

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
 Data File : VN059568.D
 Acq On : 12 Dec 2019 11:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/13/2019 2:16:59 PM

Quant Time: Dec 13 08:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	257837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	415480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	382856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	195171	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	7.56	113	137667	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	10.08	98	533171	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.40	95	198276	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	150975	50.767	ug/l	100
3) Chloromethane	2.04	50	229906	51.070	ug/l	99
4) Vinyl Chloride	2.17	62	236762	53.358	ug/l	100
5) Bromomethane	2.54	94	141584	52.386	ug/l	99
6) Chloroethane	2.68	64	137490	51.890	ug/l	98
7) Trichlorofluoromethane	3.00	101	277366	52.291	ug/l	100
8) Diethyl Ether	3.38	74	97371	53.564	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	137159	49.686	ug/l	99
10) Methyl Iodide	3.92	142	185817	49.711	ug/l	99
11) Tert butyl alcohol	4.74	59	163312	273.937	ug/l	99
12) 1,1-Dichloroethene	3.71	96	131850	49.132	ug/l	95
13) Acrolein	3.57	56	103357	356.266	ug/l	98
14) Allyl chloride	4.29	41	270398	52.379	ug/l	99
15) Acrylonitrile	4.94	53	437942	278.525	ug/l	99
16) Acetone	3.78	43	475457	282.441	ug/l	100
17) Carbon Disulfide	4.02	76	410907	48.270	ug/l	99
18) Methyl Acetate	4.29	43	234217	52.994	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	509882	57.158	ug/l	100
20) Methylene Chloride	4.52	84	169230	55.818	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	148922	51.704	ug/l	97
22) Diisopropyl ether	5.91	45	561019	57.086	ug/l	98
23) Vinyl Acetate	5.86	43	2368113	288.868	ug/l	100
24) 1,1-Dichloroethane	5.81	63	300875	53.923	ug/l	99
25) 2-Butanone	6.80	43	653493	288.404	ug/l	100
26) 2,2-Dichloropropane	6.79	77	269617	53.487	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	172991	53.397	ug/l	99
28) Bromochloromethane	7.17	49	108815	51.014	ug/l	100
29) Tetrahydrofuran	7.18	42	419196	265.966	ug/l	100
30) Chloroform	7.35	83	300344	54.540	ug/l	99
31) Cyclohexane	7.63	56	267402	49.245	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	259131	53.043	ug/l	100
36) 1,1-Dichloropropene	7.77	75	223958	52.539	ug/l	99
37) Ethyl Acetate	6.90	43	264179	53.049	ug/l	99
38) Carbon Tetrachloride	7.75	117	229896	54.716	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
 Data File : VN059568.D
 Acq On : 12 Dec 2019 11:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/13/2019 2:16:59 PM

Quant Time: Dec 13 08:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	260640	54.510	ug/l	98
40) Benzene	8.02	78	654773	53.770	ug/l	99
41) Methacrylonitrile	7.15	41	118364m	57.138	ug/l	
42) 1,2-Dichloroethane	8.10	62	257795	56.820	ug/l	99
43) Isopropyl Acetate	8.14	43	420980	57.212	ug/l	99
44) Trichloroethene	8.82	130	165826	53.903	ug/l	96
45) 1,2-Dichloropropane	9.10	63	180998	56.108	ug/l	100
46) Dibromomethane	9.19	93	117931	55.317	ug/l	98
47) Bromodichloromethane	9.39	83	239582	56.545	ug/l	100
48) Methyl methacrylate	9.18	41	191771	59.605	ug/l	99
49) 1,4-Dioxane	9.18	88	58695	1425.856	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1300681	278.294	ug/l	100
52) Toluene	10.14	92	405562	55.897	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	283892	57.507	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	294628	58.313	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	163485	55.713	ug/l	99
56) Ethyl methacrylate	10.42	69	259154	51.213	ug/l	100
57) 1,3-Dichloropropane	10.70	76	286406	57.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	431376	358.844	ug/l	100
59) 2-Hexanone	10.74	43	988448	276.559	ug/l	100
60) Dibromochloromethane	10.90	129	185038	52.775	ug/l	99
61) 1,2-Dibromoethane	11.00	107	171841	56.252	ug/l	99
64) Tetrachloroethene	10.62	164	158104	56.504	ug/l	100
65) Chlorobenzene	11.43	112	430950	53.720	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	166347	55.598	ug/l	99
67) Ethyl Benzene	11.51	91	795853	55.131	ug/l	100
68) m/p-Xylenes	11.62	106	592434	109.401	ug/l	98
69) o-Xylene	11.94	106	283583	56.263	ug/l	96
70) Styrene	11.96	104	475760	56.975	ug/l	99
71) Bromoform	12.12	173	131504	55.860	ug/l #	100
73) Isopropylbenzene	12.25	105	766405	54.195	ug/l	99
74) N-amyl acetate	12.07	43	368878	59.882	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	246132	51.364	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	251336m	52.132	ug/l	
77) Bromobenzene	12.52	156	182572	51.857	ug/l	93
78) n-propylbenzene	12.59	91	923016	53.115	ug/l	99
79) 2-Chlorotoluene	12.67	91	539346	52.049	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	651074	53.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	97868	54.616	ug/l	89
82) 4-Chlorotoluene	12.77	91	568964	53.698	ug/l	99
83) tert-Butylbenzene	12.99	119	543168	53.712	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	656249	54.805	ug/l	99
85) sec-Butylbenzene	13.17	105	756301	54.449	ug/l	99
86) p-Isopropyltoluene	13.29	119	699466	56.342	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	341062	52.595	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	336957	53.068	ug/l	99
89) n-Butylbenzene	13.61	91	650093	55.769	ug/l	98
90) Hexachloroethane	13.87	117	128133	56.200	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	330183	54.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56825	51.643	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
Data File : VN059568.D
Acq On : 12 Dec 2019 11:56
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM

Quant Time: Dec 13 08:32:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205668	48.864	ug/l	99
94) Hexachlorobutadiene	15.01	225	110805	51.530	ug/l	100
95) Naphthalene	15.12	128	601413	48.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	195636	47.829	ug/l	98

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

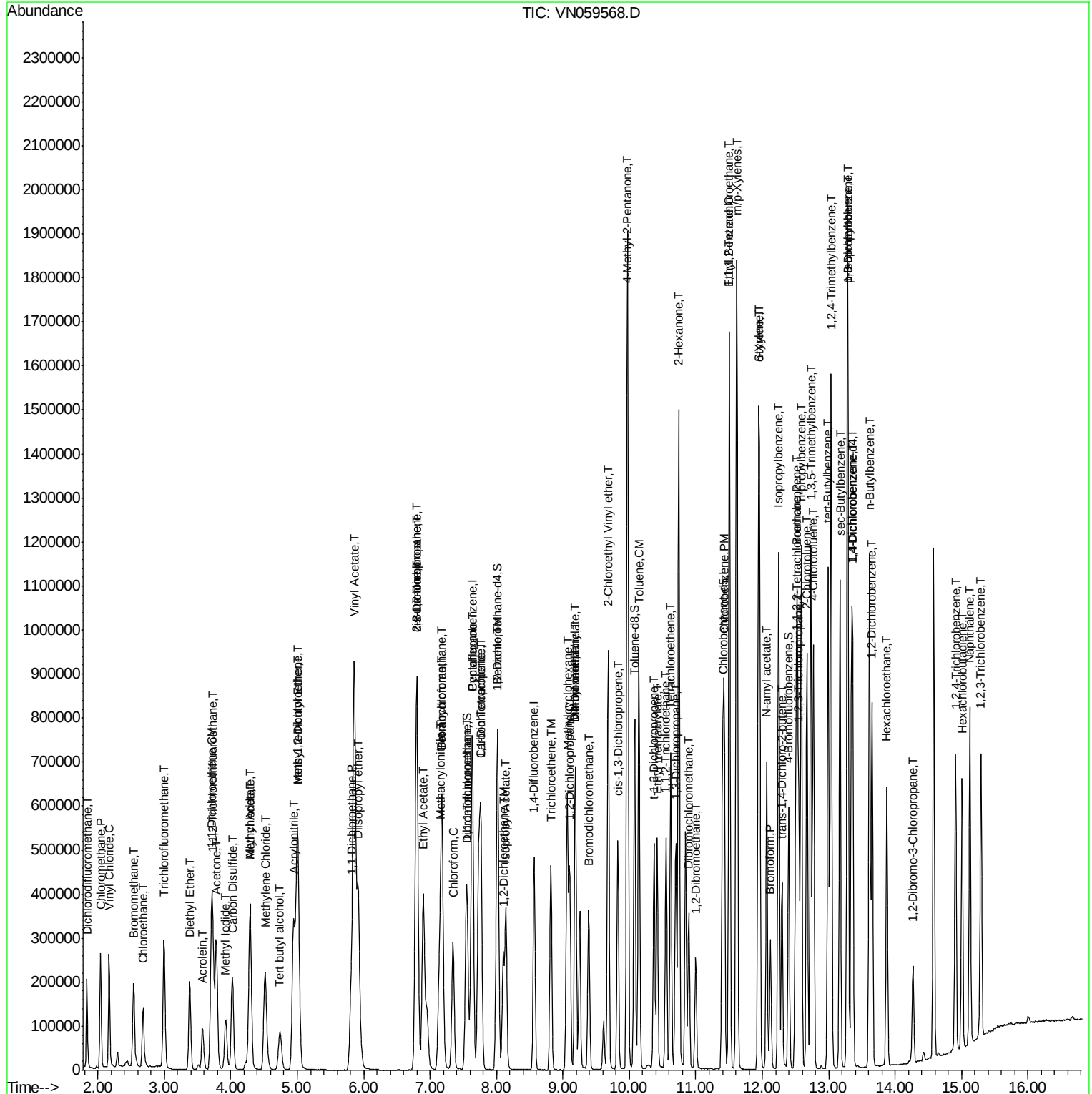
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121219\
Data File : VN059568.D
Acq On : 12 Dec 2019 11:56
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

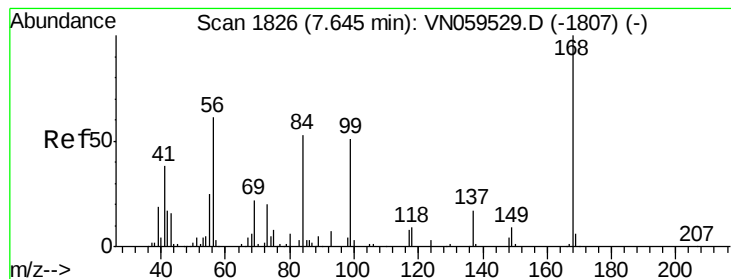
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM

Quant Time: Dec 13 08:32:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 257837

Ion Ratio Lower Upper

168 100

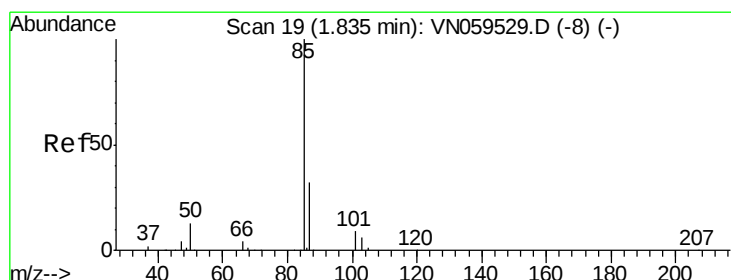
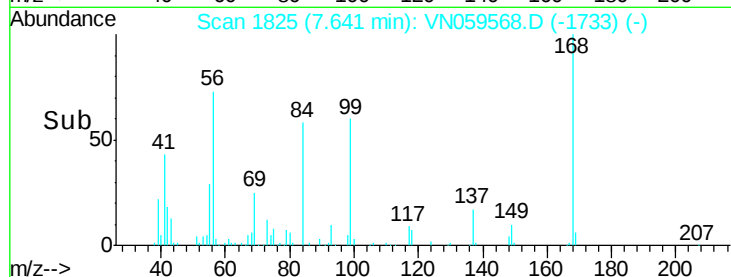
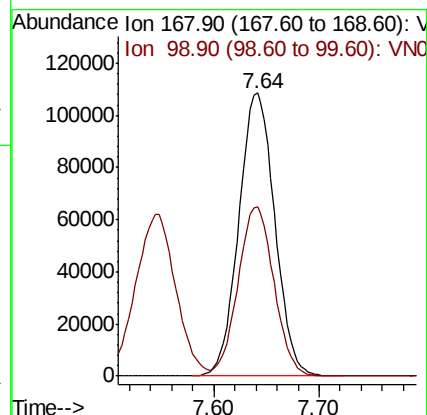
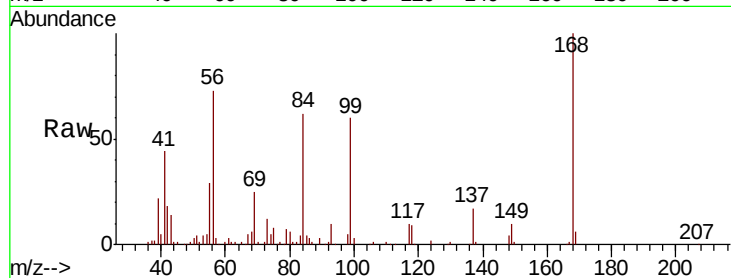
99 59.7 46.6 70.0

Manual Integrations

APPROVED

apatel

12/13/2019 2:16:59 PM



#2

Dichlorodifluoromethane

Concen: 50.767 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059568.D

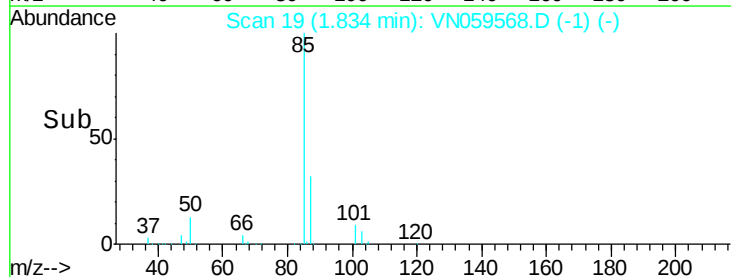
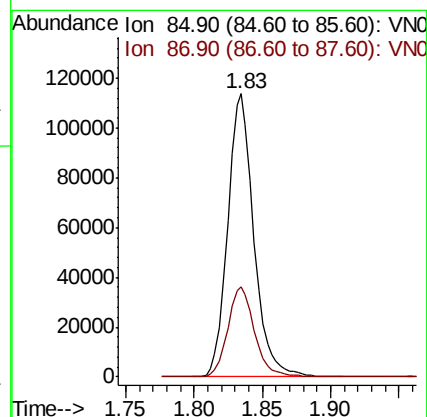
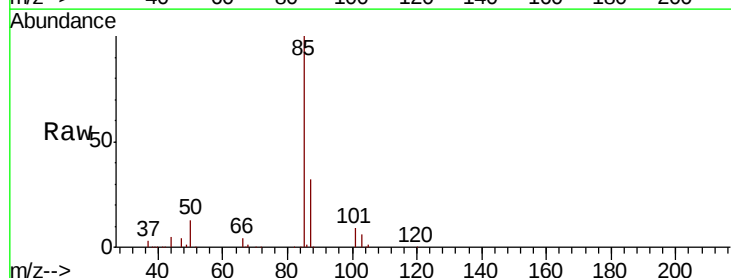
Acq: 12 Dec 2019 11:56

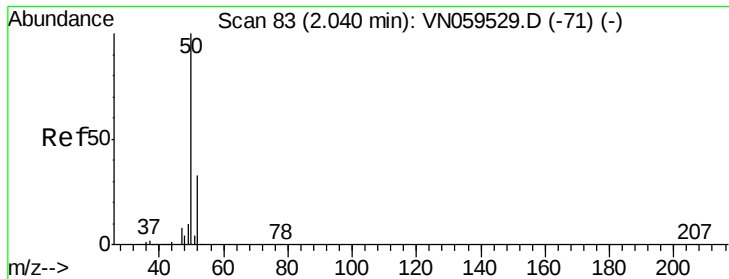
Tgt Ion: 85 Resp: 150975

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





#3

Chloromethane

Concen: 51.070 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 229906

Ion Ratio Lower Upper

50 100

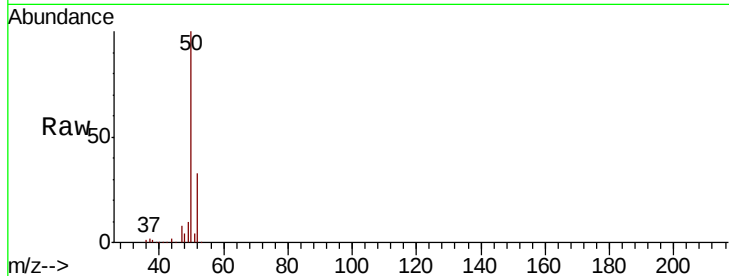
52 33.4 26.2 39.4

Manual Integrations

APPROVED

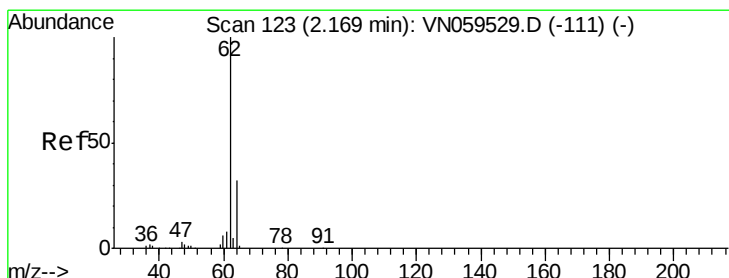
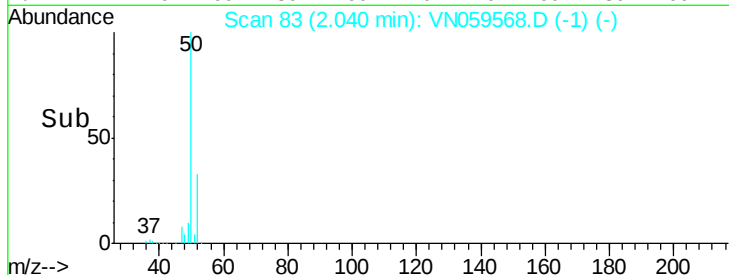
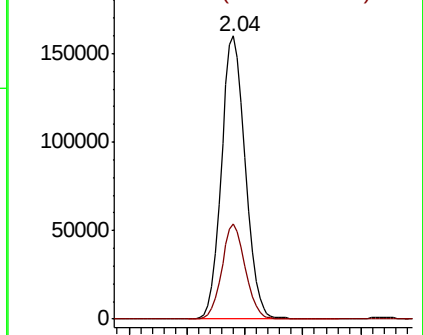
apatel

12/13/2019 2:16:59 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 53.358 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059568.D

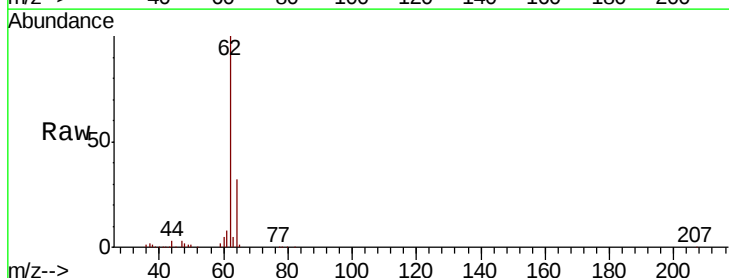
Acq: 12 Dec 2019 11:56

Tgt Ion: 62 Resp: 236762

Ion Ratio Lower Upper

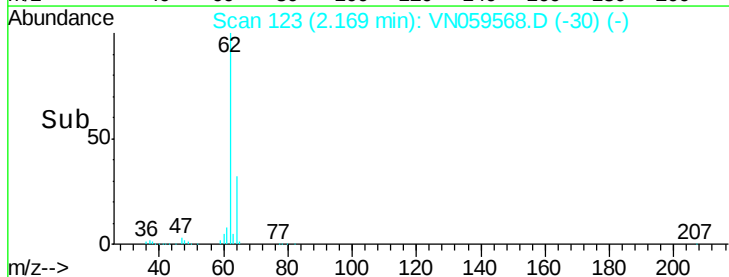
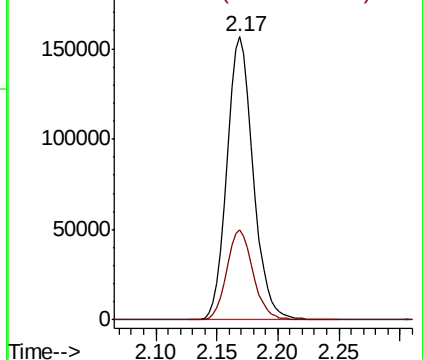
62 100

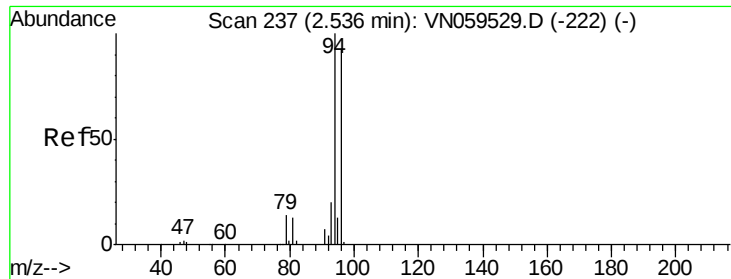
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.386 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 141584

Ion Ratio Lower Upper

94 100

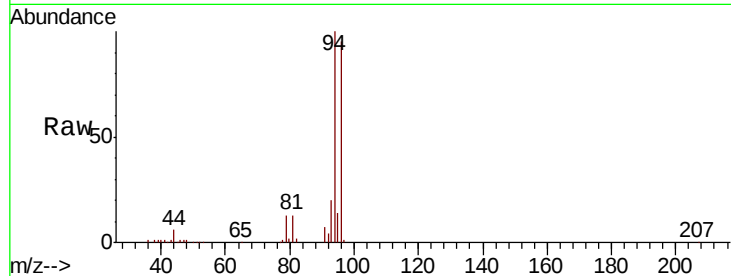
96 94.7 74.6 112.0

Manual Integrations

APPROVED

apatel

12/13/2019 2:16:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VN059529.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059529.D (-222) (-)

