

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059427.D
 Acq On : 27 Nov 2019 17:19
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:09:08 AM

Quant Time: Nov 28 02:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	665134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	243614	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.57	113	200115	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	796098	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	282244	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239451	48.123	ug/l	99
3) Chloromethane	2.04	50	275682	45.358	ug/l	100
4) Vinyl Chloride	2.17	62	269776	46.189	ug/l	100
5) Bromomethane	2.54	94	158737	45.140	ug/l	99
6) Chloroethane	2.68	64	152795	46.658	ug/l	98
7) Trichlorofluoromethane	3.00	101	318199	45.739	ug/l	96
8) Diethyl Ether	3.38	74	132984	46.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	198794	46.397	ug/l	99
10) Methyl Iodide	3.93	142	267528	47.971	ug/l	100
11) Tert butyl alcohol	4.75	59	193296	225.315	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	195434	46.576	ug/l	99
13) Acrolein	3.58	56	139780	166.911	ug/l	100
14) Allyl chloride	4.29	41	362335	46.559	ug/l	99
15) Acrylonitrile	4.95	53	561246	234.779	ug/l	100
16) Acetone	3.79	43	575938	244.122	ug/l	99
17) Carbon Disulfide	4.03	76	635697	44.148	ug/l	99
18) Methyl Acetate	4.29	43	278599	43.364	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	649824	48.059	ug/l	100
20) Methylene Chloride	4.52	84	217517	45.375	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	213527	46.707	ug/l	98
22) Diisopropyl ether	5.92	45	692294	47.870	ug/l	98
23) Vinyl Acetate	5.86	43	2880056	246.850	ug/l	100
24) 1,1-Dichloroethane	5.82	63	394335	47.392	ug/l	100
25) 2-Butanone	6.80	43	777931	239.691	ug/l	100
26) 2,2-Dichloropropane	6.80	77	334872	47.291	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	236387	47.278	ug/l	100
28) Bromochloromethane	7.17	49	142808	40.367	ug/l	100
29) Tetrahydrofuran	7.18	42	495341	229.478	ug/l	99
30) Chloroform	7.35	83	369177	44.090	ug/l	100
31) Cyclohexane	7.63	56	375047	44.962	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	322505	47.099	ug/l	100
36) 1,1-Dichloropropene	7.77	75	299572	46.836	ug/l	100
37) Ethyl Acetate	6.90	43	304297	44.966	ug/l	99
38) Carbon Tetrachloride	7.75	117	286419	47.449	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059427.D
 Acq On : 27 Nov 2019 17:19
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN112719

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:09:08 AM

Quant Time: Nov 28 02:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	372257	48.647	ug/l	98
40) Benzene	8.02	78	886166	46.661	ug/l	100
41) Methacrylonitrile	7.15	41	138205m	43.859	ug/l	
42) 1,2-Dichloroethane	8.10	62	284235	47.199	ug/l	100
43) Isopropyl Acetate	8.14	43	484498	47.127	ug/l	100
44) Trichloroethene	8.82	130	224890	46.441	ug/l	98
45) 1,2-Dichloropropane	9.10	63	232929	46.890	ug/l	99
46) Dibromomethane	9.19	93	143903	46.942	ug/l	99
47) Bromodichloromethane	9.39	83	292272	47.139	ug/l	98
48) Methyl methacrylate	9.18	41	214073	46.934	ug/l	98
49) 1,4-Dioxane	9.19	88	69510	1043.467	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1444423	242.224	ug/l	100
52) Toluene	10.15	92	537827	47.402	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	340150	47.744	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373514	48.566	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	206794	46.565	ug/l	99
56) Ethyl methacrylate	10.42	69	325601	51.966	ug/l	100
57) 1,3-Dichloropropane	10.70	76	359289	46.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	470258	247.140	ug/l	99
59) 2-Hexanone	10.74	43	1079071	244.034	ug/l	100
60) Dibromochloromethane	10.90	129	226491	48.859	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216227	47.515	ug/l	99
64) Tetrachloroethene	10.63	164	204426	46.866	ug/l	99
65) Chlorobenzene	11.43	112	559192	46.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206162	47.619	ug/l	99
67) Ethyl Benzene	11.51	91	1018619	48.575	ug/l	100
68) m/p-Xylenes	11.62	106	758370	96.863	ug/l	99
69) o-Xylene	11.95	106	364165	48.500	ug/l	99
70) Styrene	11.96	104	598410	52.815	ug/l	99
71) Bromoform	12.13	173	164139	49.790	ug/l #	99
73) Isopropylbenzene	12.25	105	977858	47.712	ug/l	100
74) N-amyl acetate	12.07	43	387586	53.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	304764	45.599	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	276476m	44.175	ug/l	
77) Bromobenzene	12.53	156	235805	46.994	ug/l	100
78) n-propylbenzene	12.59	91	1152949	48.817	ug/l	100
79) 2-Chlorotoluene	12.68	91	667589	47.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	828211	48.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113985	46.796	ug/l	97
82) 4-Chlorotoluene	12.78	91	692957	47.698	ug/l	99
83) tert-Butylbenzene	13.00	119	696028	47.051	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	820548	48.621	ug/l	100
85) sec-Butylbenzene	13.17	105	947637	48.239	ug/l	100
86) p-Isopropyltoluene	13.29	119	868033	48.877	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422459	47.507	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	417115	46.722	ug/l	100
89) n-Butylbenzene	13.62	91	755597	48.671	ug/l	99
90) Hexachloroethane	13.88	117	157546	46.413	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	407216	46.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60450	52.469	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
Data File : VN059427.D
Acq On : 27 Nov 2019 17:19
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

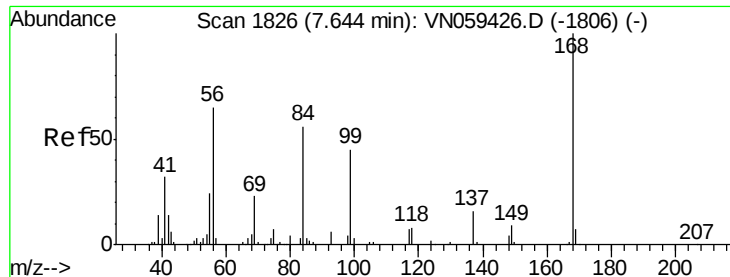
Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM

Quant Time: Nov 28 02:15:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	251061	46.352	ug/l	100
94) Hexachlorobutadiene	15.01	225	145314	43.778	ug/l	99
95) Naphthalene	15.13	128	642531	52.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	247238	53.349	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

ICVVN112719

Tot Ion:168 Resp: 422760

Ion Ratio Lower Upper

168 100

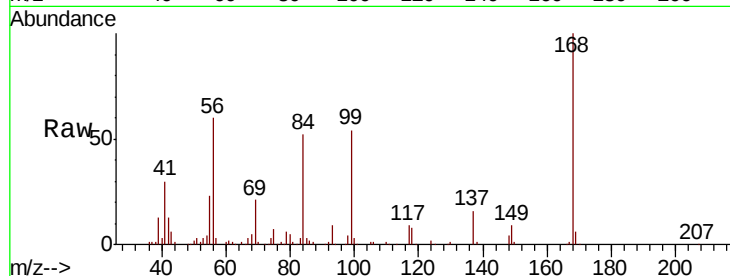
99 54.2 43.0 64.4

Manual Integrations

APPROVED

apatel

12/2/2019 10:09:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

100000

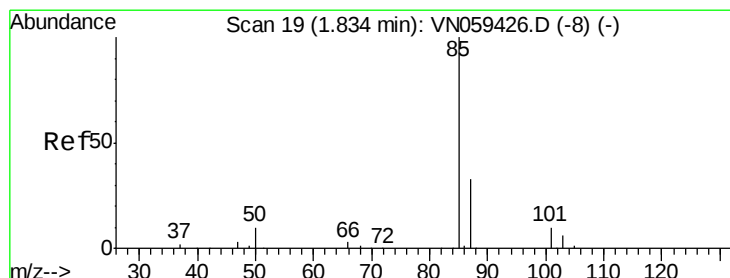
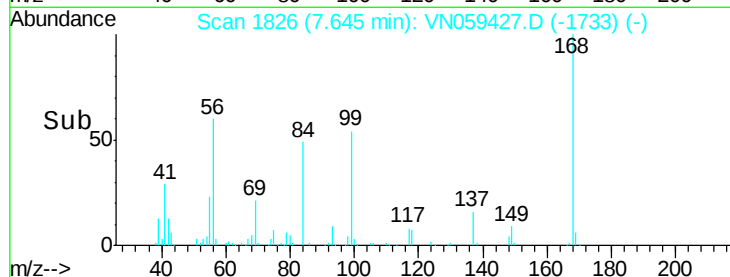
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.123 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059427.D

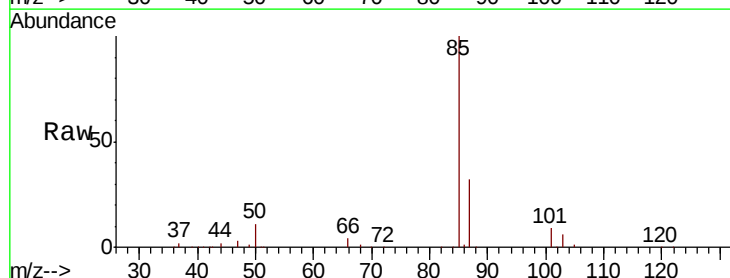
Acq: 27 Nov 2019 17:19

Tgt Ion: 85 Resp: 239451

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

100000

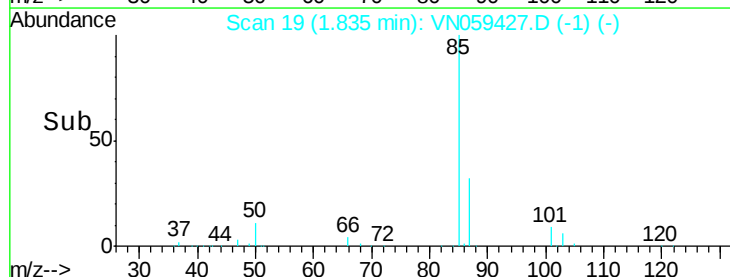
50000

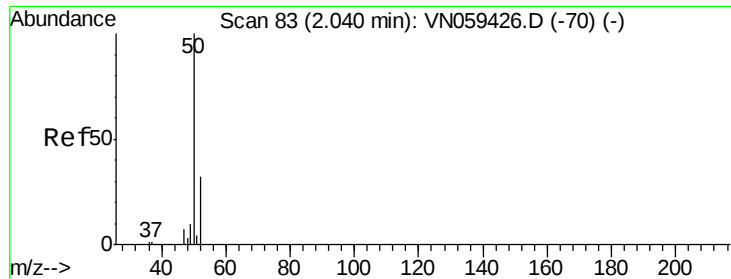
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 45.358 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion: 50 Resp: 275682

Ion Ratio Lower Upper

50 100

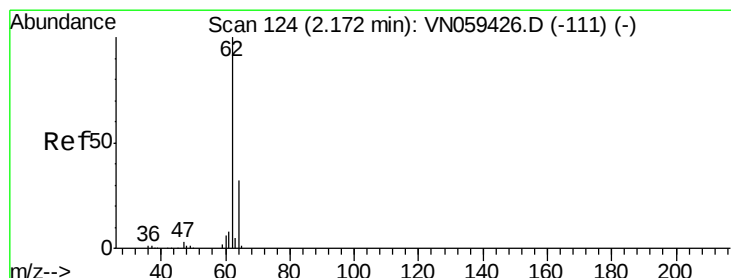
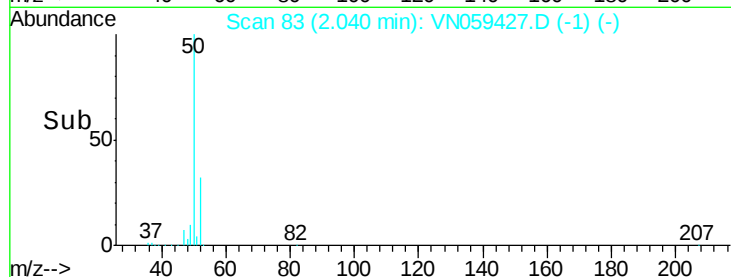
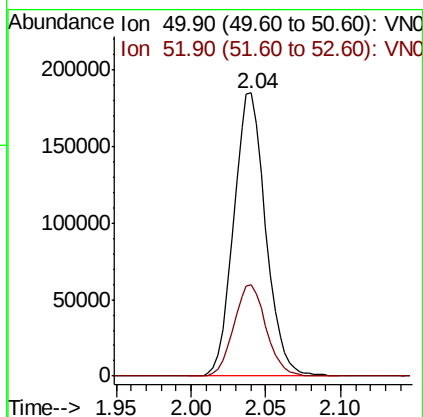
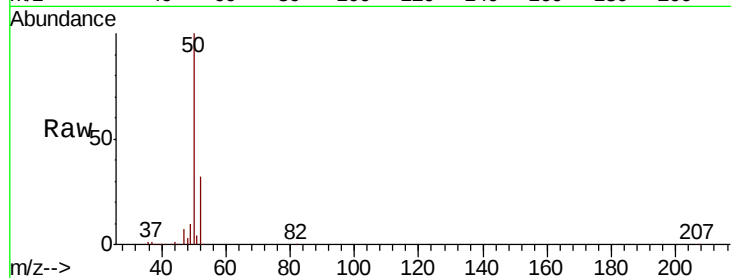
52 32.3 25.8 38.6

Manual Integrations

APPROVED

apatel

12/2/2019 10:09:08 AM



#4

Vinyl Chloride

Concen: 46.189 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059427.D

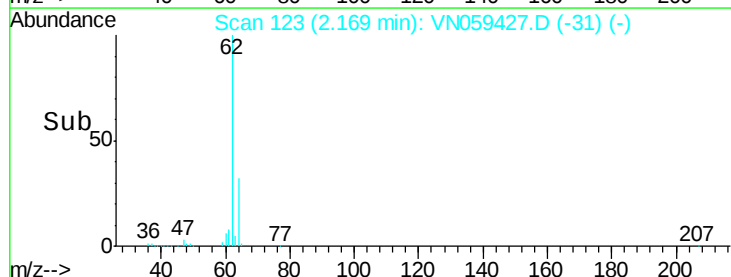
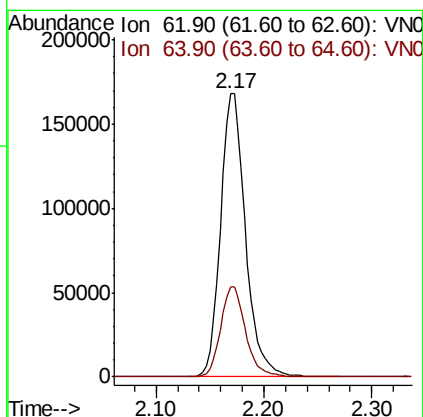
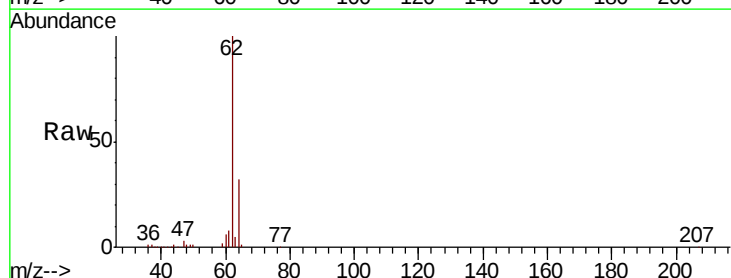
Acq: 27 Nov 2019 17:19

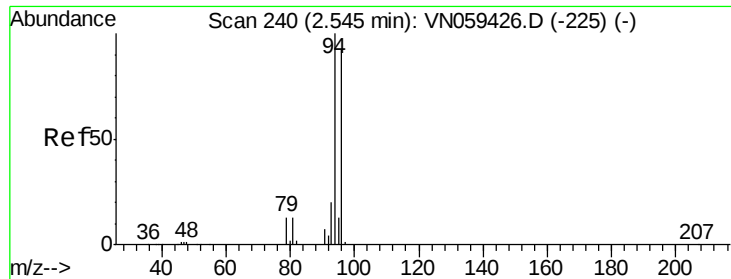
Tgt Ion: 62 Resp: 269776

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 45.140 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion: 94 Resp: 158737

Ion Ratio Lower Upper

94 100

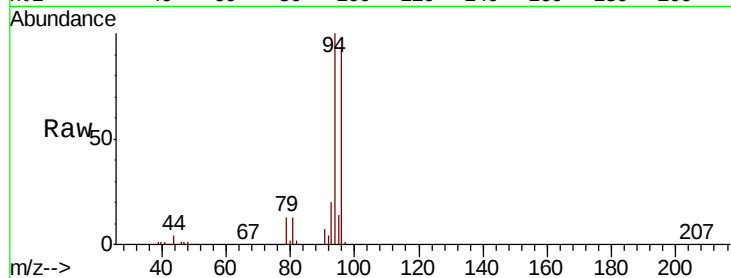
96 92.9 73.8 110.6

Manual Integrations

APPROVED

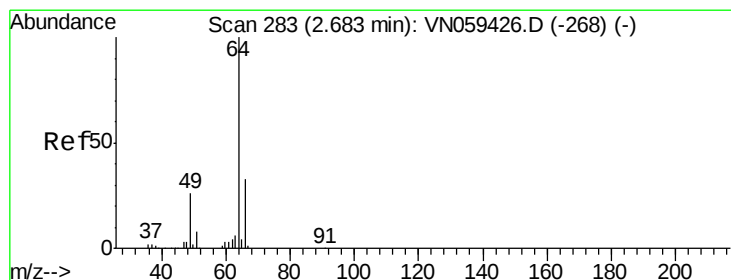
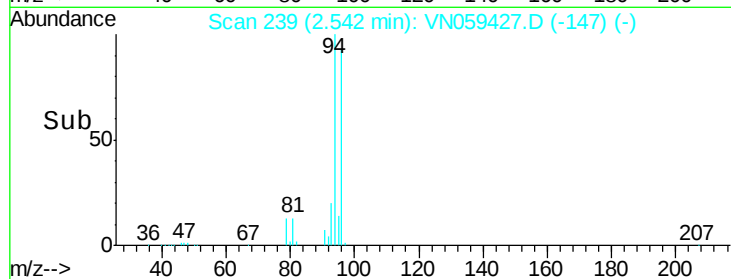
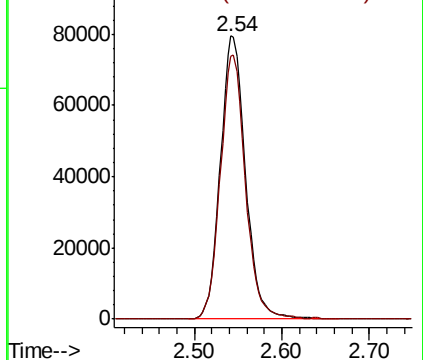
apatel

12/2/2019 10:09:08 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.658 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059427.D

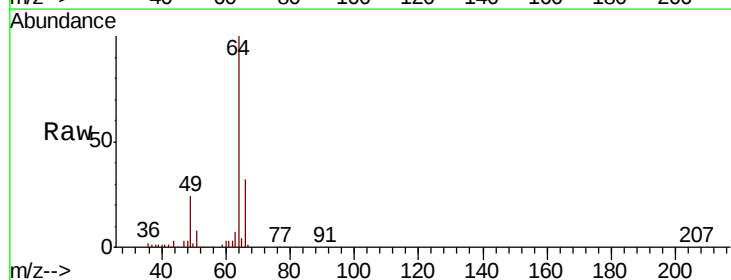
Acq: 27 Nov 2019 17:19

Tgt Ion: 64 Resp: 152795

Ion Ratio Lower Upper

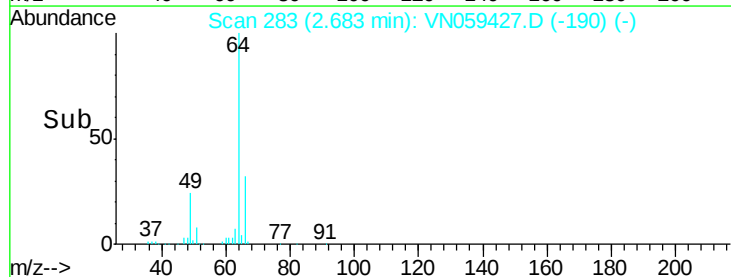
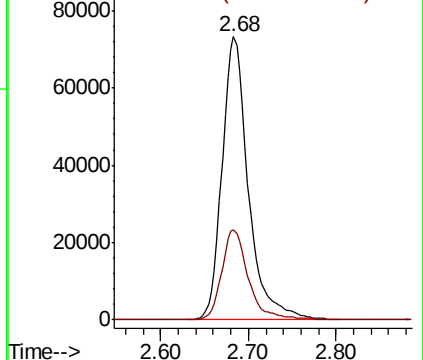
64 100

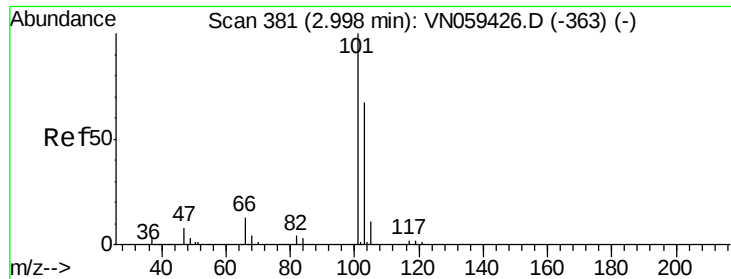
66 32.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

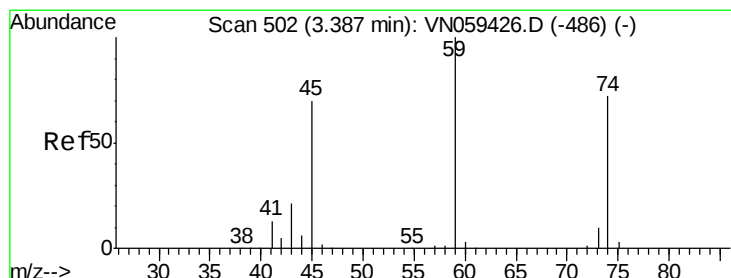
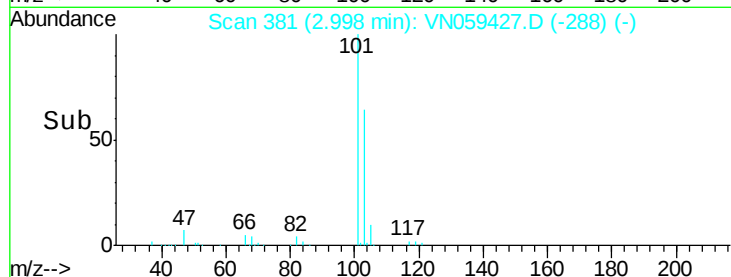
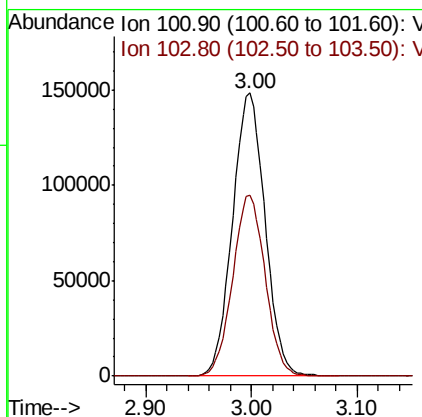
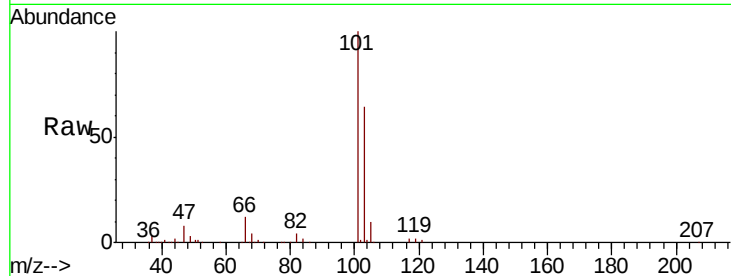
Trichlorofluoromethane
 Concen: 45.739 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.6	80.4

Manual Integrations
 APPROVED

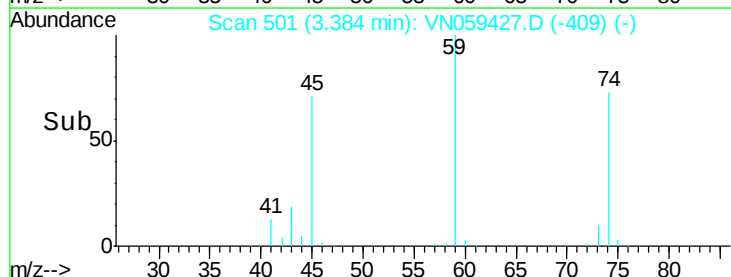
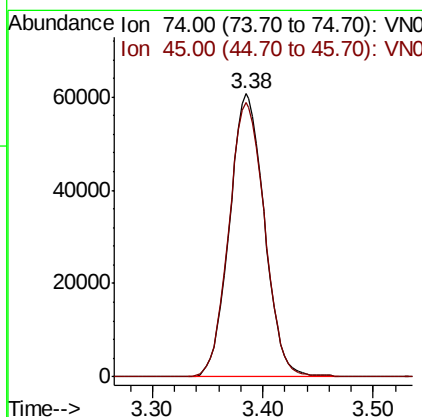
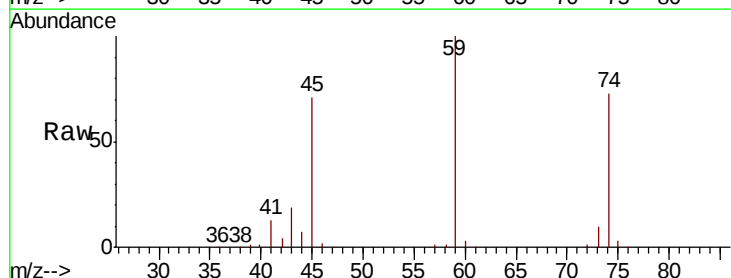
apatel
 12/2/2019 10:09:08 AM

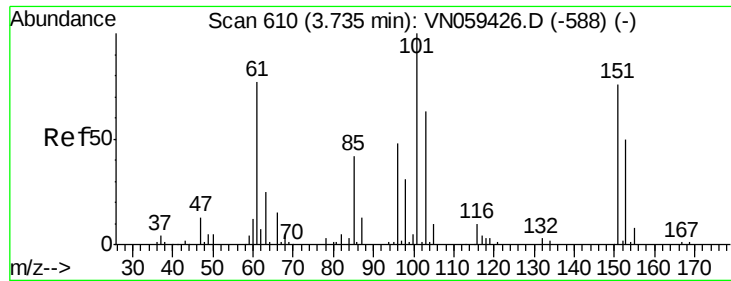


#8

Diethyl Ether
 Concen: 46.969 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.7	149.1





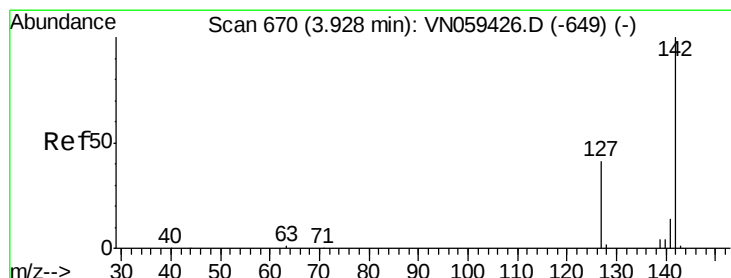
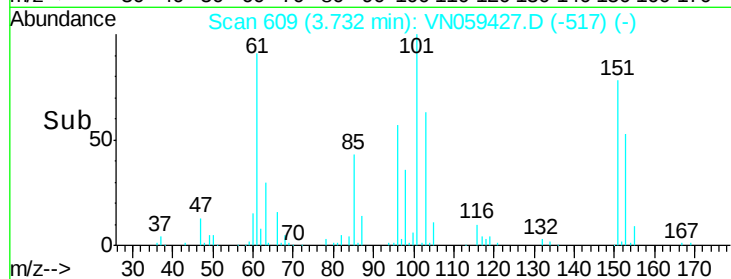
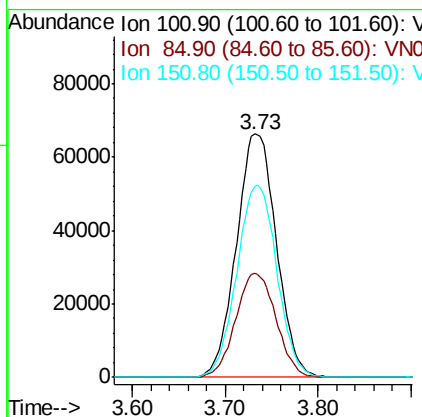
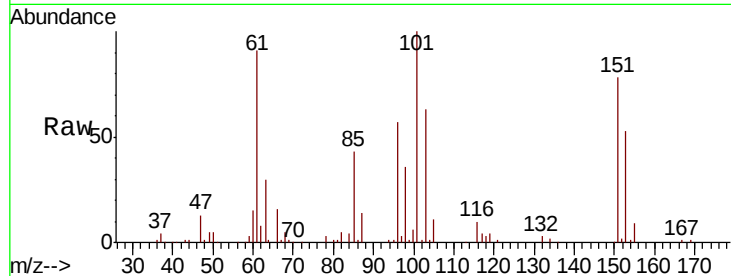
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.397 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Resp	Lower	Upper
101	100	198794		
85	43.0		34.2	51.2
151	79.1		62.6	93.8

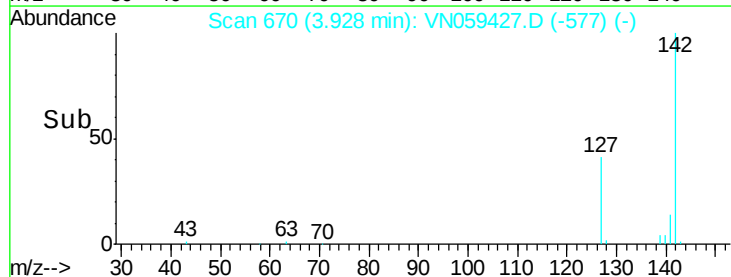
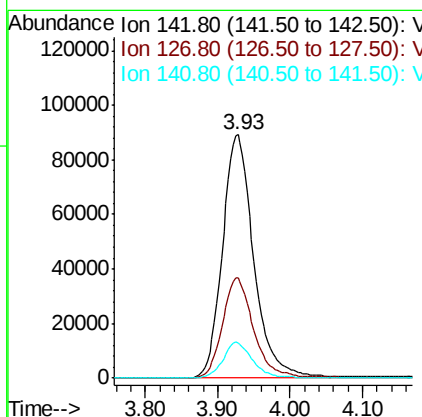
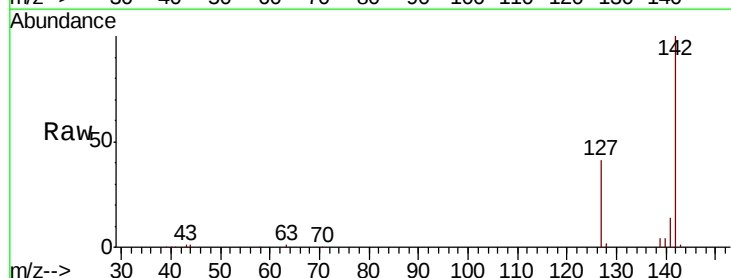
Manual Integrations
 APPROVED

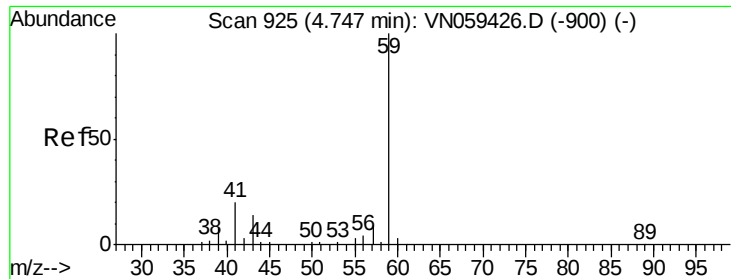
apatel
 12/2/2019 10:09:08 AM



#10
 Methyl Iodide
 Concen: 47.971 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	267528		
127	41.0		32.6	48.8
141	14.0		11.1	16.7





