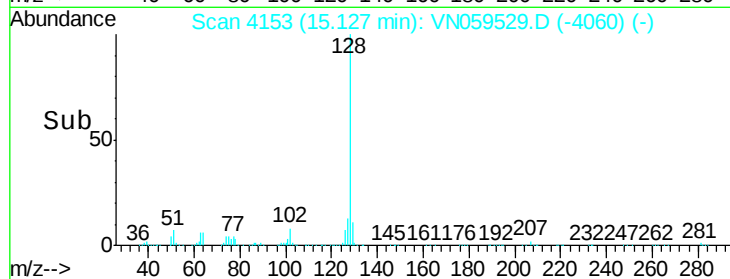
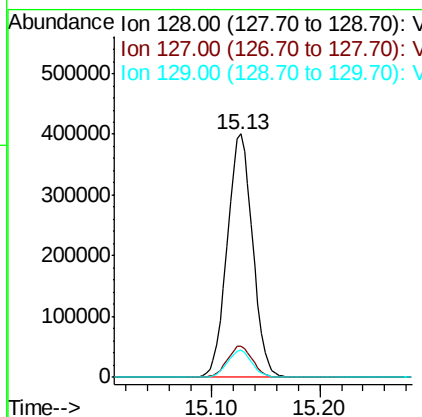
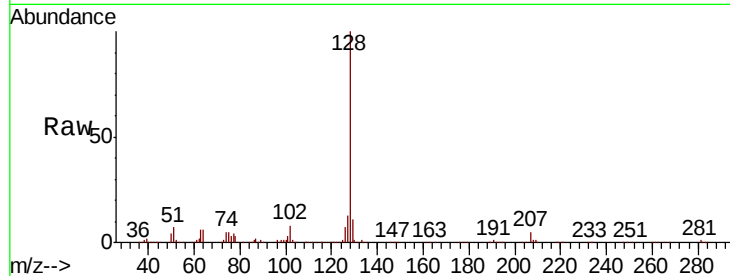
#95
Naphthalene
Concen: 43.948 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 41.406 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059529.D
Acq: 9 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	31.6	15.8	47.4