2.54

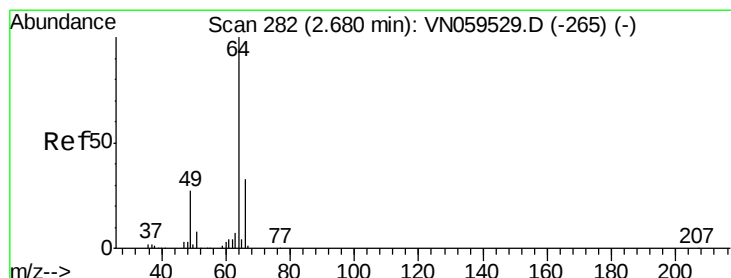
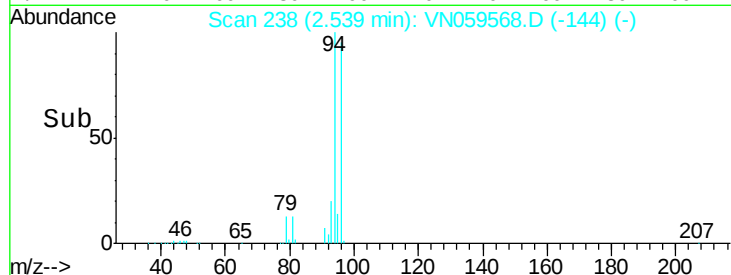
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.890 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059568.D

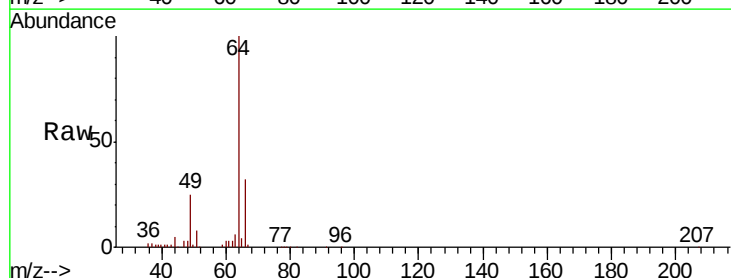
Acq: 12 Dec 2019 11:56

Tgt Ion: 64 Resp: 137490

Ion Ratio Lower Upper

64 100

66 32.3 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN059529.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059529.D (-265) (-)

2.68

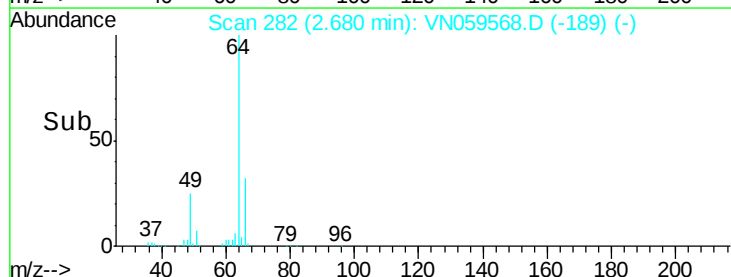
60000

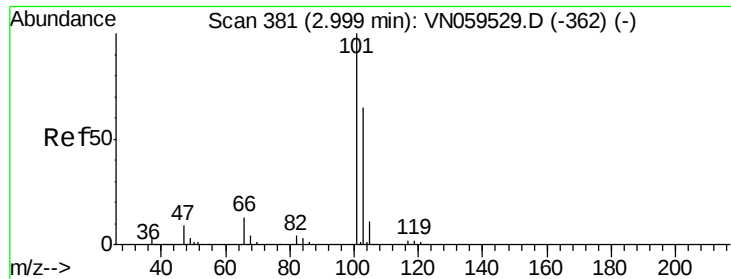
40000

20000

0

Time-->





#7

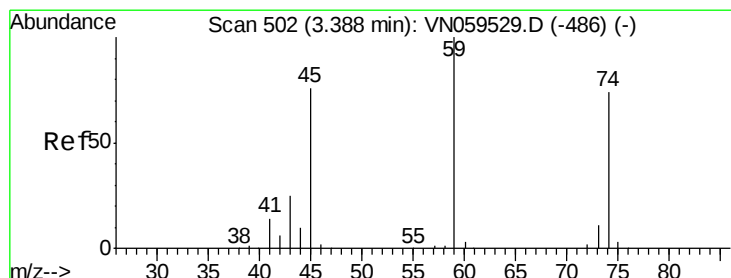
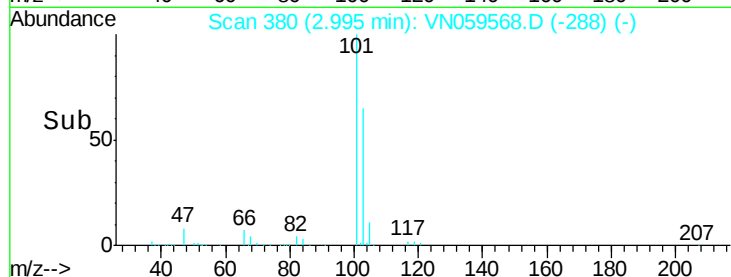
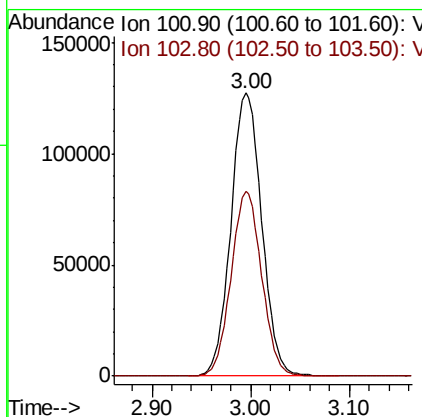
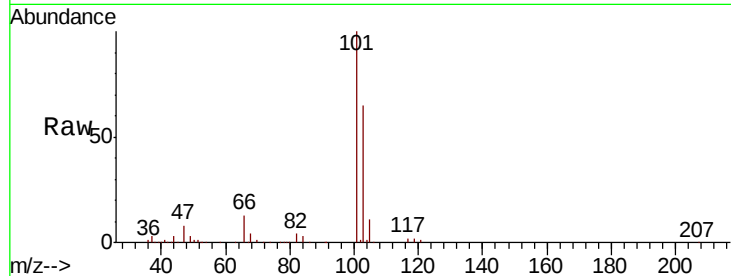
Trichlorofluoromethane
Concen: 52.291 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

Manual Integrations
APPROVED

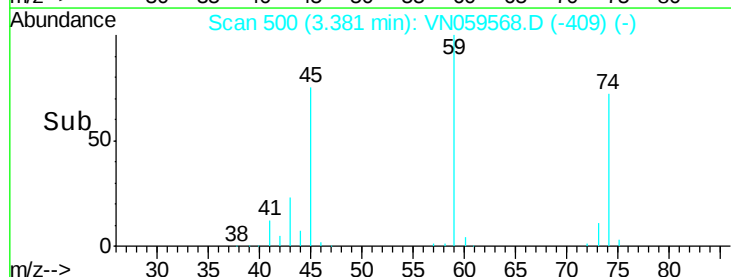
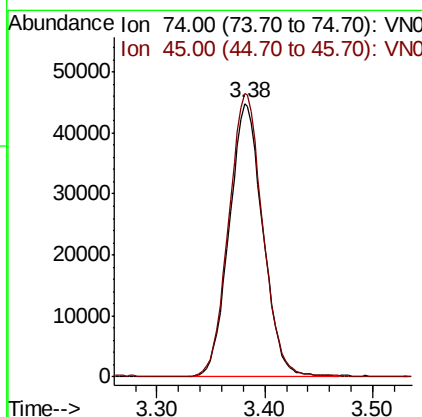
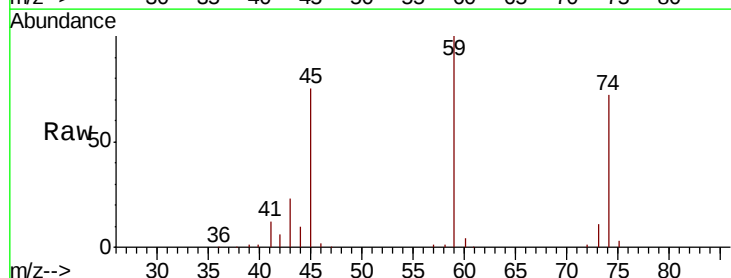
apatel
12/13/2019 2:16:59 PM

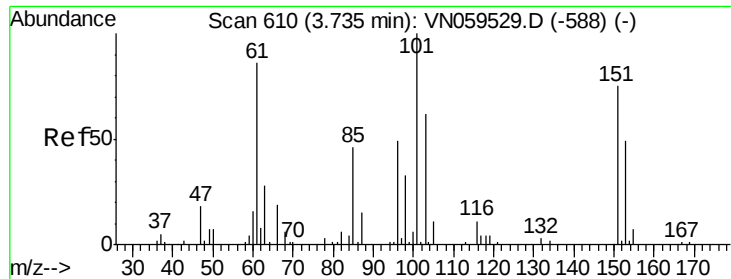


#8

Diethyl Ether
Concen: 53.564 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.686 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

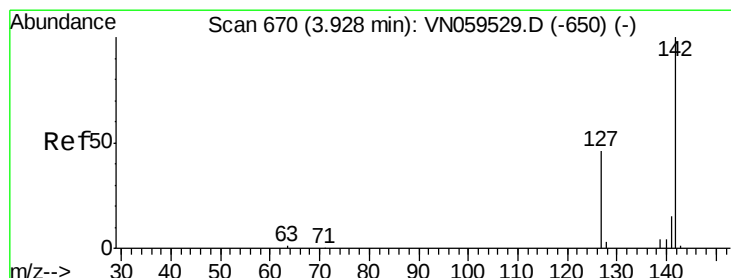
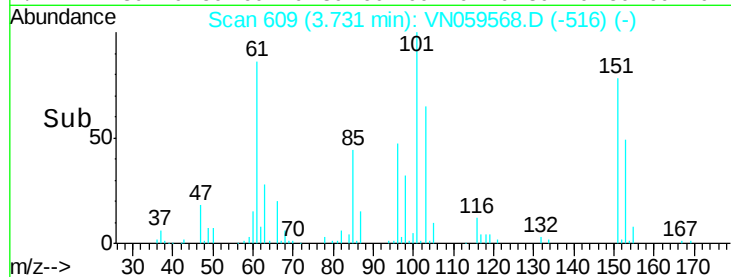
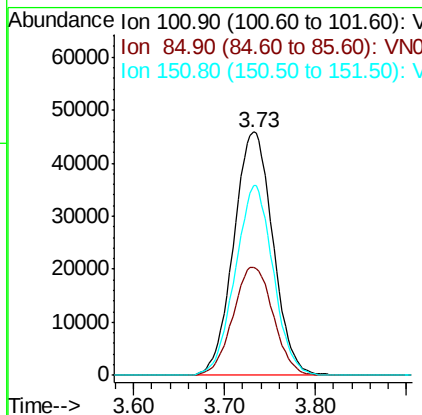
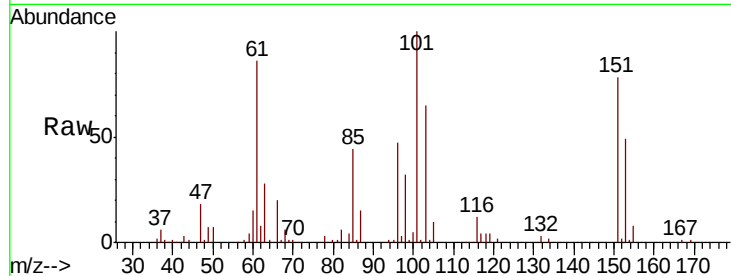
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	137159
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	54.8
151	75.6	59.3	88.9

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#10

Methyl Iodide

Concen: 49.711 ug/l

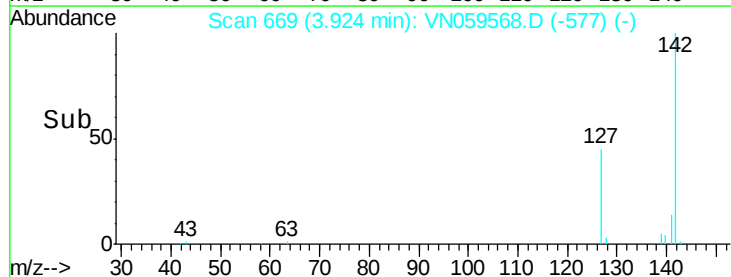
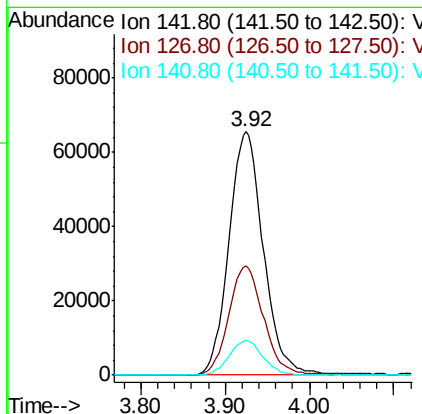
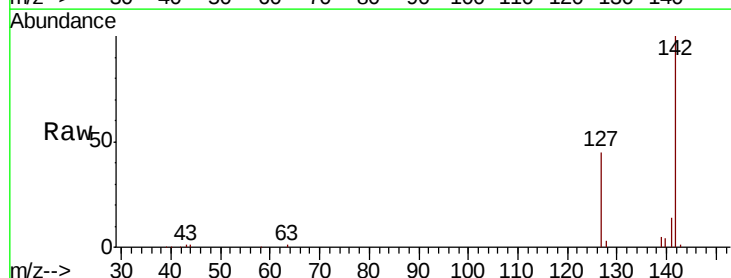
RT: 3.92 min Scan# 669

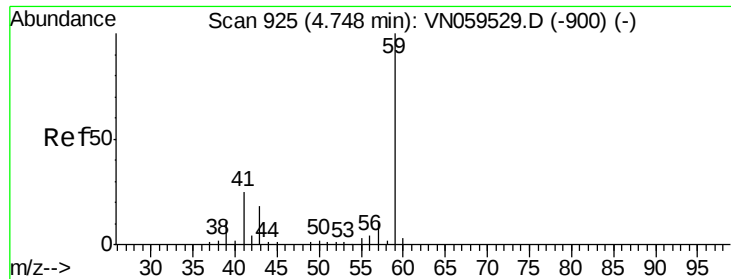
Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion:	142	Resp:	185817
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.6	54.8
141	13.9	11.6	17.4





#11

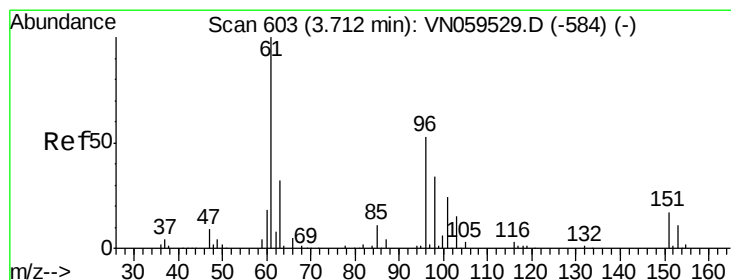
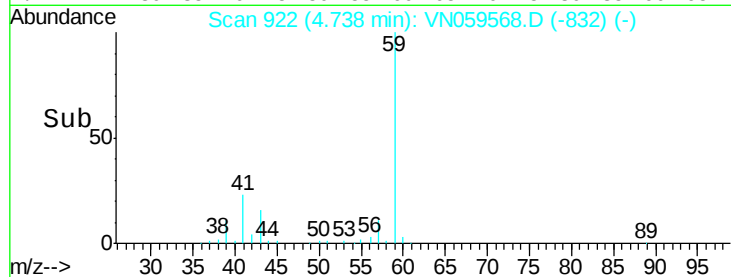
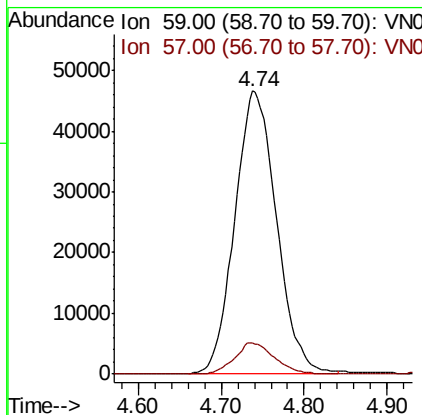
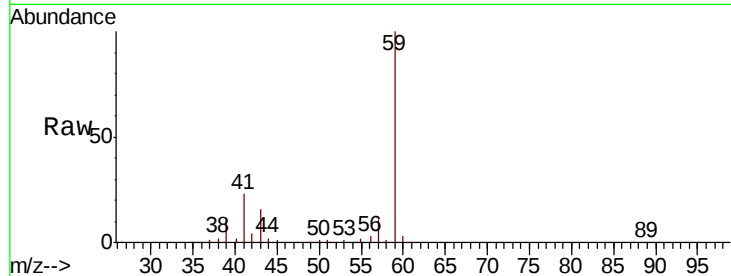
Tert butyl alcohol
Concen: 273.937 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

Manual Integrations
APPROVED

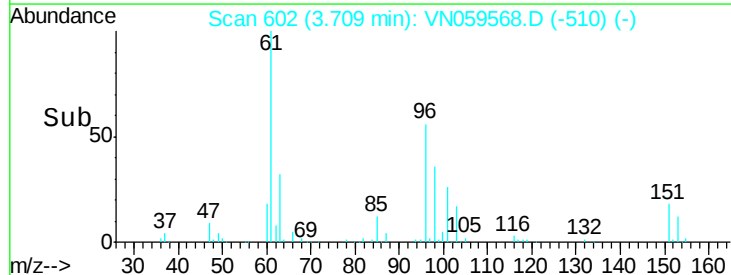
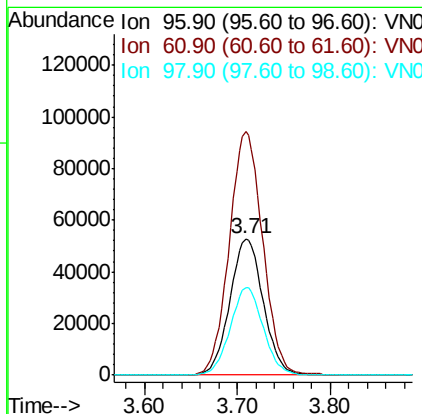
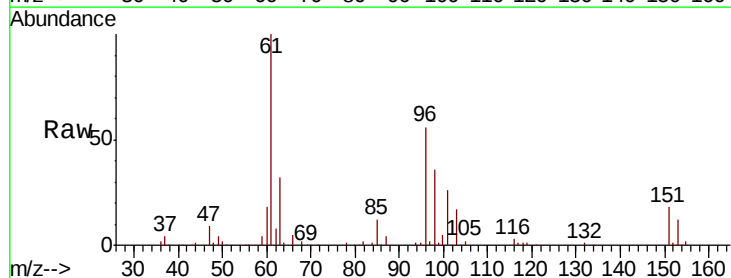
apatel
12/13/2019 2:16:59 PM

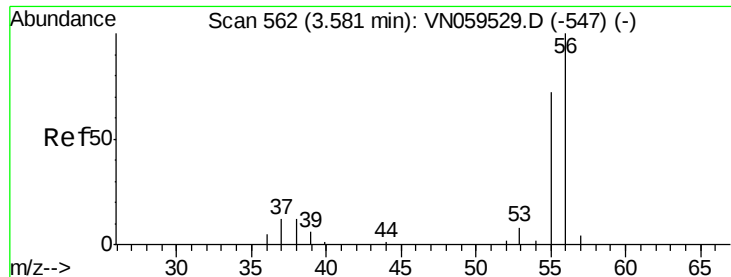


#12

1,1-Dichloroethene
Concen: 49.132 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	149.8	224.6
98	64.5	50.6	75.8





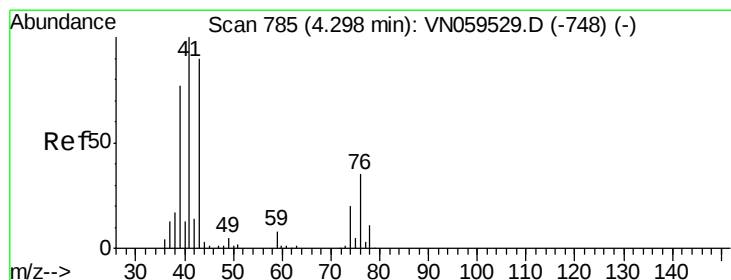
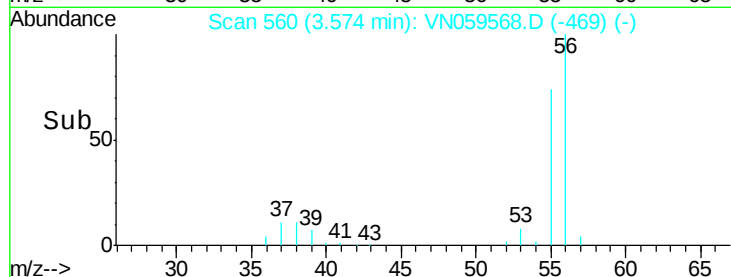
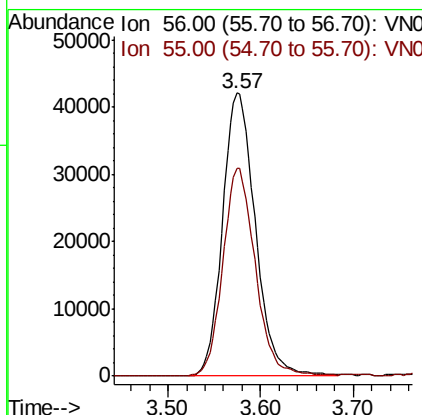
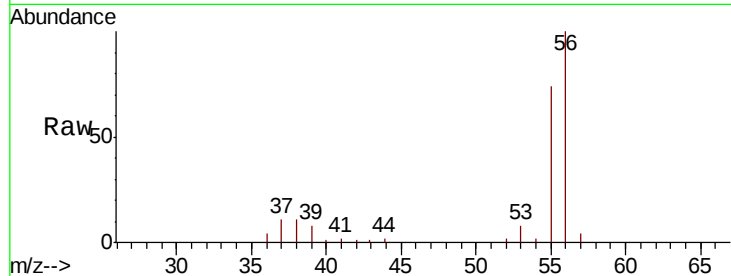
#13
Acrolein
Concen: 356.266 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	103357
Ion Ratio	100	Lower	Upper
56	100		
55	72.8	56.9	85.3