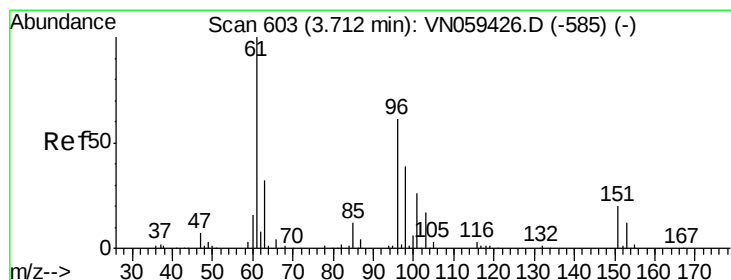
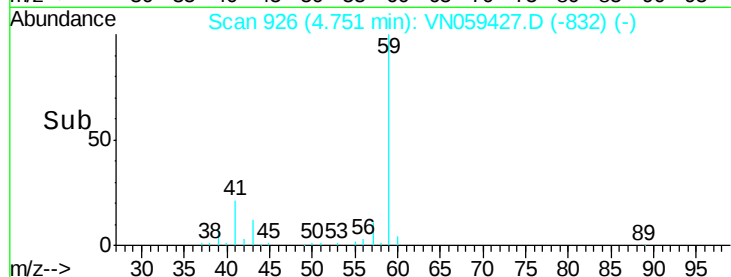
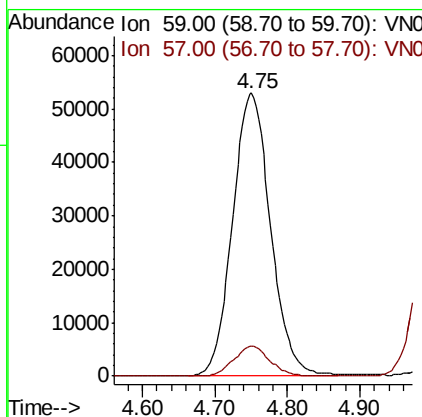
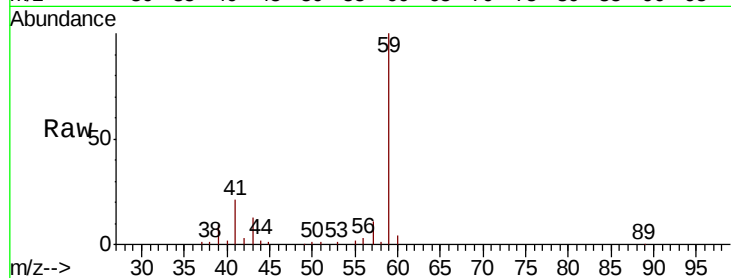
#11
Tert butyl alcohol
Concen: 225.315 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Resp	Lower	Upper
59	100	193296		
57	9.9		3.8	5.8#

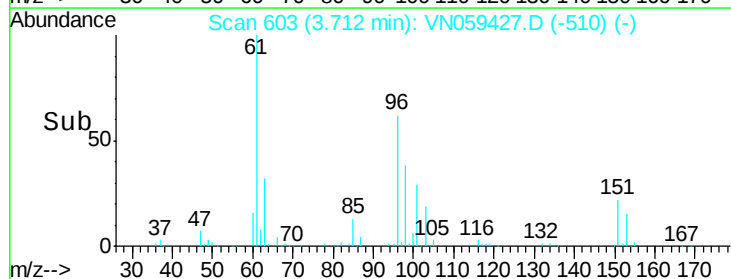
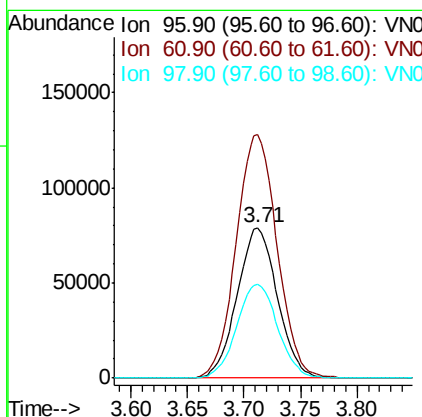
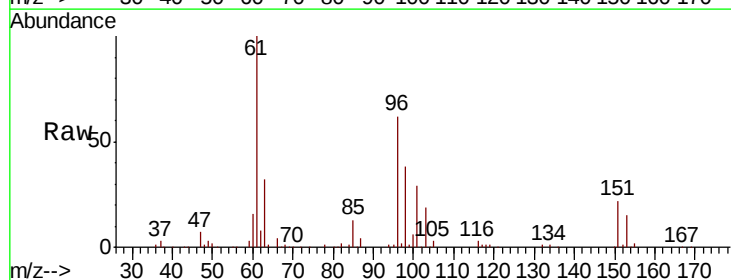
Manual Integrations
APPROVED

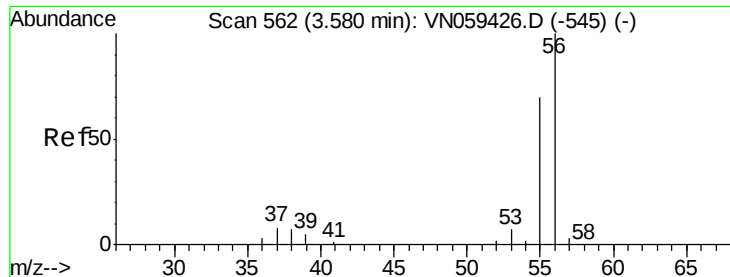
apatel
12/2/2019 10:09:08 AM



#12
1,1-Dichloroethene
Concen: 46.576 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	195434		
61	162.0		130.5	195.7
98	62.4		51.3	76.9





#13

Acrolein

Concen: 166.911 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion: 56 Resp: 139780

Ion Ratio Lower Upper

56 100

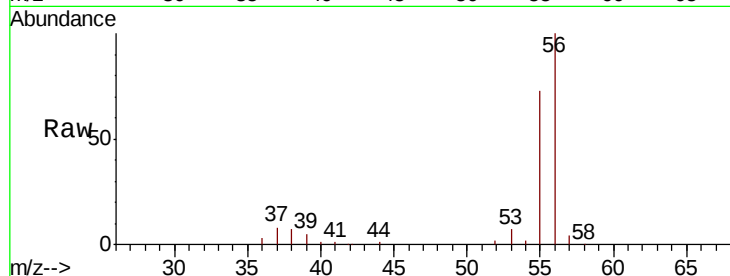
55 71.9 57.8 86.6

Manual Integrations

APPROVED

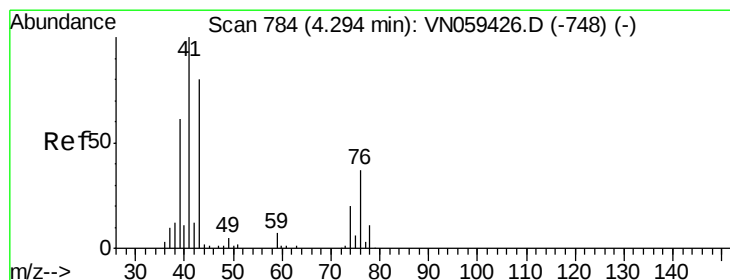
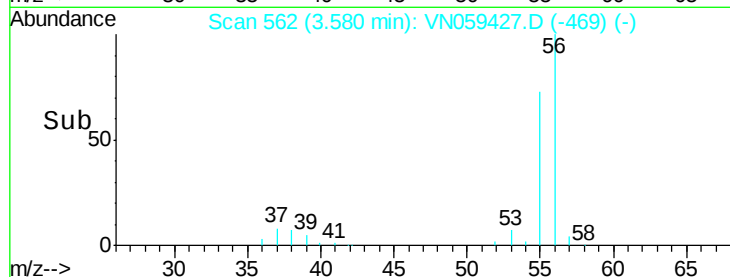
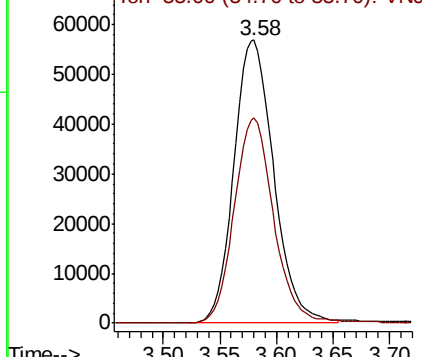
apatel

12/2/2019 10:09:08 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.559 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

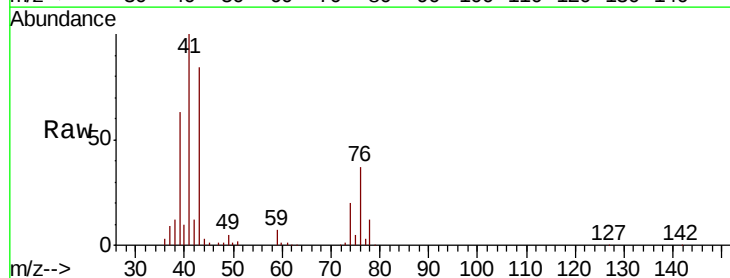
Tgt Ion: 41 Resp: 362335

Ion Ratio Lower Upper

41 100

39 58.7 46.5 69.7

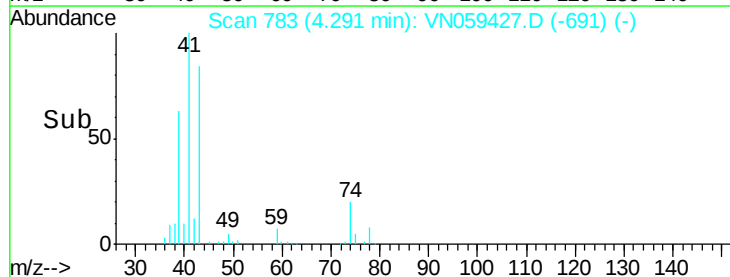
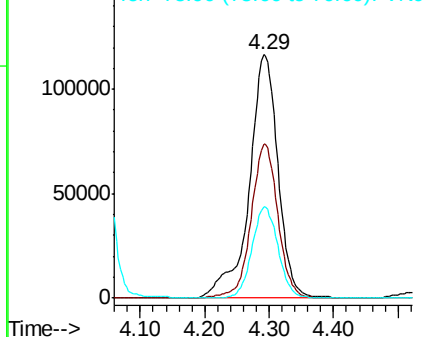
76 33.5 26.8 40.2

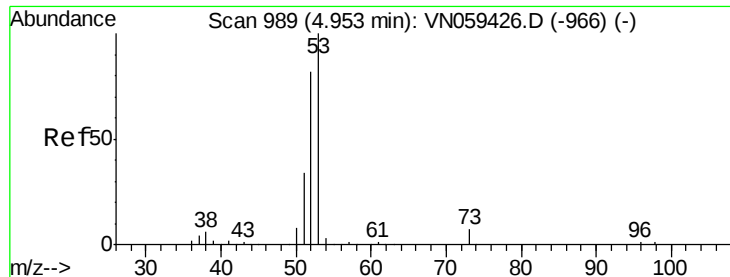


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 234.779 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

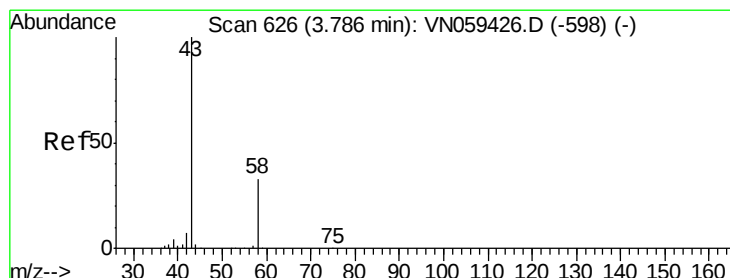
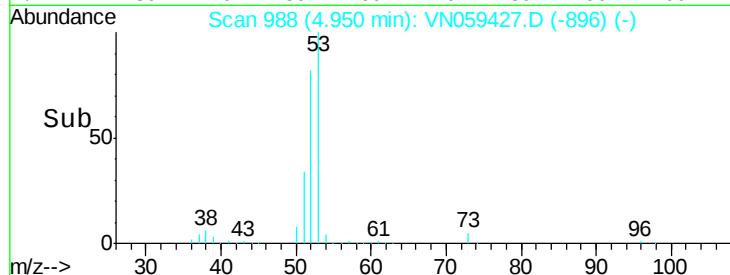
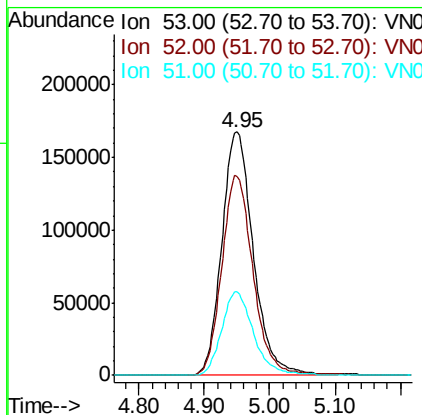
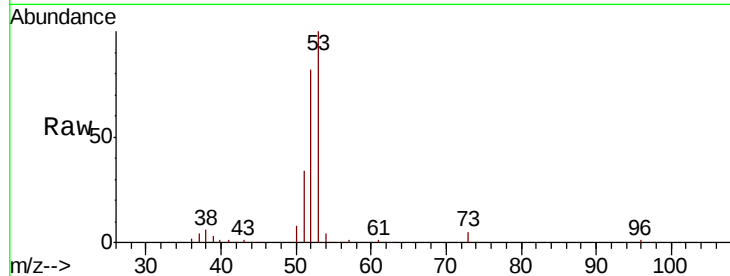
ClientSampleId :

ICVVN112719

Tot Ion:	53	Resp:	561246
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	34.9	27.8	41.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#16

Acetone

Concen: 244.122 ug/l

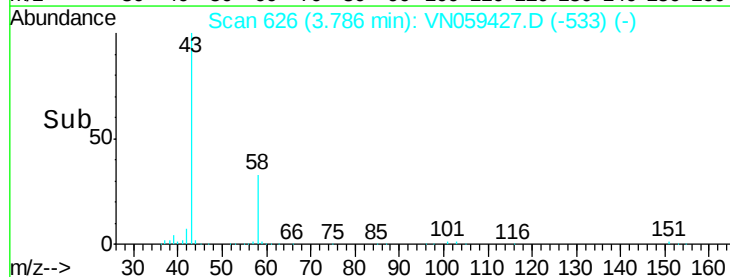
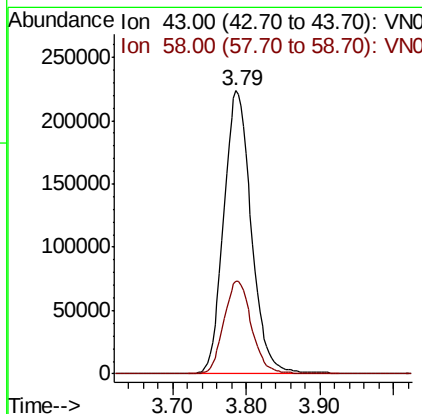
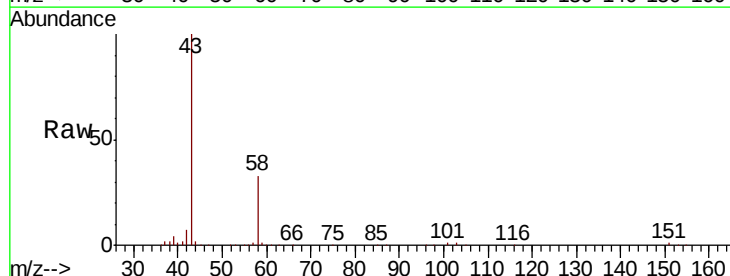
RT: 3.79 min Scan# 626

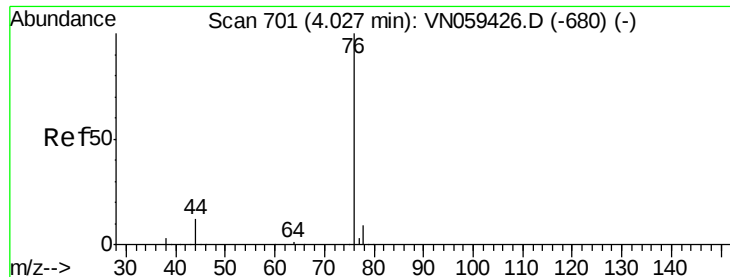
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	43	Resp:	575938
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.6	39.8





#17

Carbon Disulfide

Concen: 44.148 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion: 76 Resp: 635697

Ion Ratio Lower Upper

76 100

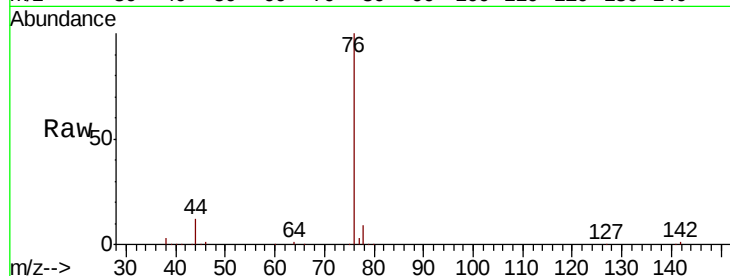
78 8.9 7.4 11.0

Manual Integrations

APPROVED

apatel

12/2/2019 10:09:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

250000

200000

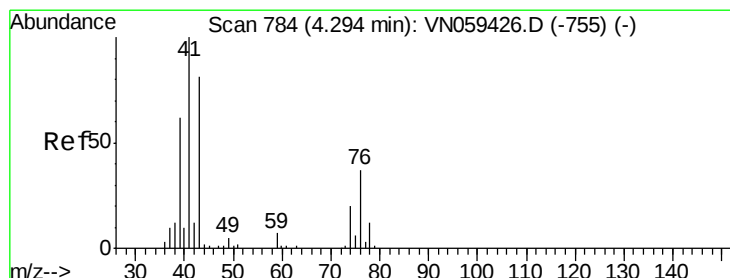
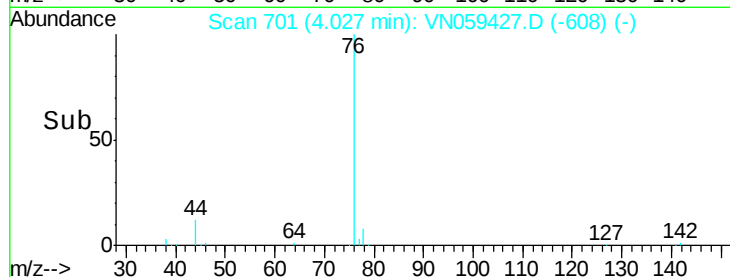
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.364 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059427.D

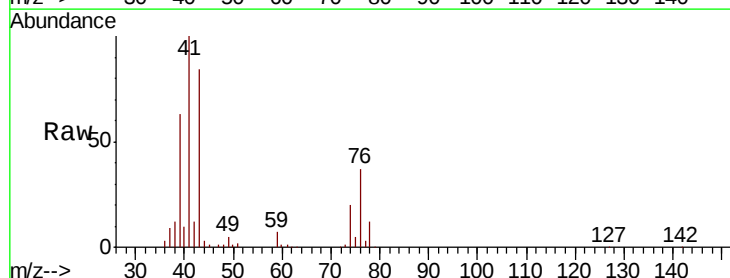
Acq: 27 Nov 2019 17:19

Tgt Ion: 43 Resp: 278599

Ion Ratio Lower Upper

43 100

74 24.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

100000

80000

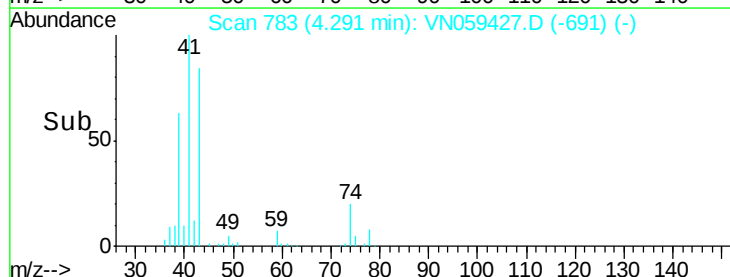
60000

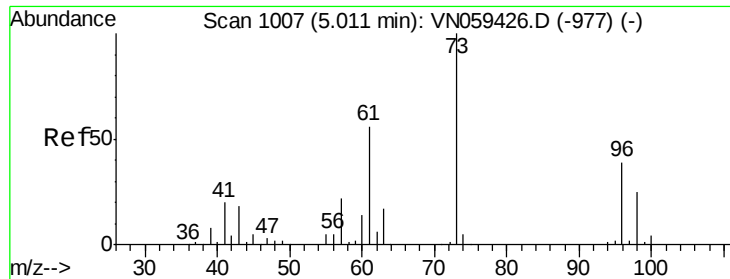
40000

20000

0

Time-->





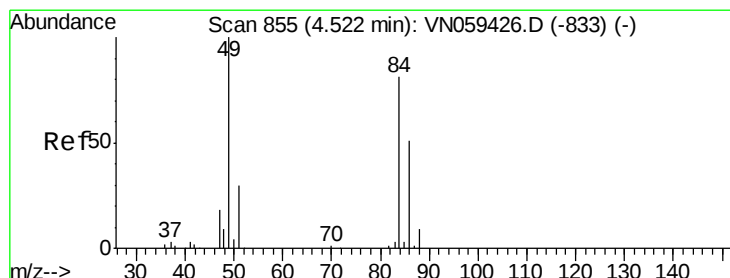
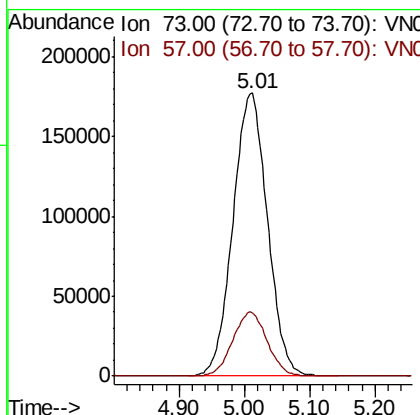
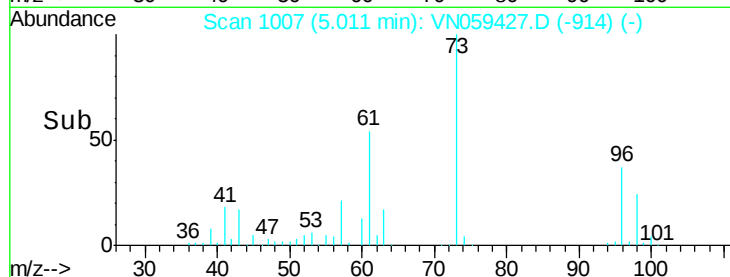
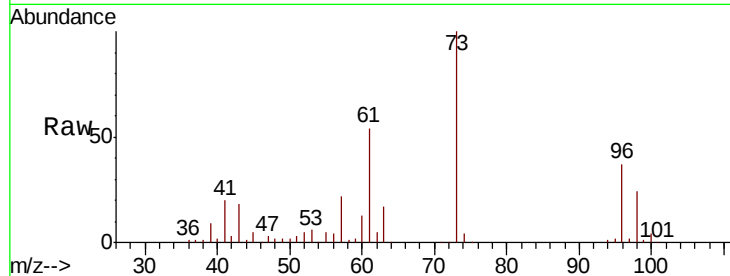
#19
Methvl tert-butvl Ether
Concen: 48.059 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion: 73 Resp: 649824
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

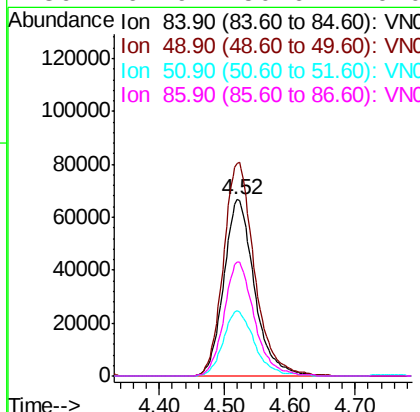
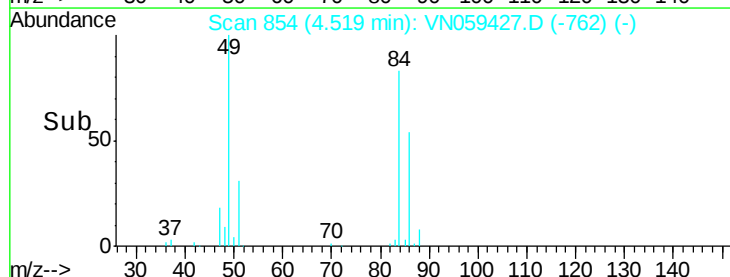
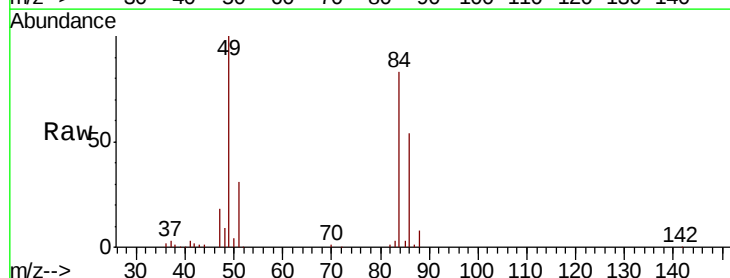
Manual Integrations
APPROVED

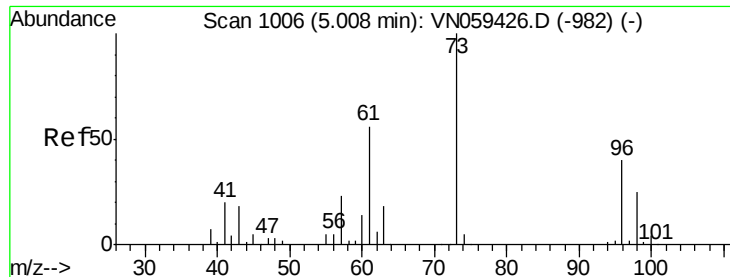
apatel
12/2/2019 10:09:08 AM



#20
Methylene Chloride
Concen: 45.375 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 84 Resp: 217517
Ion Ratio Lower Upper
84 100
49 120.7 98.6 148.0
51 37.0 29.4 44.0
86 64.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.707 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

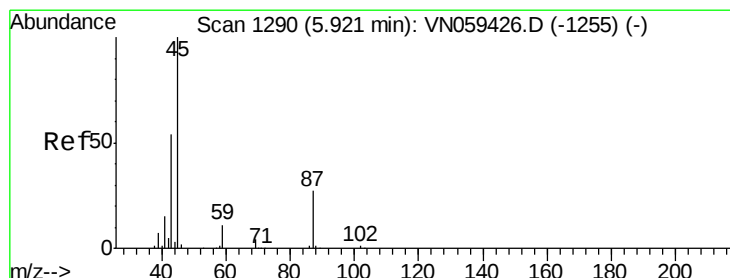
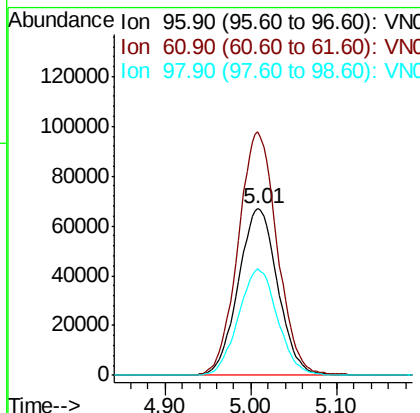
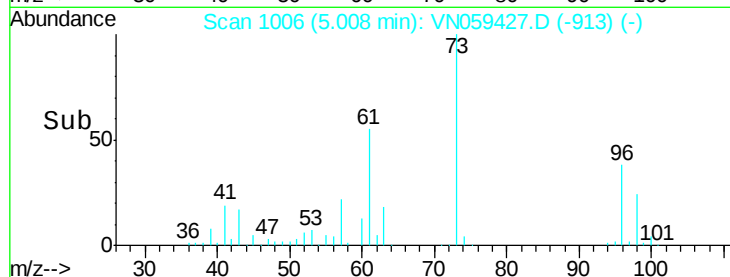
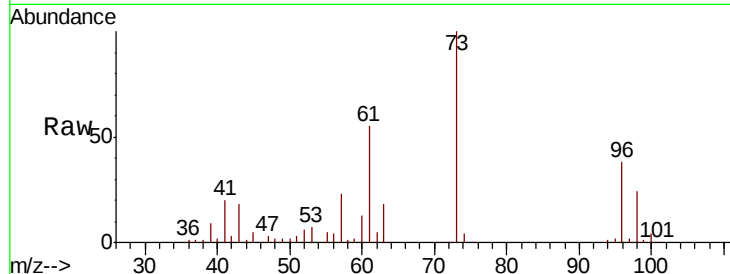
ClientSampleId :

ICVFN112719

Tot Ion:	96	Resp:	213527
Ion	Ratio	Lower	Upper
96	100		
61	146.1	114.0	171.0
98	63.7	50.5	75.7

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#22

Diisopropyl ether

Concen: 47.870 ug/l

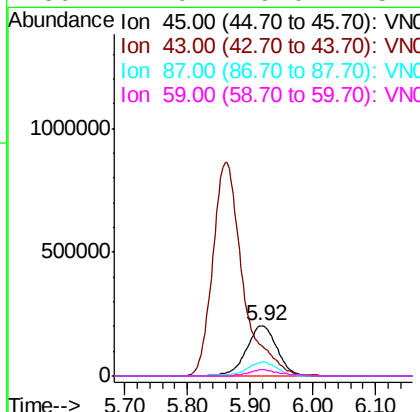
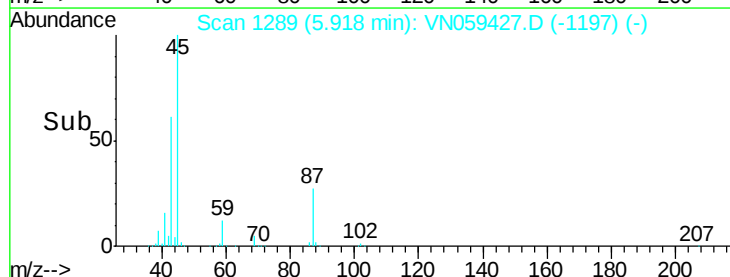
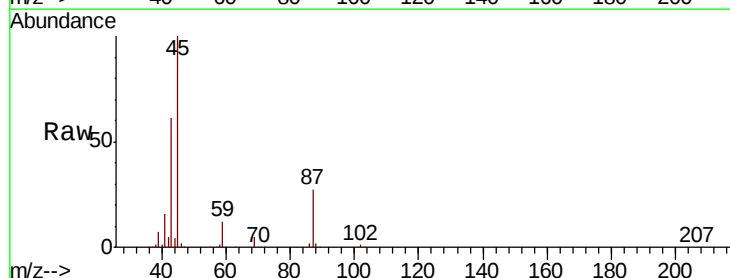
RT: 5.92 min Scan# 1289

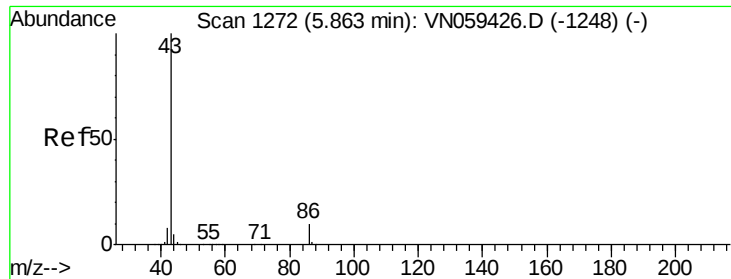
Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	45	Resp:	692294
Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.3	69.5
87	26.9	21.8	32.6
59	12.0	9.0	13.4