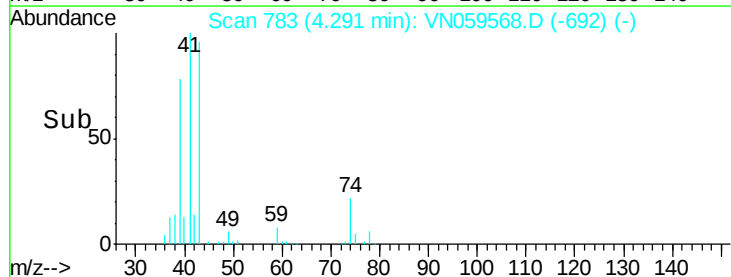
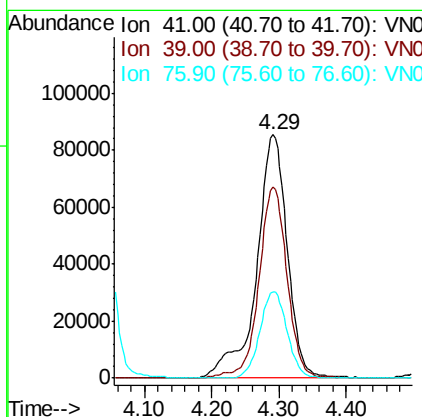
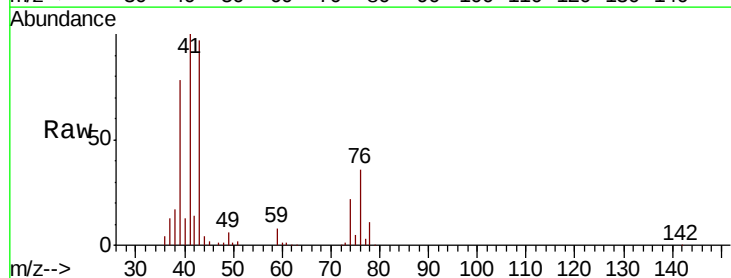
Manual Integrations
APPROVED

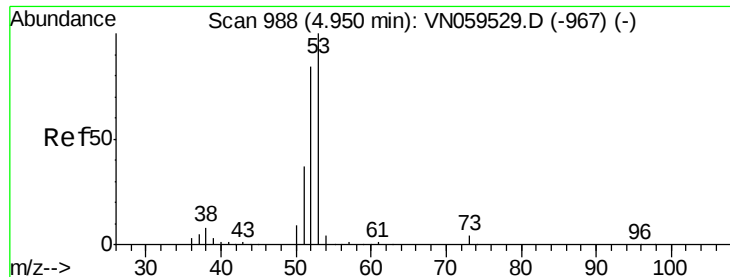
apatel
12/13/2019 2:16:59 PM



#14
Allyl chloride
Concen: 52.379 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	41	Resp	270398
Ion Ratio	100	Lower	Upper
41	100		
39	72.1	56.7	85.1
76	31.4	25.5	38.3





#15

Acrylonitrile

Concen: 278.525 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

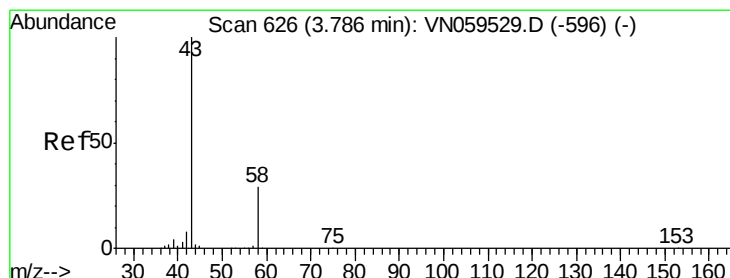
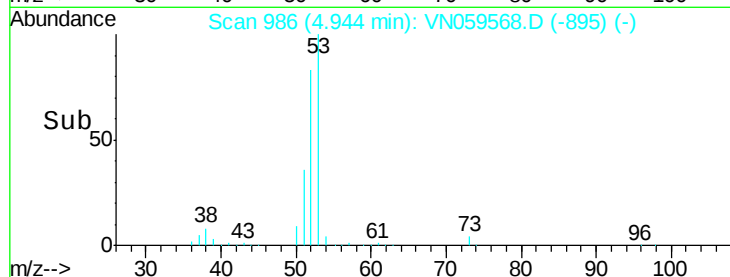
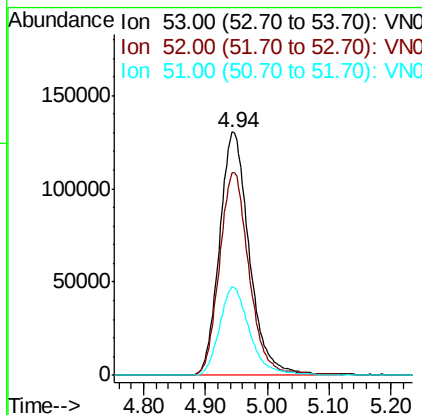
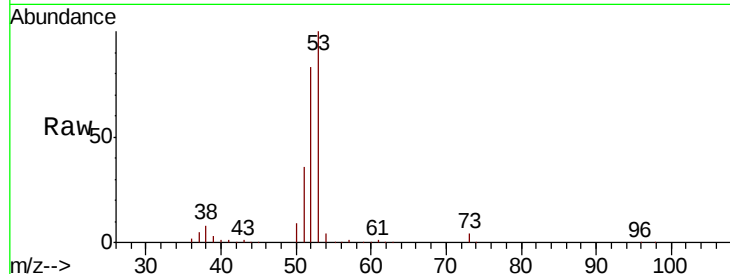
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	437942
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	36.7	29.8	44.8

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#16

Acetone

Concen: 282.441 ug/l

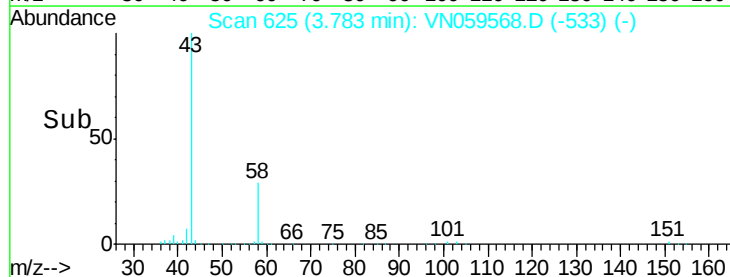
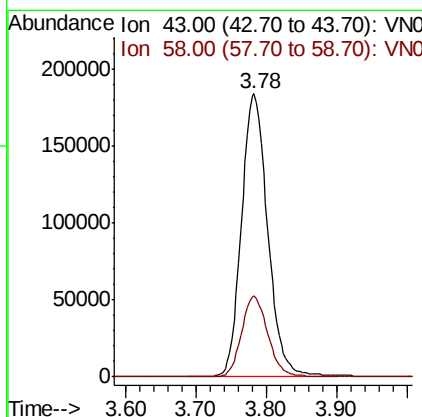
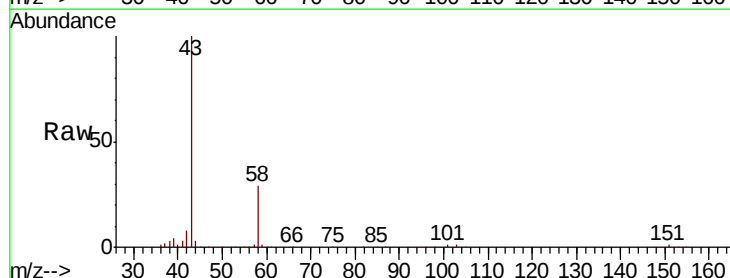
RT: 3.78 min Scan# 625

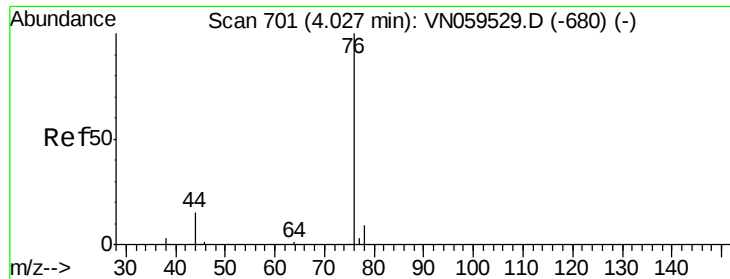
Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion:	43	Resp:	475457
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.0	34.4





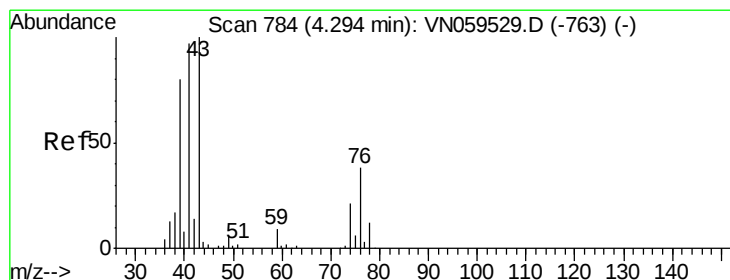
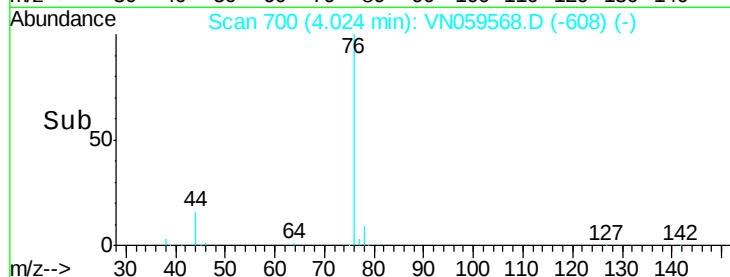
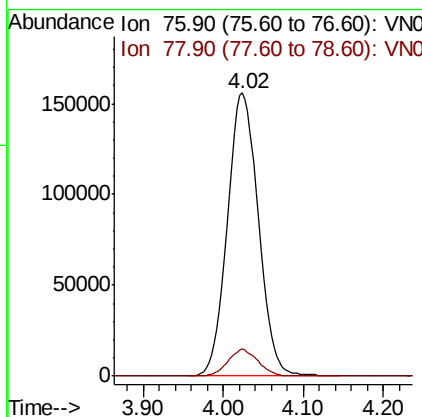
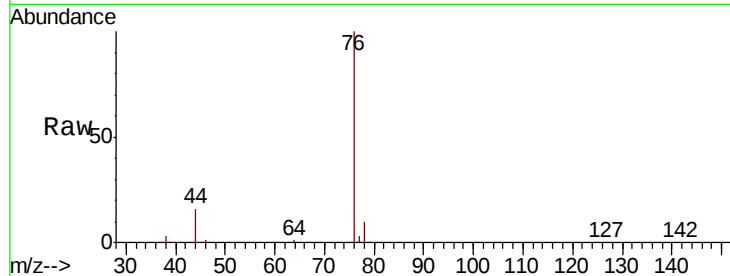
#17
Carbon Disulfide
Concen: 48.270 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

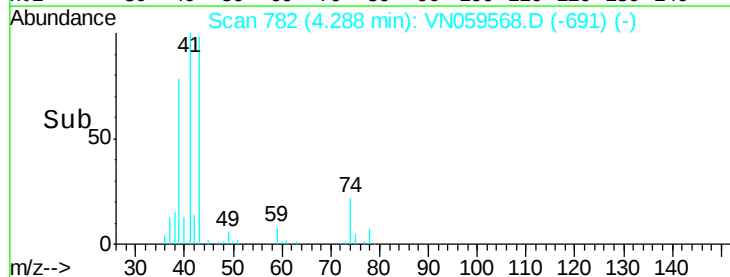
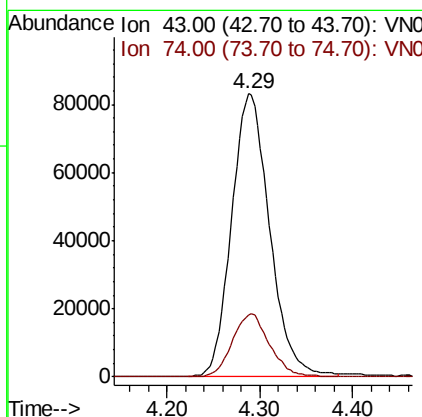
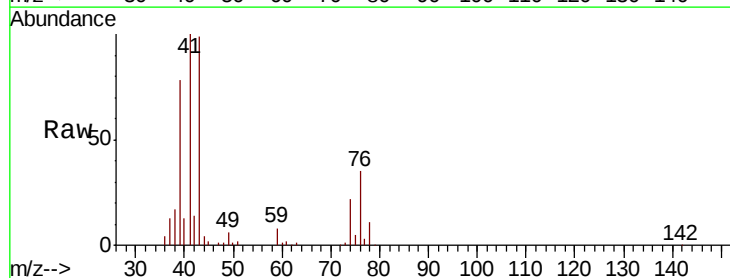
Manual Integrations
APPROVED

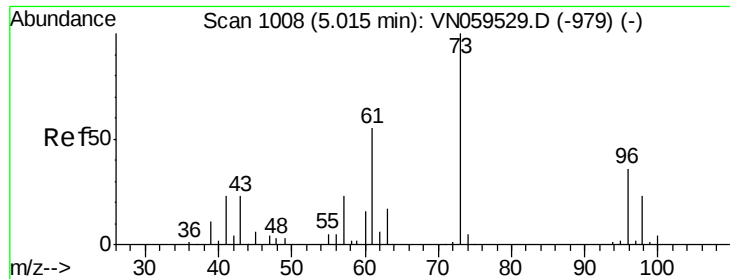
apatel
12/13/2019 2:16:59 PM



#18
Methyl Acetate
Concen: 52.994 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.5	26.3





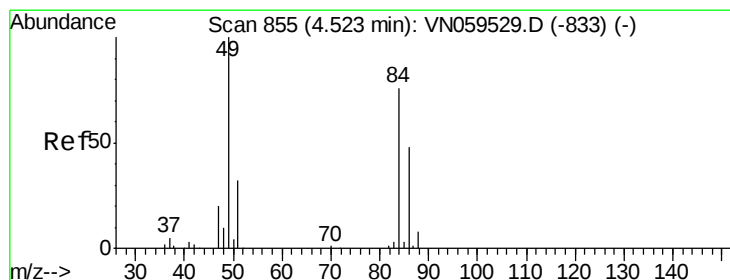
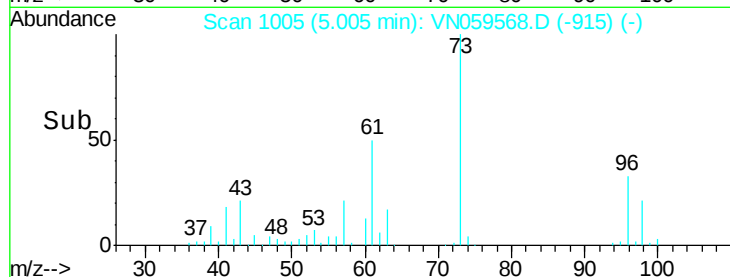
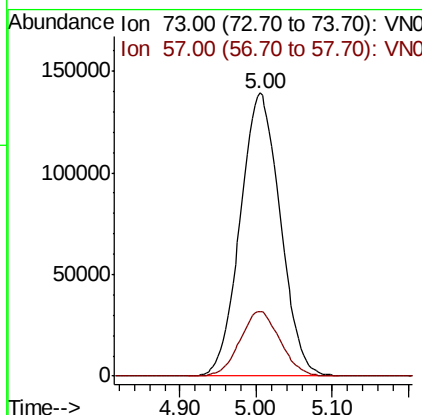
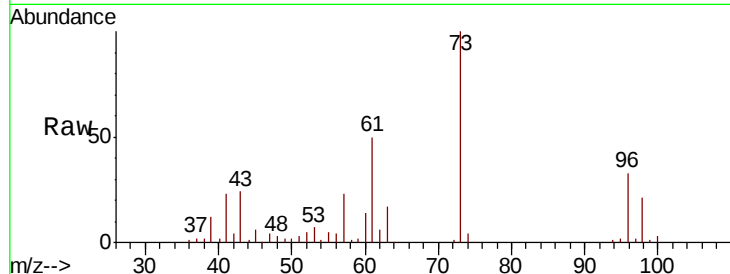
#19
Methvl tert-butvl Ether
Concen: 57.158 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 509882
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

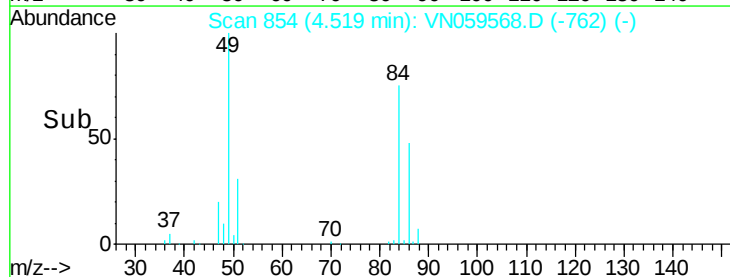
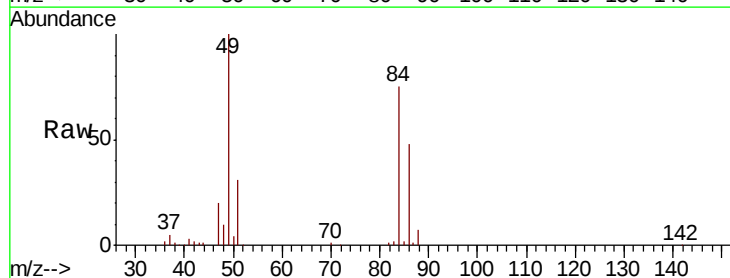
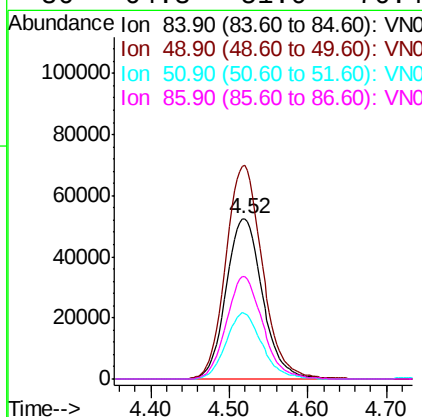
Manual Integrations
APPROVED

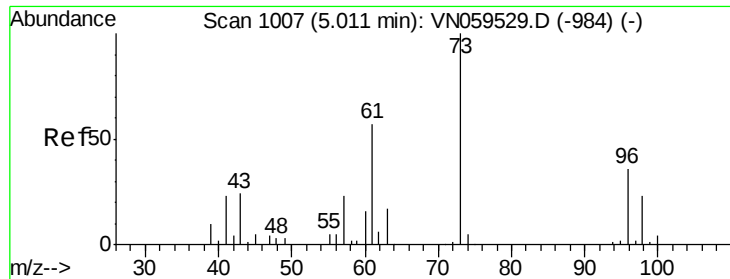
apatel
12/13/2019 2:16:59 PM



#20
Methylene Chloride
Concen: 55.818 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 84 Resp: 169230
Ion Ratio Lower Upper
84 100
49 133.0 105.8 158.8
51 41.0 33.7 50.5
86 64.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 51.704 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 148922

Ion Ratio Lower Upper

96 100

61 150.6 124.8 187.2

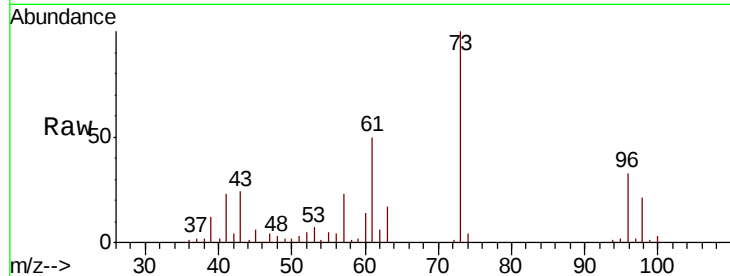
98 62.9 51.0 76.4

Manual Integrations

APPROVED

apatel

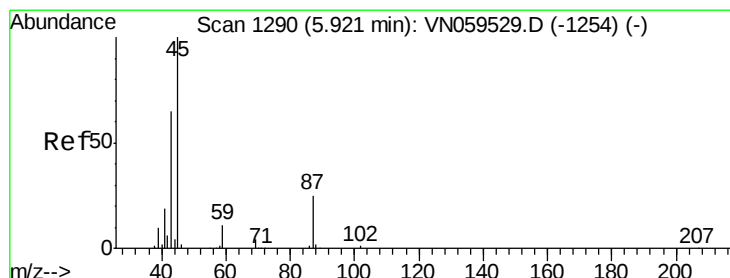
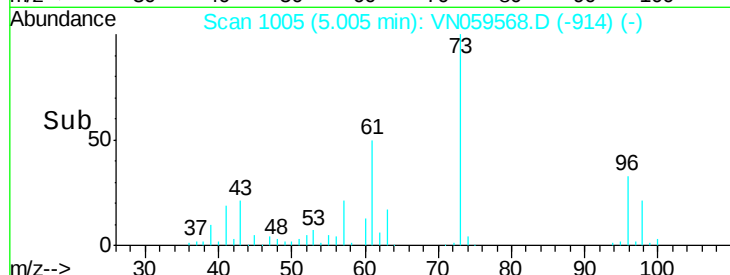
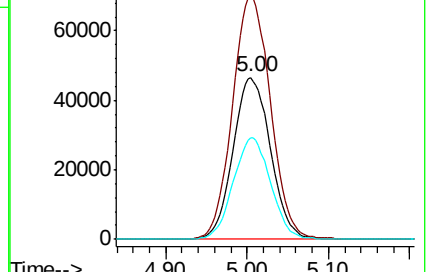
12/13/2019 2:16:59 PM



Abundance Ion 95.90 (95.60 to 96.60): VN059568.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059568.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059568.D (-914) (-)



#22

Diisopropyl ether

Concen: 57.086 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion: 45 Resp: 561019

Ion Ratio Lower Upper

45 100

43 64.1 52.8 79.2

87 25.3 20.2 30.4

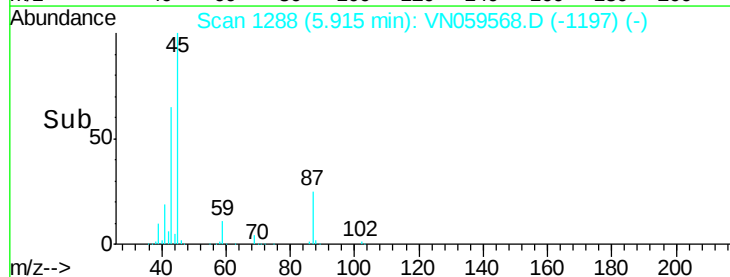
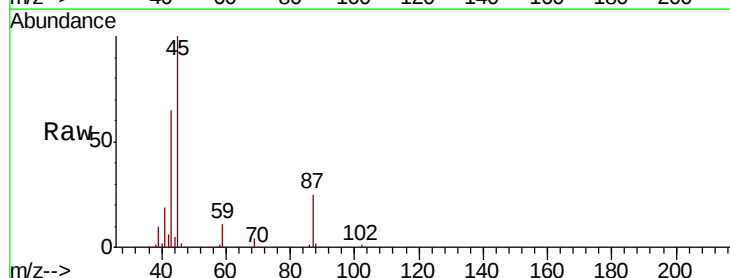
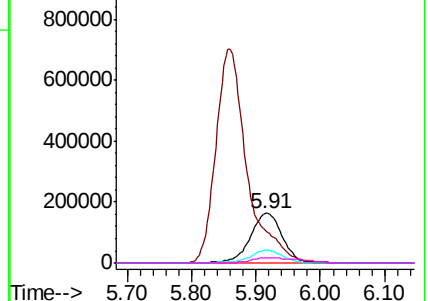
59 10.9 9.1 13.7

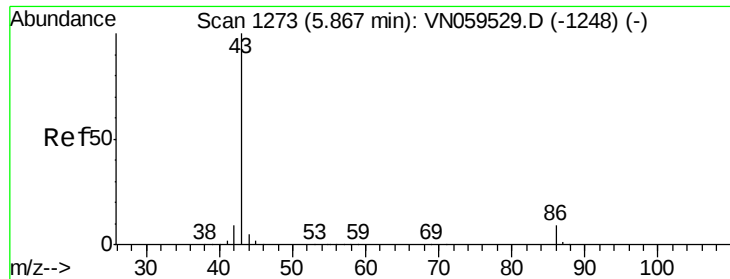
Abundance Ion 45.00 (44.70 to 45.70): VN059568.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059568.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059568.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059568.D (-1197) (-)





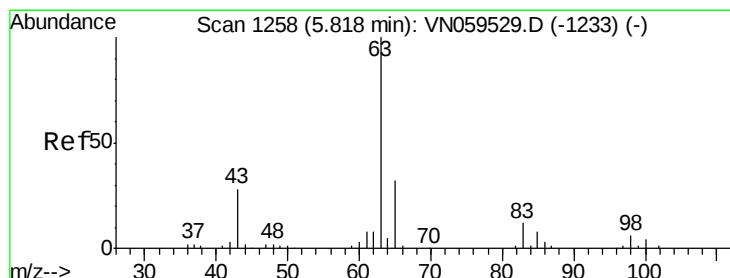
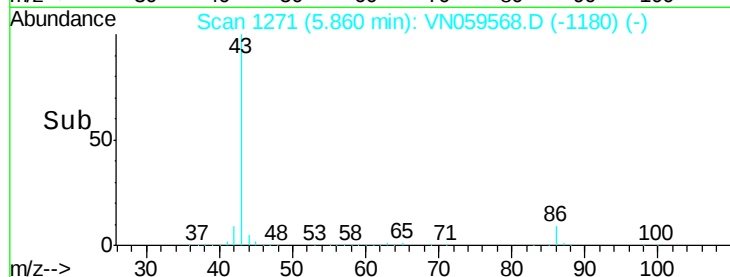
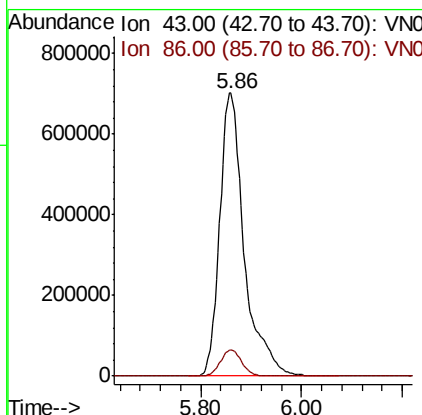
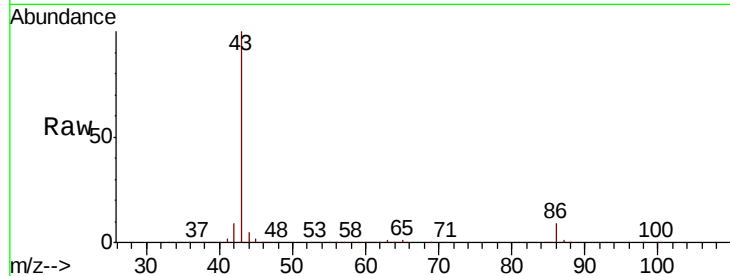
#23
 Vinyl Acetate
 Concen: 288.868 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2368113
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

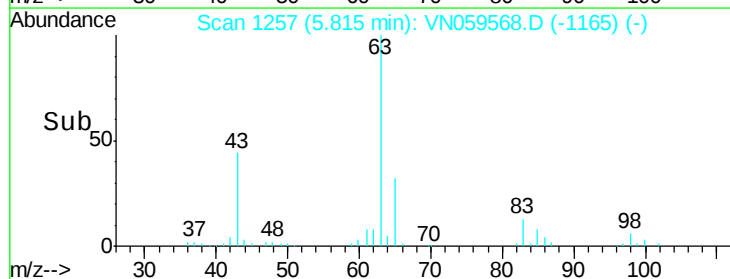
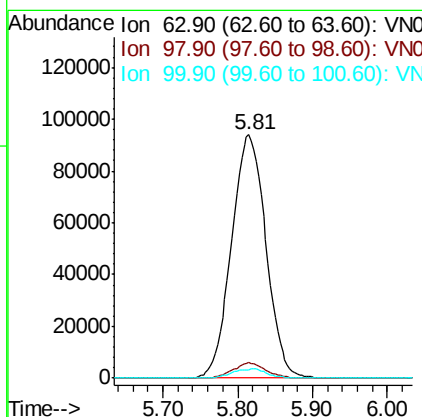
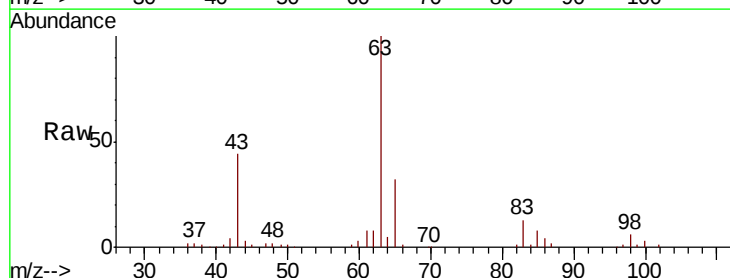
Manual Integrations
 APPROVED

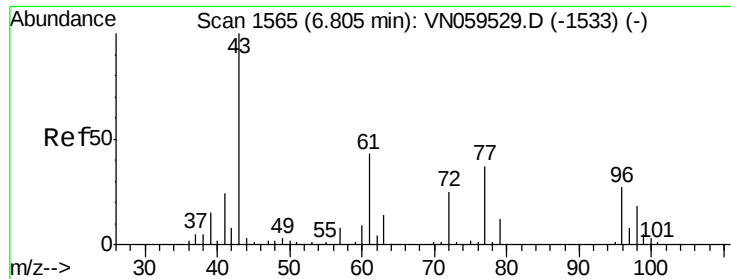
apatel
 12/13/2019 2:16:59 PM



#24
 1,1-Dichloroethane
 Concen: 53.923 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 63 Resp: 300875
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 288.404 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 653493

Ion Ratio Lower Upper

43 100

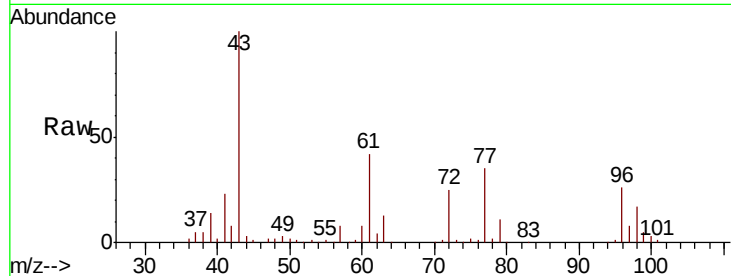
72 24.8 19.9 29.9

Manual Integrations

APPROVED

apatel

12/13/2019 2:16:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

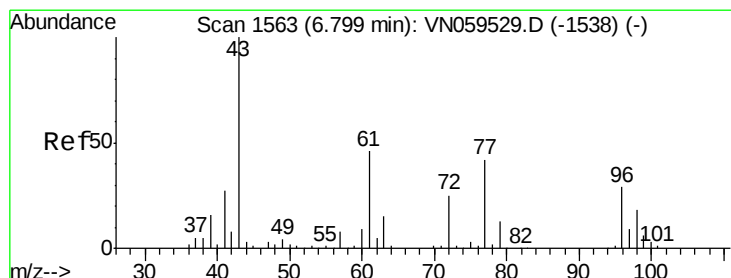
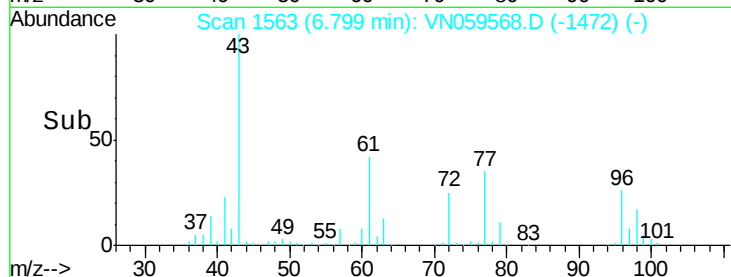
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 53.487 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059568.D

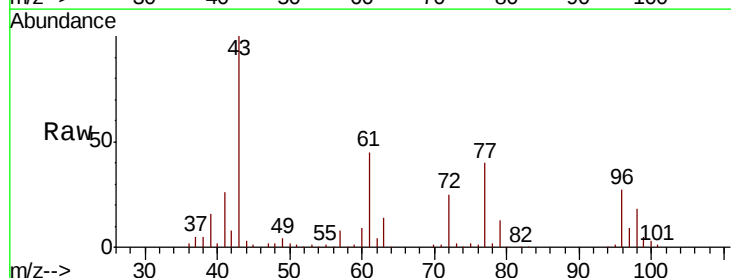
Acq: 12 Dec 2019 11:56

Tgt Ion: 77 Resp: 269617

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

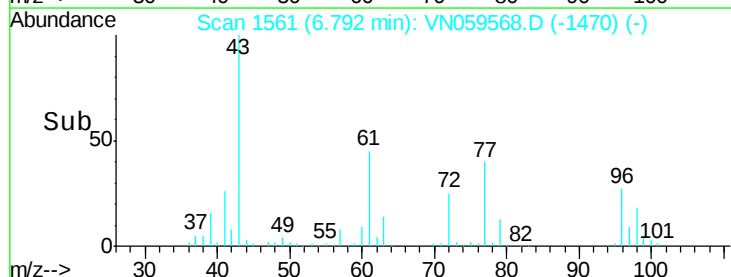
40000

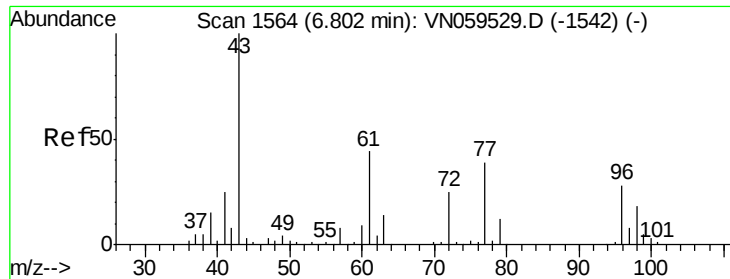
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 53.397 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

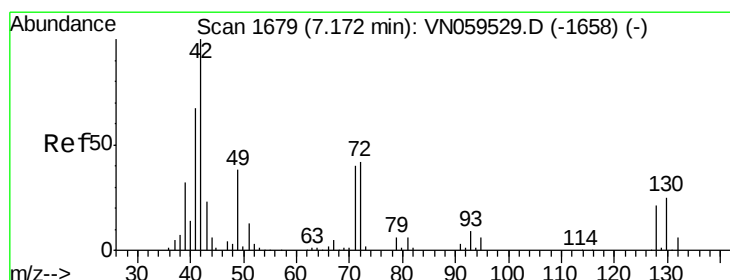
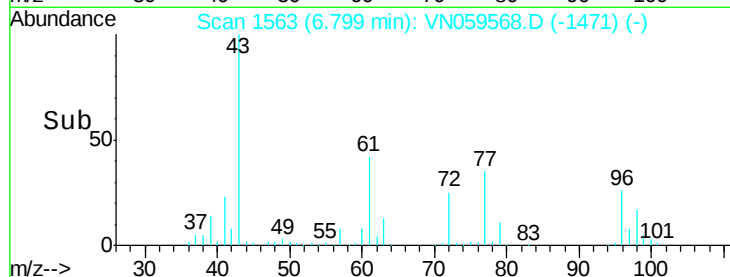
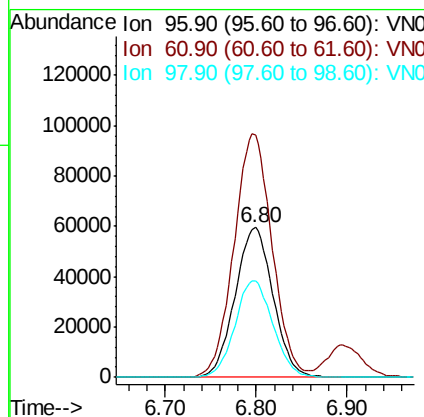
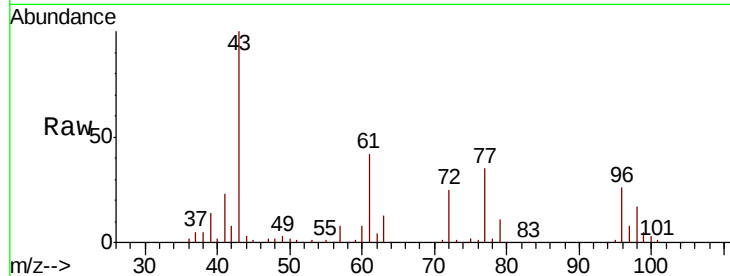
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	172991
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	320.0
98	64.4	0.0	128.6

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#28

Bromochloromethane

Concen: 51.014 ug/l

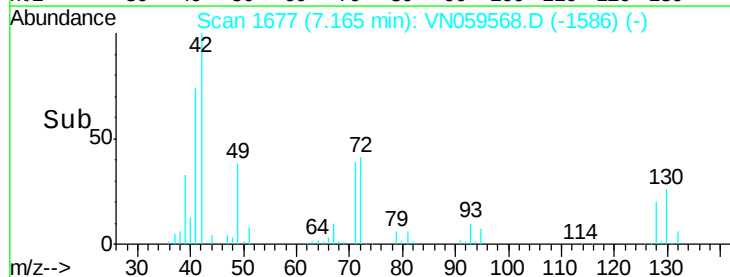
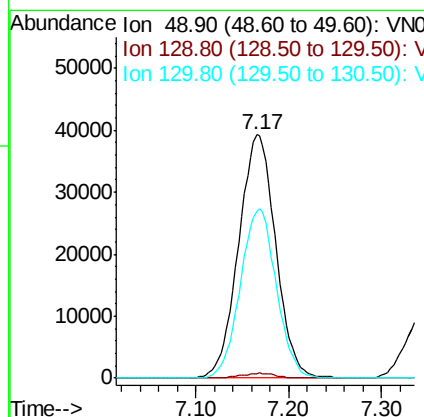
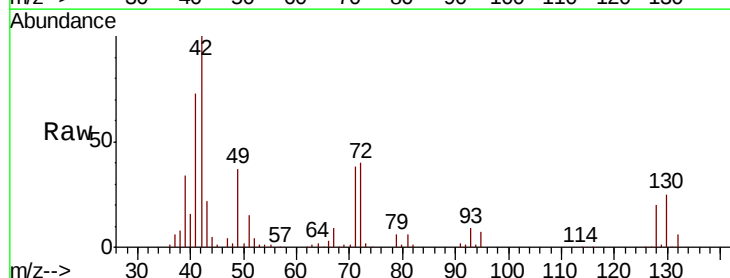
RT: 7.17 min Scan# 1677

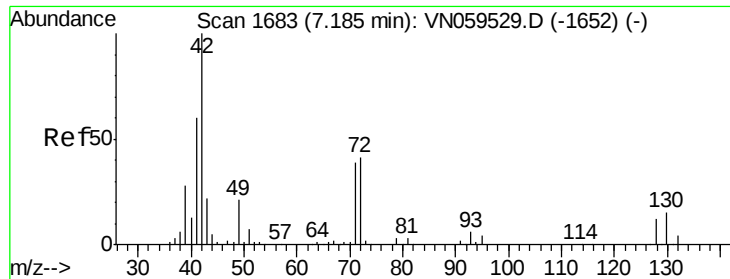
Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion:	49	Resp:	108815
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	67.4	54.2	81.2





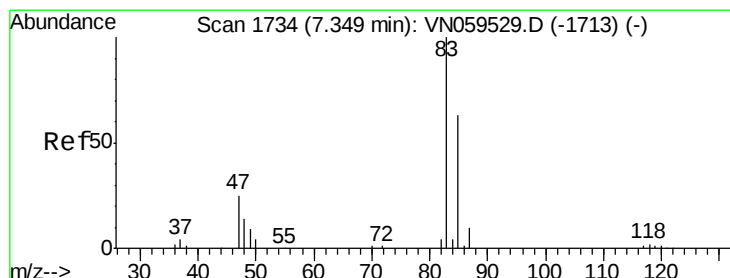
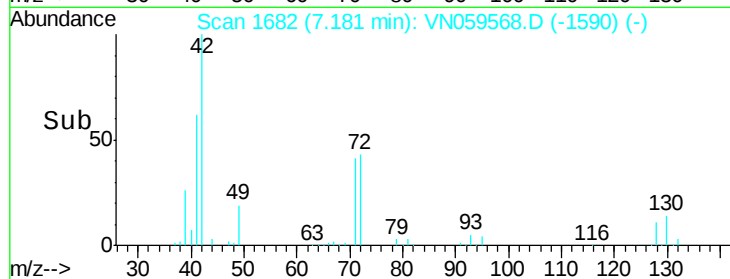
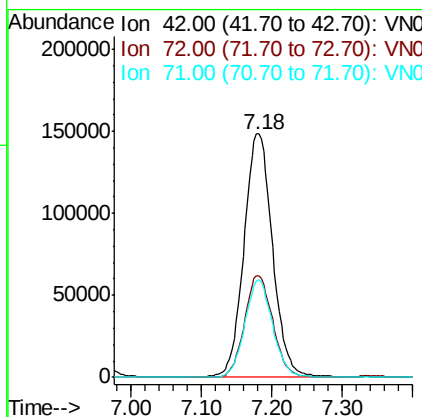
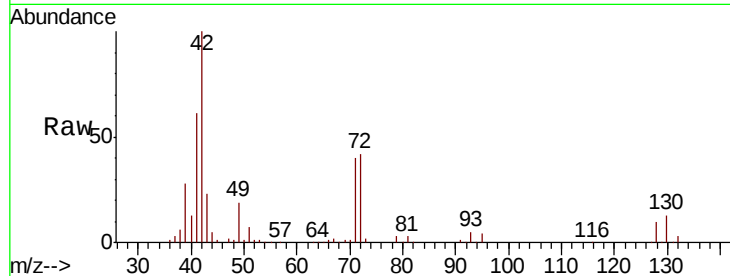
#29
Tetrahydrofuran
Concen: 265.966 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.7	49.1
71	39.0	31.4	47.2