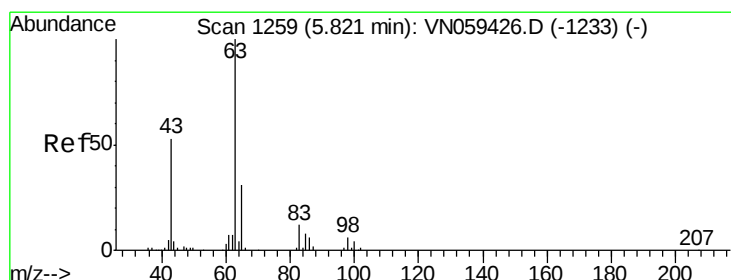
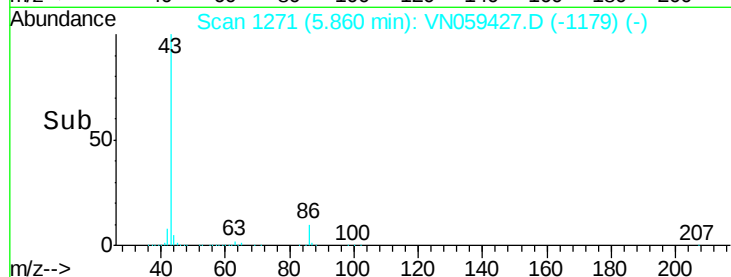
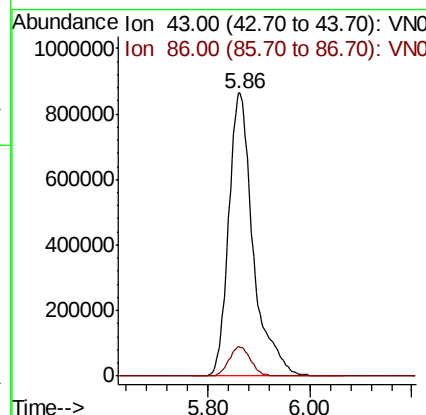
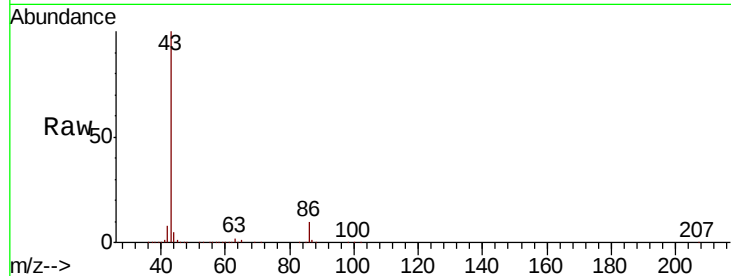
#23
 Vinyl Acetate
 Concen: 246.850 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN112719

Tot Ion: 43 Resp: 2880056
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.2 12.4

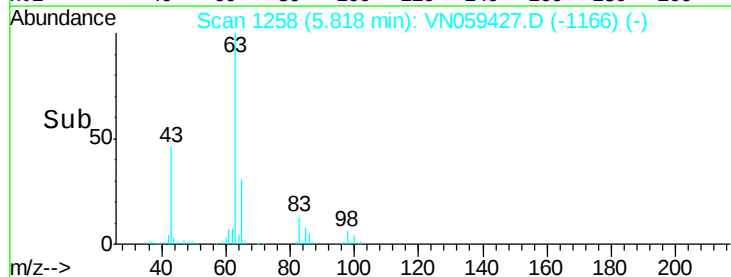
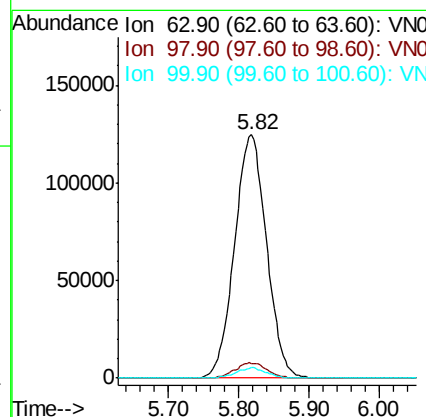
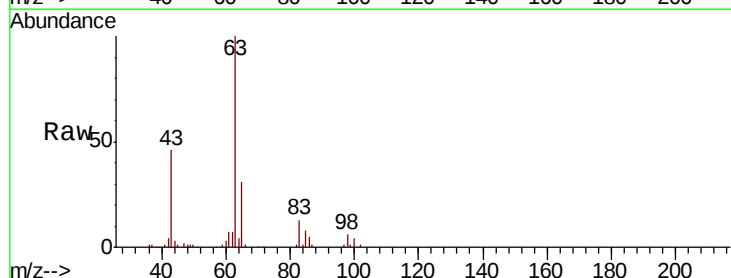
Manual Integrations
 APPROVED

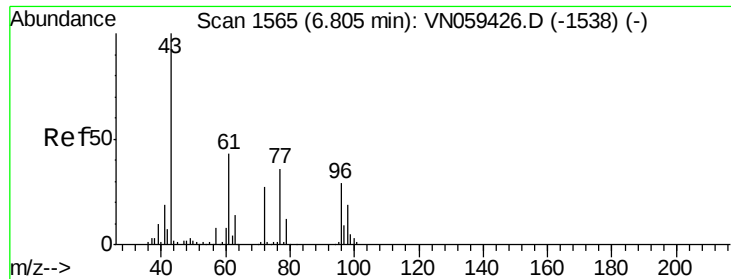
apatel
 12/2/2019 10:09:08 AM



#24
 1,1-Dichloroethane
 Concen: 47.392 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion: 63 Resp: 394335
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.2 9.6
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 239.691 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion: 43 Resp: 777931

Ion Ratio Lower Upper

43 100

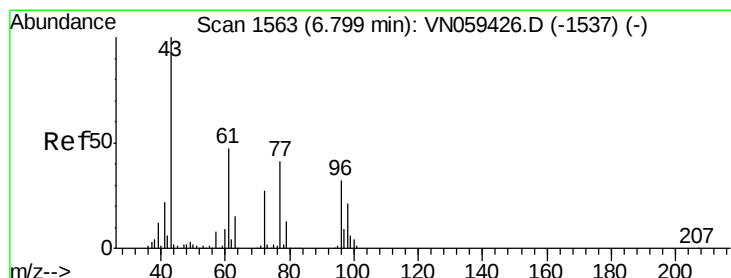
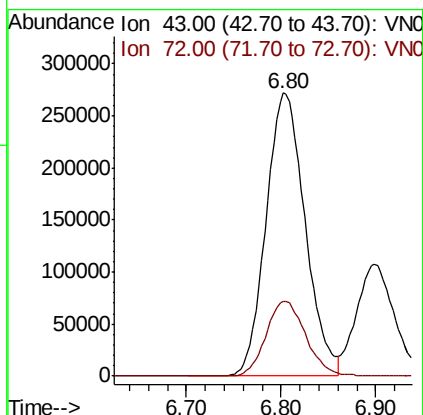
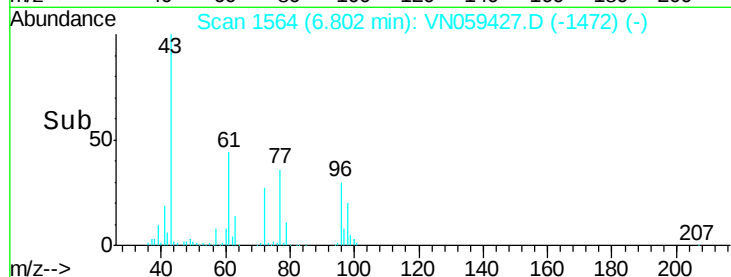
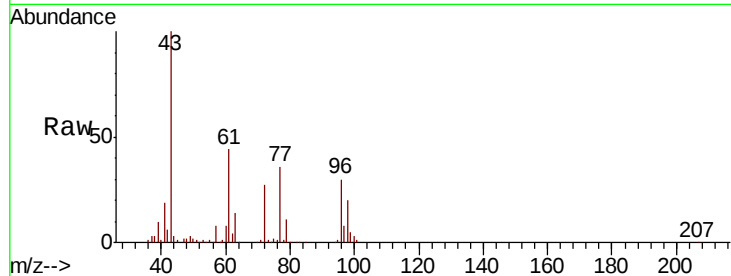
72 26.6 21.4 32.2

Manual Integrations

APPROVED

apatel

12/2/2019 10:09:08 AM



#26

2,2-Dichloropropane

Concen: 47.291 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059427.D

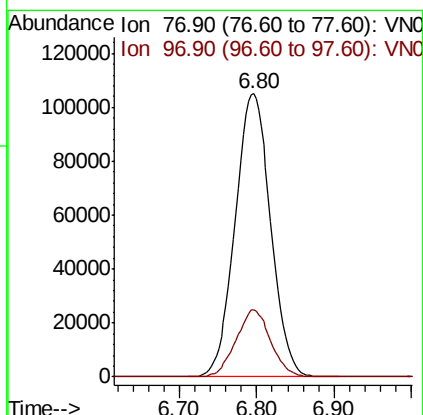
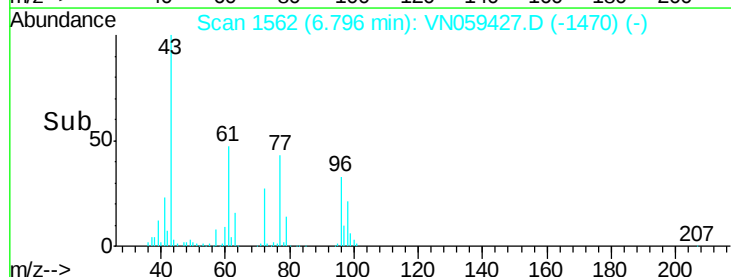
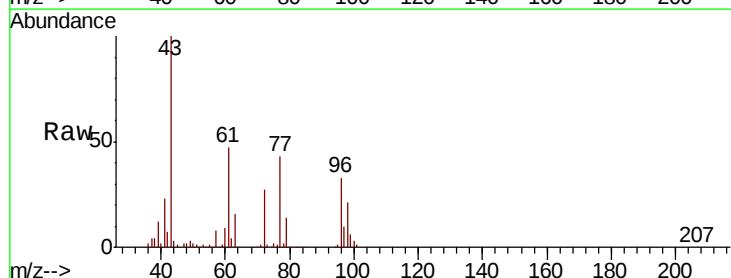
Acq: 27 Nov 2019 17:19

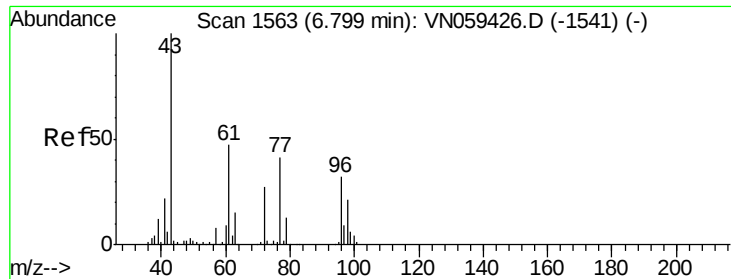
Tgt Ion: 77 Resp: 334872

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 47.278 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

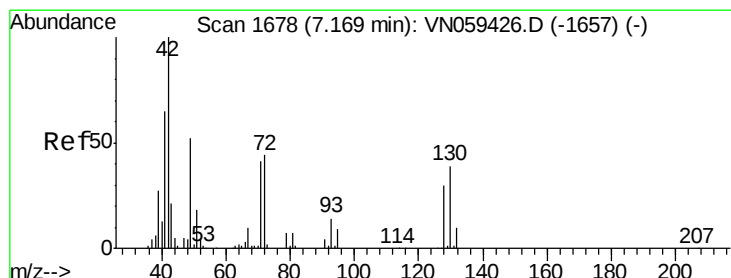
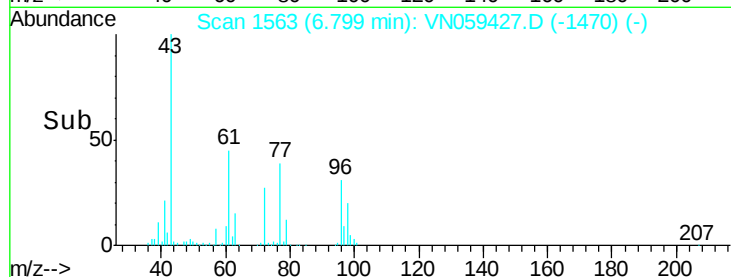
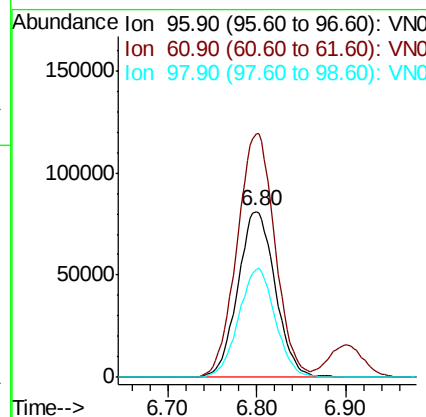
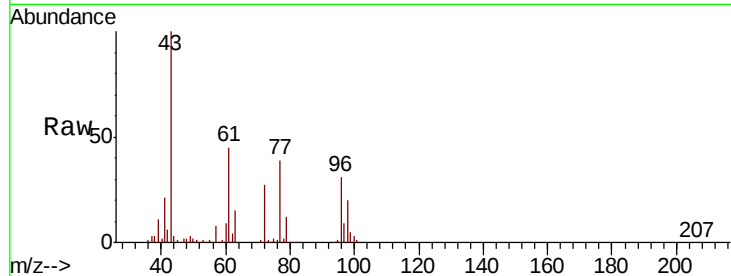
ClientSampleId :

ICVVN112719

Tot Ion:	96	Resp:	236387
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	297.6
98	64.2	0.0	130.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#28

Bromochloromethane

Concen: 40.367 ug/l

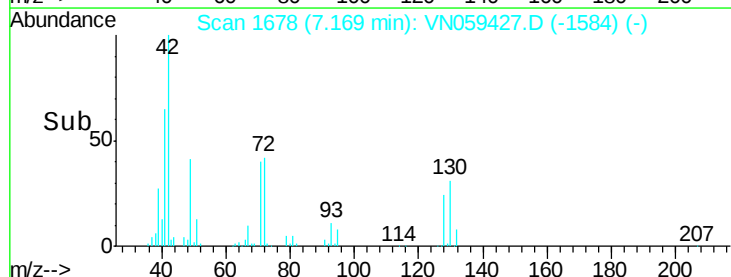
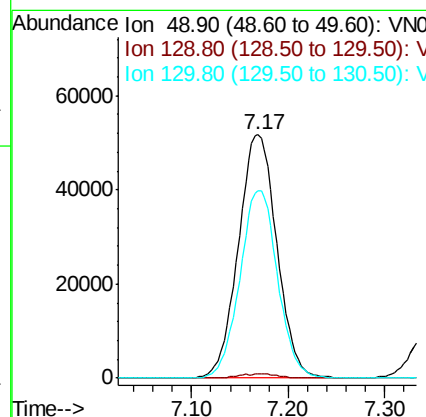
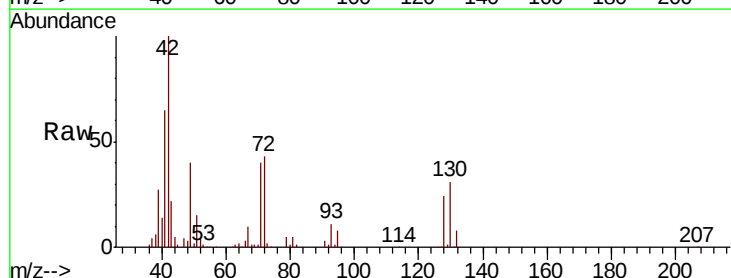
RT: 7.17 min Scan# 1678

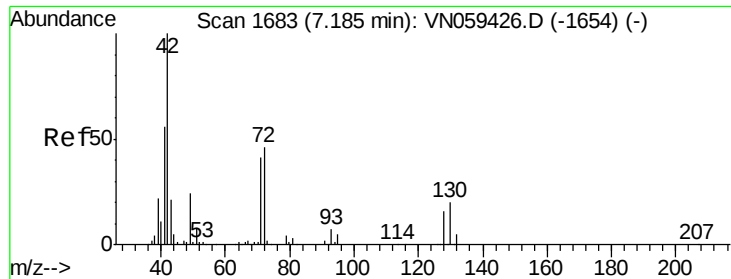
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	49	Resp:	142808
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	75.8	60.5	90.7





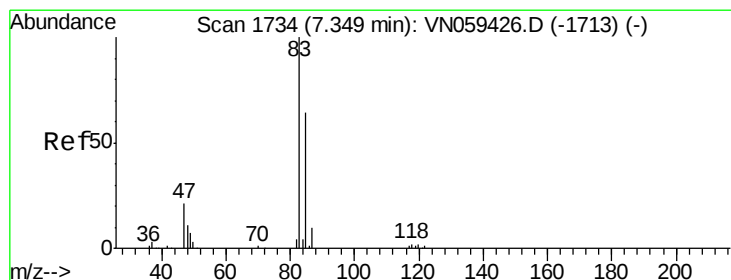
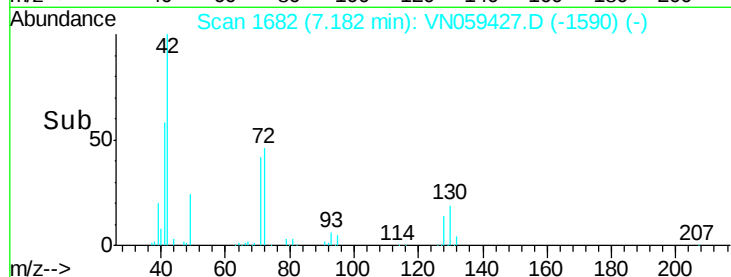
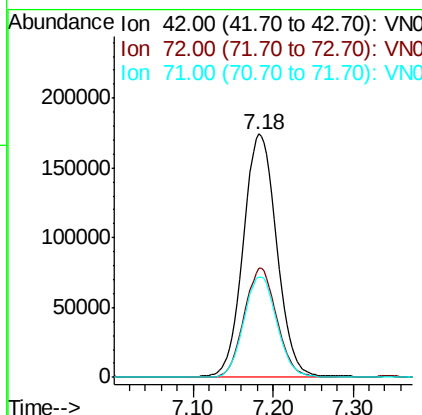
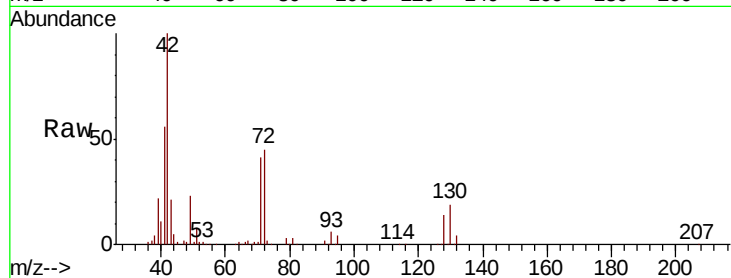
#29
Tetrahydrofuran
Concen: 229.478 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.6	51.8
71	40.7	33.0	49.6

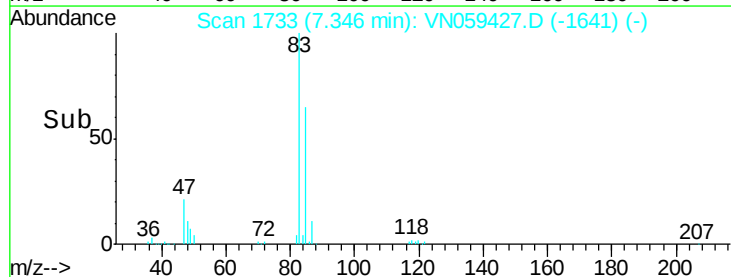
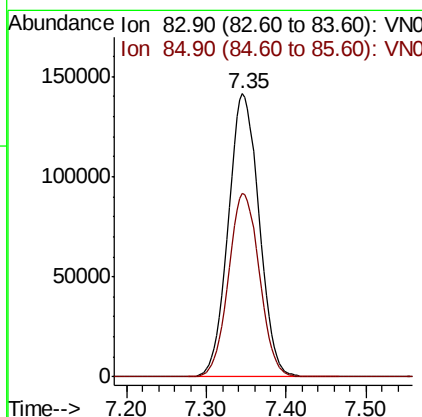
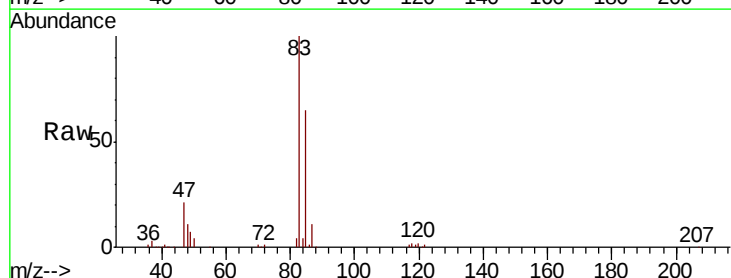
Manual Integrations
APPROVED

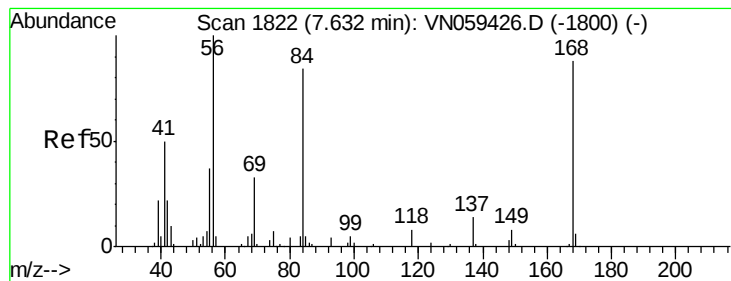
apatel
12/2/2019 10:09:08 AM



#30
Chloroform
Concen: 44.090 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4





#31

Cyclohexane

Concen: 44.962 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

ICVVN112719

Tot Ion: 56 Resp: 375047

Ion Ratio Lower Upper

56 100

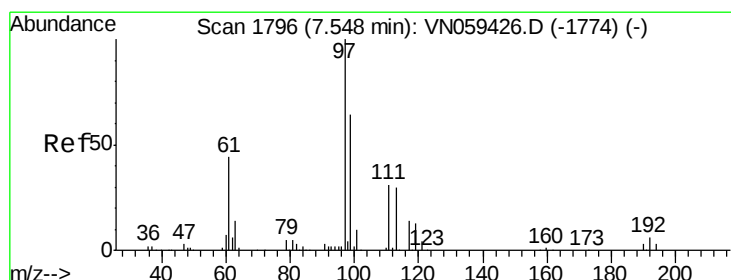
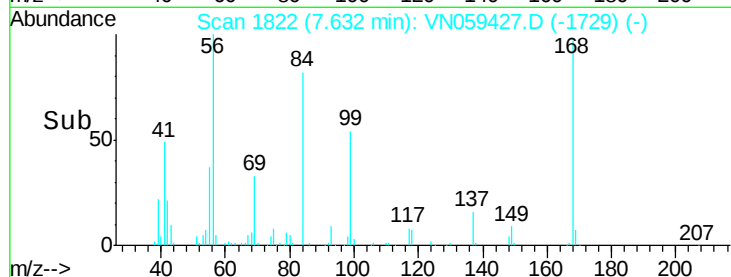
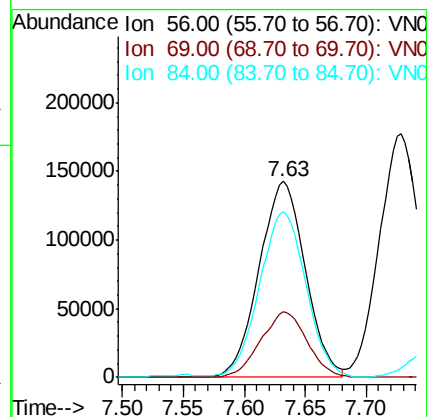
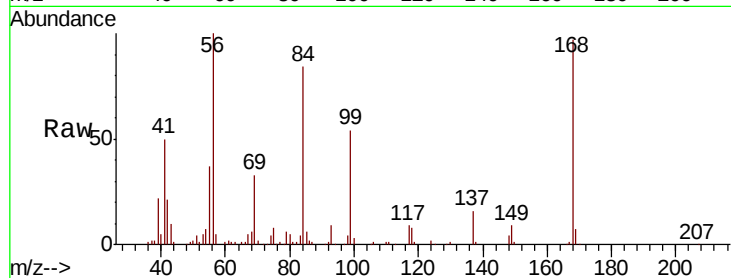
69 33.4 26.4 39.6

84 83.2 67.0 100.6

Manual Integrations
APPROVED

apatel

12/2/2019 10:09:08 AM



#32

1,1,1-Trichloroethane

Concen: 47.099 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

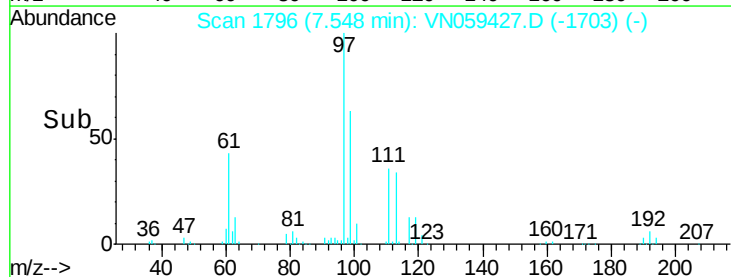
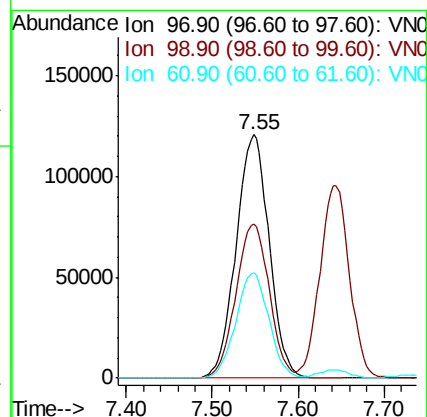
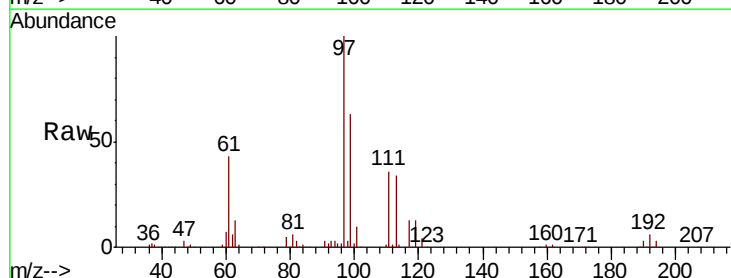
Tgt Ion: 97 Resp: 322505

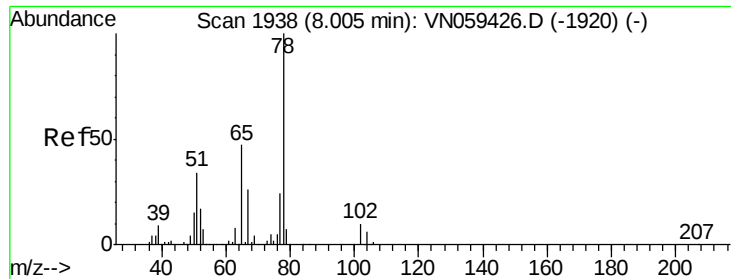
Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 43.3 34.3 51.5





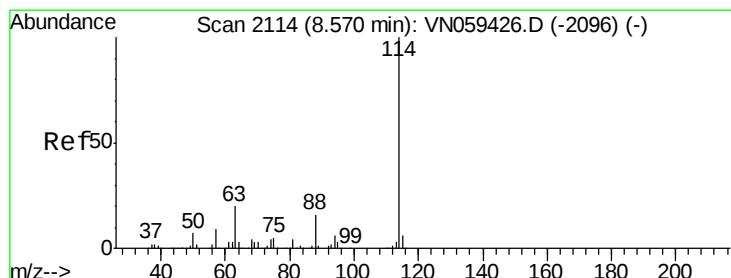
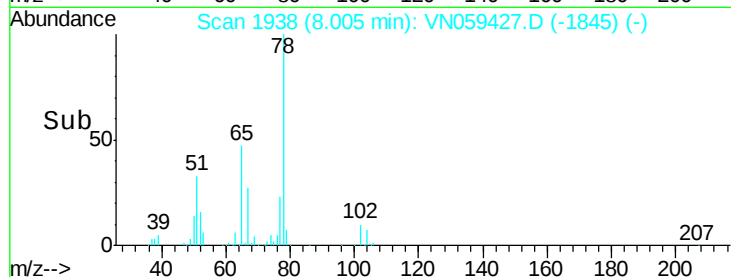
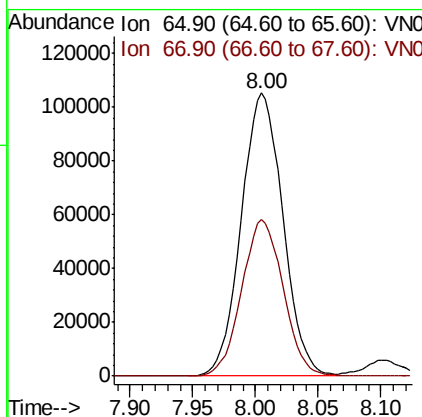
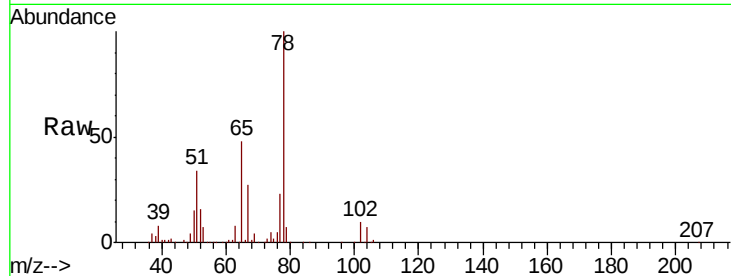
#33
 1,2-Dichloroethane-d4
 Concen: 49.193 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243614		
67	55.3	0.0	111.2	

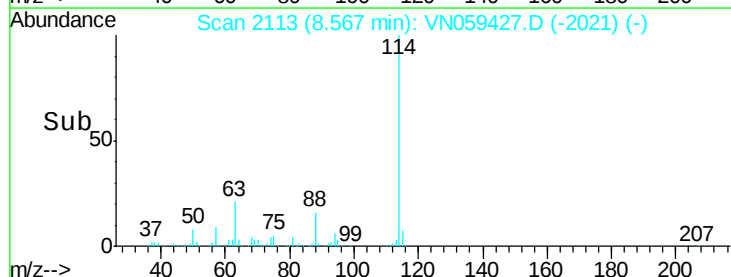
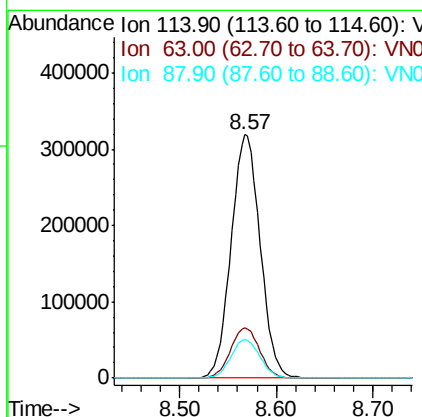
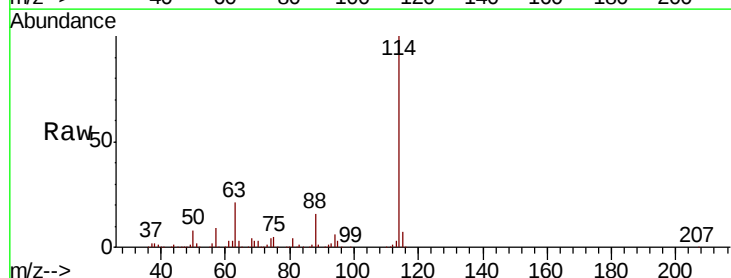
Manual Integrations
 APPROVED

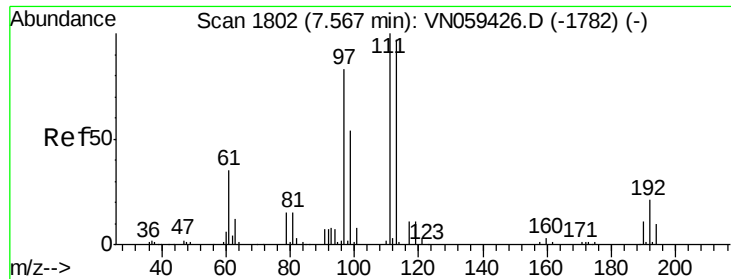
apatel
 12/2/2019 10:09:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	665134		
63	20.6	0.0	40.4	
88	15.8	0.0	32.2	





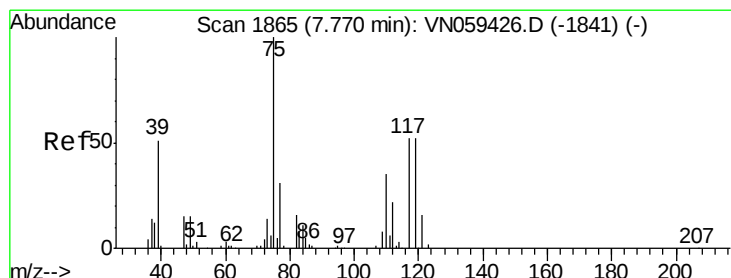
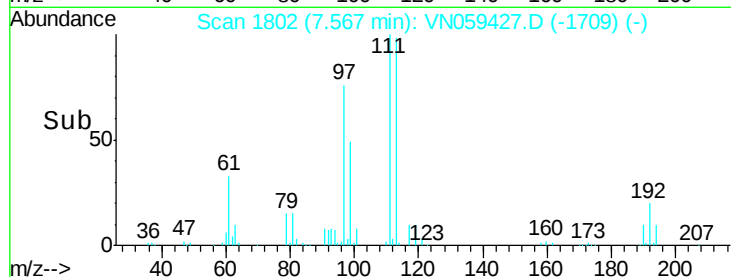
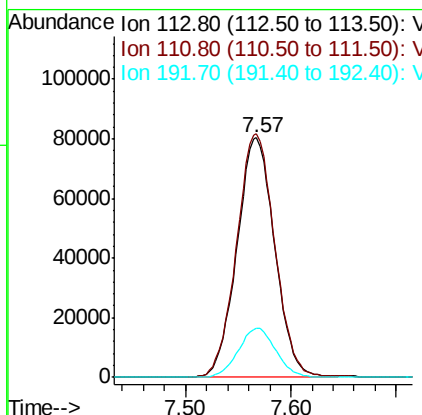
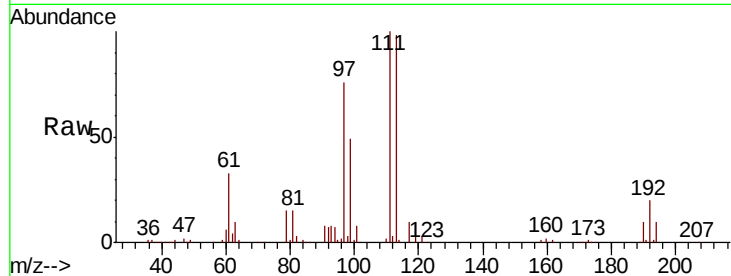
#35
 Dibromofluoromethane
 Concen: 49.393 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200115		
111	103.0	81.9	122.9	
192	20.4	16.6	24.8	

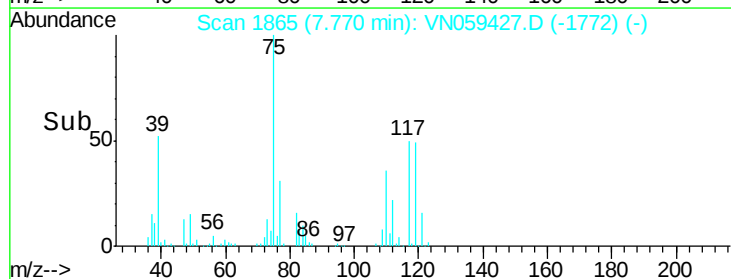
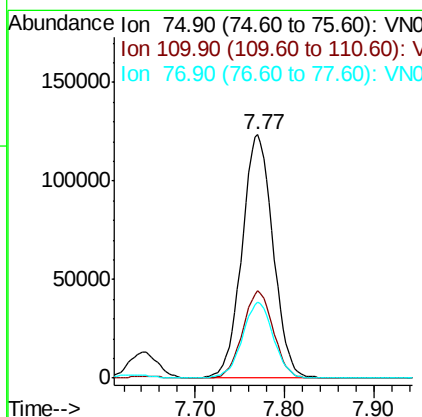
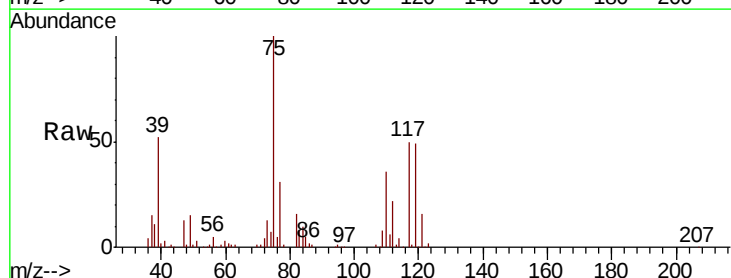
Manual Integrations
 APPROVED

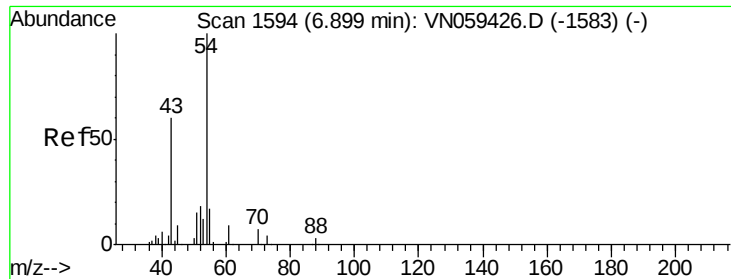
apatel
 12/2/2019 10:09:08 AM



#36
 1,1-Dichloropropene
 Concen: 46.836 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299572		
110	35.0	17.3	52.0	
77	31.0	24.9	37.3	





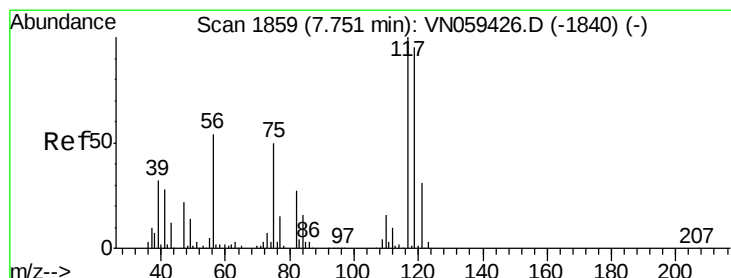
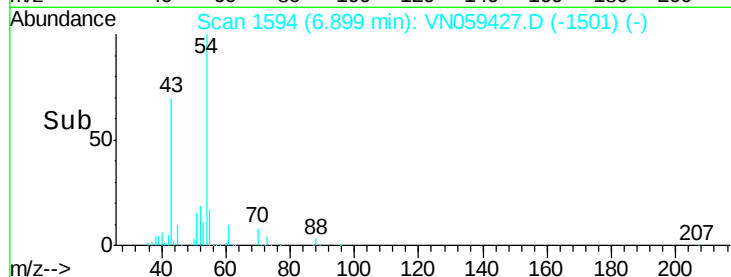
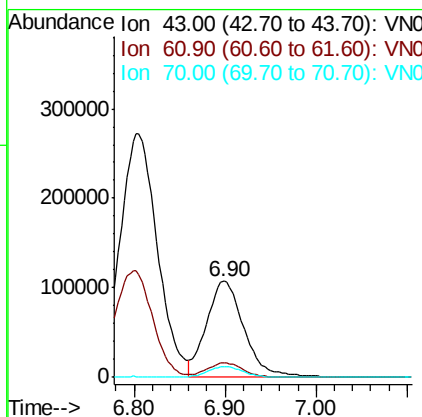
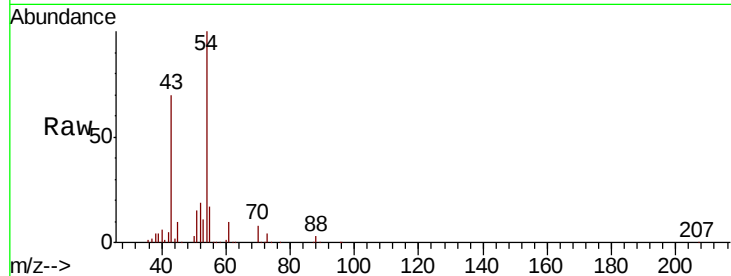
#37
Ethyl Acetate
Concen: 44.966 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	10.7	8.8	13.2

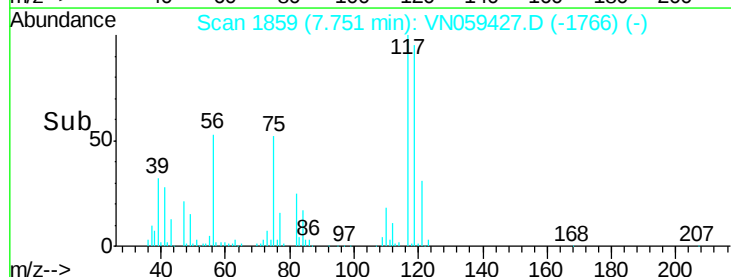
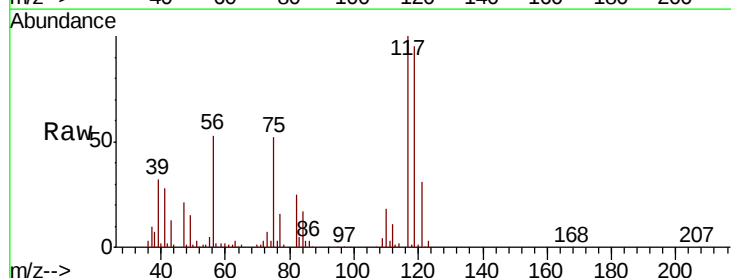
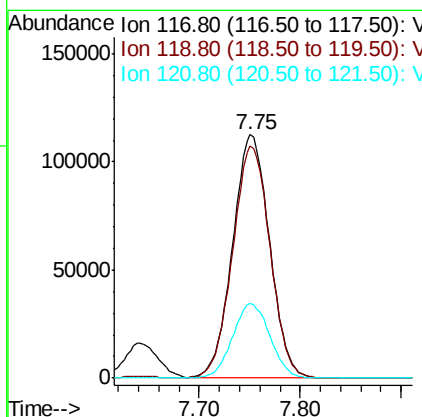
Manual Integrations
APPROVED

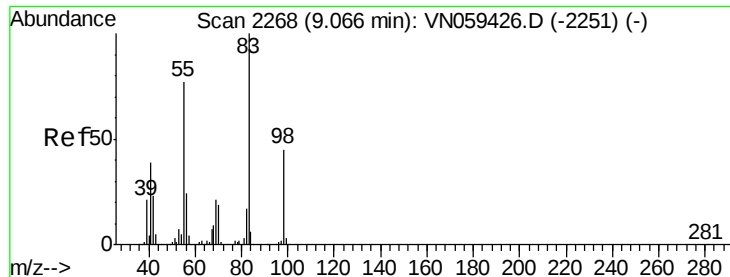
apatel
12/2/2019 10:09:08 AM



#38
Carbon Tetrachloride
Concen: 47.449 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.9	113.9
121	30.7	24.6	36.8





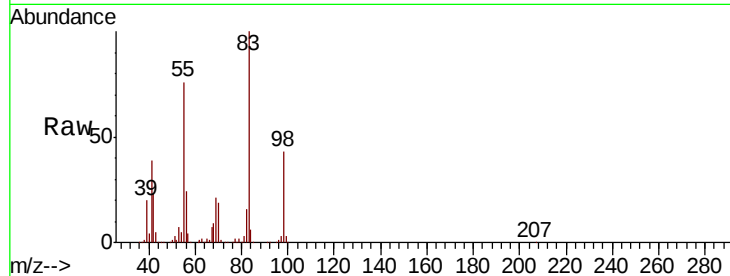
#39
Methvlcvclohexane
Concen: 48.647 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

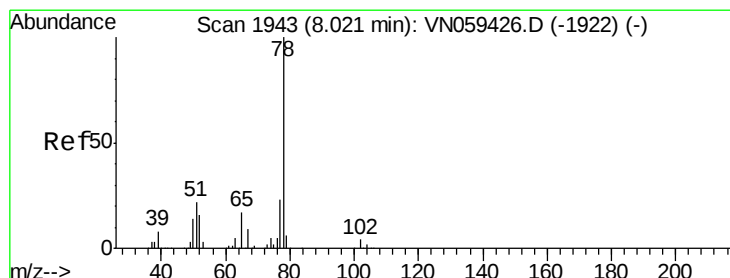
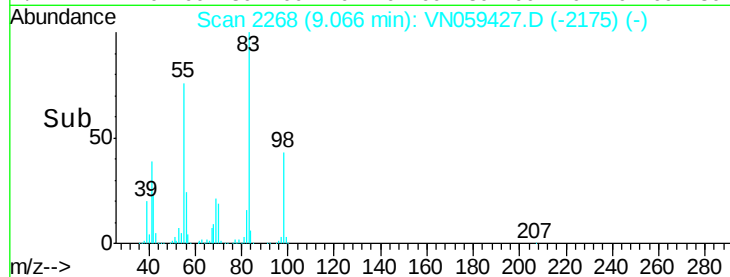
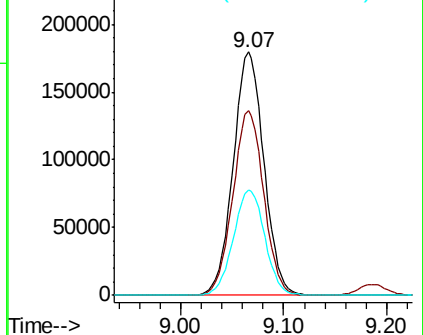
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.6	92.4
98	43.0	35.7	53.5

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM

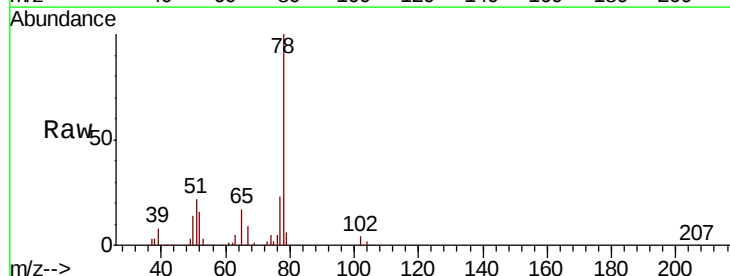


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

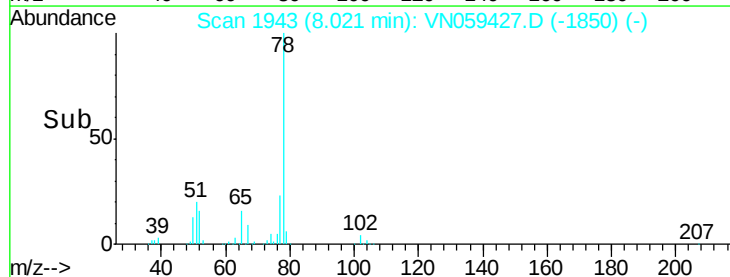
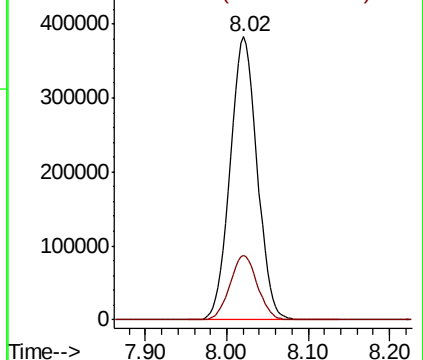


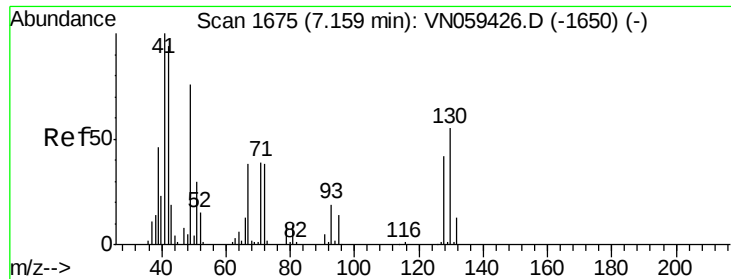
#40
Benzene
Concen: 46.661 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5



Abundance Ion 78.00 (77.70 to 78.70): VNC
Ion 77.00 (76.70 to 77.70): VNC





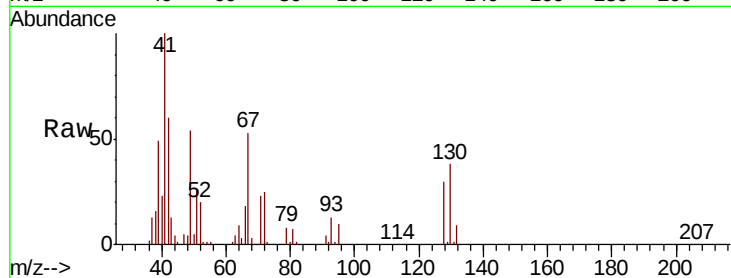
#41
Methacrylonitrile
Concen: 43.859 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
ICVVN112719

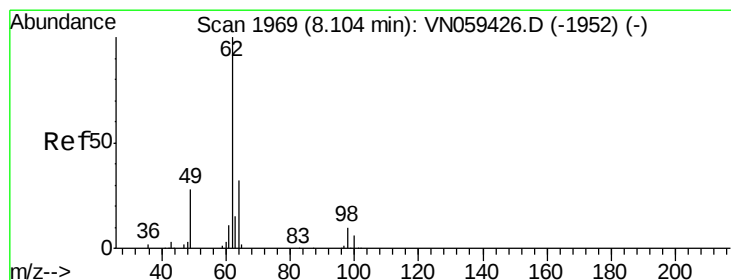
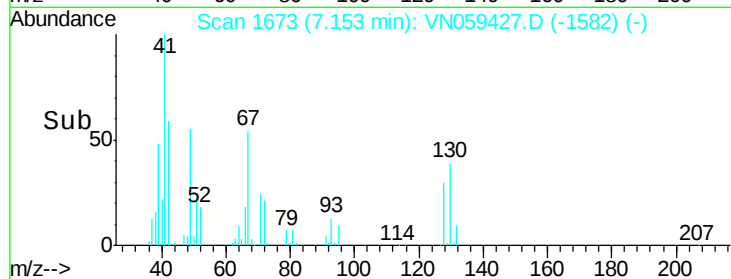
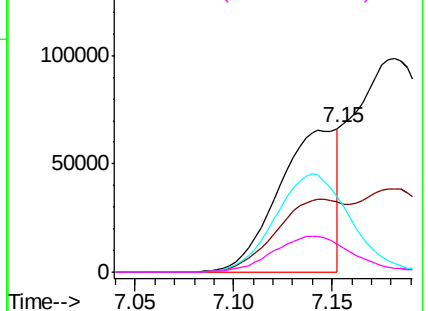
Tot Ion	Ratio	Resp	Lower	Upper
41	100	138205		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM

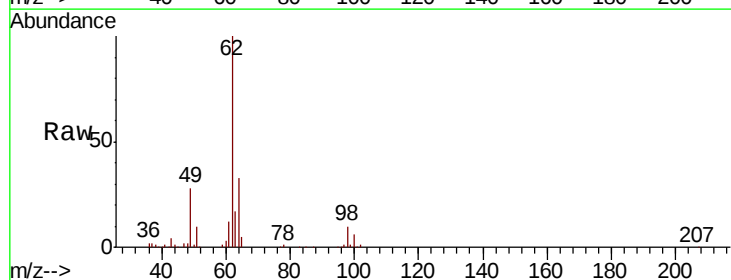


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

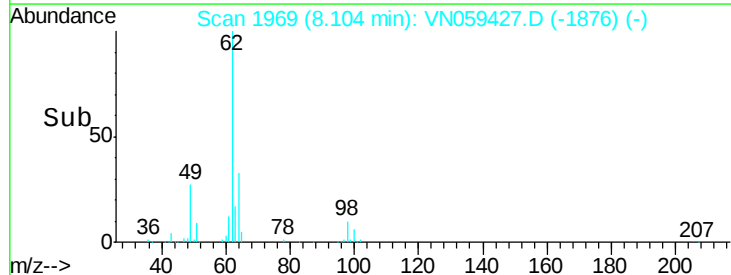
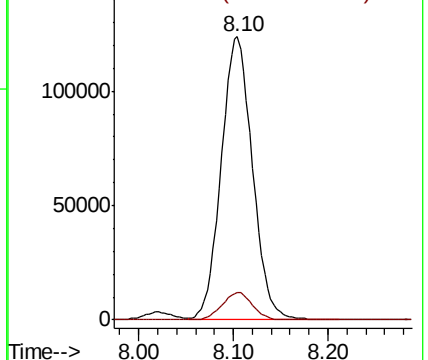


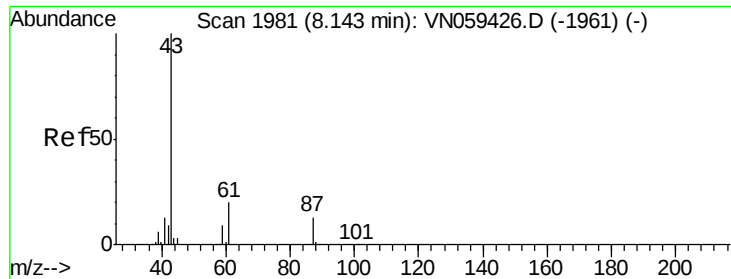
#42
1,2-Dichloroethane
Concen: 47.199 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	284235		
98	9.4	0.0	19.0	



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





#43

Isopropyl Acetate

Concen: 47.127 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

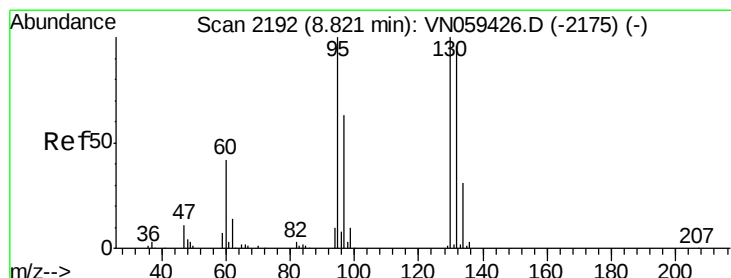
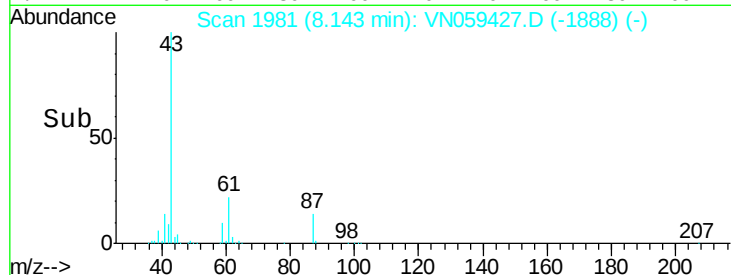
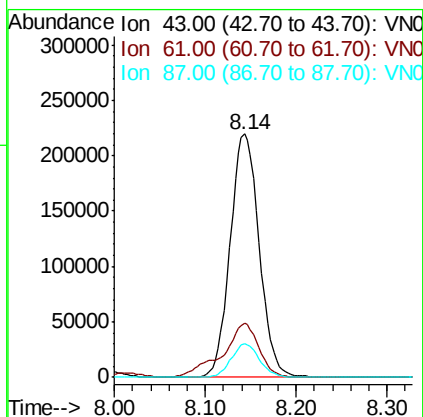
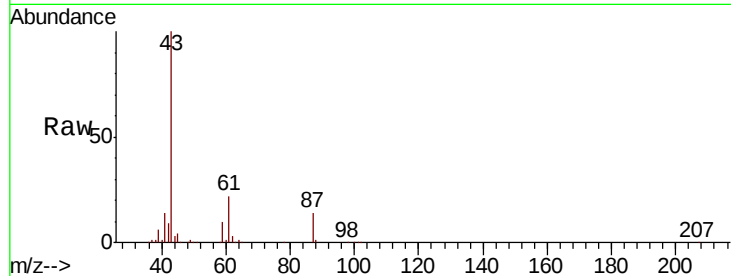
ClientSampled :

ICVFN112719

Tot Ion:	43	Resp:	484498
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.2	33.2
87	13.6	10.7	16.1

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#44

Trichloroethene

Concen: 46.441 ug/l

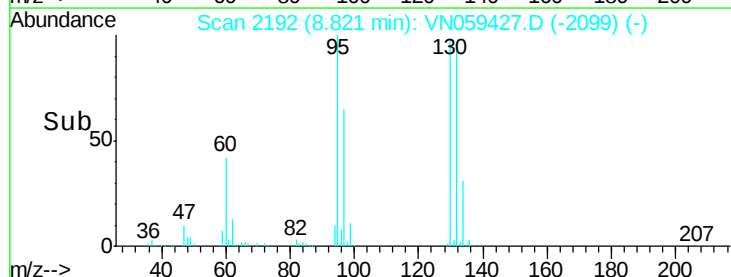
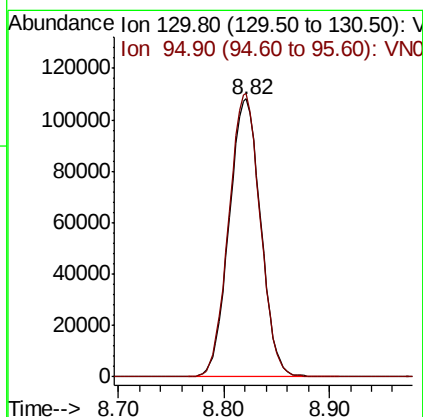
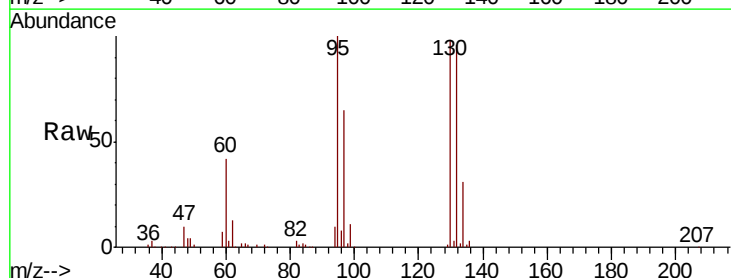
RT: 8.82 min Scan# 2192

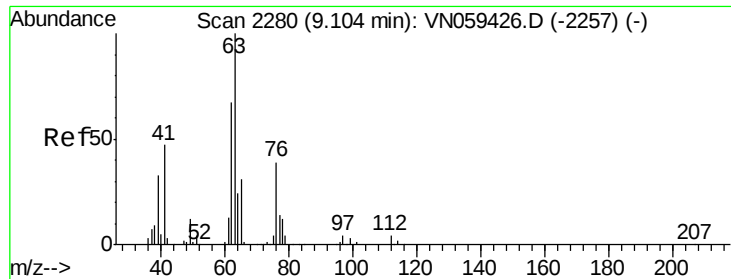
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	130	Resp:	224890
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	199.6





#45

1,2-Dichloropropane

Concen: 46.890 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion: 63 Resp: 232929

Ion Ratio Lower Upper

63 100

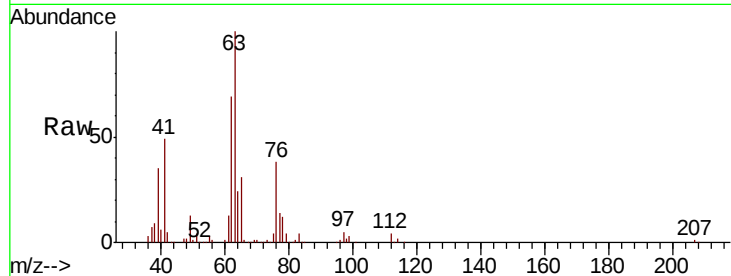
65 31.1 24.6 36.8

Manual Integrations

APPROVED

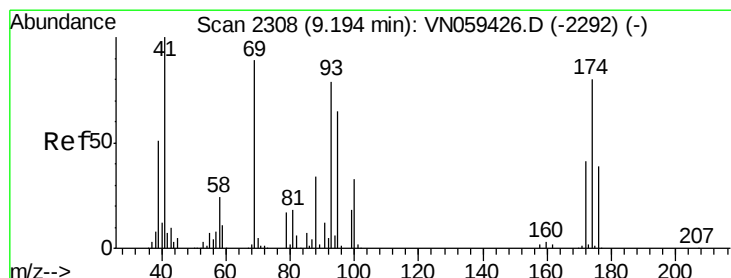
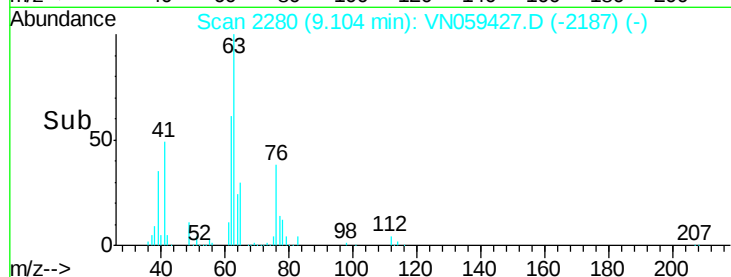
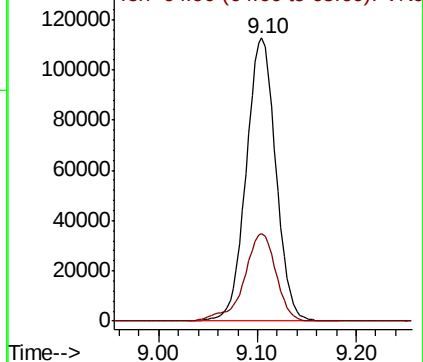
apatel

12/2/2019 10:09:08 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 46.942 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

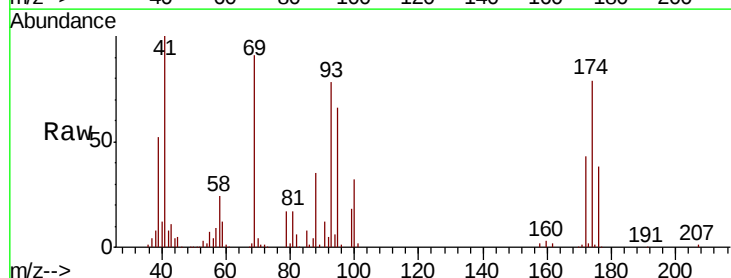
Tgt Ion: 93 Resp: 143903

Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

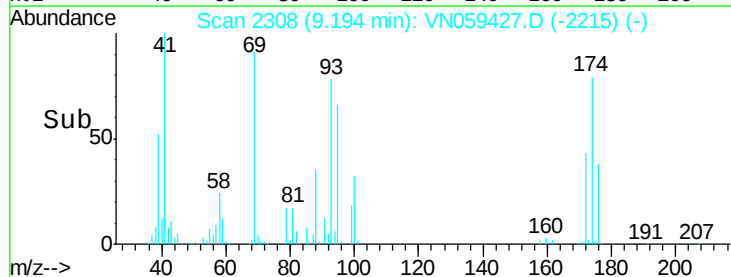
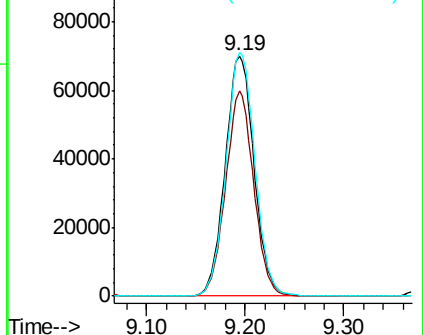
174 100.9 81.8 122.8