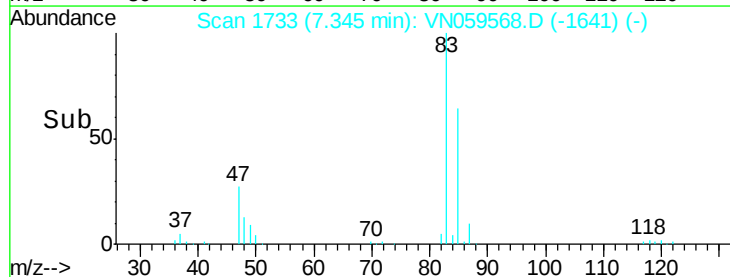
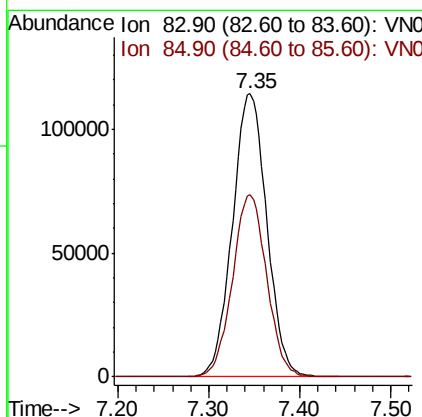
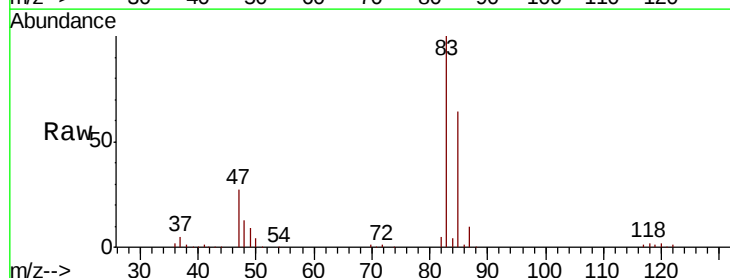
Manual Integrations
APPROVED

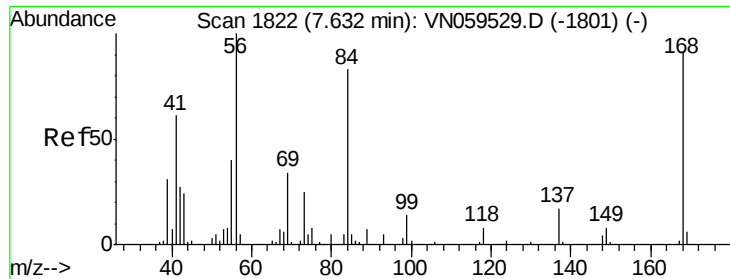
apatel
12/13/2019 2:16:59 PM



#30
Chloroform
Concen: 54.540 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	75.8





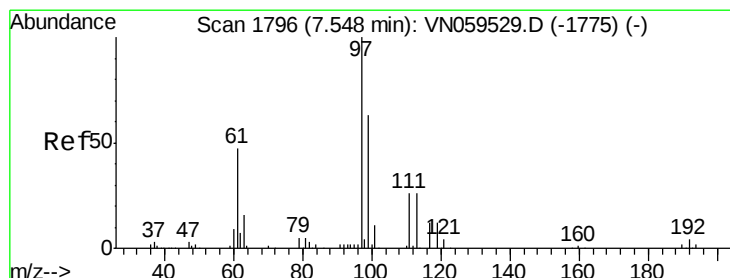
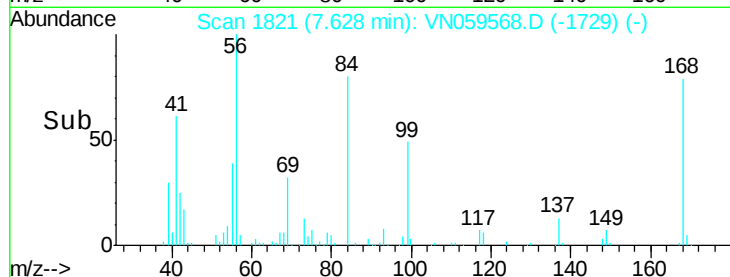
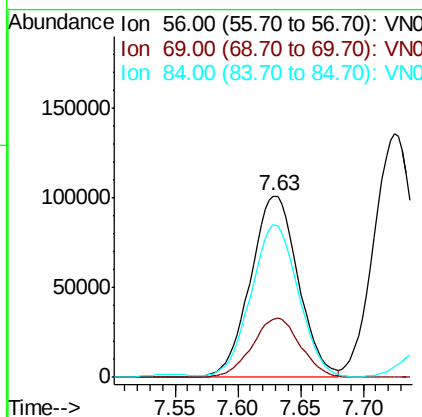
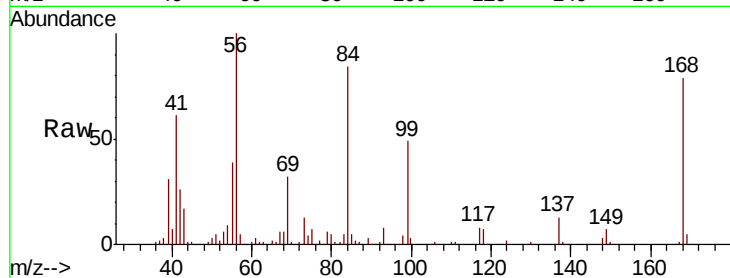
#31
Cyclohexane
Concen: 49.245 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	26.9	40.3
84	82.7	66.5	99.7

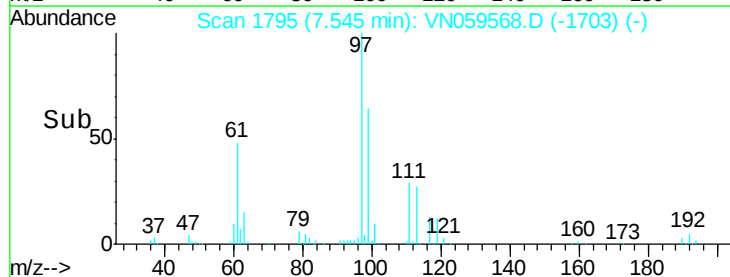
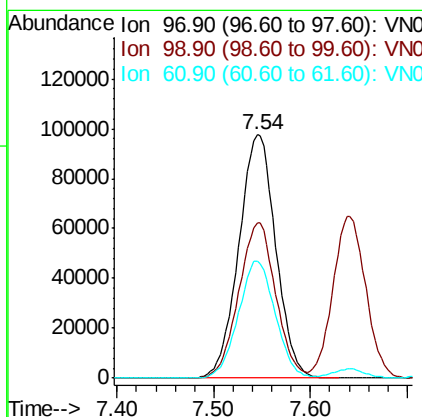
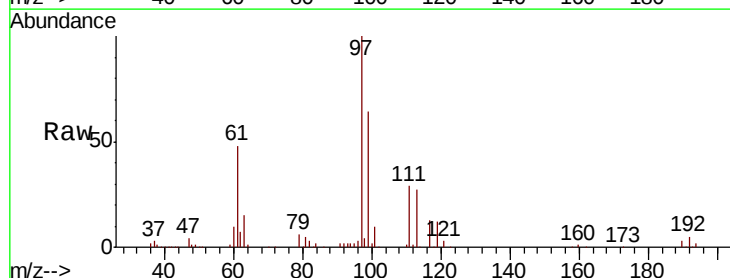
Manual Integrations
APPROVED

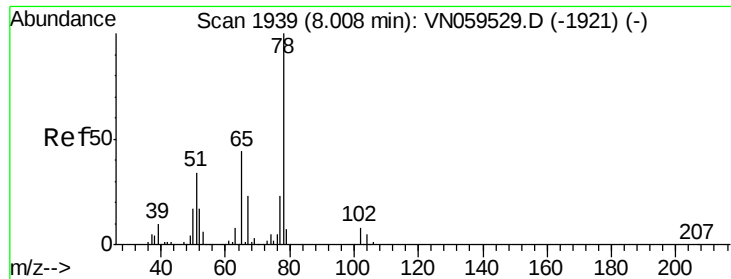
apatel
12/13/2019 2:16:59 PM



#32
1,1,1-Trichloroethane
Concen: 53.043 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	48.1	38.5	57.7





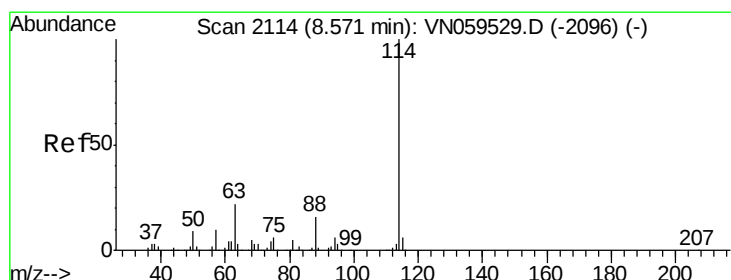
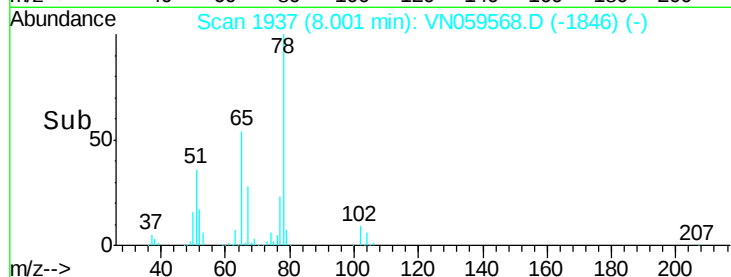
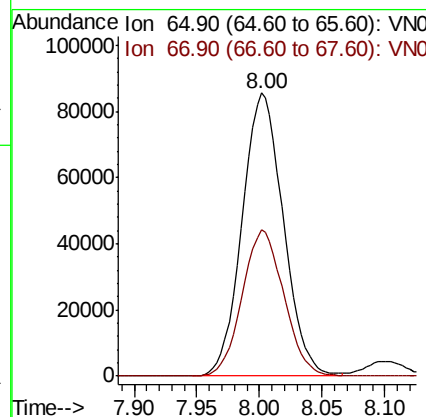
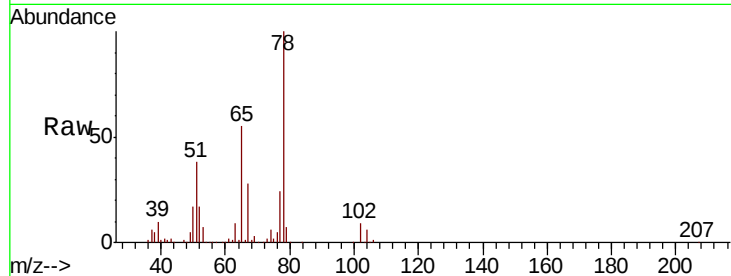
#33
 1,2-Dichloroethane-d4
 Concen: 54.160 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195171		
67	52.2	0.0	103.6	

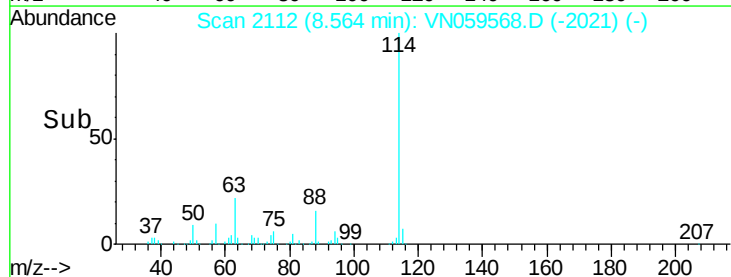
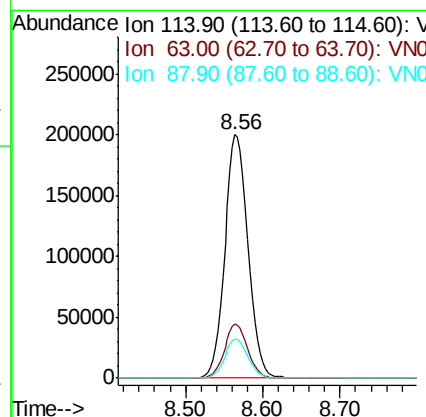
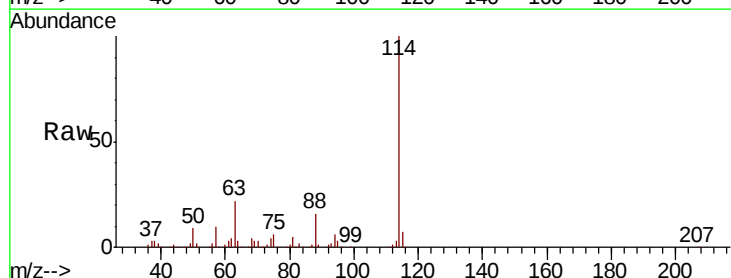
Manual Integrations
 APPROVED

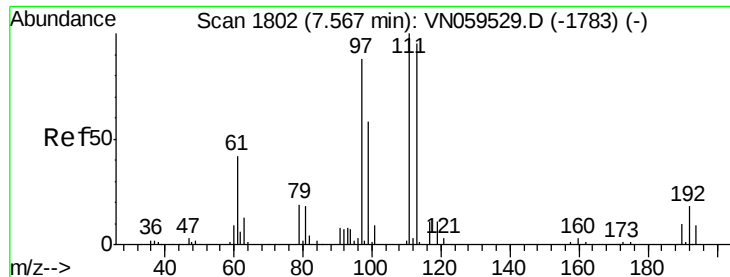
apatel
 12/13/2019 2:16:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	415480		
63	22.1	0.0	45.0	
88	16.1	0.0	32.2	





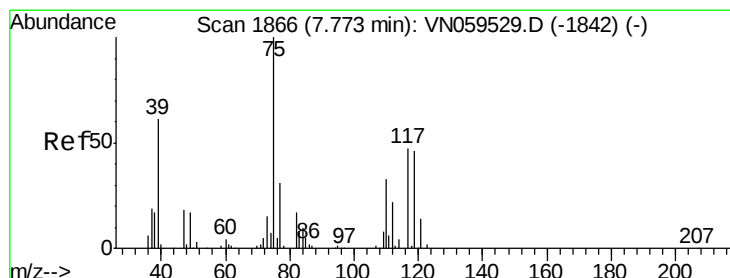
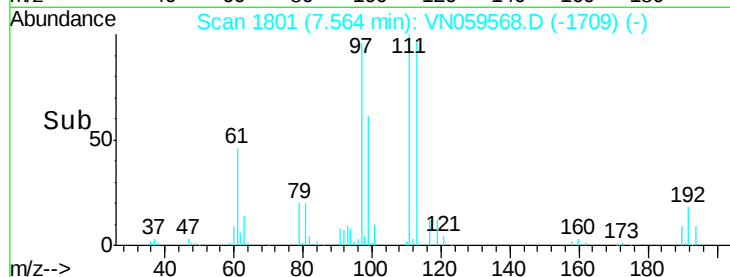
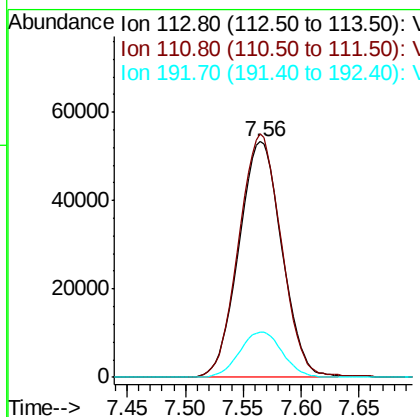
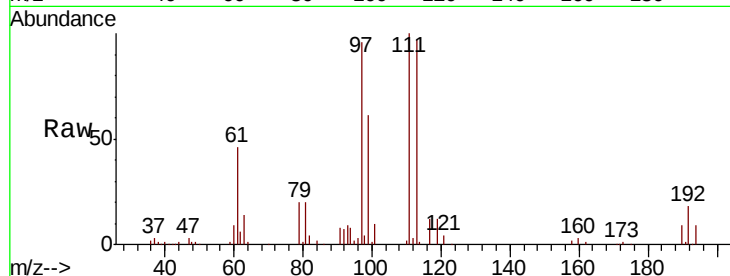
#35
Dibromofluoromethane
Concen: 55.525 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137667		
111	102.2	82.2	123.4	
192	19.1	14.8	22.2	

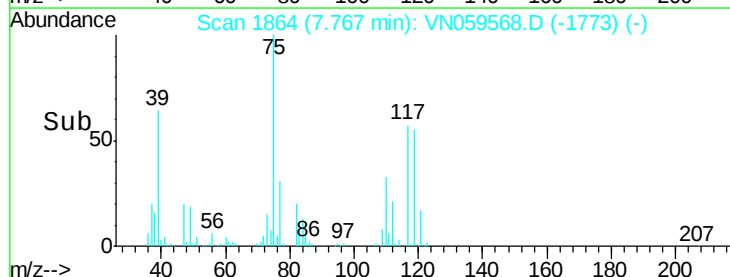
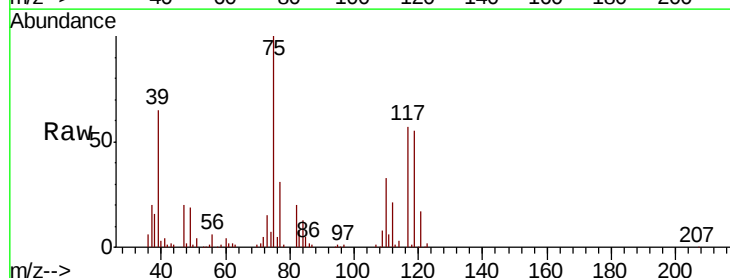
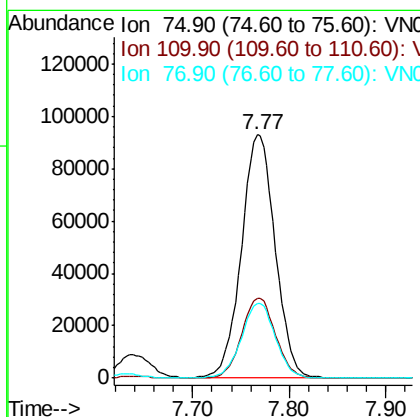
Manual Integrations
APPROVED

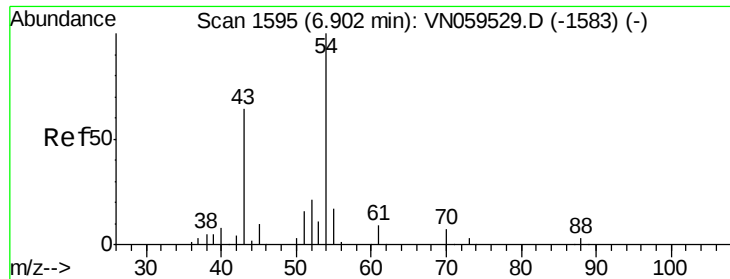
apatel
12/13/2019 2:16:59 PM



#36
1,1-Dichloropropene
Concen: 52.539 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223958		
110	33.1	16.7	50.0	
77	31.4	24.6	37.0	





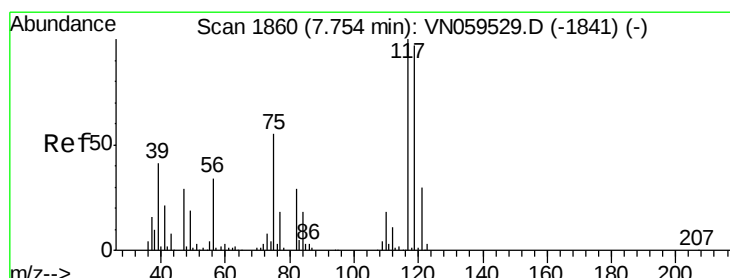
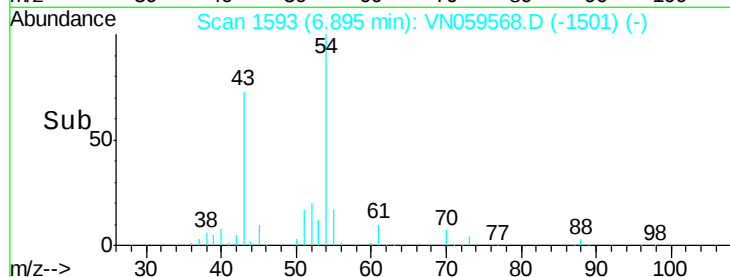
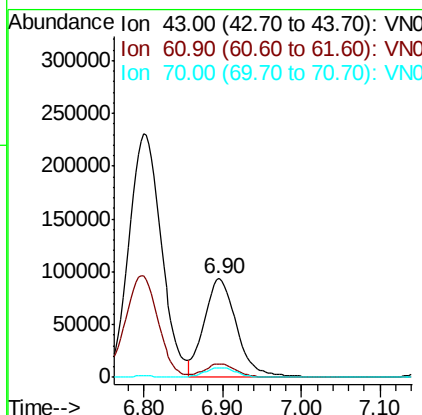
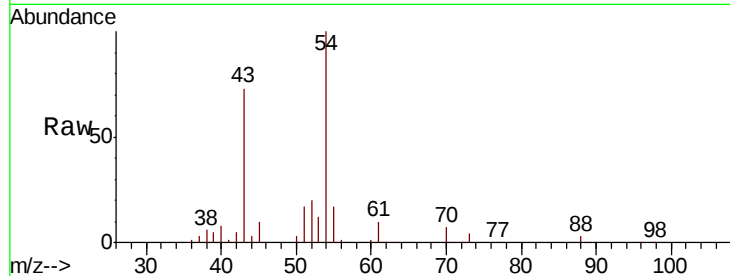
#37
Ethyl Acetate
Concen: 53.049 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	9.1	7.7	11.5