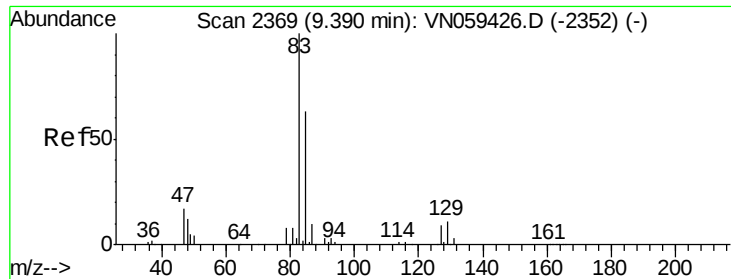


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





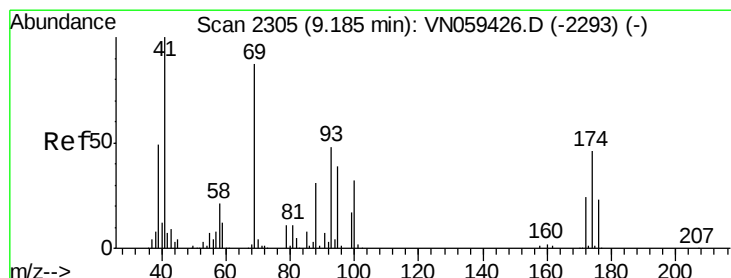
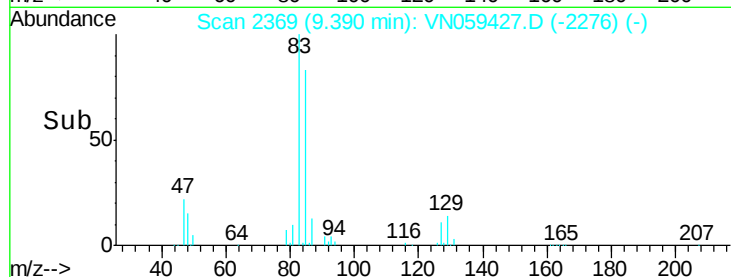
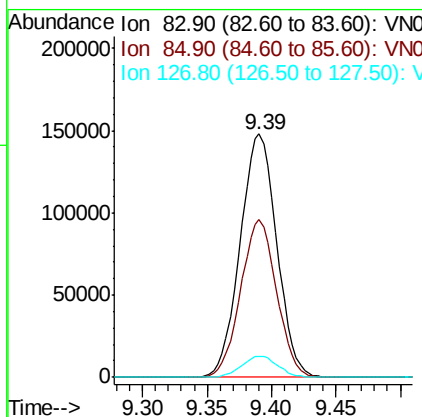
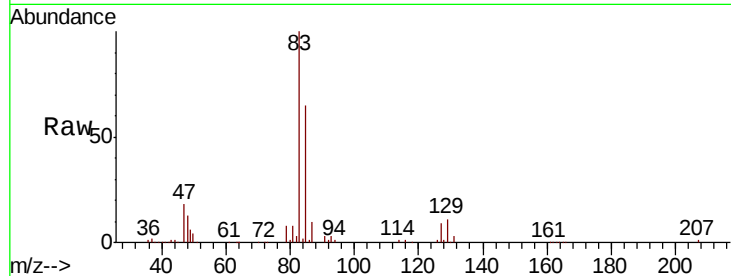
#47
Bromodichloromethane
Concen: 47.139 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Resp	Lower	Upper
83	100	292272		
85	64.7		50.6	75.8
127	8.6		6.8	10.2

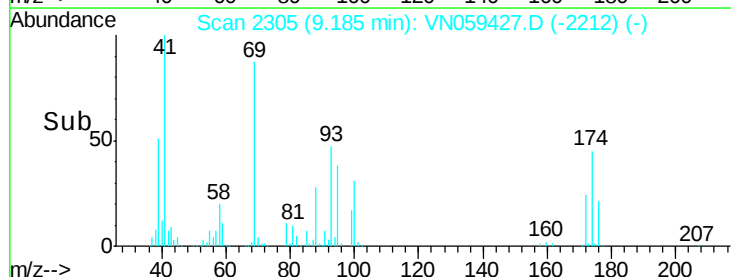
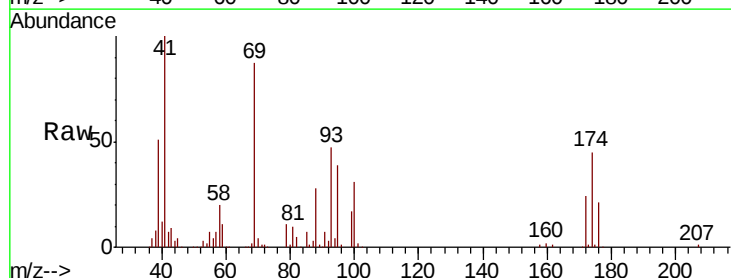
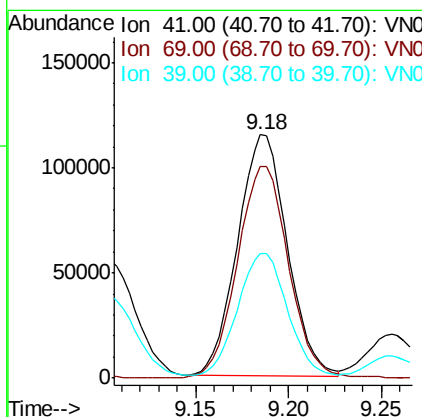
Manual Integrations
APPROVED

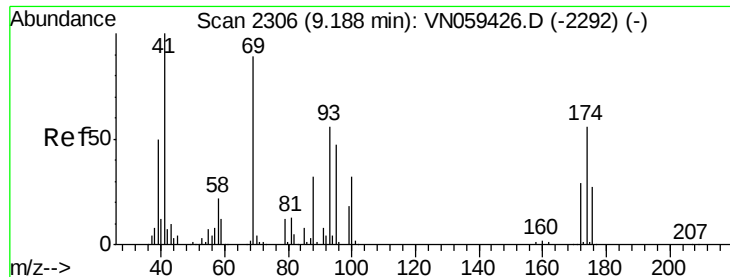
apatel
12/2/2019 10:09:08 AM



#48
Methyl methacrylate
Concen: 46.934 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	214073		
69	91.0		71.6	107.4
39	52.7		41.3	61.9





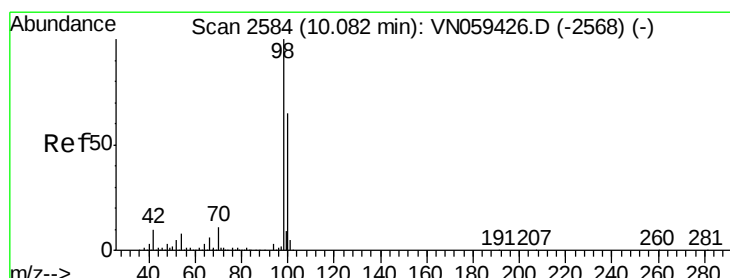
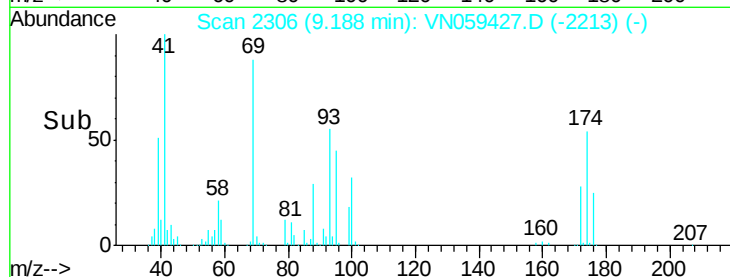
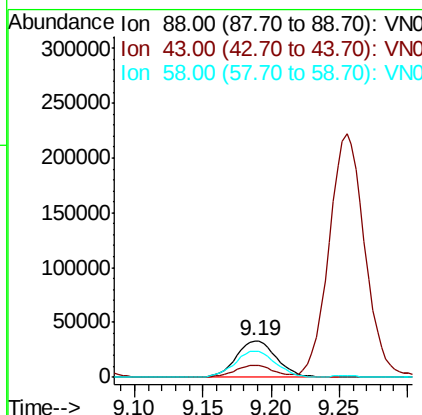
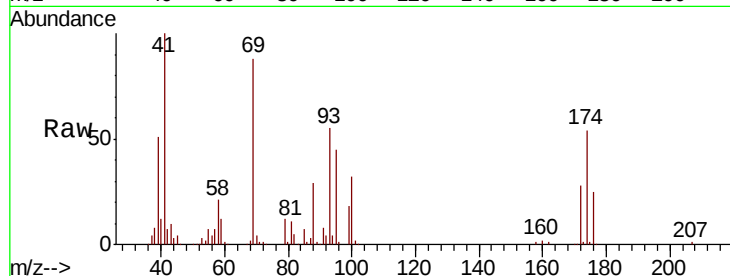
#49
1,4-Dioxane
Concen: 1043.467 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	23.7	35.5
58	72.2	56.3	84.5

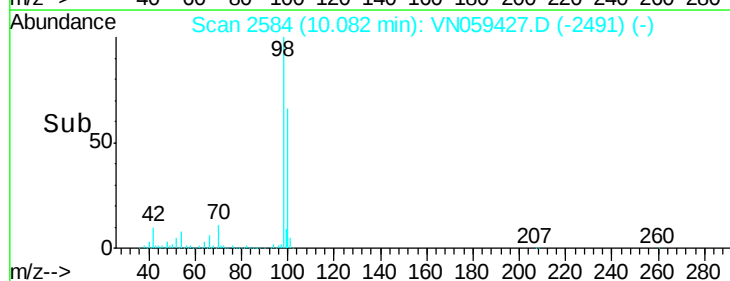
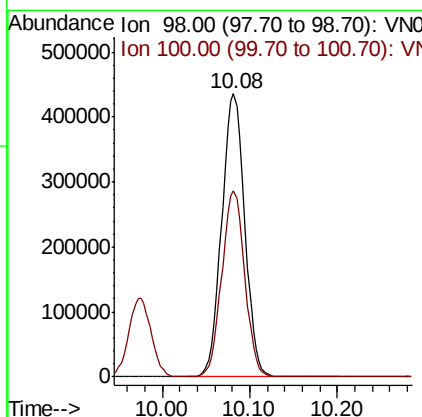
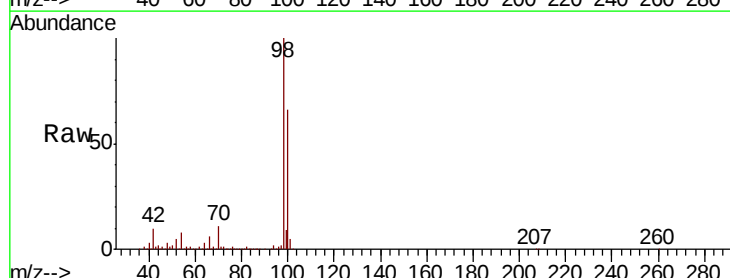
Manual Integrations
APPROVED

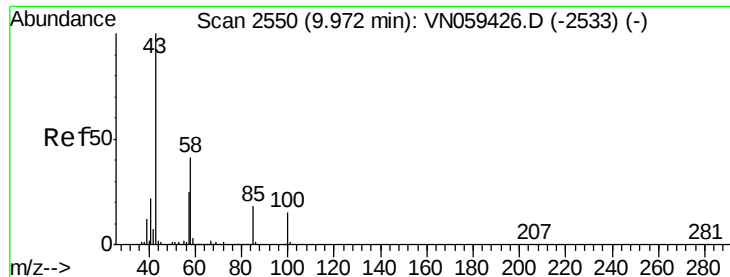
apatel
12/2/2019 10:09:08 AM



#50
Toluene-d8
Concen: 49.315 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 242.224 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

ICVFN112719

Tot Ion: 43 Resp: 1444423

Ion Ratio Lower Upper

43 100

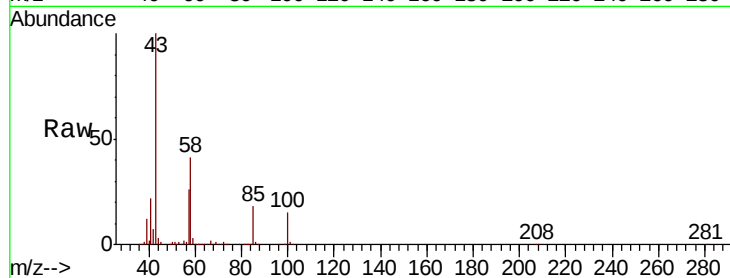
58 40.6 32.5 48.7

Manual Integrations

APPROVED

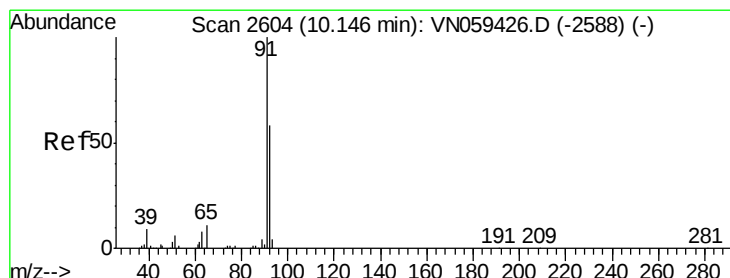
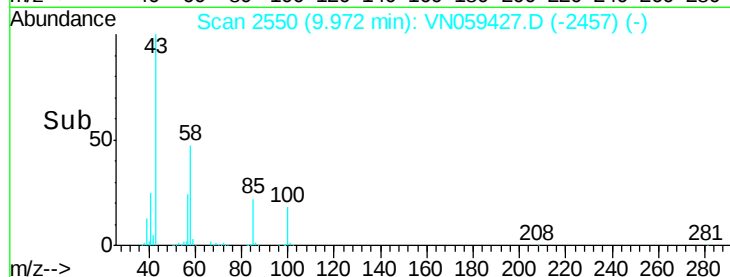
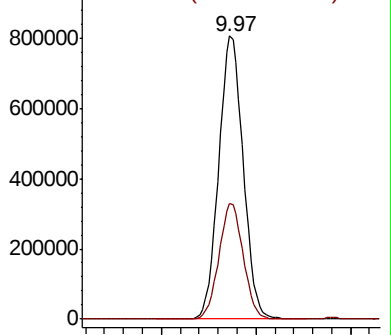
apatel

12/2/2019 10:09:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.402 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059427.D

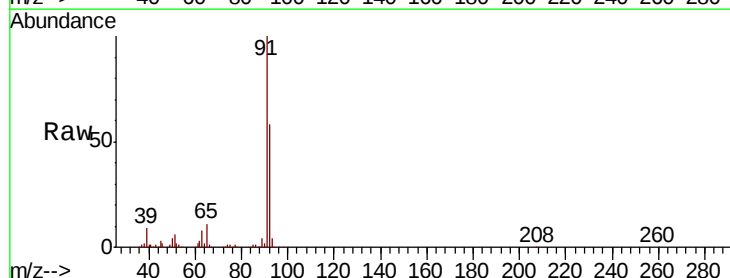
Acq: 27 Nov 2019 17:19

Tgt Ion: 92 Resp: 537827

Ion Ratio Lower Upper

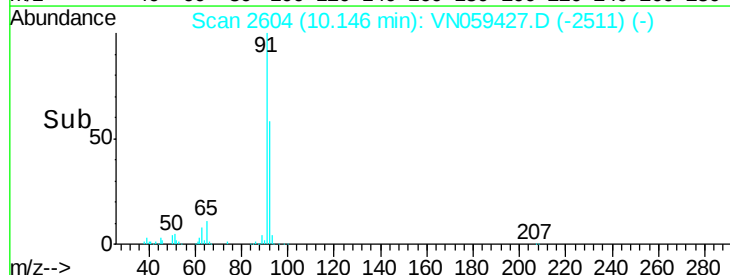
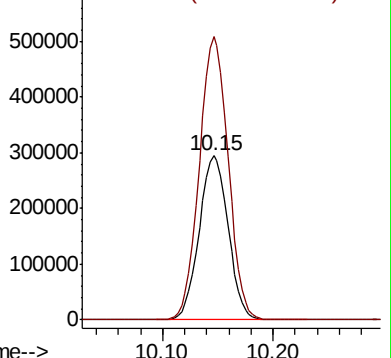
92 100

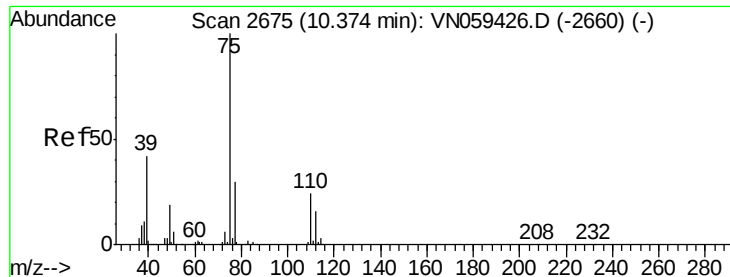
91 171.8 137.1 205.7



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: 47.744 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

ICVNVN112719

Tot Ion: 75 Resp: 340150

Ion Ratio Lower Upper

75 100

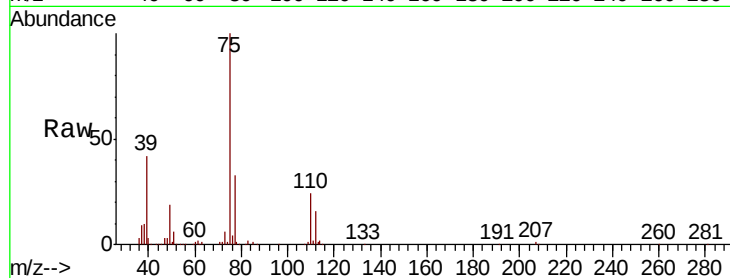
77 32.1 25.5 38.3

Manual Integrations

APPROVED

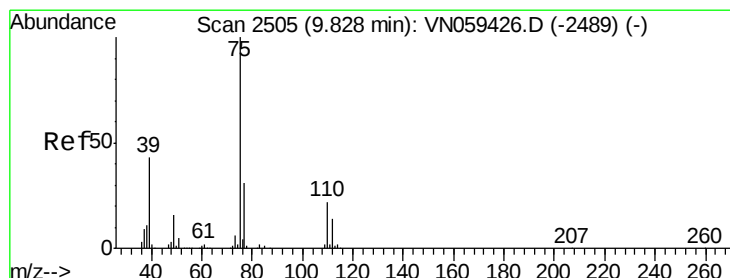
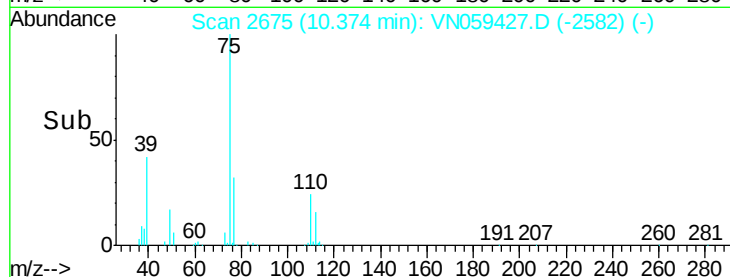
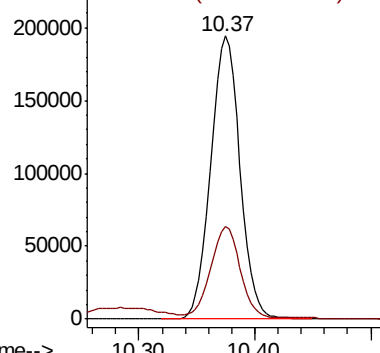
apatel

12/2/2019 10:09:08 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.566 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

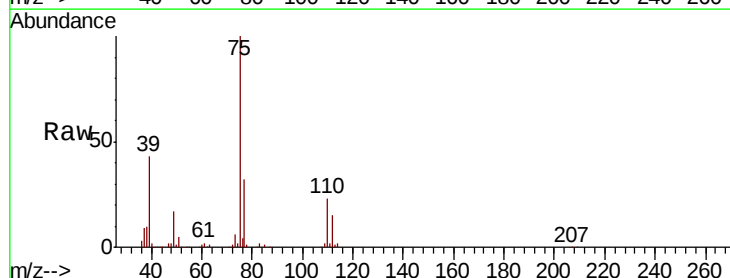
Tgt Ion: 75 Resp: 373514

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

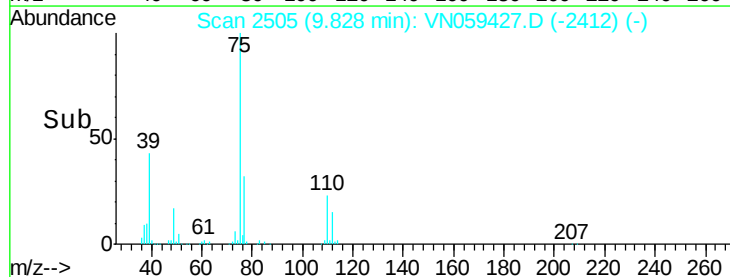
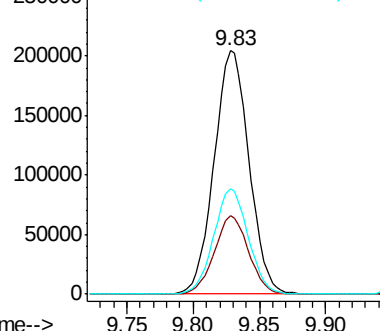
39 43.2 34.0 51.0

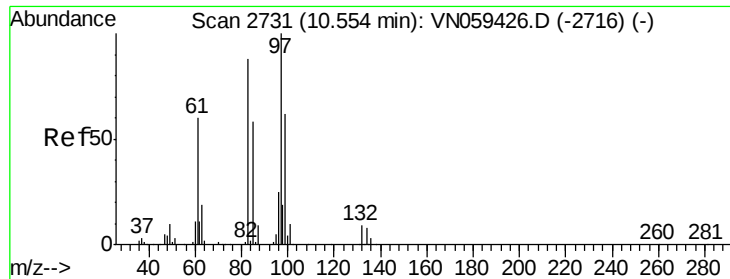


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 46.565 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

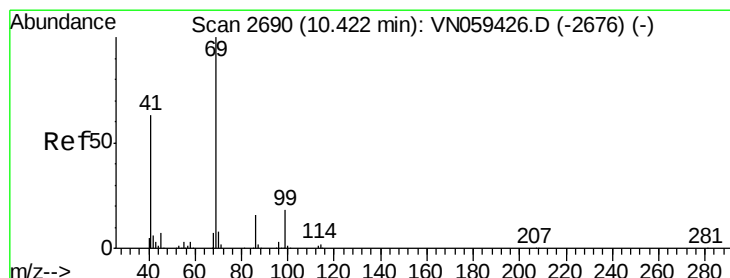
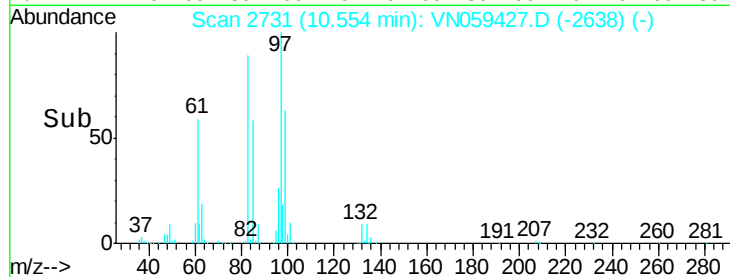
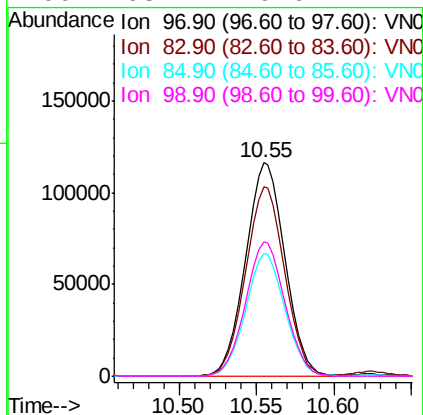
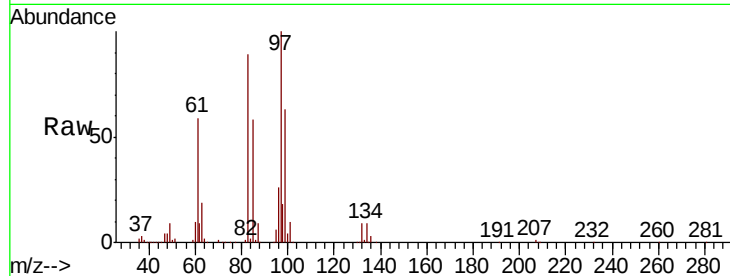
ClientSampleId :

ICVVN112719

Tot Ion:	97	Resp:	206794
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.7	106.1
85	57.7	46.4	69.6
99	63.2	49.6	74.4

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#56

Ethyl methacrylate

Concen: 51.966 ug/l

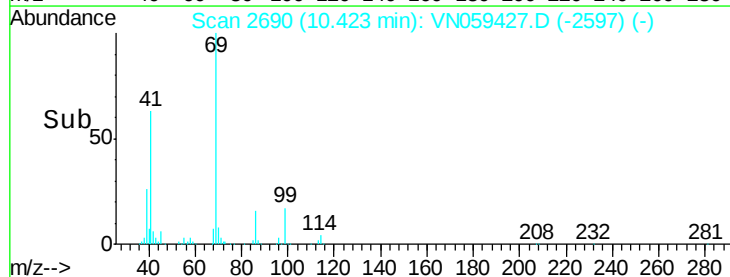
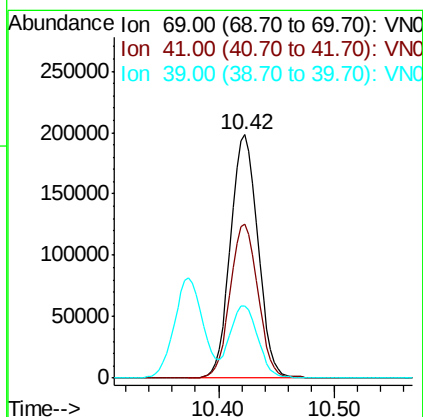
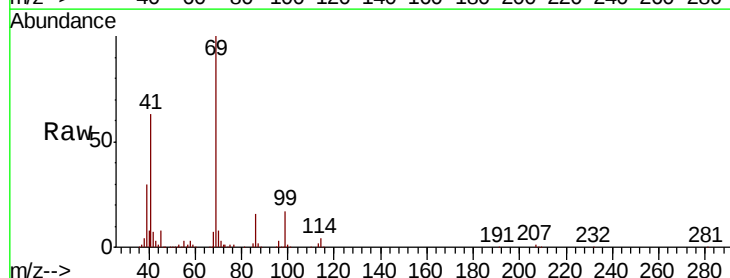
RT: 10.42 min Scan# 2690

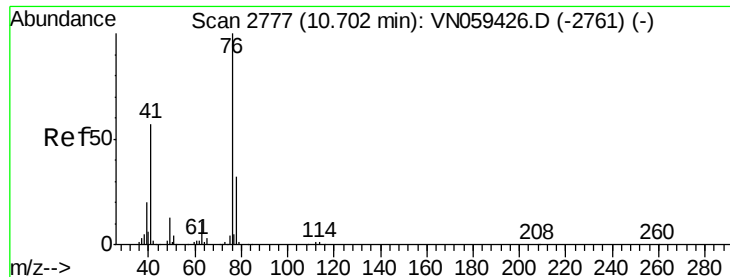
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	69	Resp:	325601
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.1	75.1
39	29.9	23.9	35.9





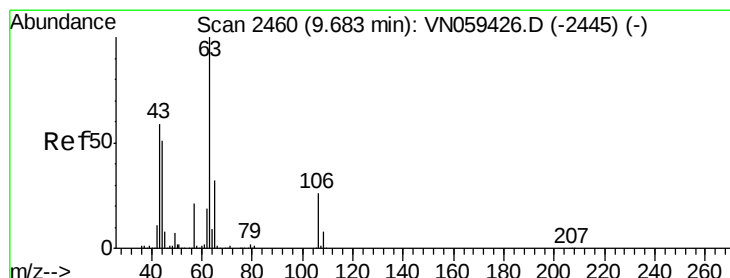
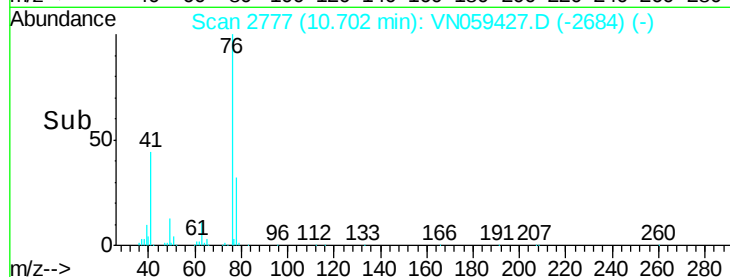
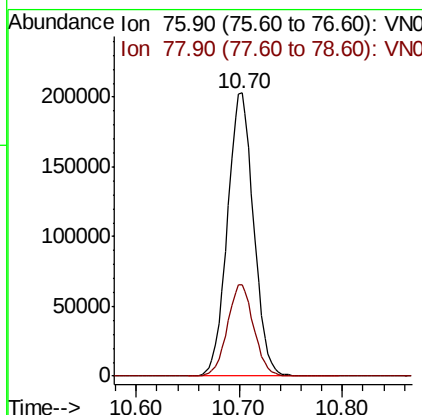
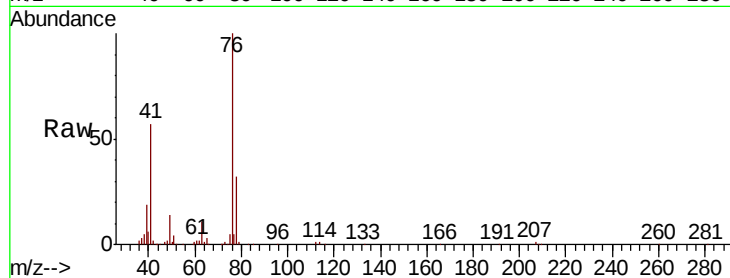
#57
 1,3-Dichloropropane
 Concen: 46.810 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

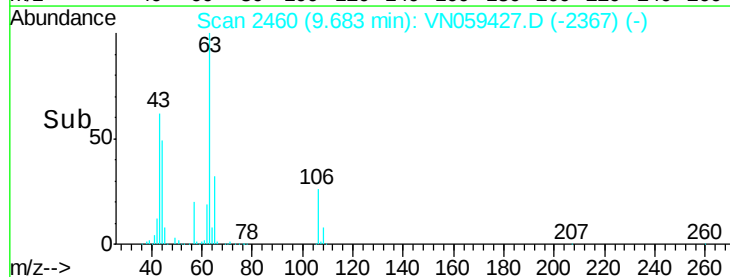
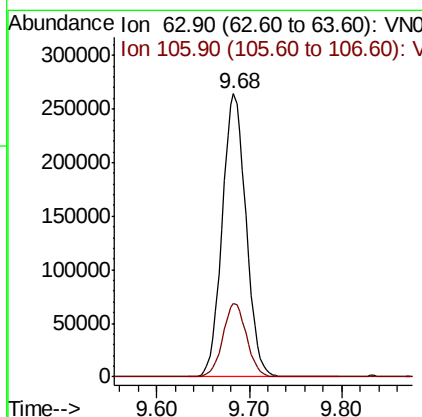
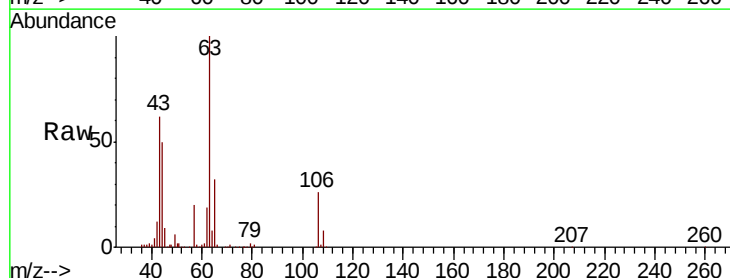
Manual Integrations
 APPROVED

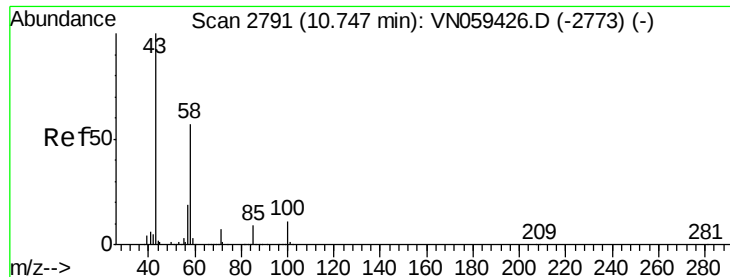
apatel
 12/2/2019 10:09:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.140 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	20.9	31.3





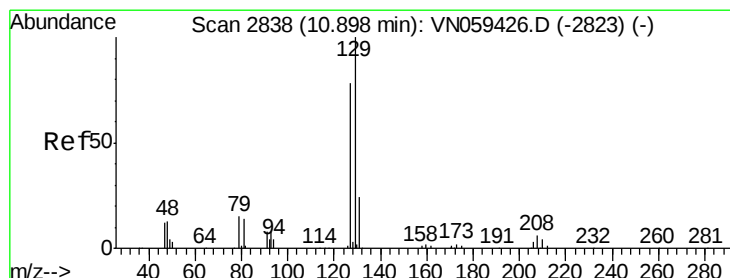
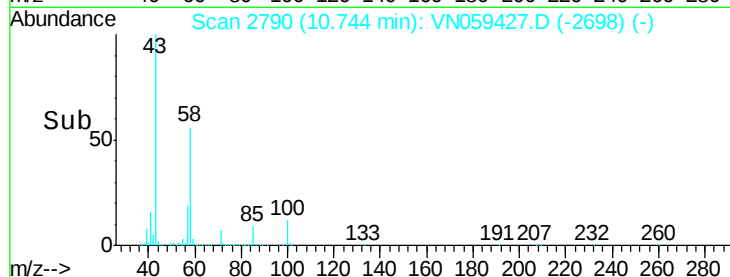
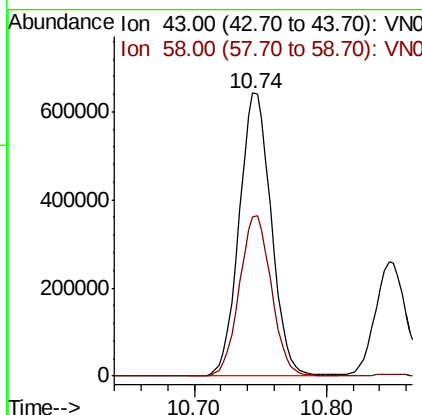
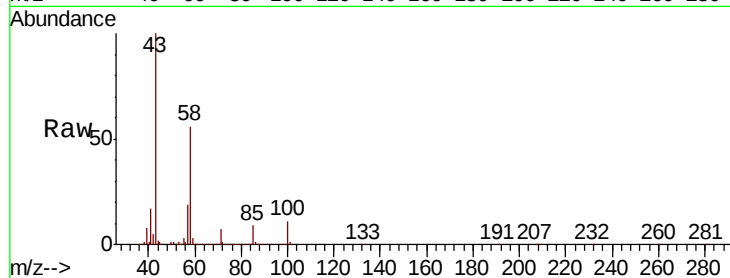
#59
2-Hexanone
Concen: 244.034 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion: 43 Resp: 1079071
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

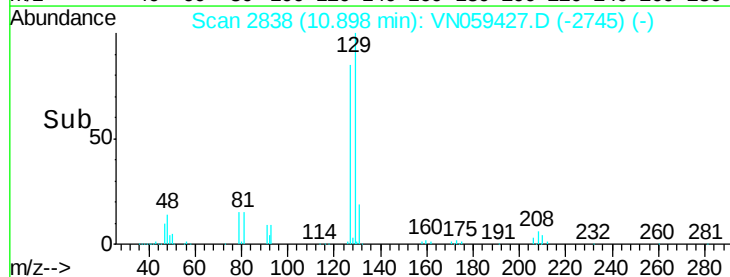
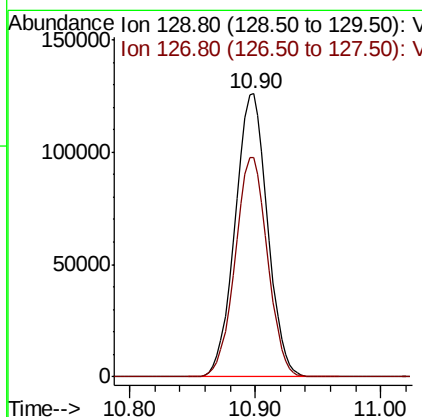
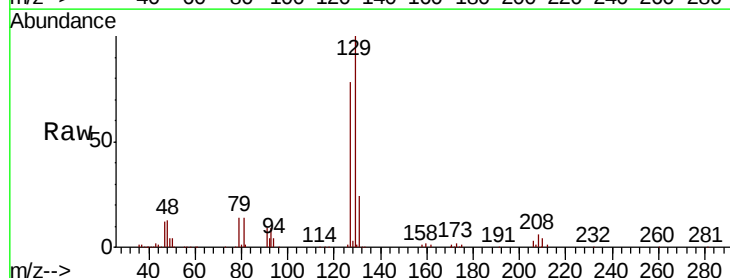
Manual Integrations
APPROVED

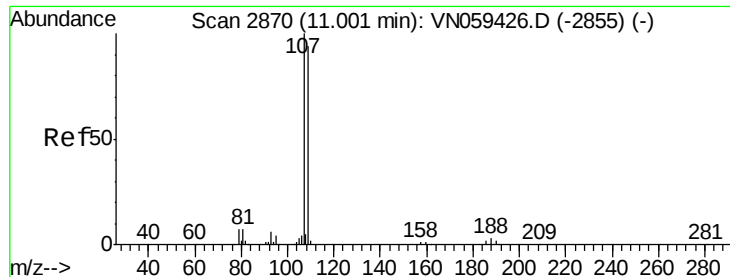
apatel
12/2/2019 10:09:08 AM



#60
Dibromochloromethane
Concen: 48.859 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 129 Resp: 226491
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





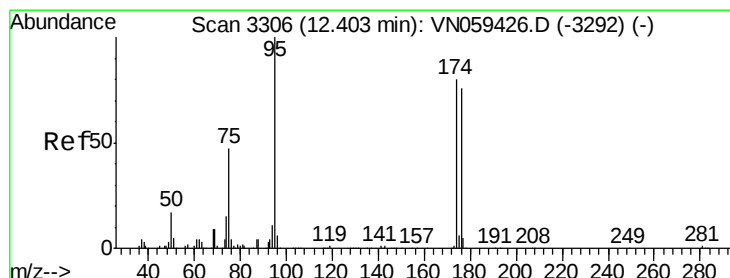
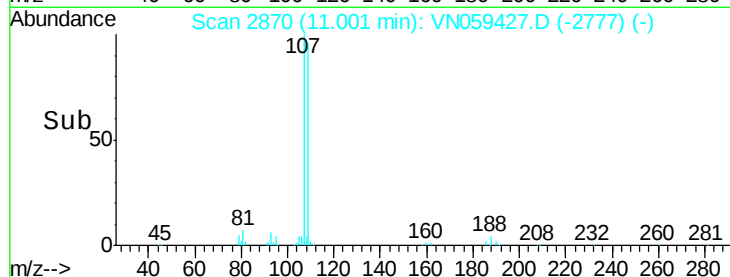
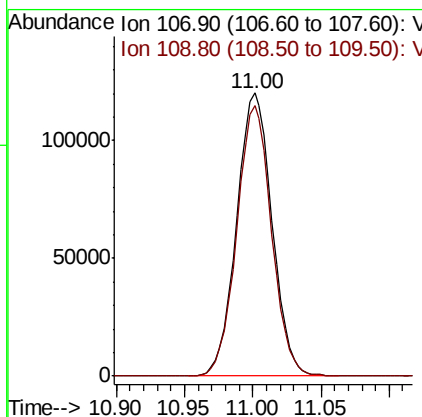
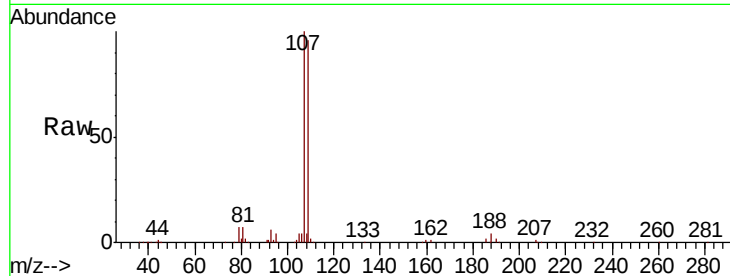
#61
 1,2-Dibromoethane
 Concen: 47.515 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.8

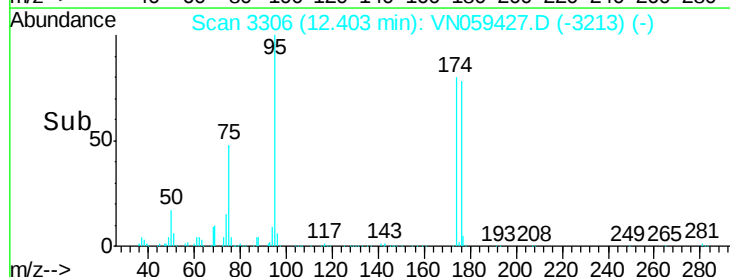
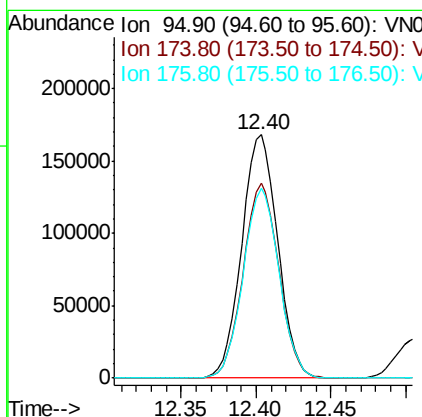
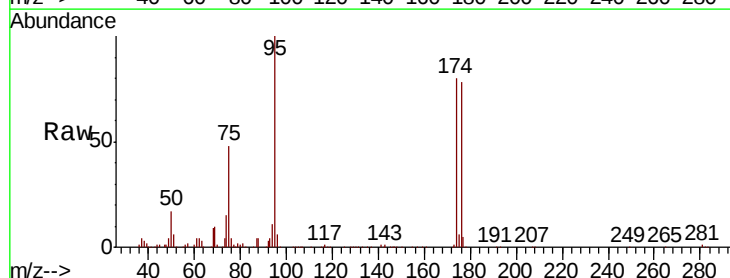
Manual Integrations
 APPROVED

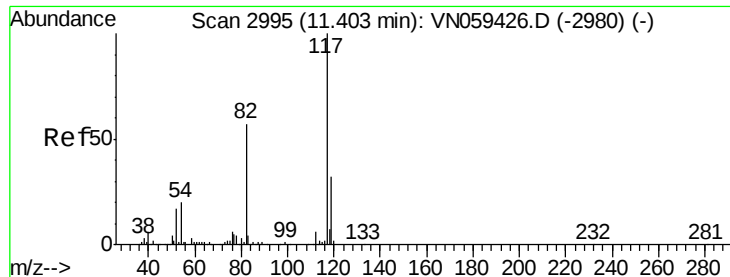
apatel
 12/2/2019 10:09:08 AM



#62
 4-Bromofluorobenzene
 Concen: 50.214 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	158.0
176	77.6	0.0	153.0





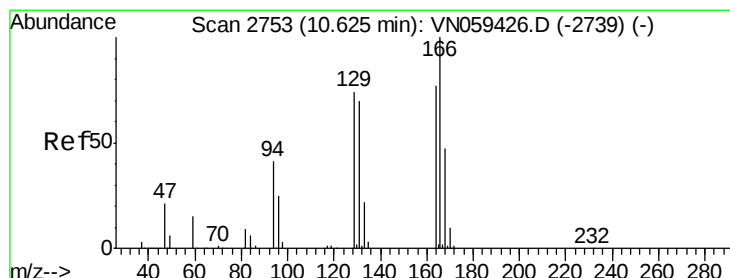
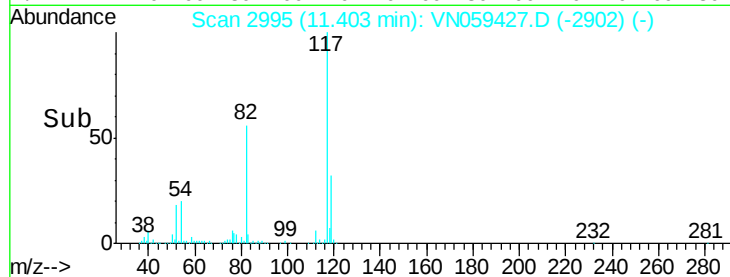
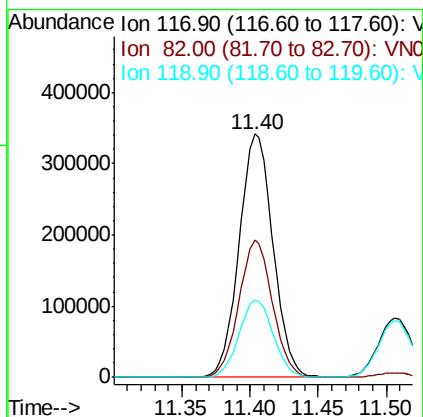
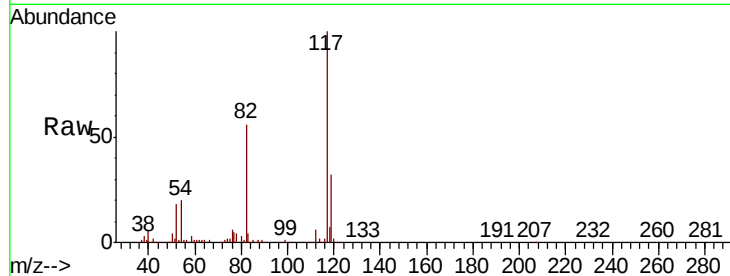
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	32.0	25.6	38.4

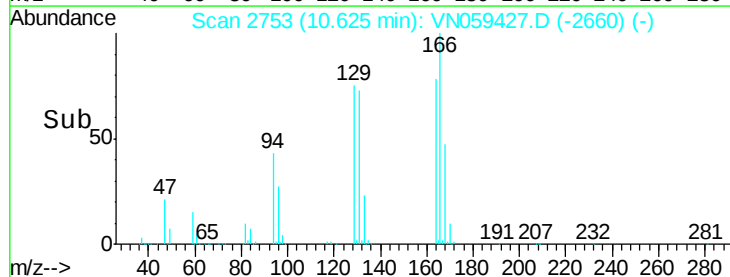
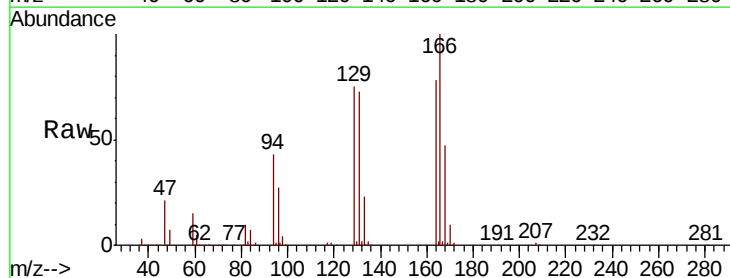
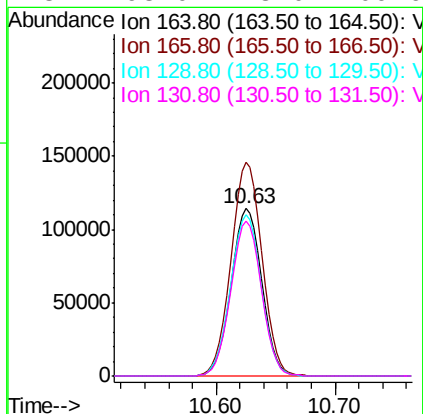
Manual Integrations
APPROVED

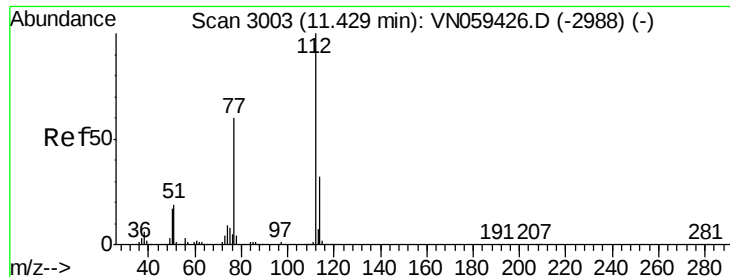
apatel
12/2/2019 10:09:08 AM



#64
Tetrachloroethene
Concen: 46.866 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	104.2	156.4
129	96.3	76.8	115.2
131	93.0	73.0	109.6





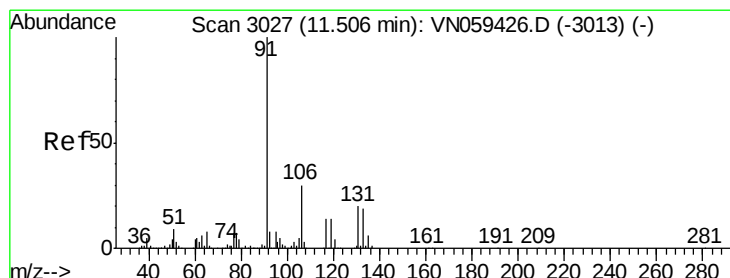
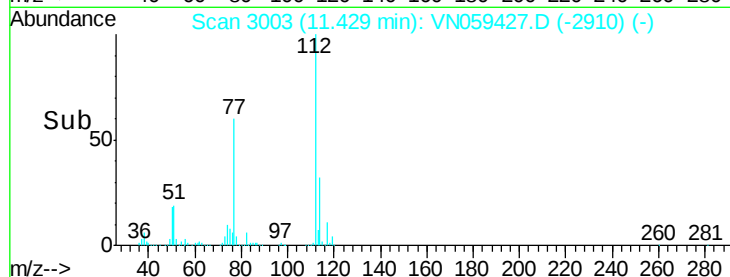
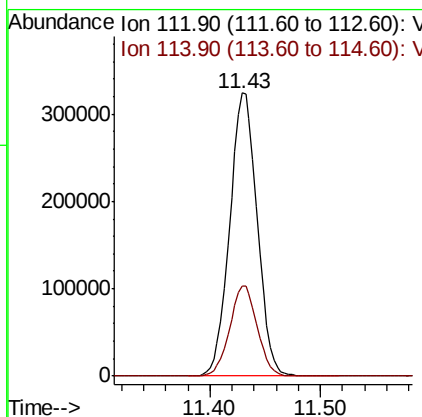
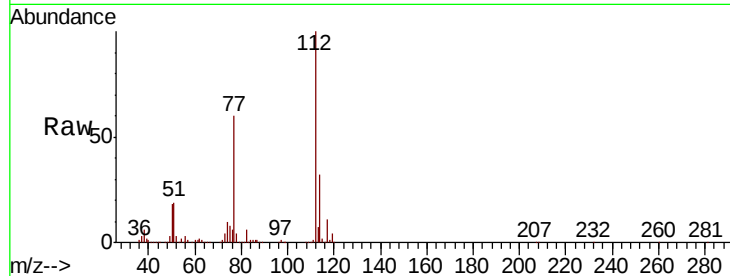
#65
Chlorobenzene
Concen: 46.839 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2

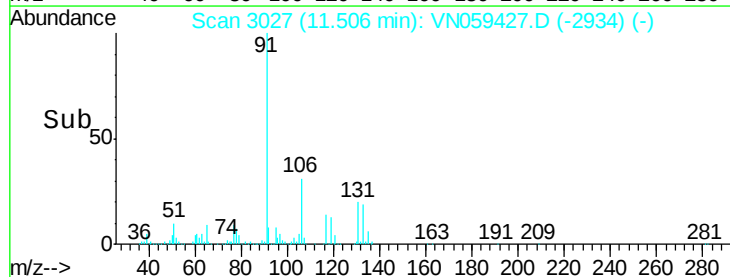
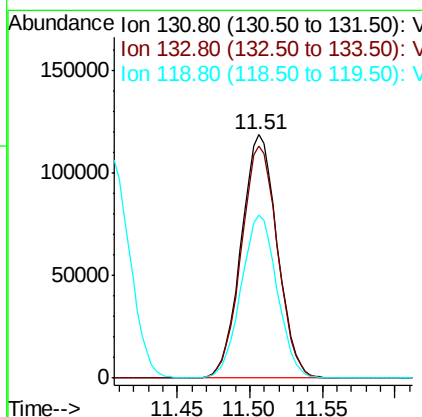
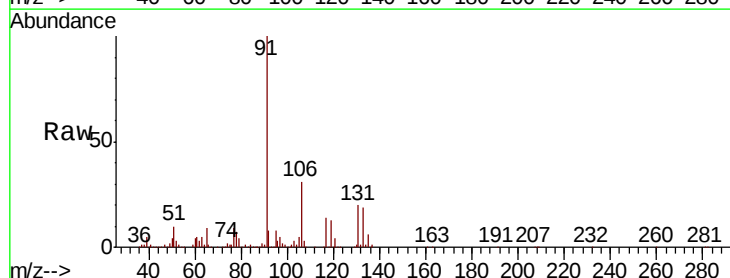
Manual Integrations
APPROVED

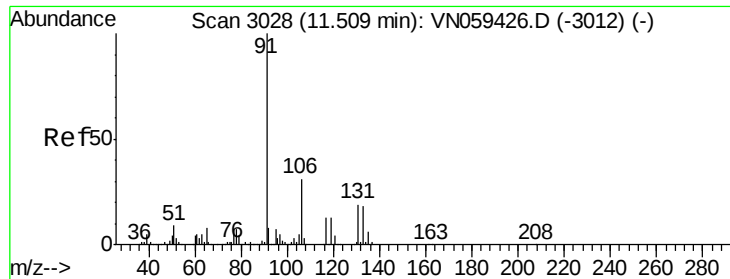
apatel
12/2/2019 10:09:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.619 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.2	144.6
119	67.0	33.8	101.3





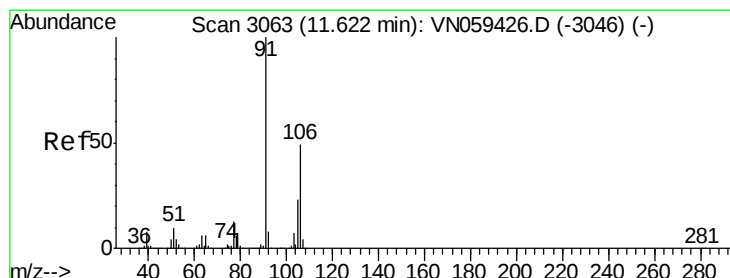
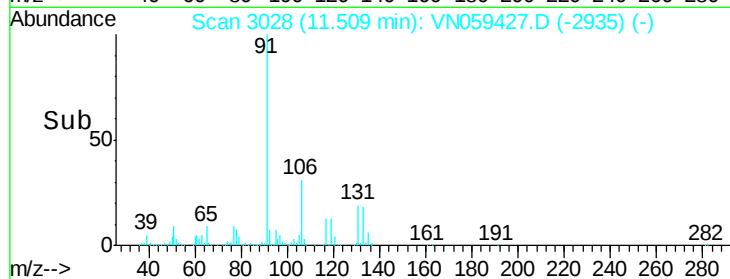
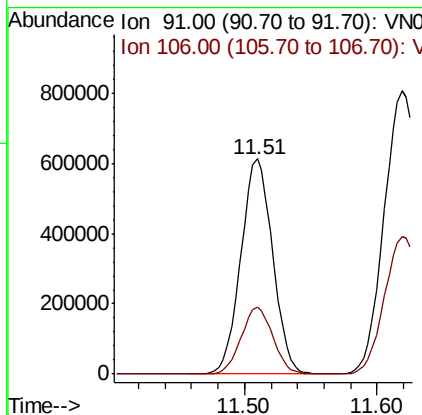
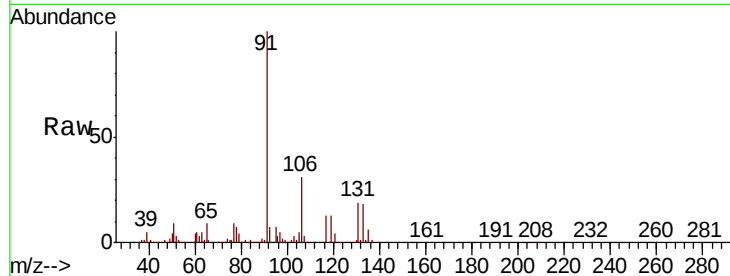
#67
Ethyl Benzene
Concen: 48.575 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
ICVVN112719

Tot Ion: 91 Resp: 1018619
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

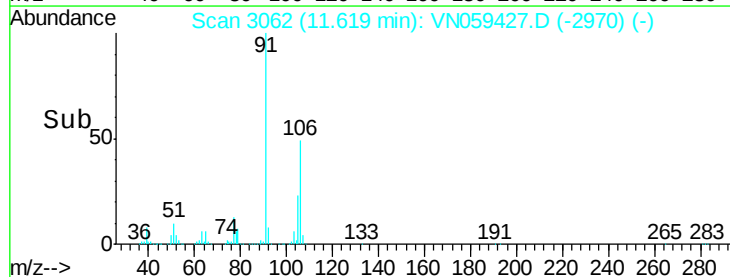
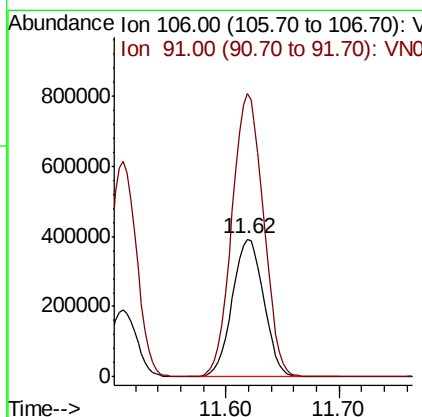
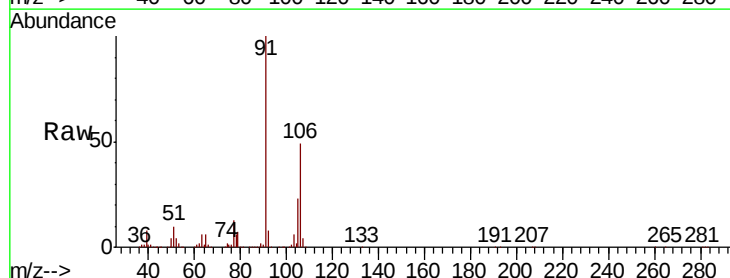
Manual Integrations
APPROVED

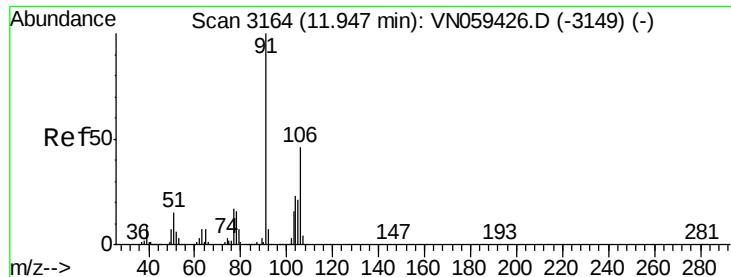
apatel
12/2/2019 10:09:08 AM



#68
m/p-Xylenes
Concen: 96.863 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 106 Resp: 758370
Ion Ratio Lower Upper
106 100
91 205.9 163.7 245.5





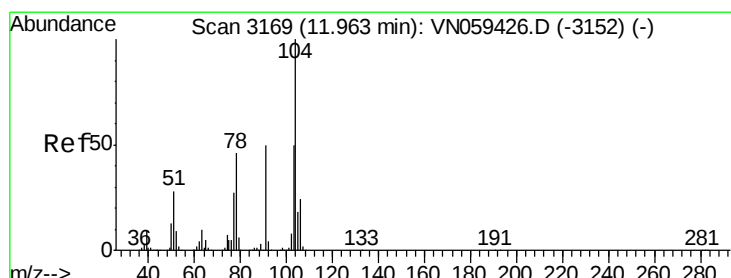
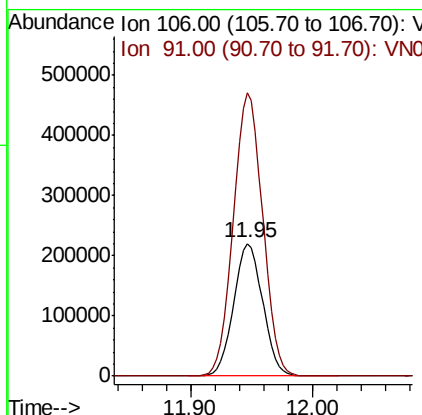
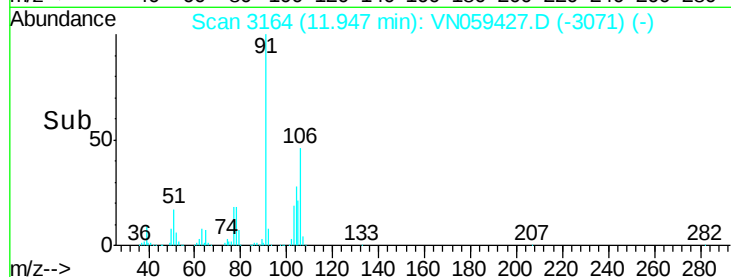
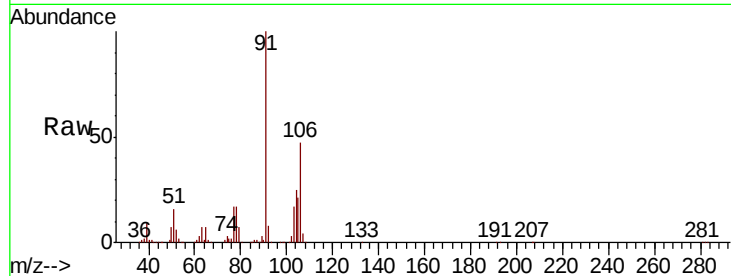
#69
o-Xylene
Concen: 48.500 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
ICVFN112719

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.0	107.5	322.4	

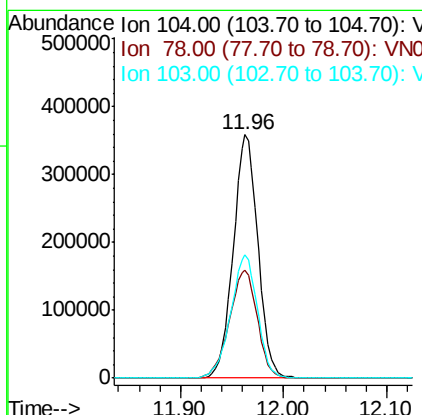
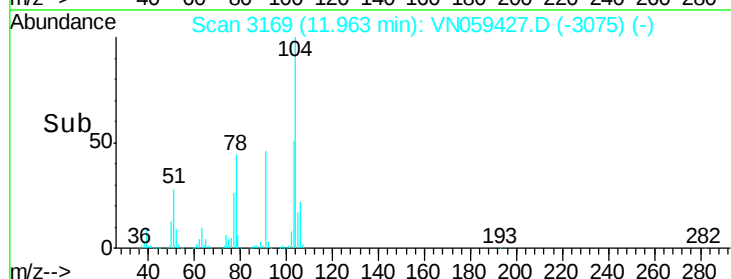
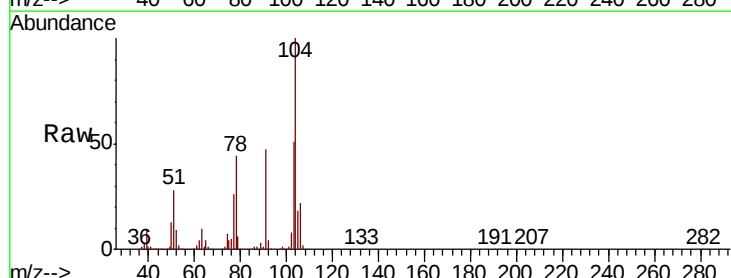
Manual Integrations
APPROVED

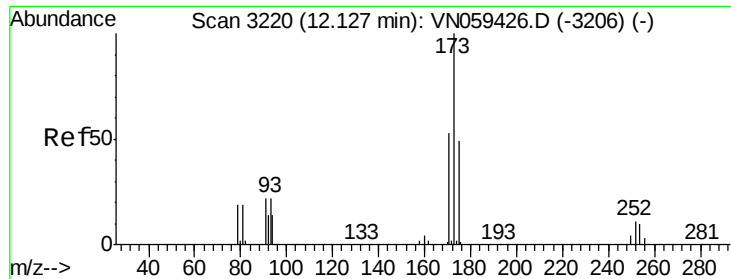
apatel
12/2/2019 10:09:08 AM



#70
Styrene
Concen: 52.815 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.8	40.4	60.6	
103	54.8	43.8	65.6	





#71

Bromoform

Concen: 49.790 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

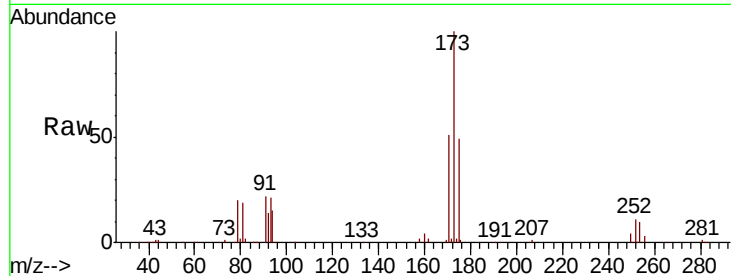
ClientSampleId :