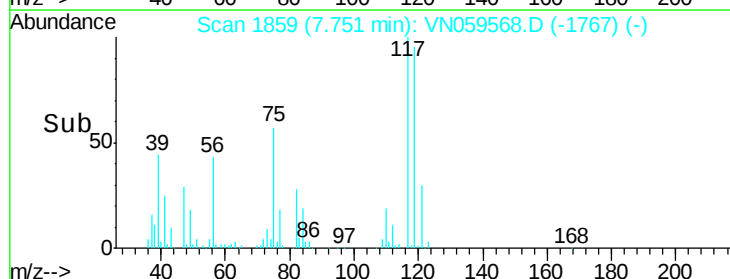
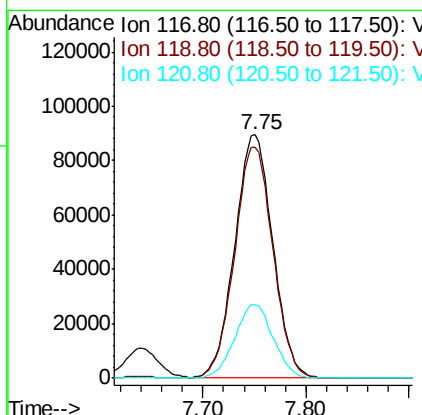
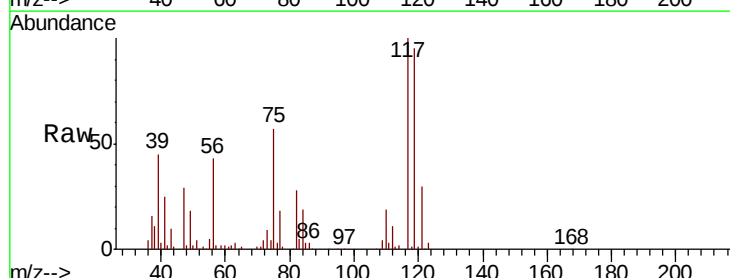
Manual Integrations
APPROVED

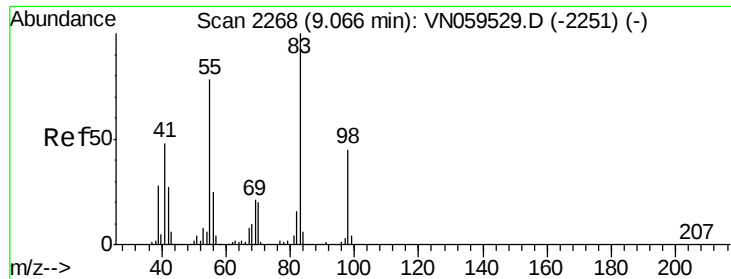
apatel
12/13/2019 2:16:59 PM



#38
Carbon Tetrachloride
Concen: 54.716 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.4
121	30.3	24.1	36.1





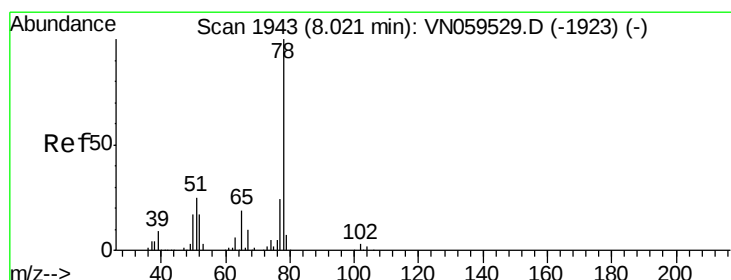
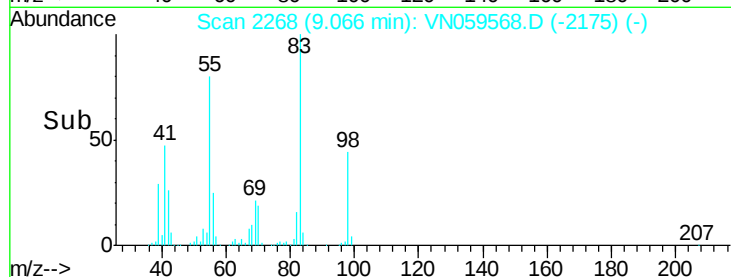
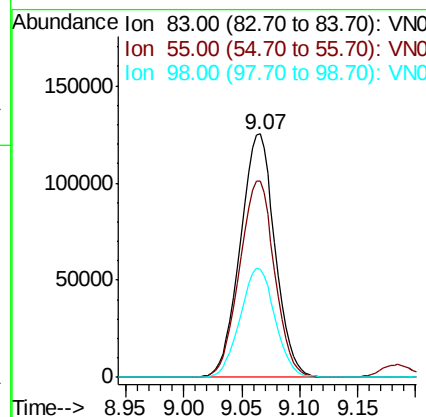
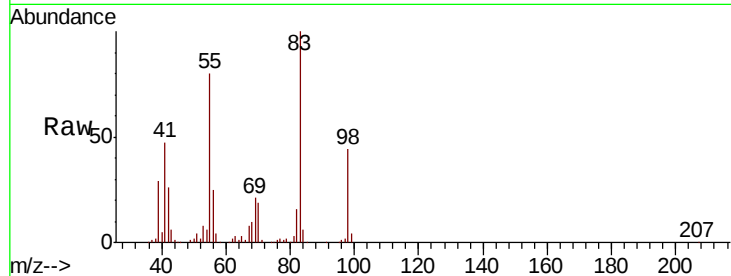
#39
Methvlcvclohexane
Concen: 54.510 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	62.7	94.1
98	44.3	35.7	53.5

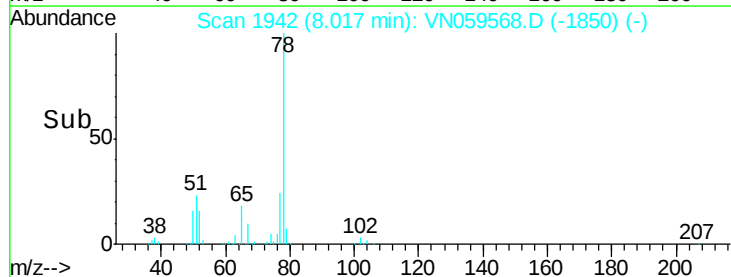
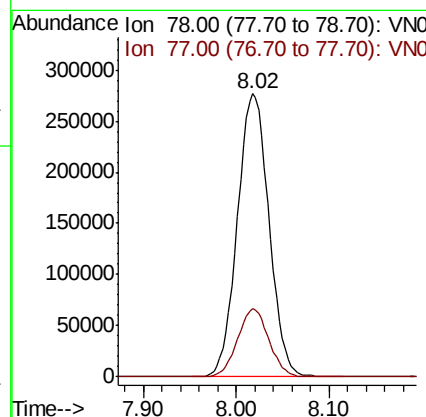
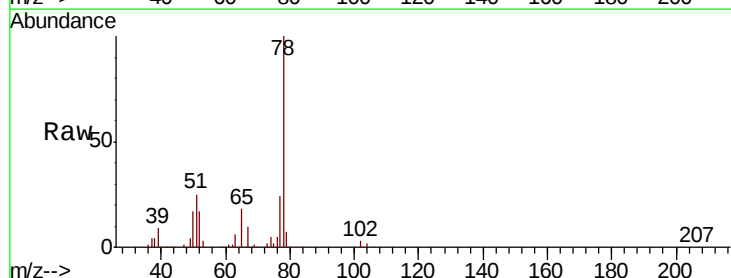
Manual Integrations
APPROVED

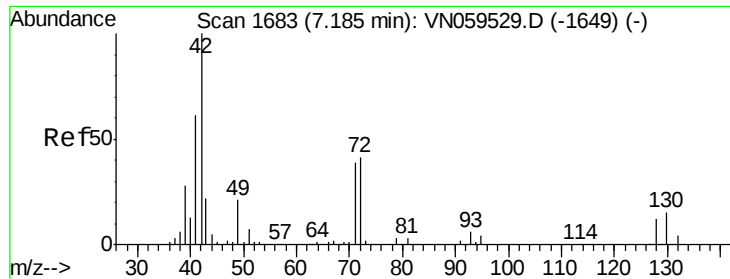
apatel
12/13/2019 2:16:59 PM



#40
Benzene
Concen: 53.770 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





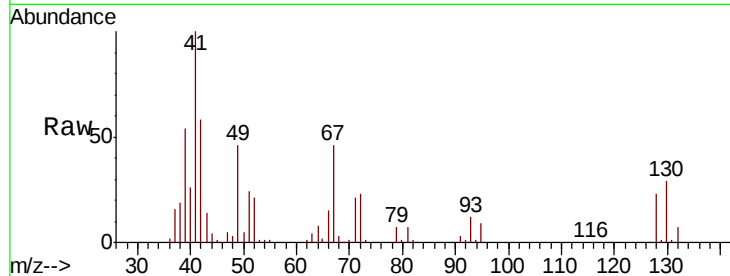
#41
Methacrylonitrile
Concen: 57.138 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

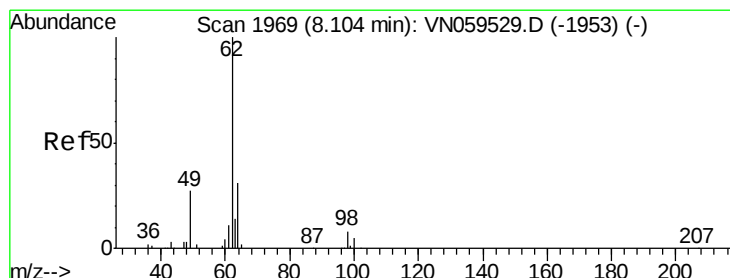
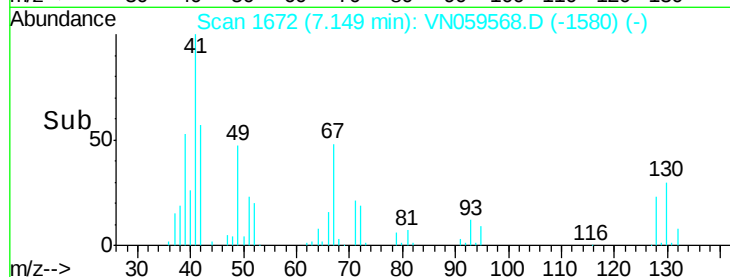
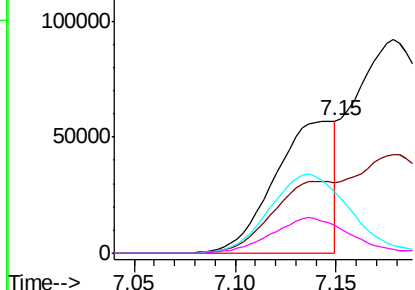
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM

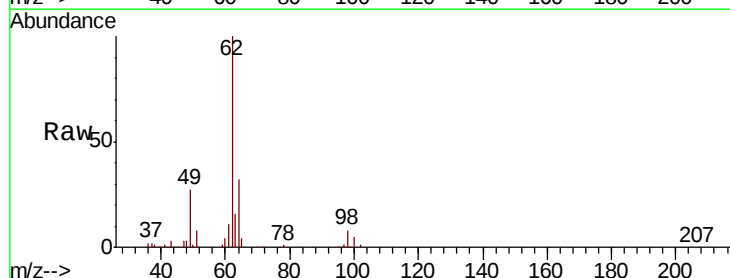


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

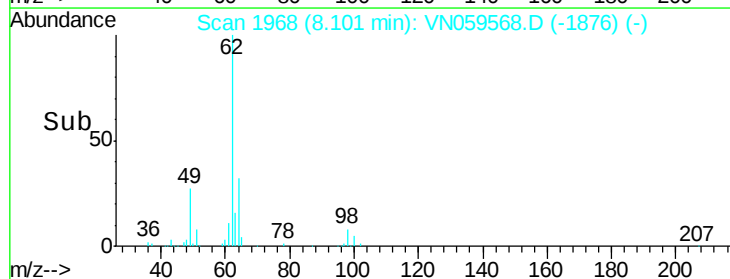
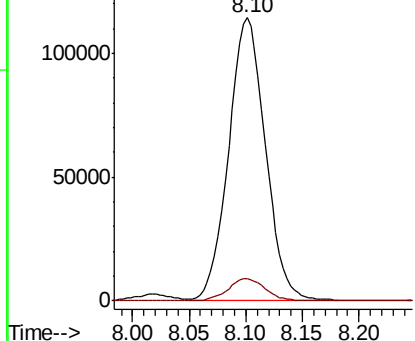


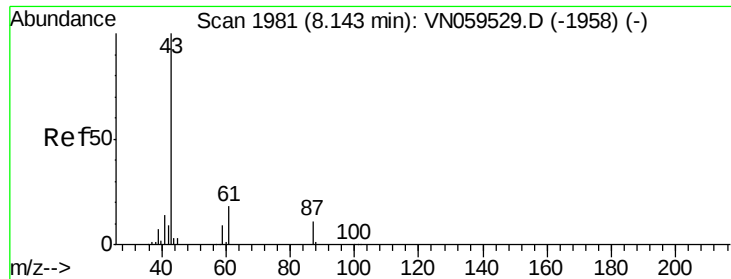
#42
1,2-Dichloroethane
Concen: 56.820 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 57.212 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

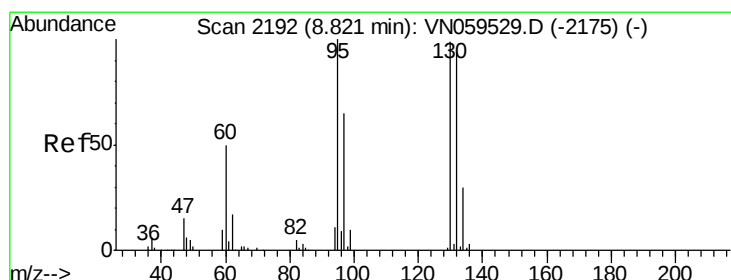
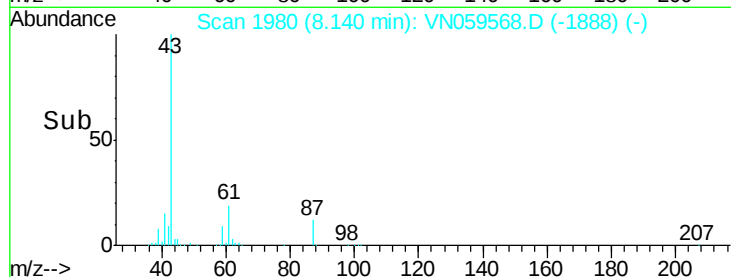
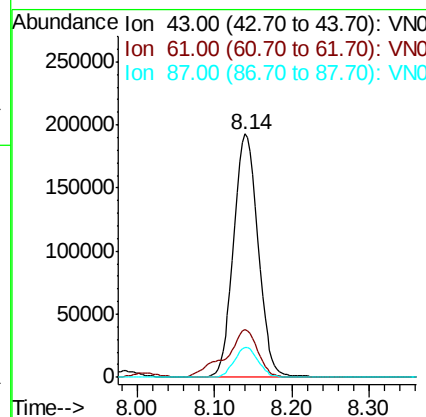
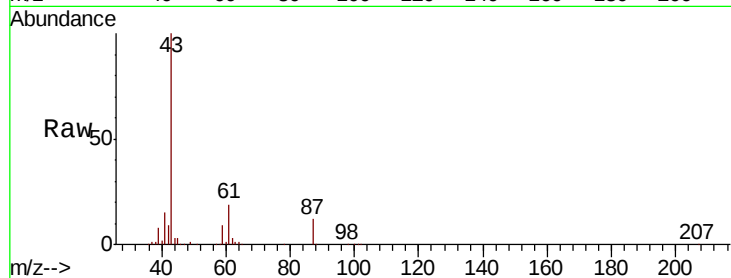
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	420980
Ion	Ratio	Lower	Upper
43	100		
61	25.3	19.8	29.6
87	12.0	9.4	14.2

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#44

Trichloroethene

Concen: 53.903 ug/l

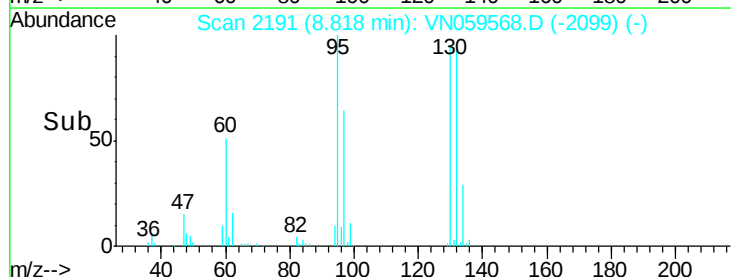
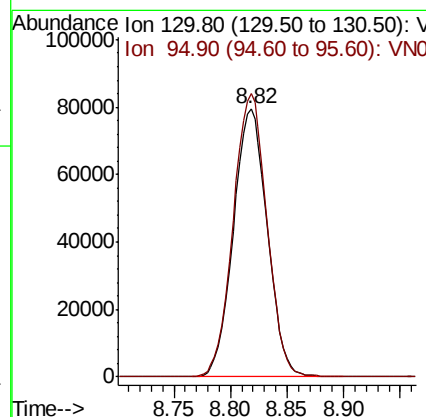
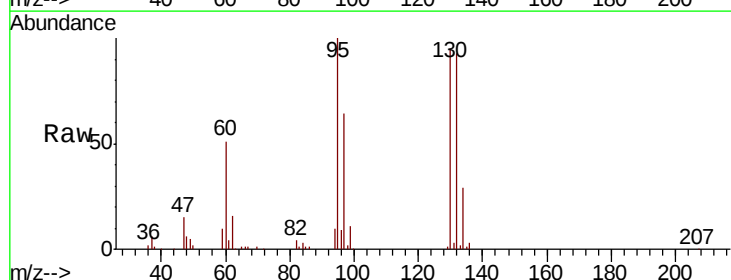
RT: 8.82 min Scan# 2191

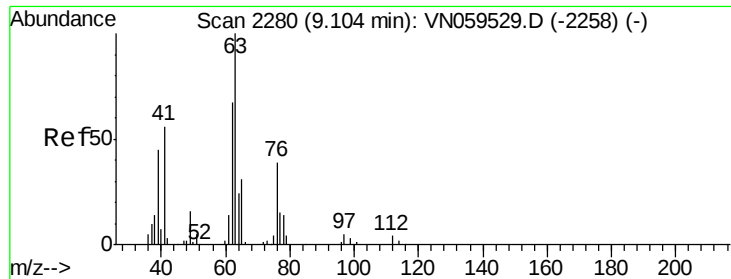
Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion:	130	Resp:	165826
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	202.0





#45

1,2-Dichloropropane

Concen: 56.108 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 180998

Ion Ratio Lower Upper

63 100

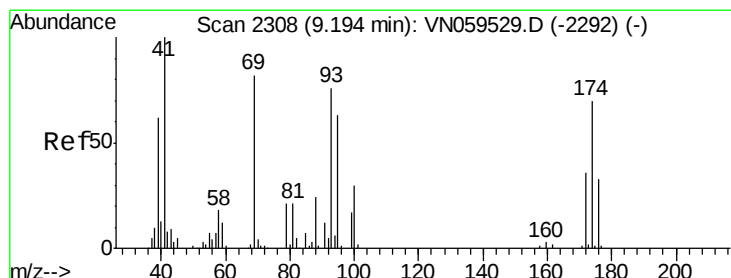
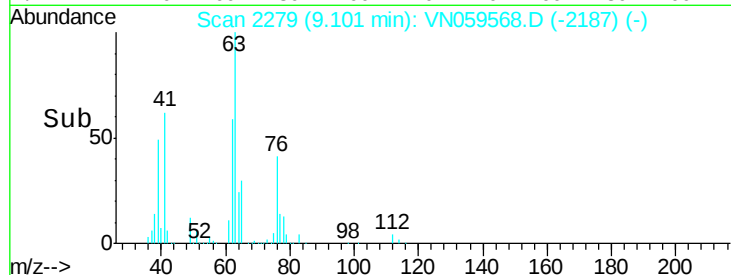
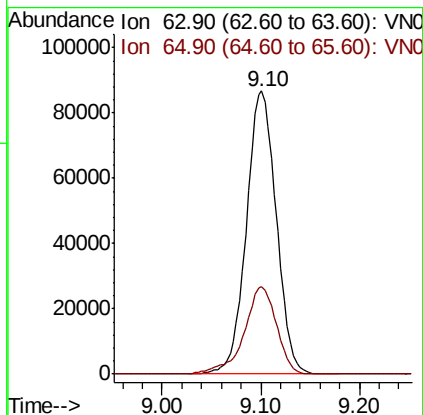
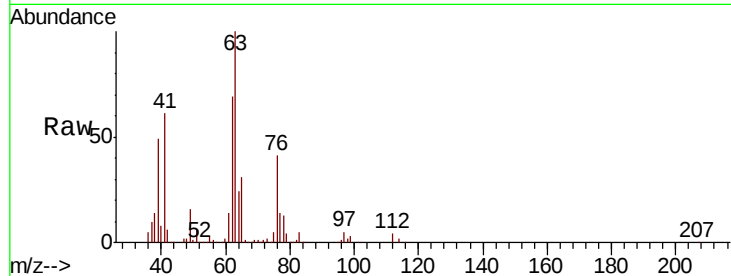
65 30.9 24.8 37.2