ICVVN112719

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM

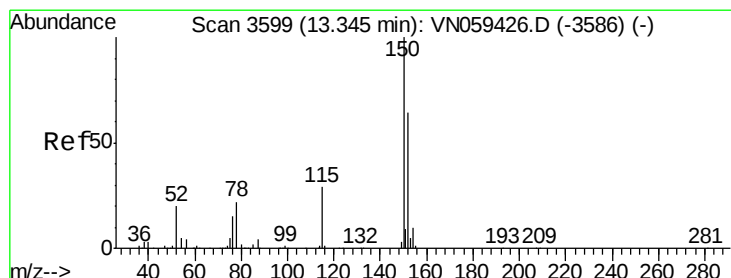
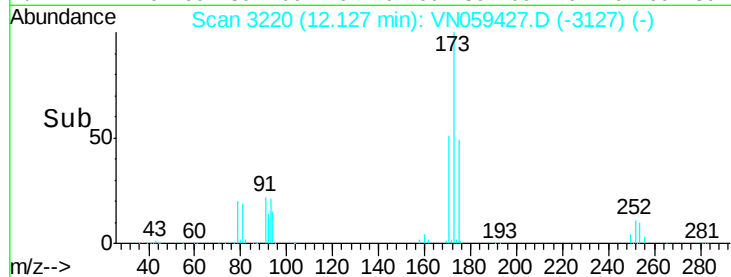
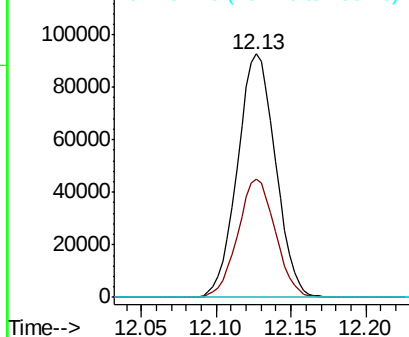


Abundance

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

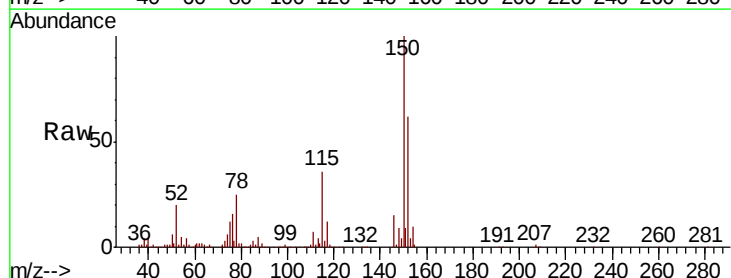
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.5	88.6
150	173.4	0.0	347.2

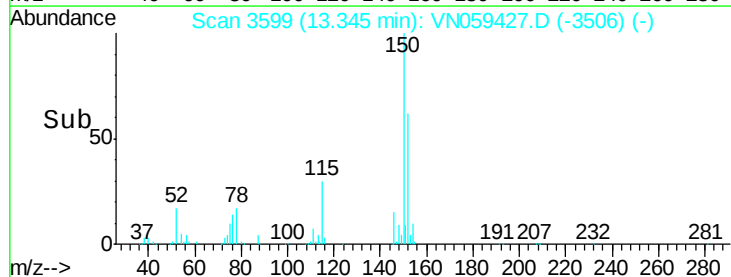
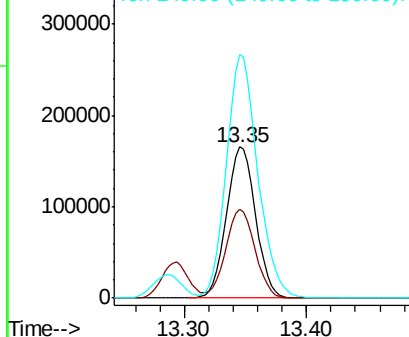


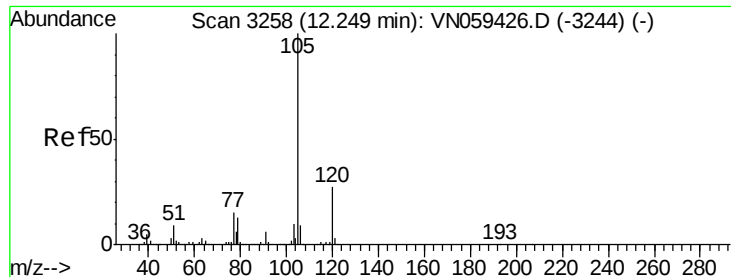
Abundance

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





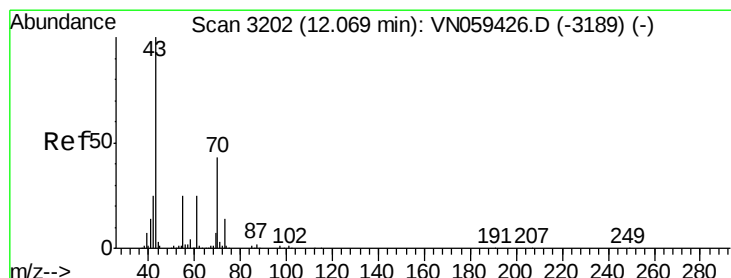
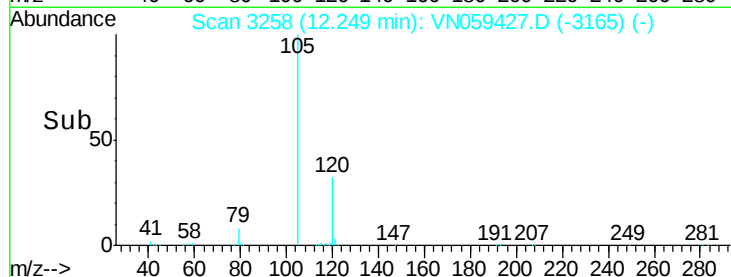
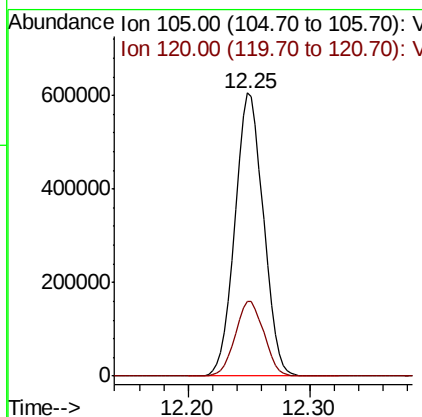
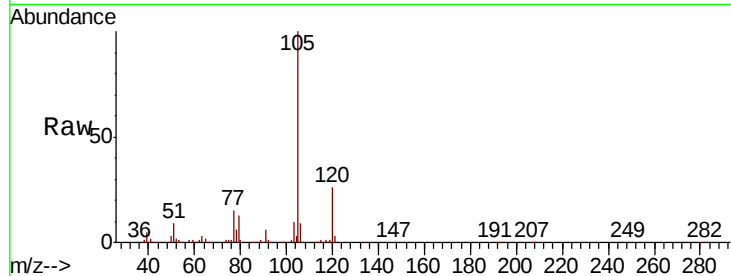
#73
Isopropylbenzene
Concen: 47.712 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

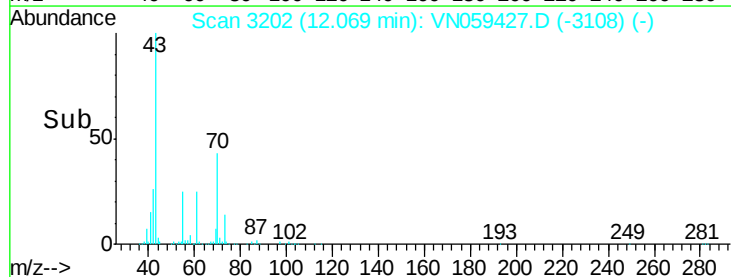
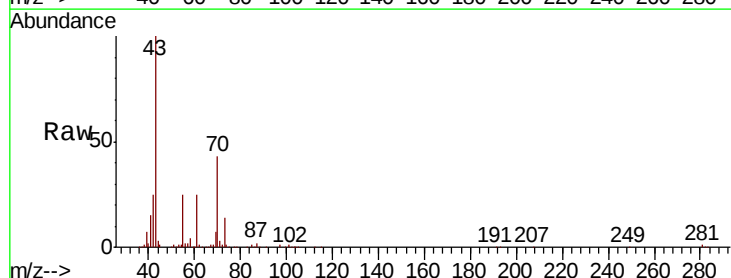
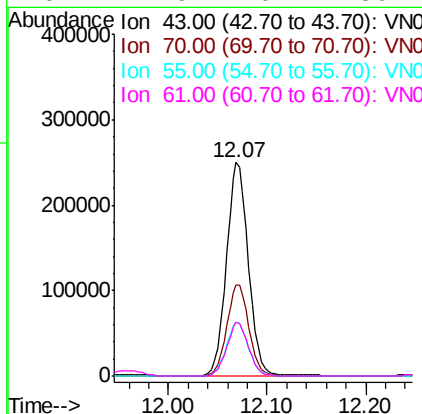
Manual Integrations
APPROVED

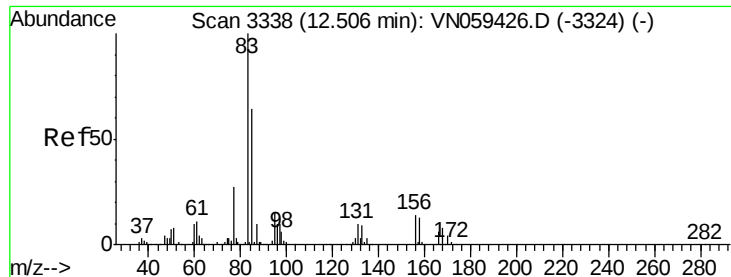
apatel
12/2/2019 10:09:08 AM



#74
N-ethyl acetate
Concen: 53.190 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.6	52.0
55	25.5	20.5	30.7
61	24.9	20.2	30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.599 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

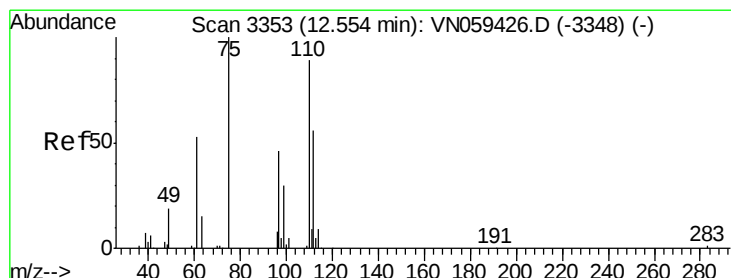
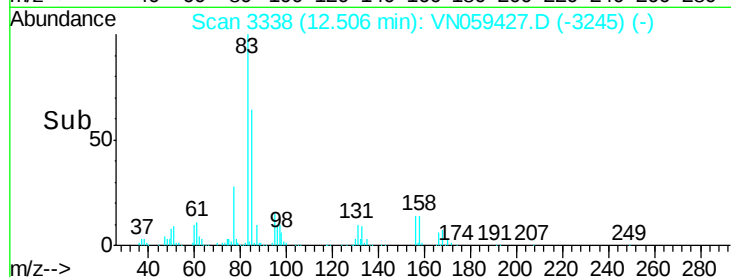
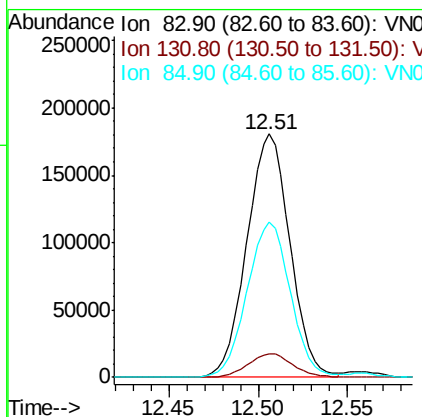
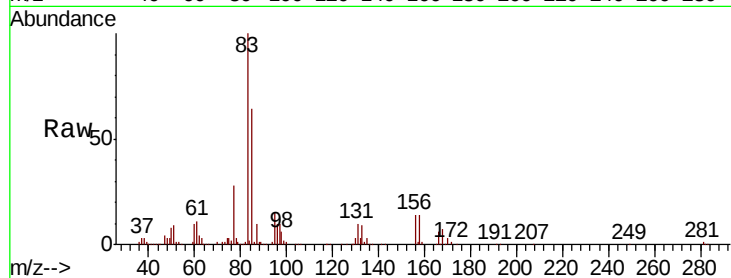
ClientSampleId :

ICVVN112719

Tot Ion:	83	Resp:	304764
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	63.9	32.3	96.9

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#76

1,2,3-Trichloropropane

Concen: 44.175 ug/l m

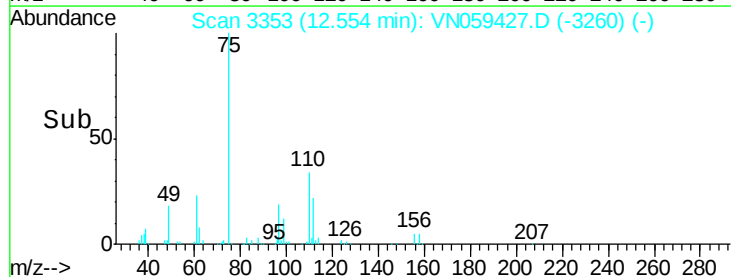
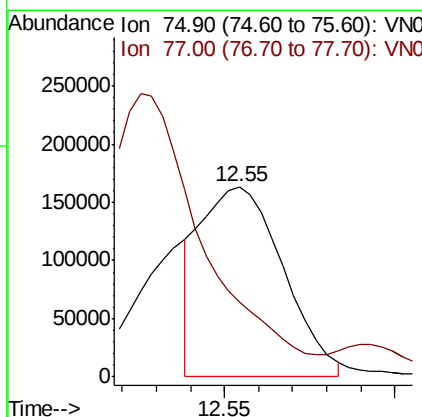
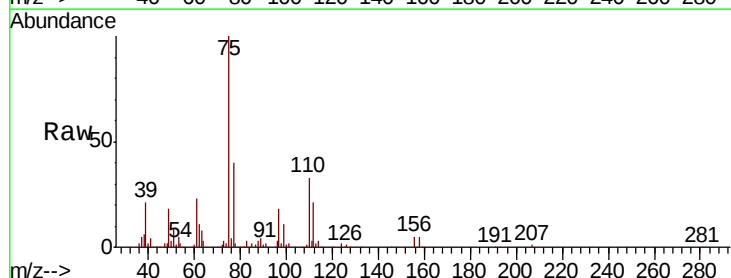
RT: 12.55 min Scan# 3353

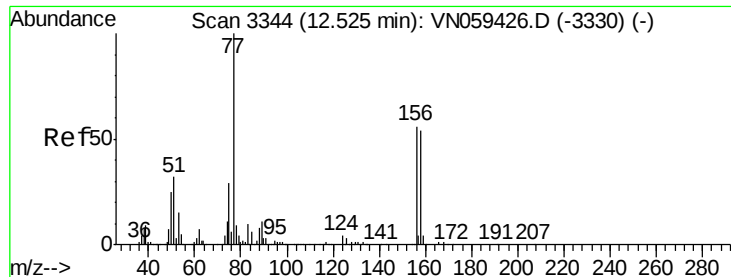
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	75	Resp:	276476
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

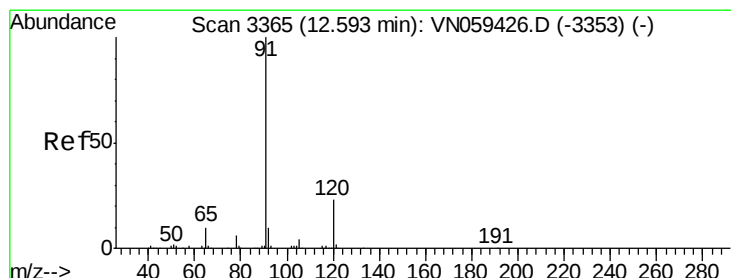
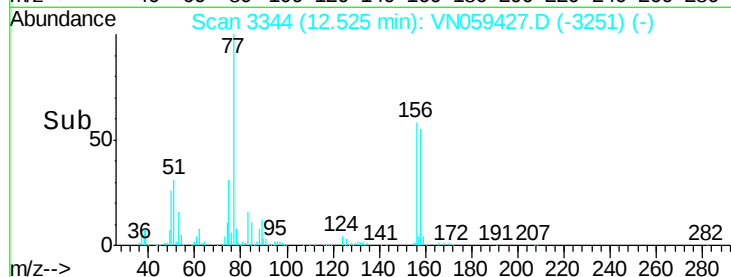
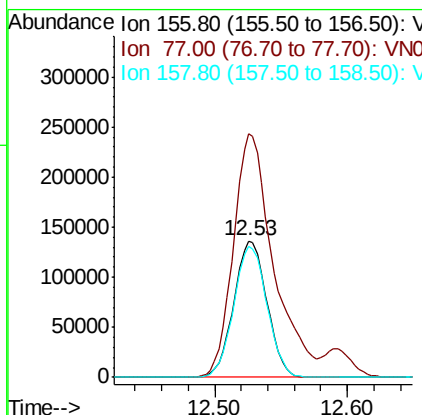
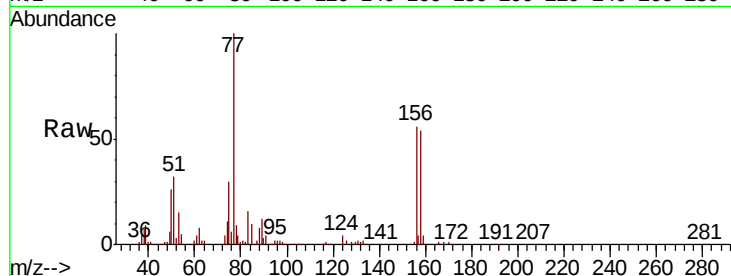
ClientSampleId :

ICVVN112719

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	216.6	108.7	326.3	
158	96.6	48.3	144.9	

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#78

n-propylbenzene

Concen: 48.817 ug/l

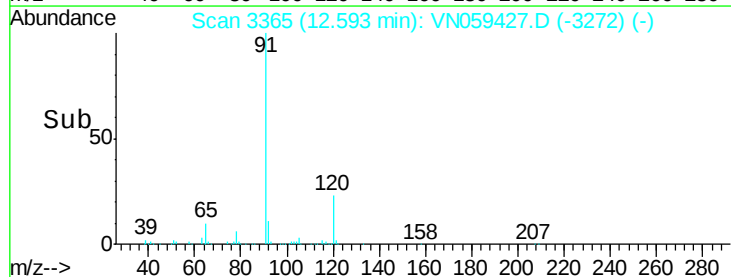
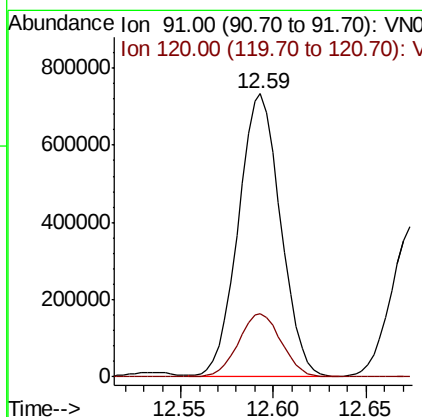
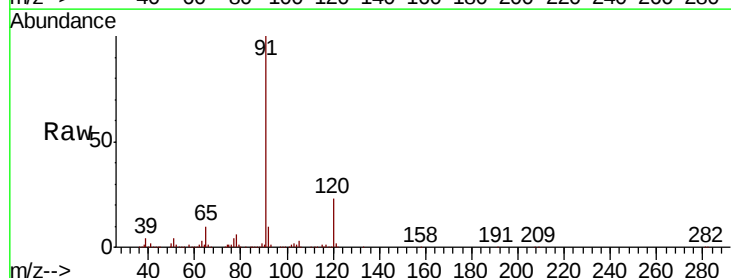
RT: 12.59 min Scan# 3365

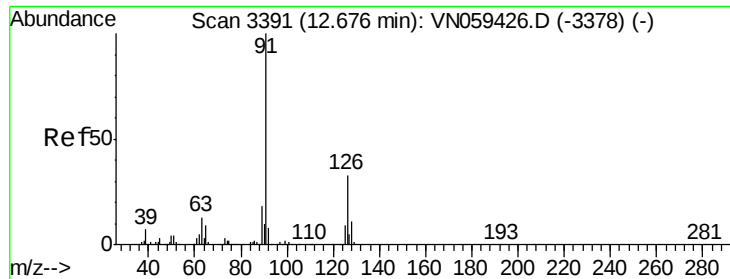
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.5	34.4	





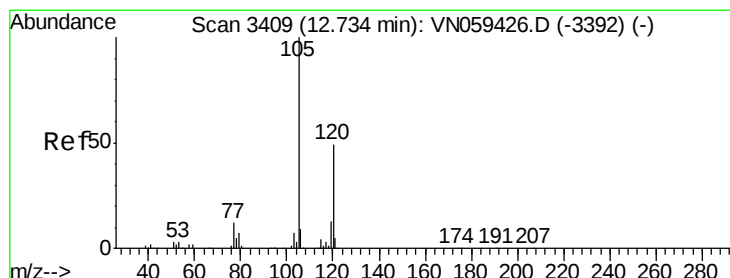
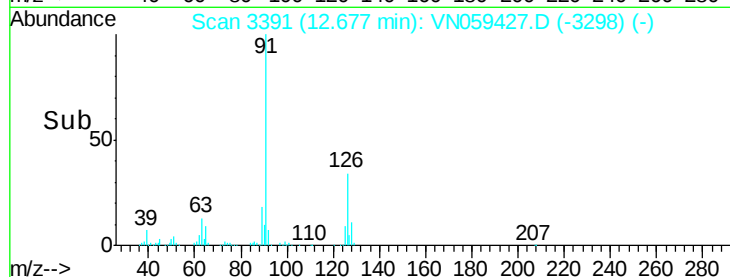
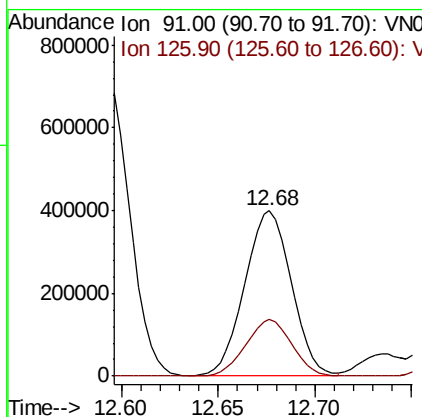
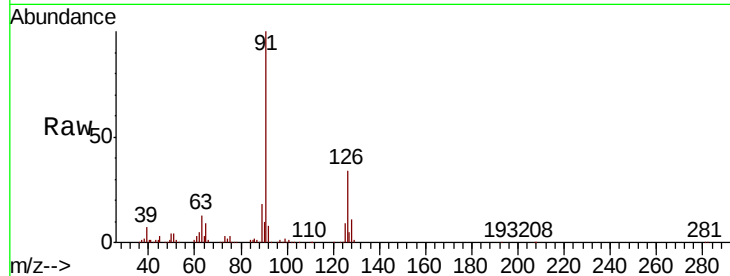
#79
2-Chlorotoluene
Concen: 47.279 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion: 91 Resp: 667589
Ion Ratio Lower Upper
91 100
126 34.0 16.7 50.1

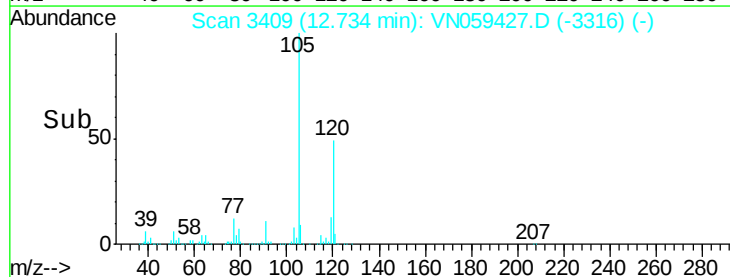
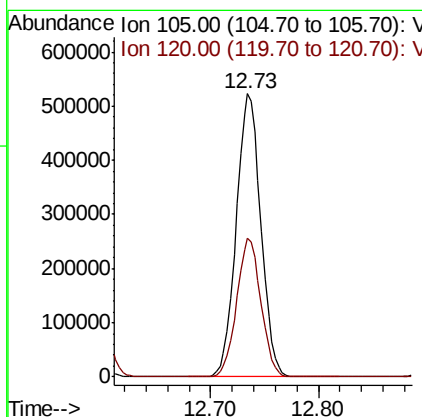
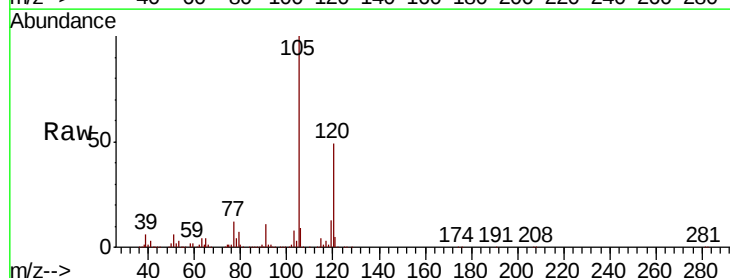
Manual Integrations
APPROVED

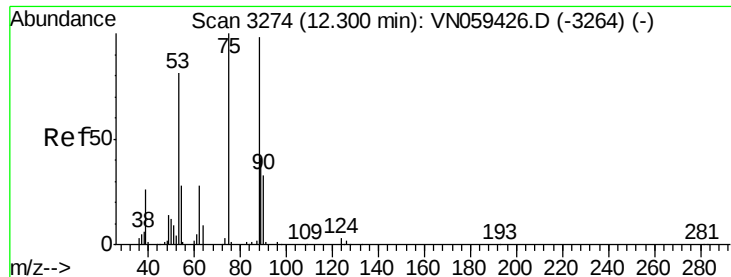
apatel
12/2/2019 10:09:08 AM



#80
1,3,5-Trimethylbenzene
Concen: 48.074 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 105 Resp: 828211
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.8





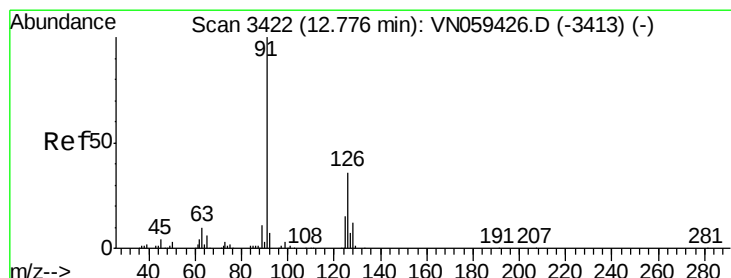
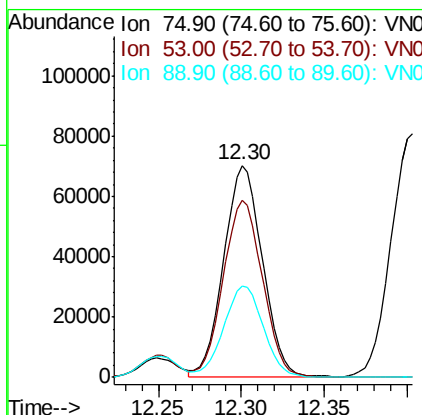
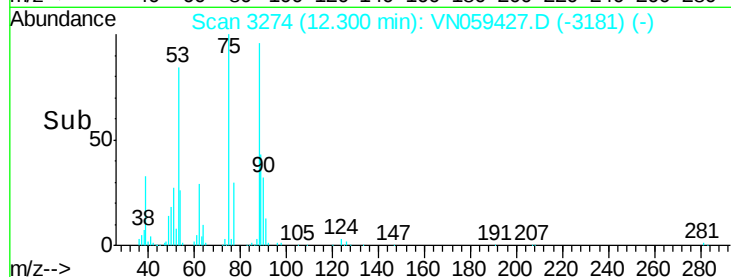
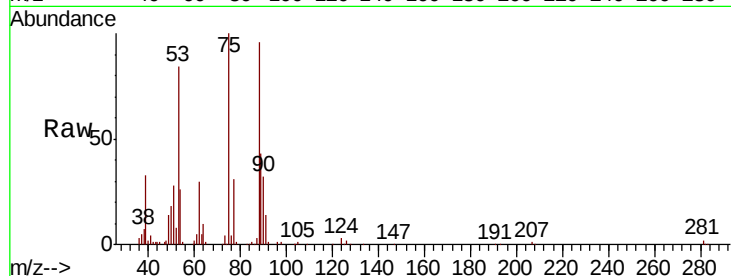
#81
trans-1,4-Dichloro-2-butene
Concen: 46.796 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.1	66.2	99.4
89	44.0	33.9	50.9

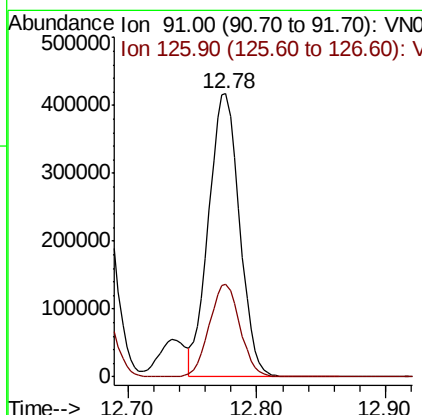
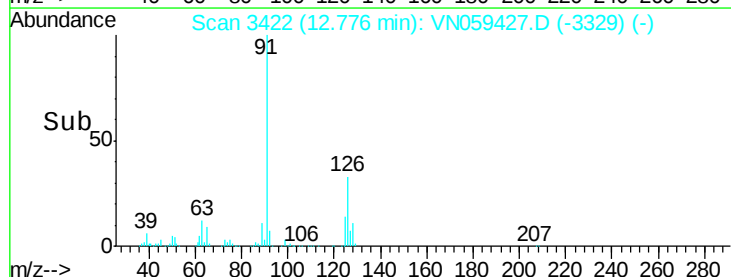
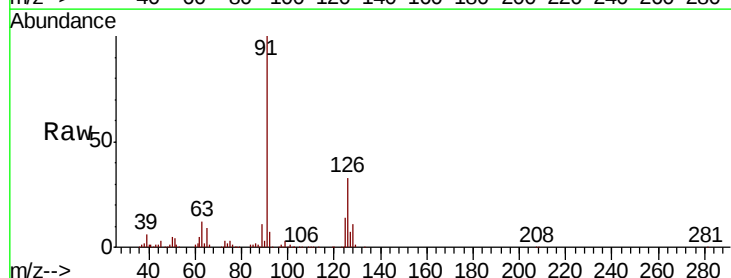
Manual Integrations
APPROVED

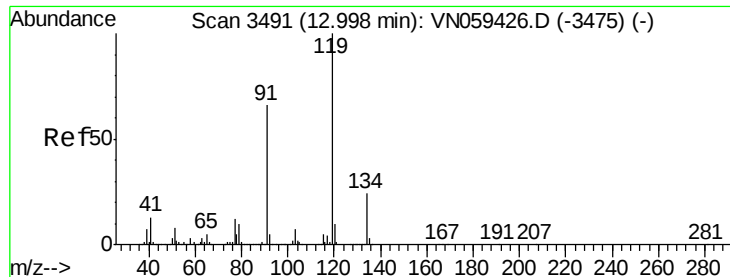
apatel
12/2/2019 10:09:08 AM



#82
4-Chlorotoluene
Concen: 47.698 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.0





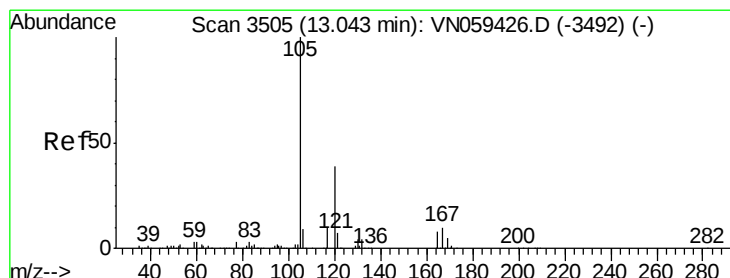
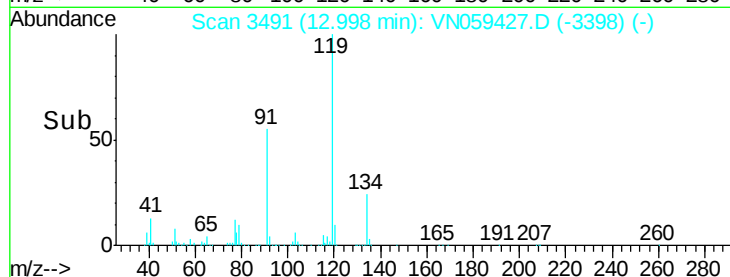
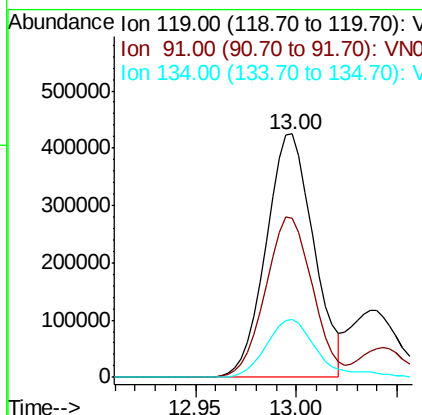
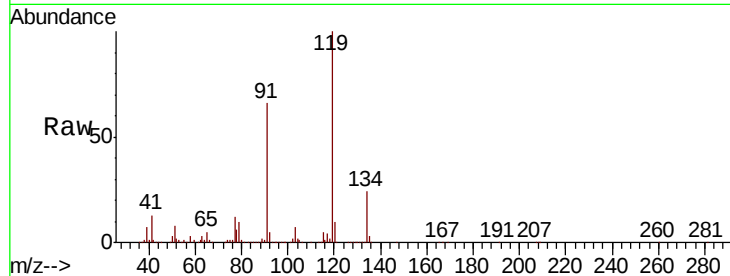
#83
tert-Butylbenzene
Concen: 47.051 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.8	98.4
134	25.6	12.9	38.6