Manual Integrations

APPROVED

apatel

12/13/2019 2:16:59 PM



#46

Dibromomethane

Concen: 55.317 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

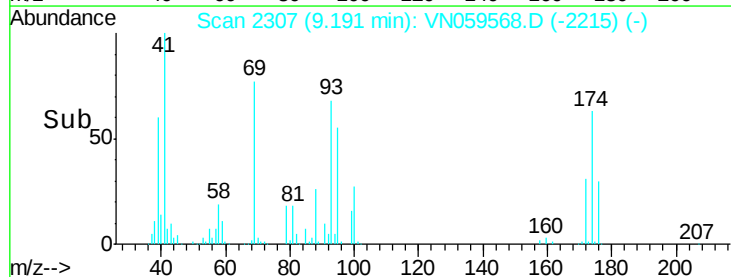
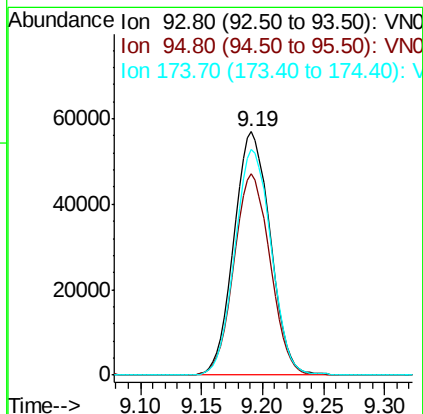
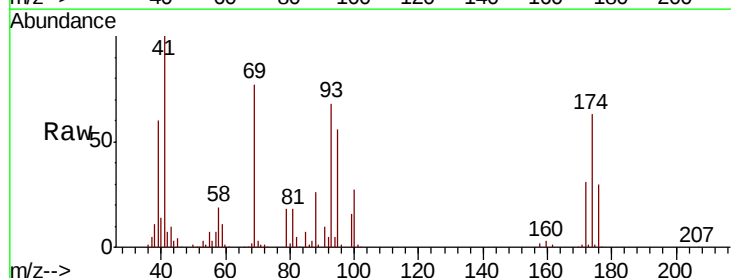
Tgt Ion: 93 Resp: 117931

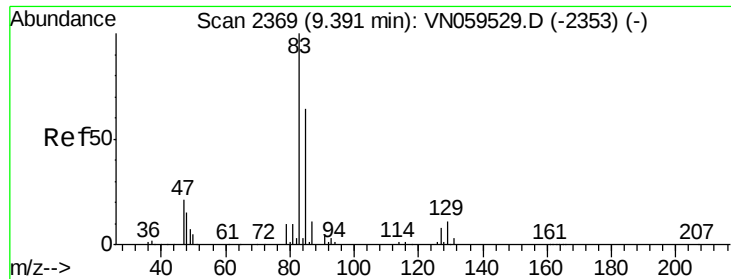
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.6

174 92.4 75.6 113.4





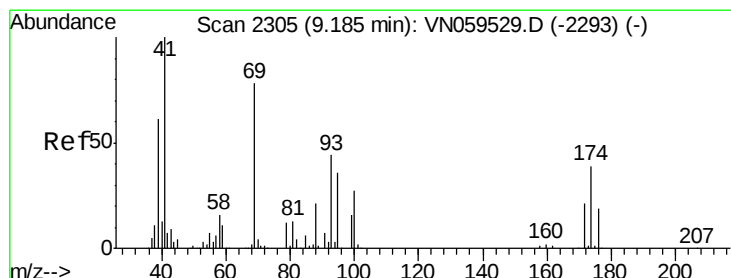
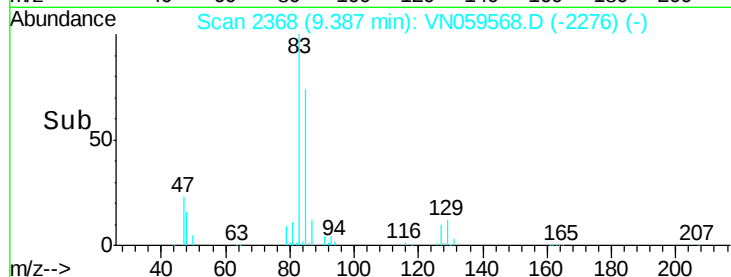
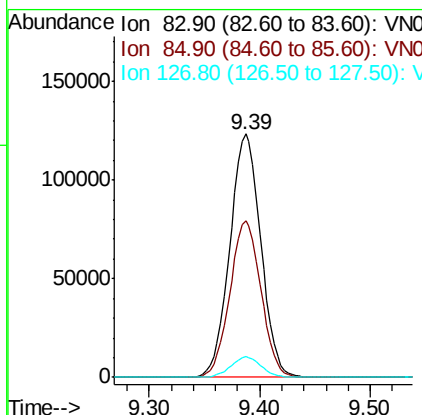
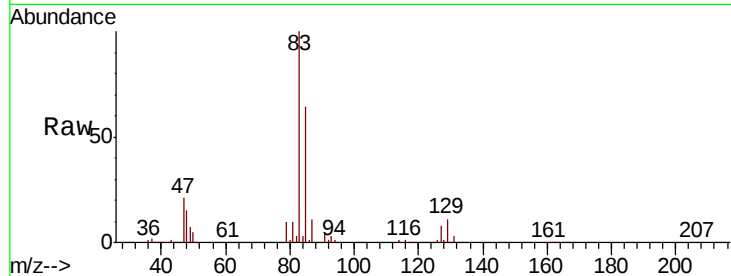
#47
Bromodichloromethane
Concen: 56.545 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	239582		
85	64.5	51.4	77.0	
127	8.4	6.7	10.1	

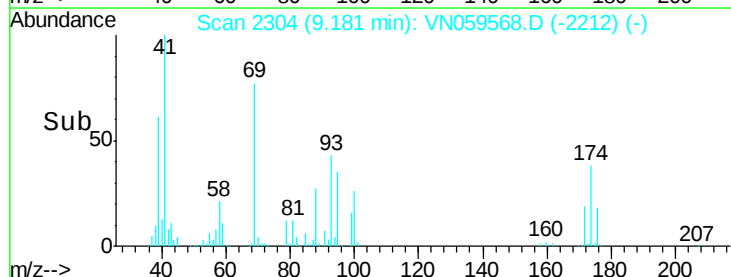
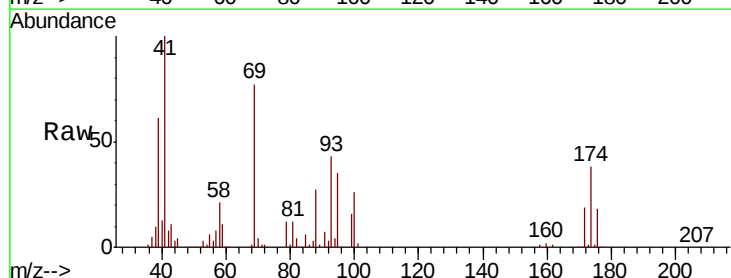
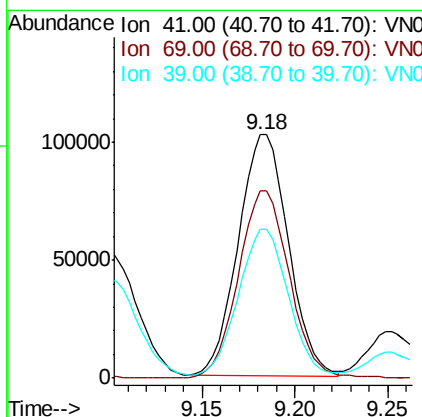
Manual Integrations
APPROVED

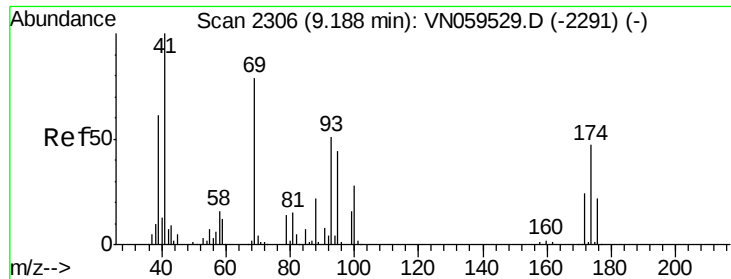
apatel
12/13/2019 2:16:59 PM



#48
Methyl methacrylate
Concen: 59.605 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	191771		
69	79.2	64.0	96.0	
39	62.1	50.0	75.0	





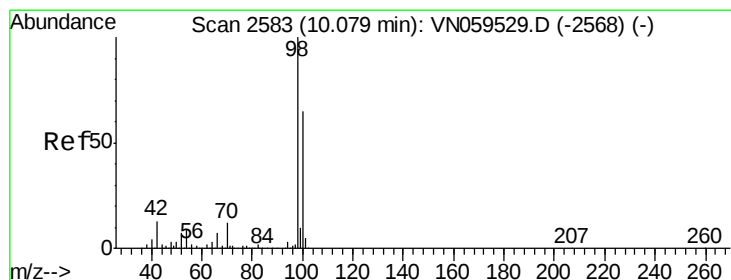
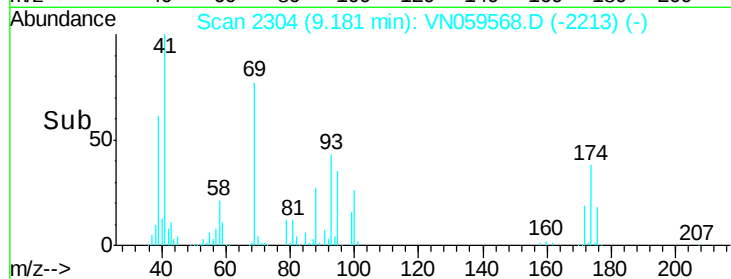
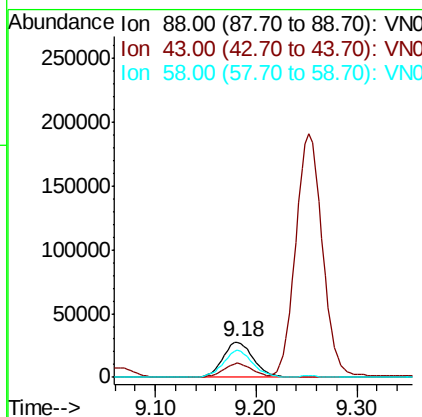
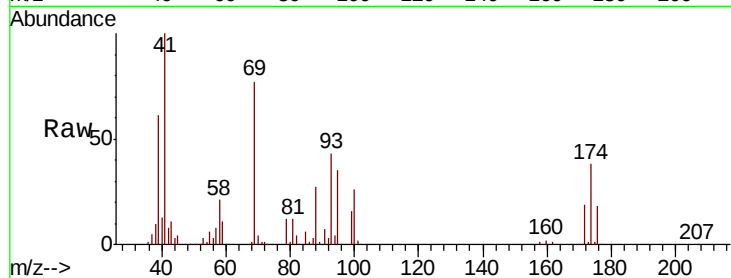
#49
1,4-Dioxane
Concen: 1425.856 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	31.4	47.0
58	73.1	61.0	91.6

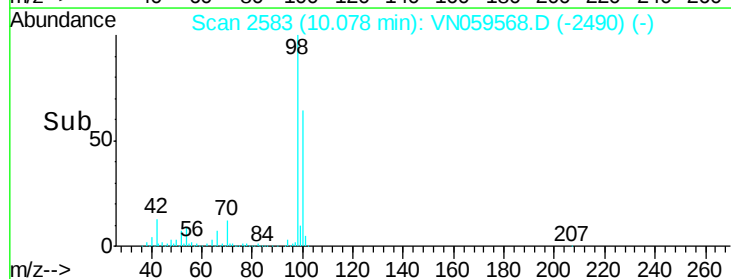
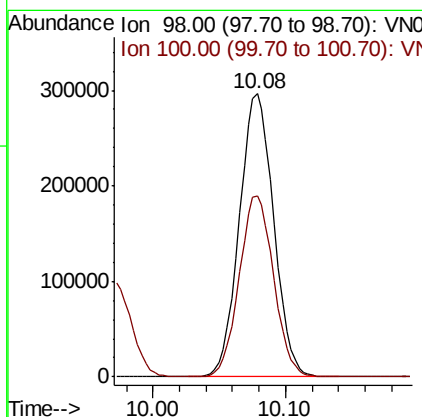
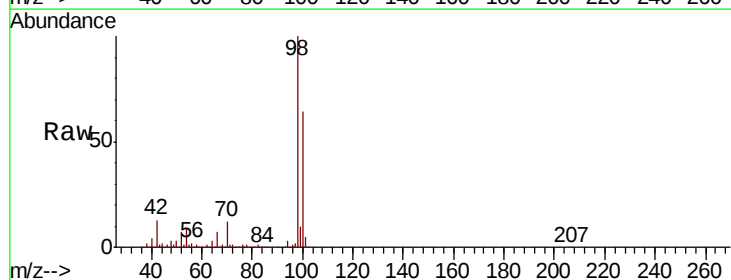
Manual Integrations
APPROVED

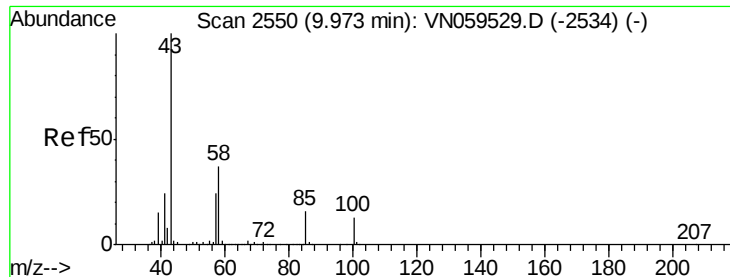
apatel
12/13/2019 2:16:59 PM



#50
Toluene-d8
Concen: 52.674 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 278.294 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1300681

Ion Ratio Lower Upper

43 100

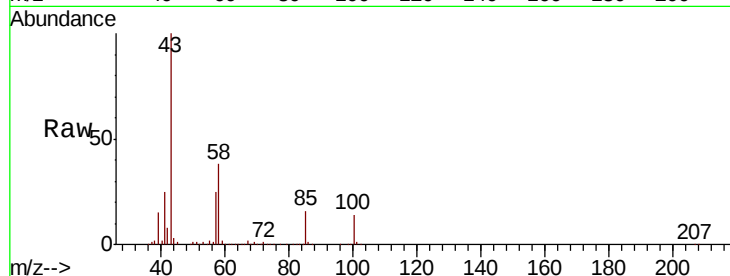
58 37.6 30.1 45.1

Manual Integrations

APPROVED

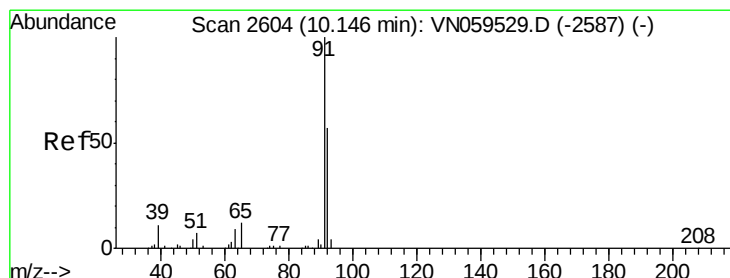
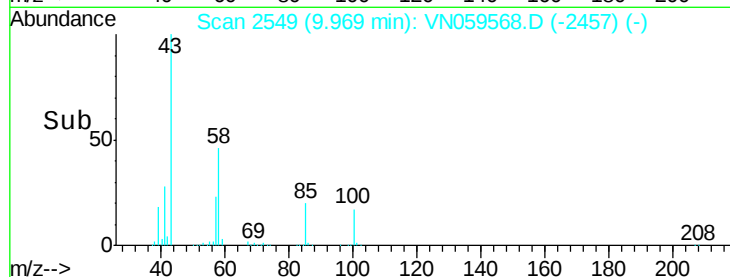
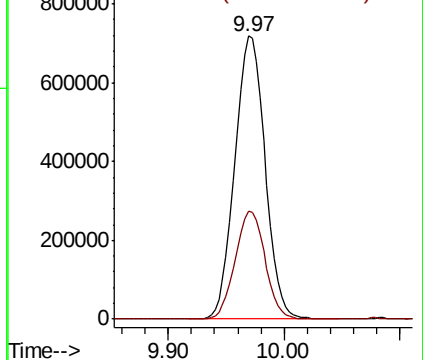
apatel

12/13/2019 2:16:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 55.897 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059568.D

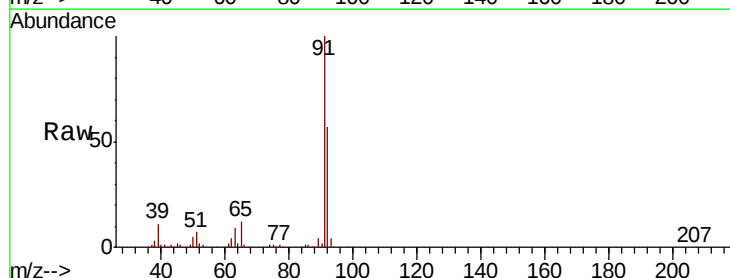
Acq: 12 Dec 2019 11:56

Tgt Ion: 92 Resp: 405562

Ion Ratio Lower Upper

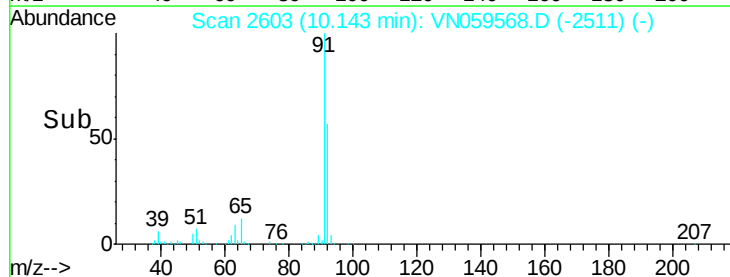
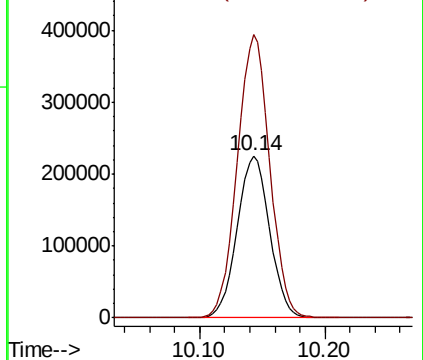
92 100

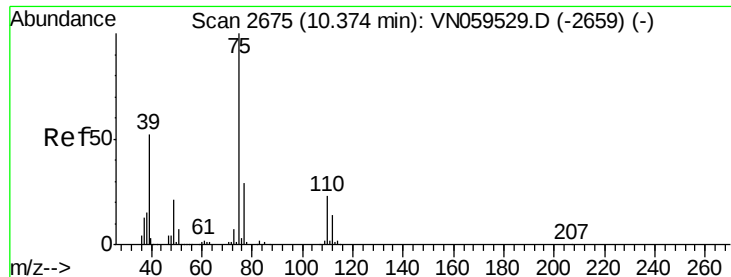
91 174.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





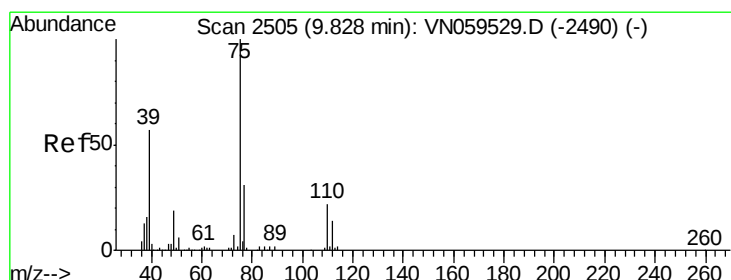
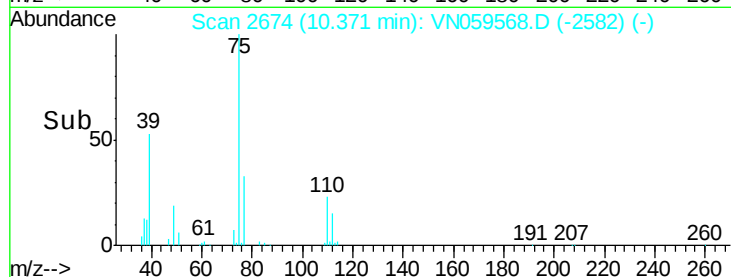
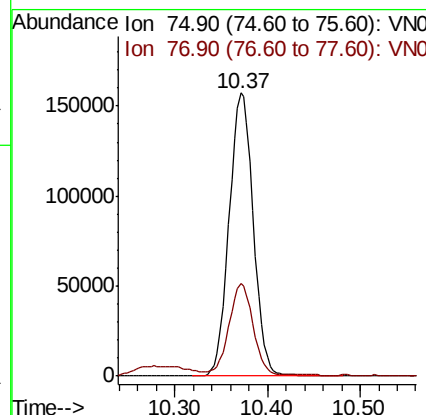
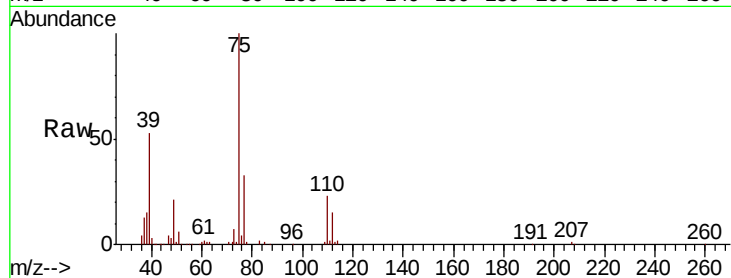
#53
t-1,3-Dichloropropene
Concen: 57.507 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.5	36.7

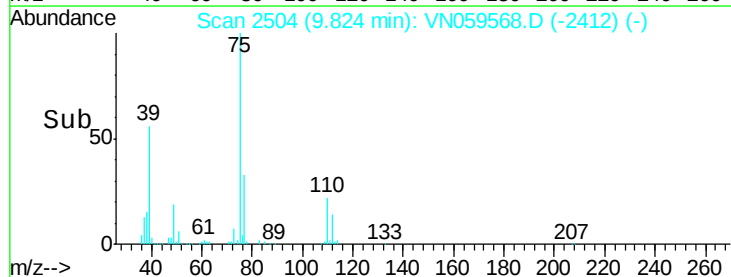
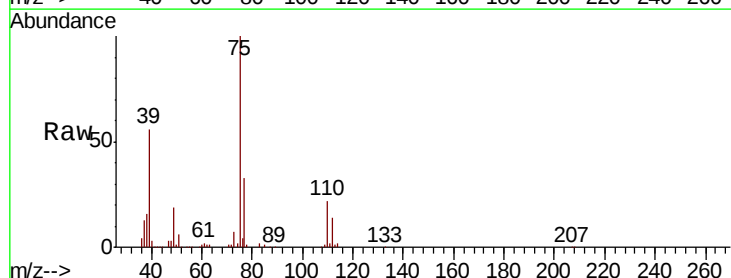
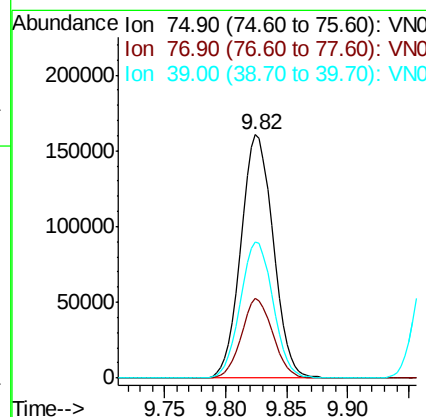
Manual Integrations
APPROVED