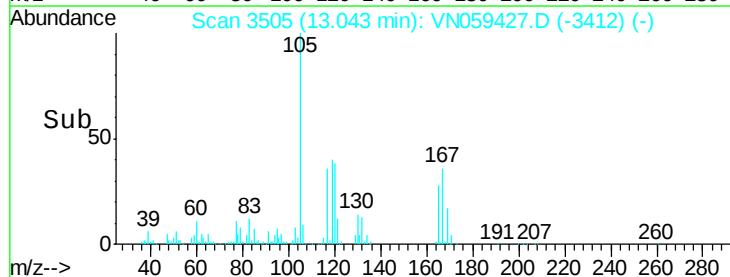
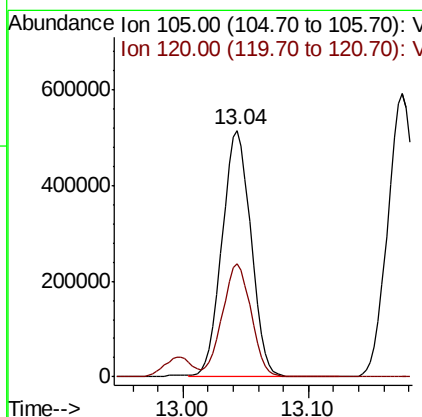
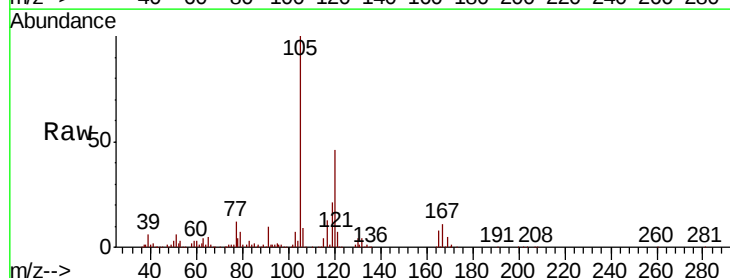
Manual Integrations
APPROVED

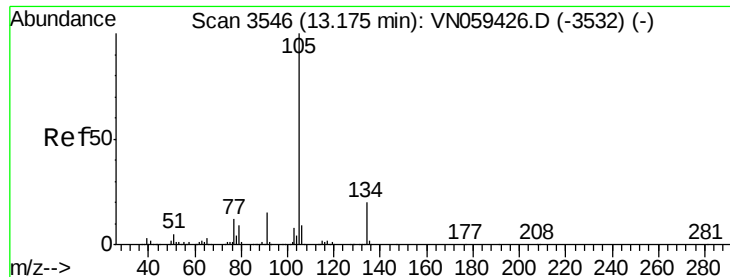
apatel
12/2/2019 10:09:08 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.621 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.7





#85

sec-Butylbenzene

Concen: 48.239 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112719

Tot Ion:105 Resp: 947637

Ion Ratio Lower Upper

105 100

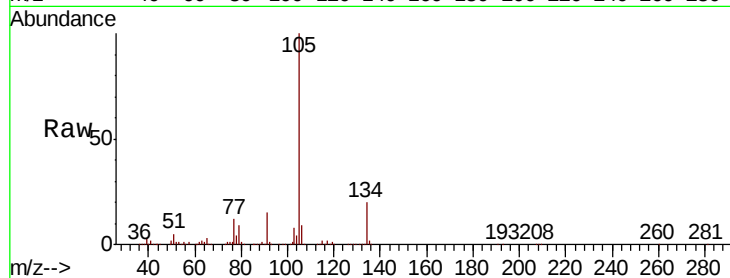
134 19.8 9.9 29.7

Manual Integrations

APPROVED

apatel

12/2/2019 10:09:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

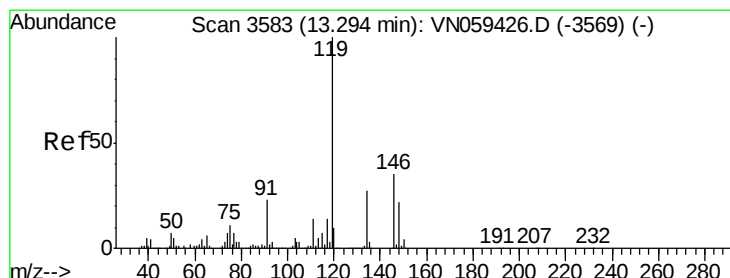
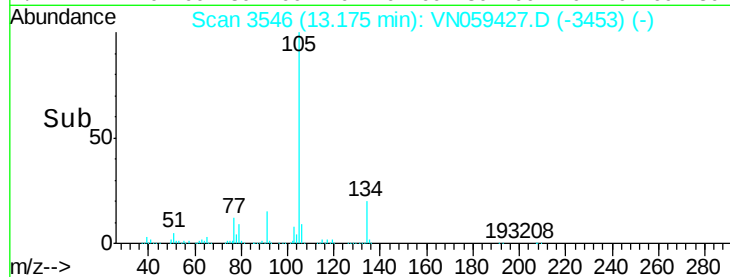
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.877 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

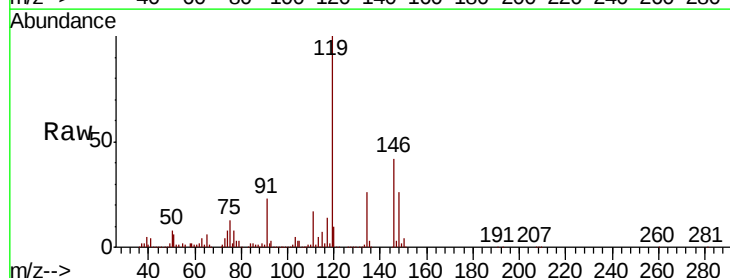
Tgt Ion:119 Resp: 868033

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.7 11.5 34.4



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

13.29

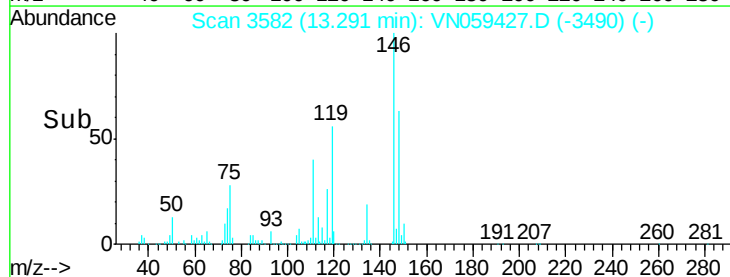
600000

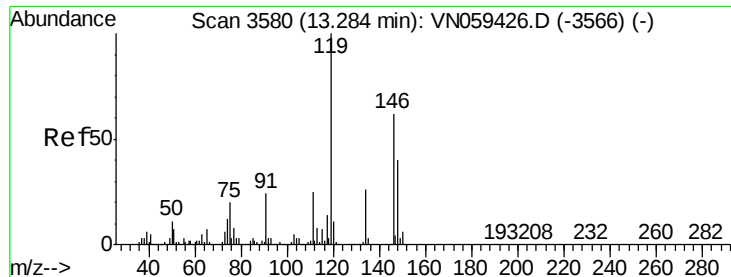
400000

200000

0

Time-->





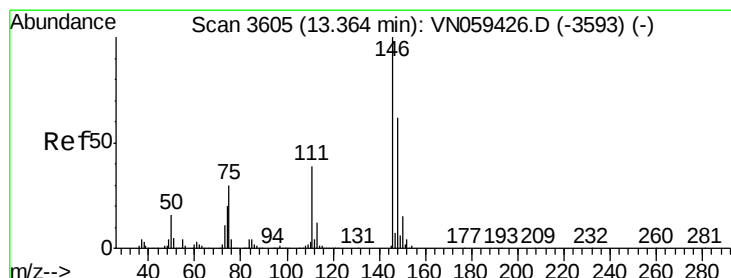
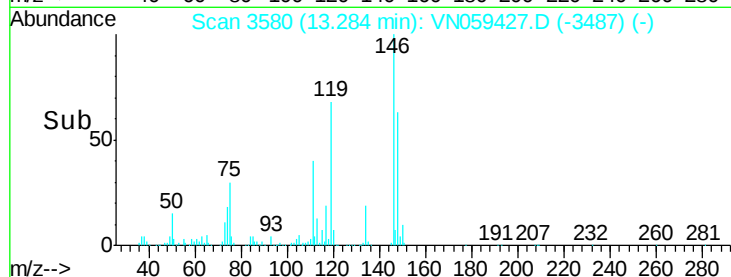
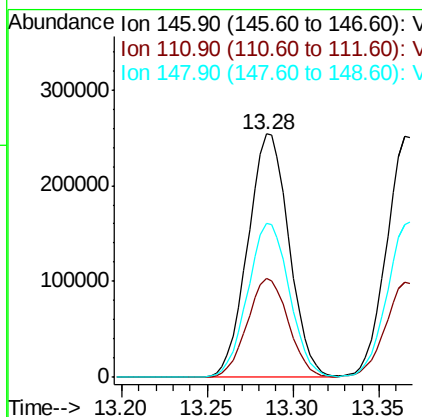
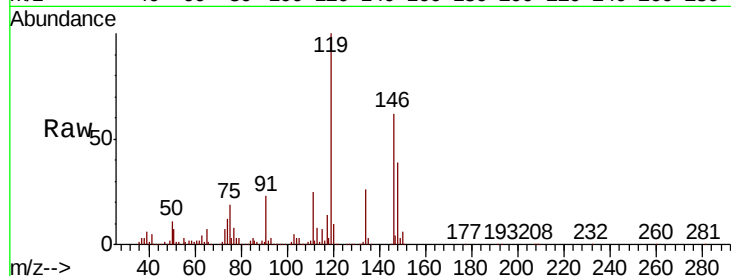
#87
 1,3-Dichlorobenzene
 Concen: 47.507 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	63.9	32.1	96.3

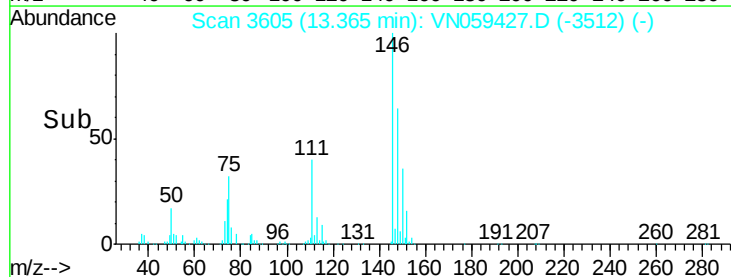
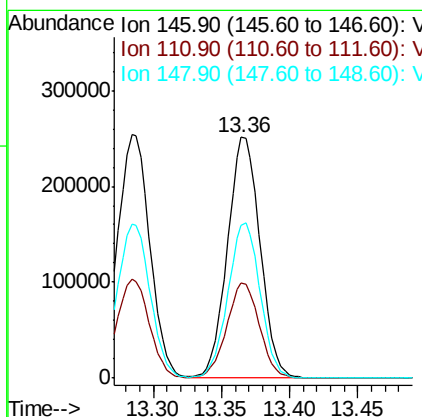
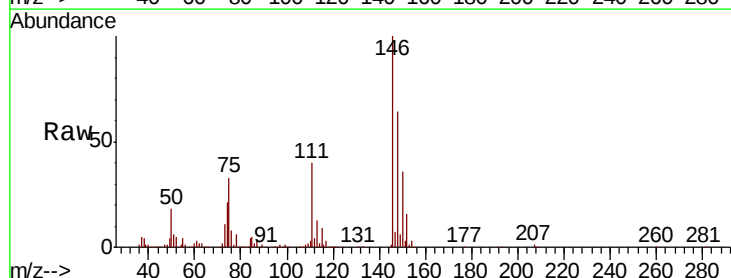
Manual Integrations
 APPROVED

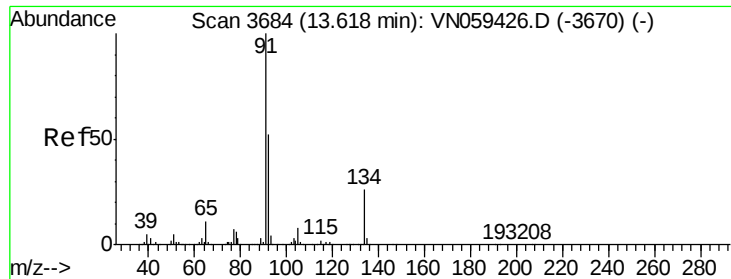
apatel
 12/2/2019 10:09:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.722 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.7
148	63.6	31.6	95.0





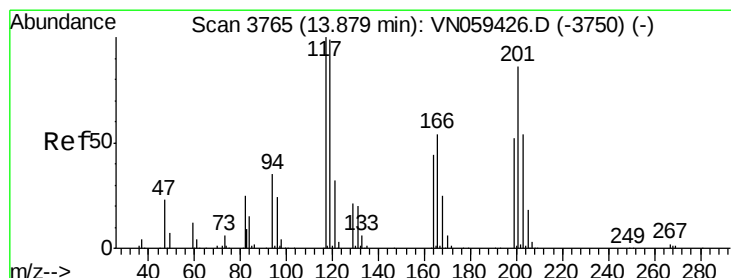
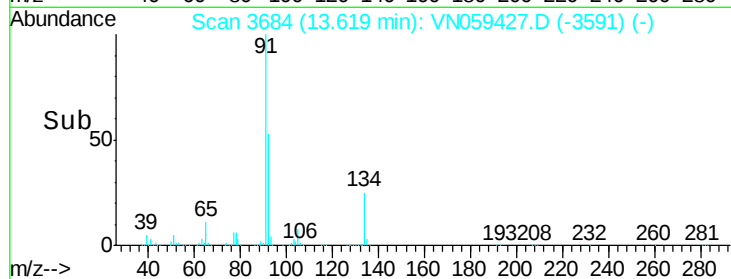
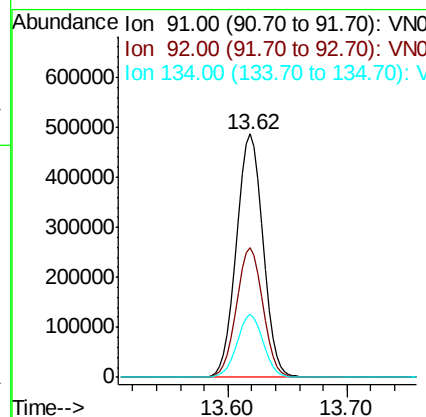
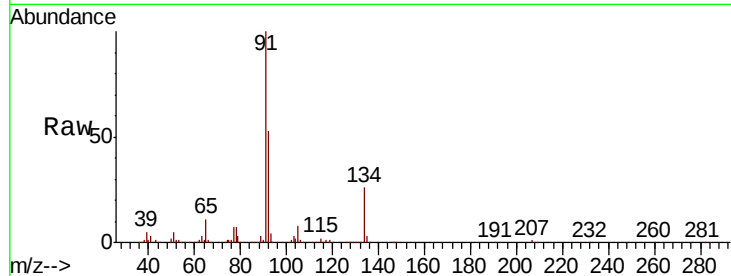
#89
n-Butylbenzene
Concen: 48.671 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112719

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.9	77.8
134	25.4	12.8	38.4

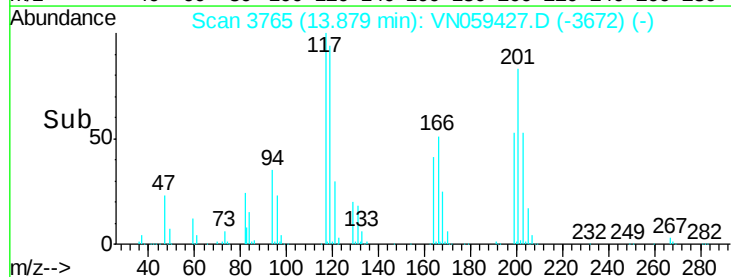
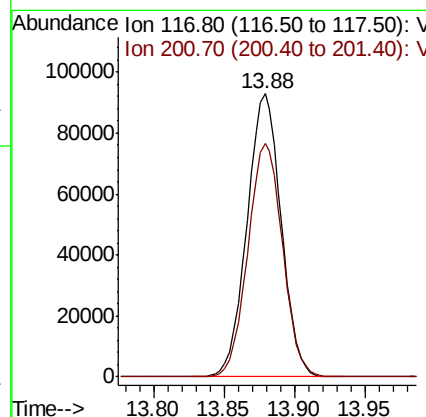
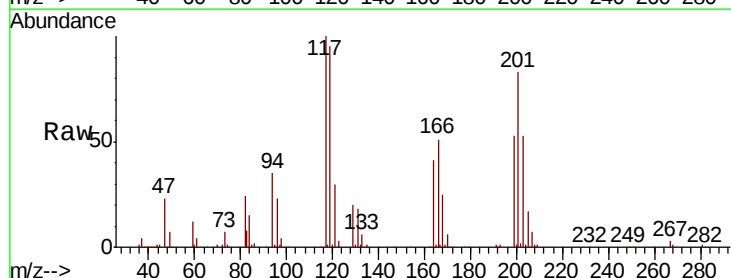
Manual Integrations
APPROVED

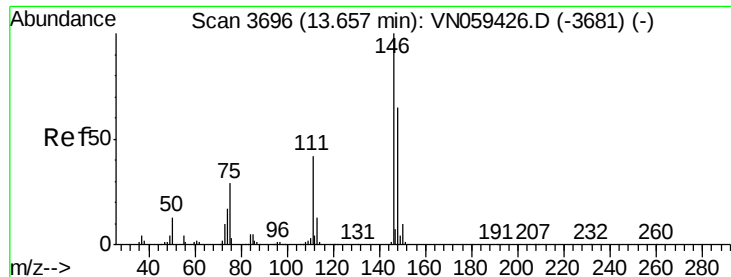
apatel
12/2/2019 10:09:08 AM



#90
Hexachloroethane
Concen: 46.413 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.1	126.4





#91

1,2-Dichlorobenzene

Concen: 46.734 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

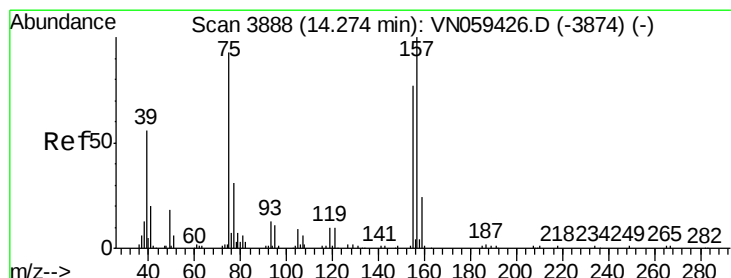
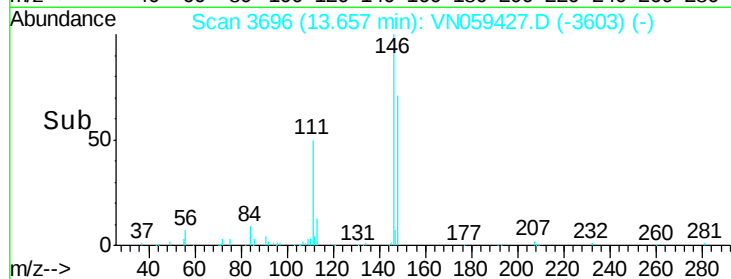
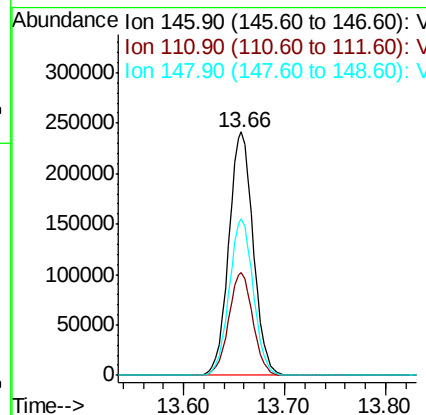
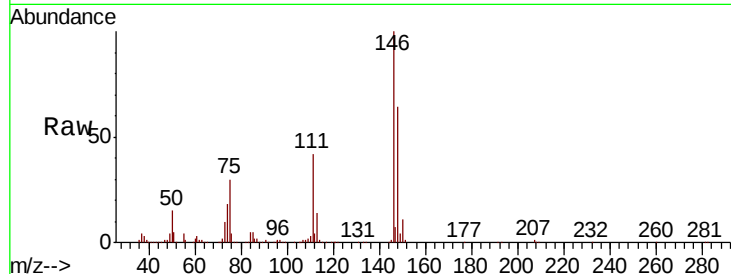
ClientSampleId :

ICVVN112719

Tot Ion:	146	Resp:	407216
Ion Ratio		Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.7	32.0	96.2

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.469 ug/l

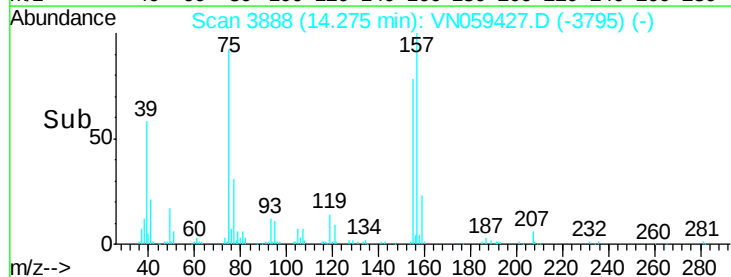
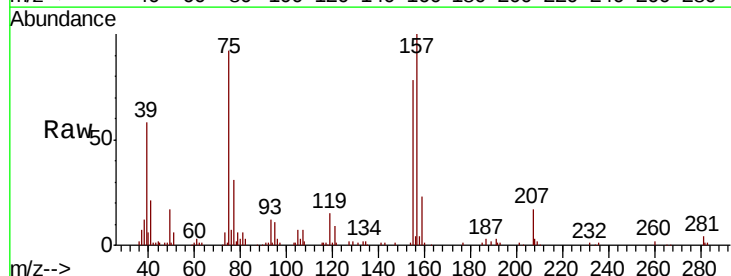
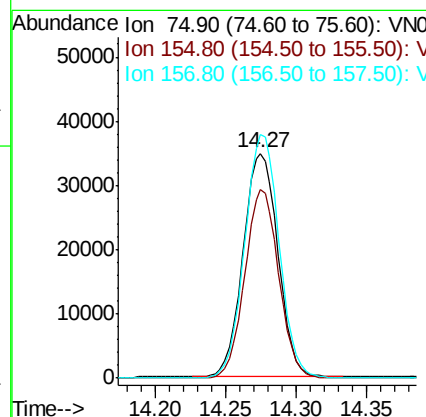
RT: 14.27 min Scan# 3888

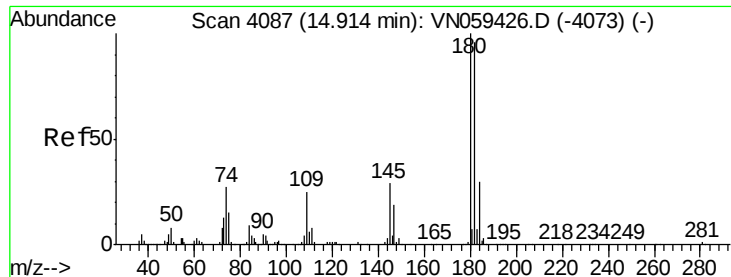
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	75	Resp:	60450
Ion Ratio		Lower	Upper
75	100		
155	81.6	41.9	125.8
157	107.5	54.1	162.3





#93

1,2,4-Trichlorobenzene

Concen: 46.352 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

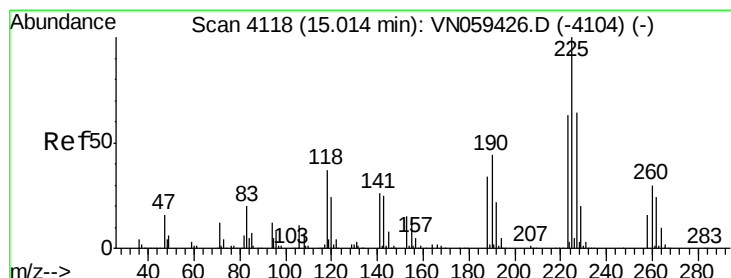
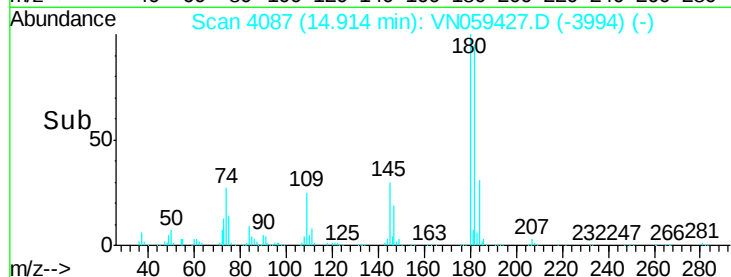
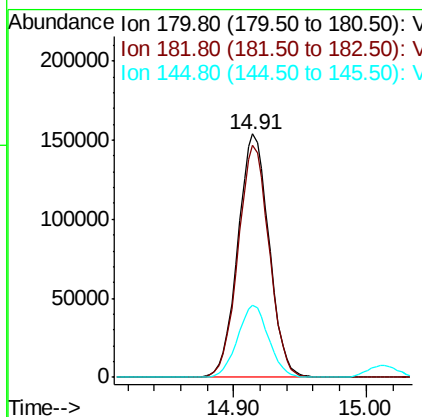
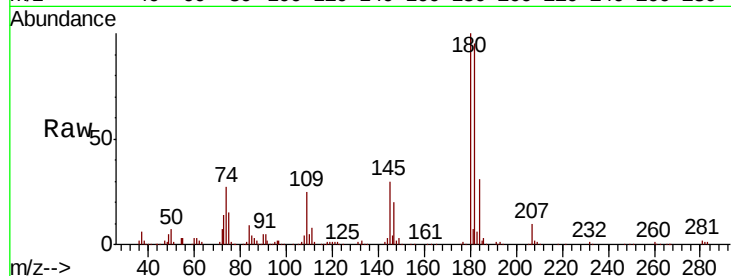
ClientSampled :

ICVVN112719

Tot Ion:	180	Resp:	251061
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.3	142.0
145	29.6	14.8	44.4

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#94

Hexachlorobutadiene

Concen: 43.778 ug/l

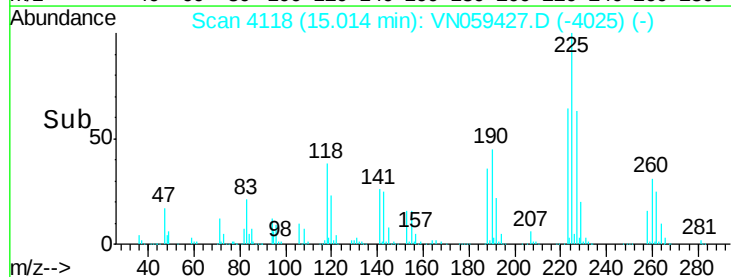
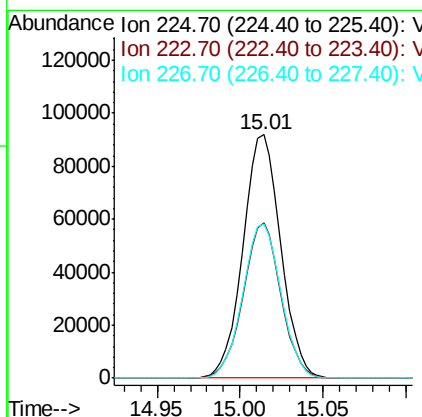
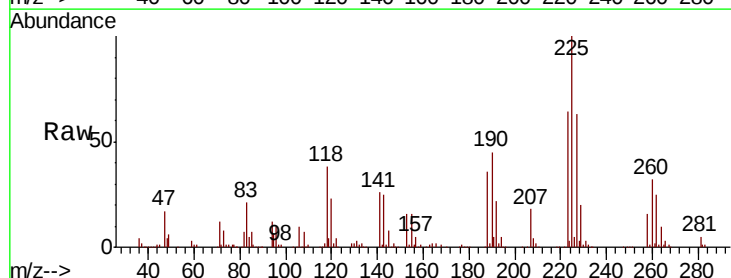
RT: 15.01 min Scan# 4118

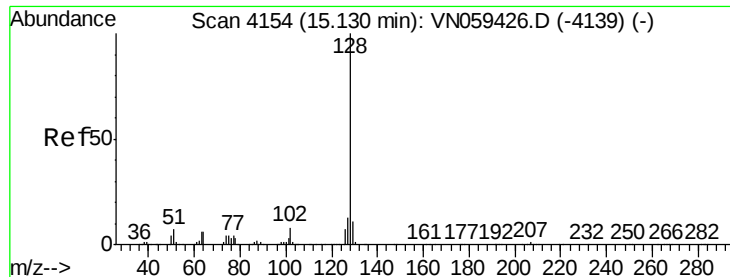
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	225	Resp:	145314
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.5	94.5
227	64.2	31.9	95.7





#95

Naphthalene

Concen: 52.849 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

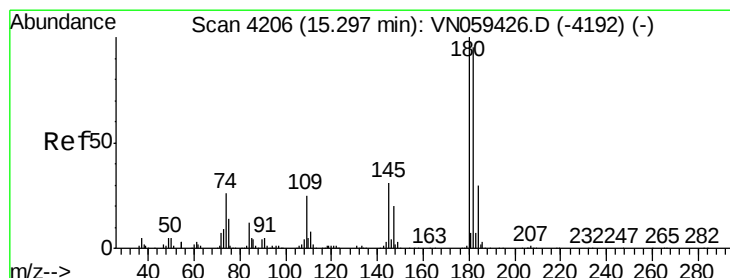
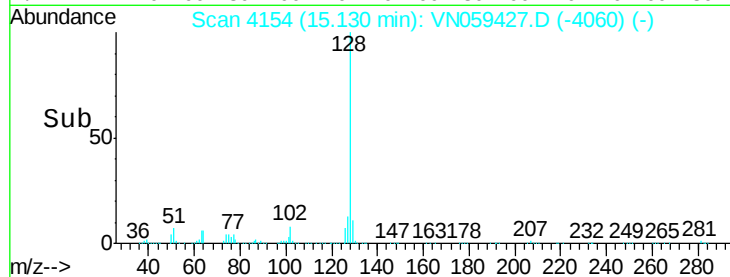
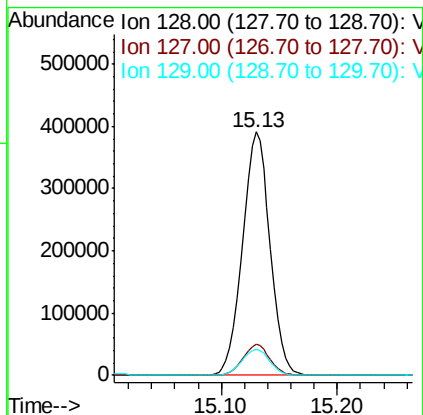
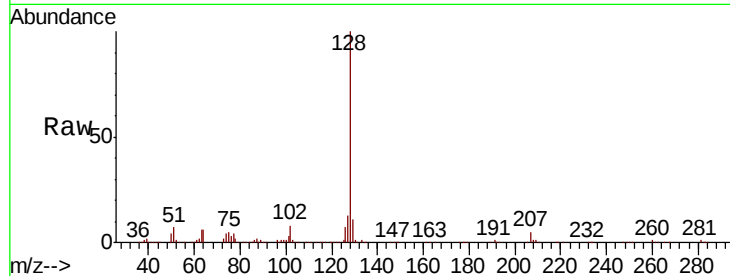
ClientSampleId :

ICVVN112719

Tot Ion:	128	Resp:	642531
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:09:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.349 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	180	Resp:	247238
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	31.8	15.7	47.1