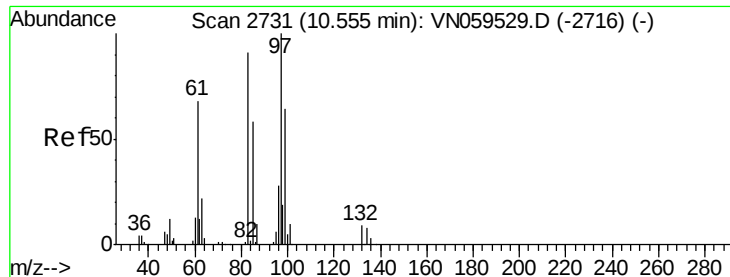
apatel
12/13/2019 2:16:59 PM



#54
cis-1,3-Dichloropropene
Concen: 58.313 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.6	36.8
39	56.0	45.6	68.4





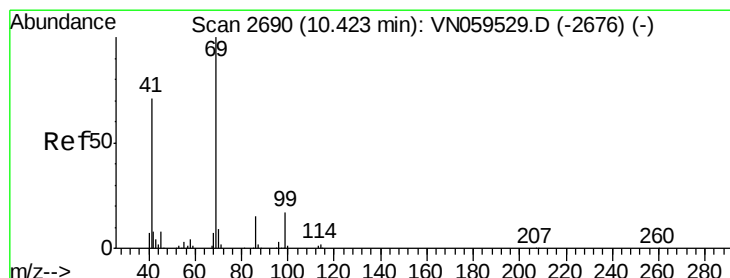
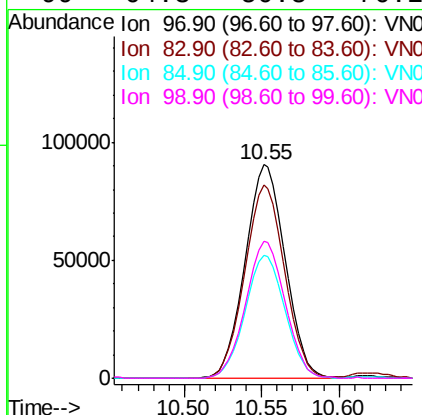
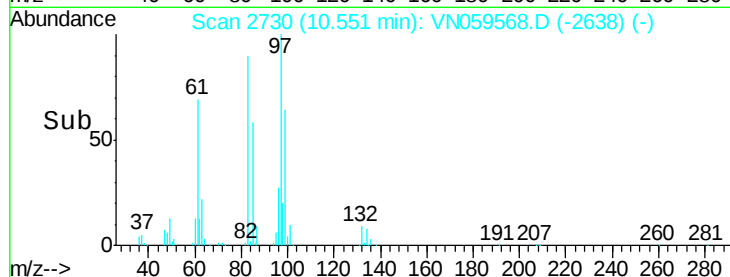
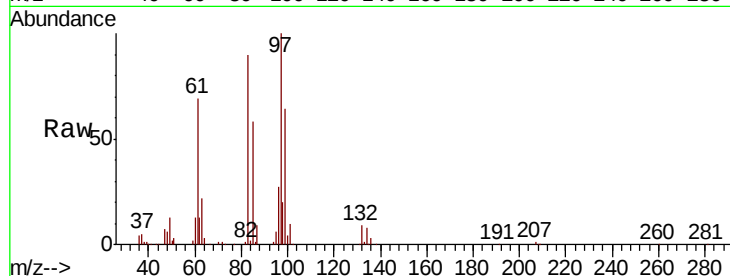
#55
 1,1,2-Trichloroethane
 Concen: 55.713 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	163485
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.9	109.3
85	57.6	46.1	69.1
99	64.3	50.8	76.2

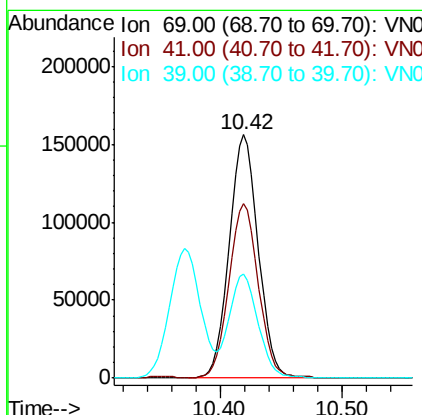
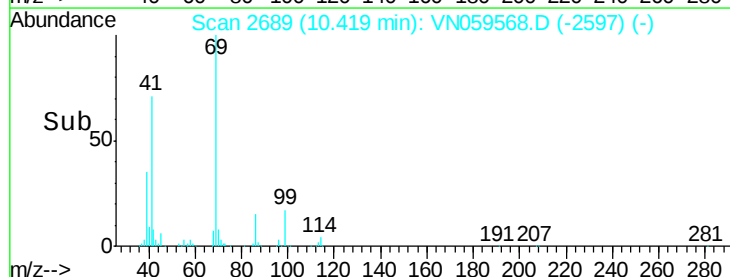
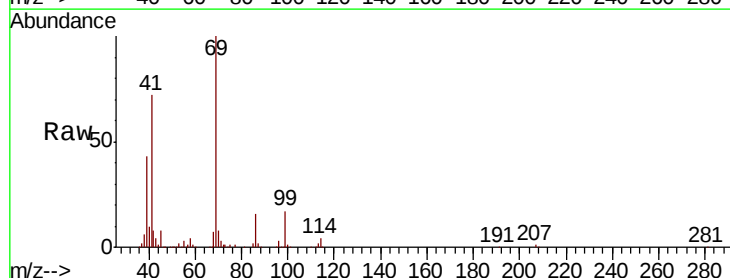
Manual Integrations
 APPROVED

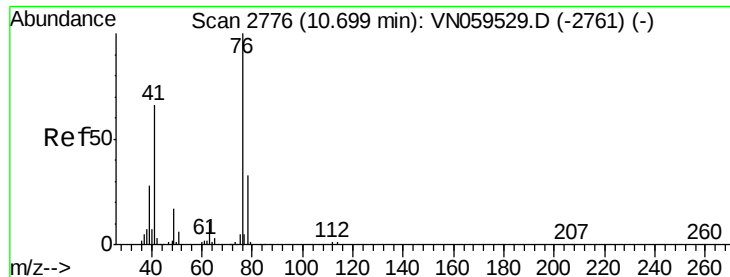
apatel
 12/13/2019 2:16:59 PM



#56
 Ethyl methacrylate
 Concen: 51.213 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion:	69	Resp:	259154
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.7	86.5
39	42.3	34.2	51.2





#57

1,3-Dichloropropane

Concen: 57.148 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 286406

Ion Ratio Lower Upper

76 100

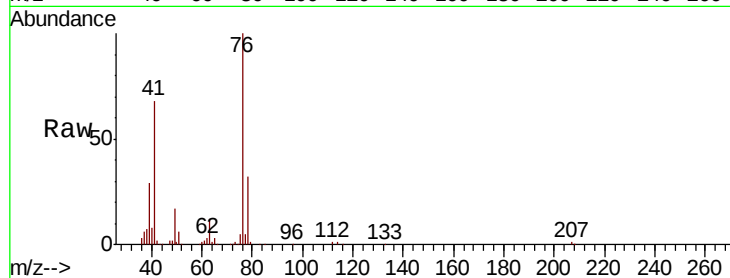
78 32.8 26.1 39.1

Manual Integrations

APPROVED

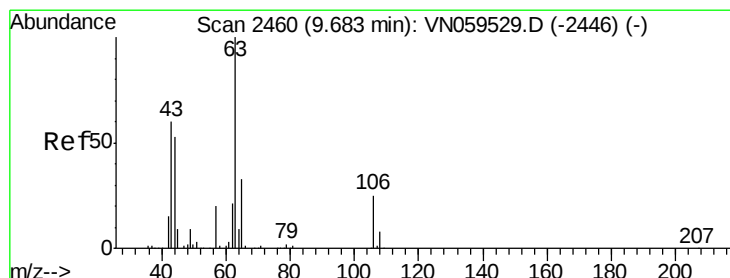
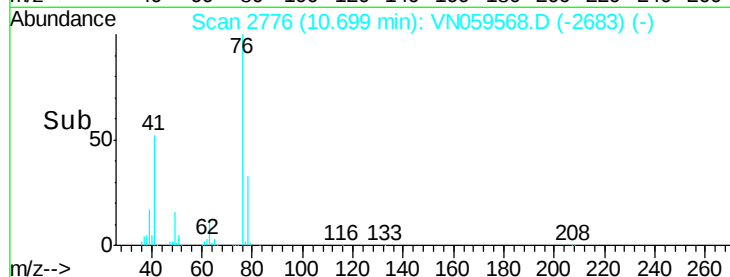
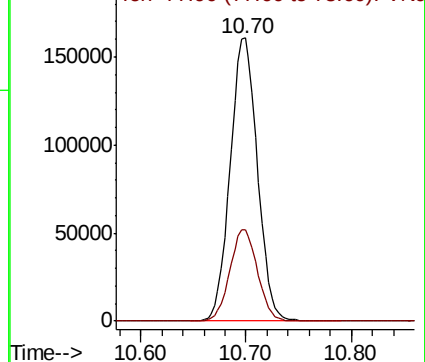
apatel

12/13/2019 2:16:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 358.844 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059568.D

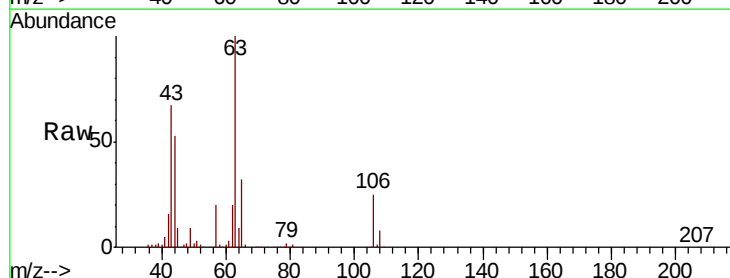
Acq: 12 Dec 2019 11:56

Tgt Ion: 63 Resp: 431376

Ion Ratio Lower Upper

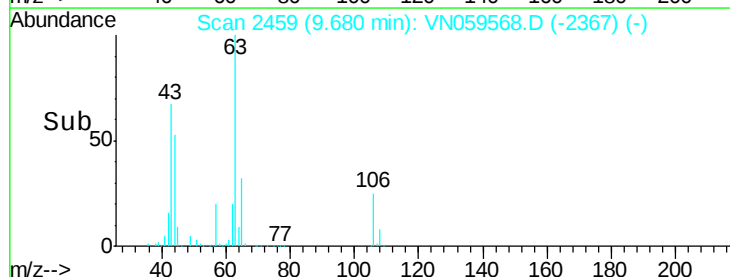
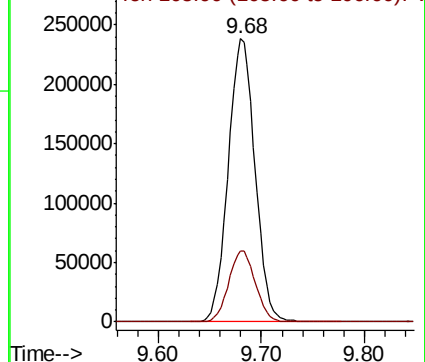
63 100

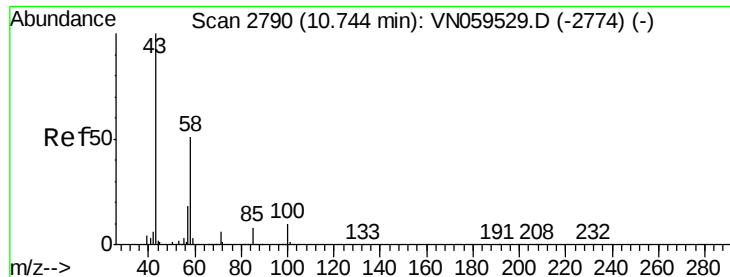
106 25.1 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





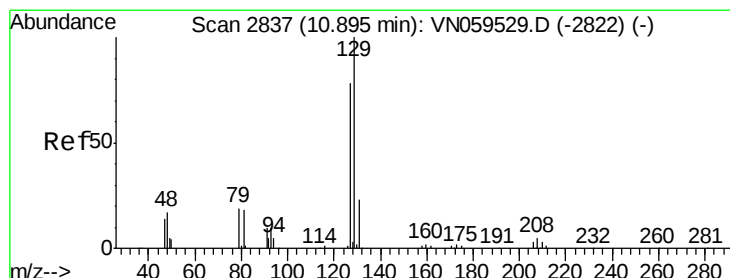
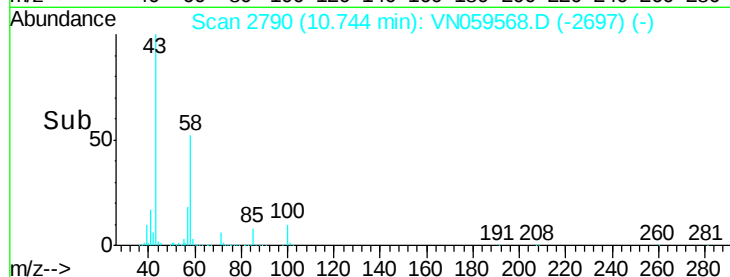
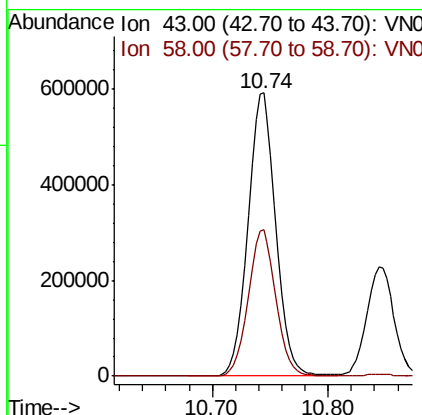
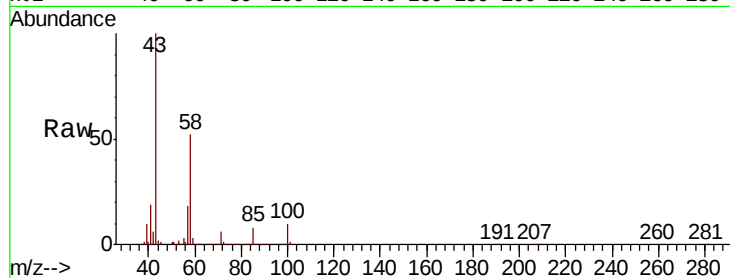
#59
2-Hexanone
Concen: 276.559 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 988448
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6

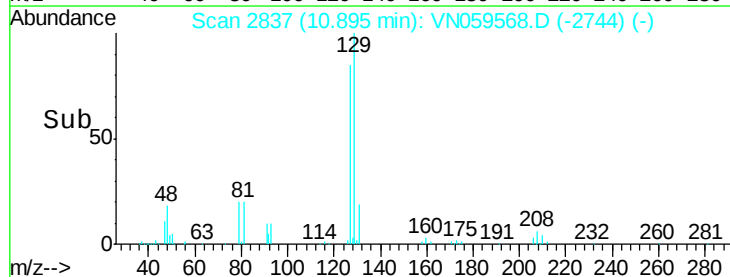
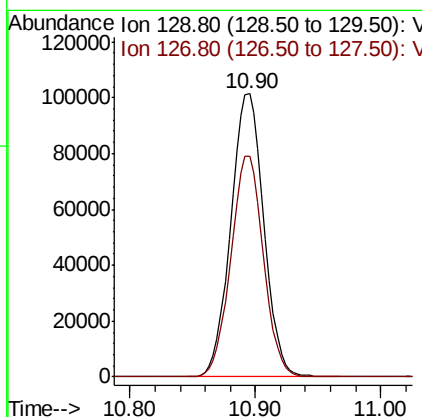
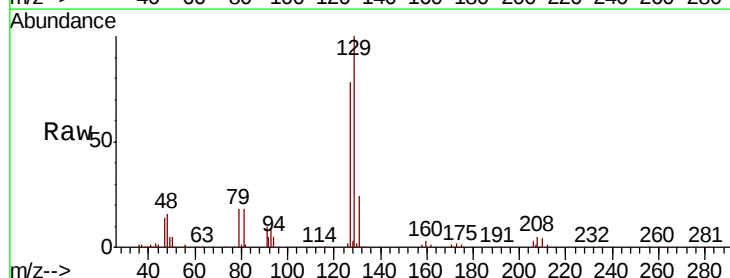
Manual Integrations
APPROVED

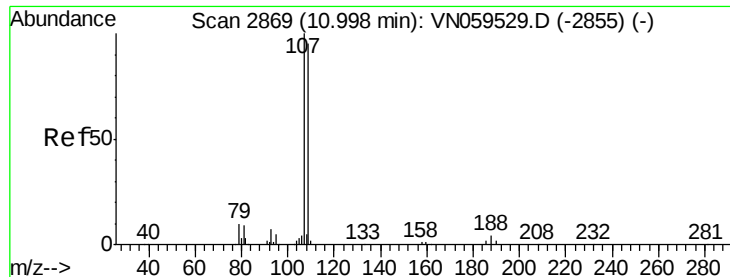
apatel
12/13/2019 2:16:59 PM



#60
Dibromochloromethane
Concen: 52.775 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 129 Resp: 185038
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





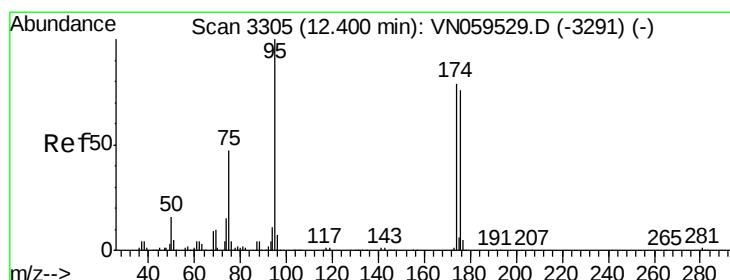
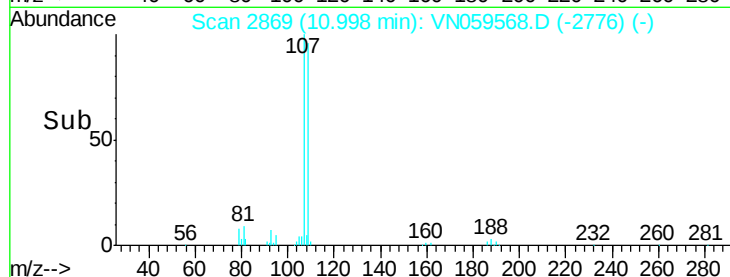
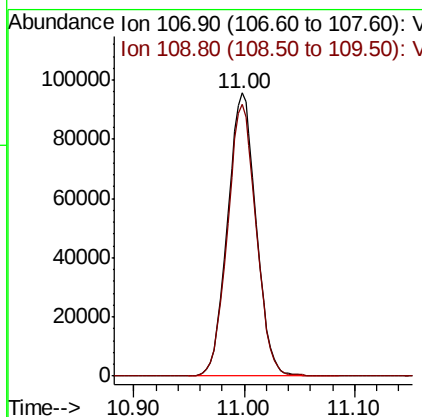
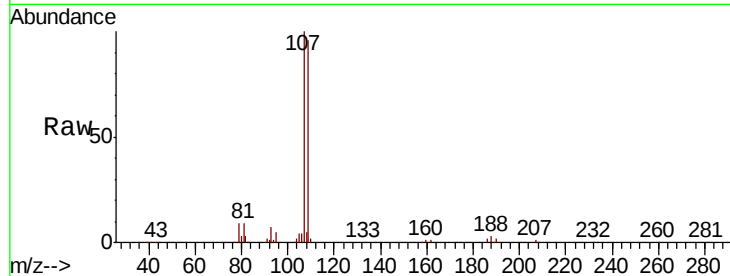
#61
 1,2-Dibromoethane
 Concen: 56.252 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.1	114.1

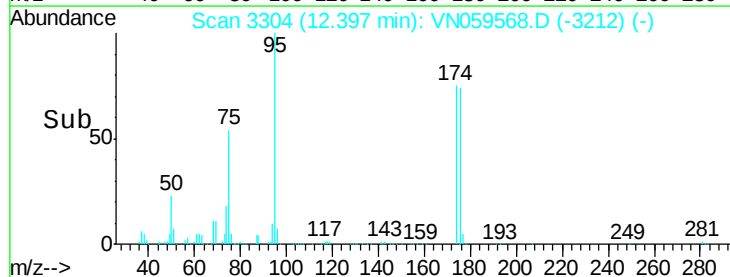
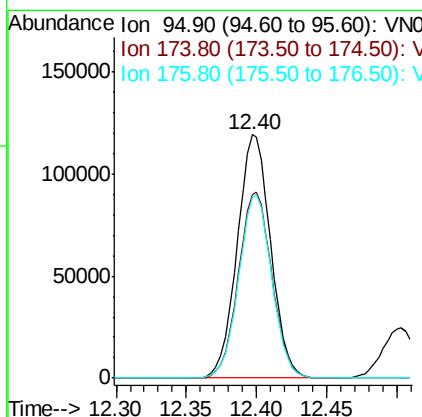
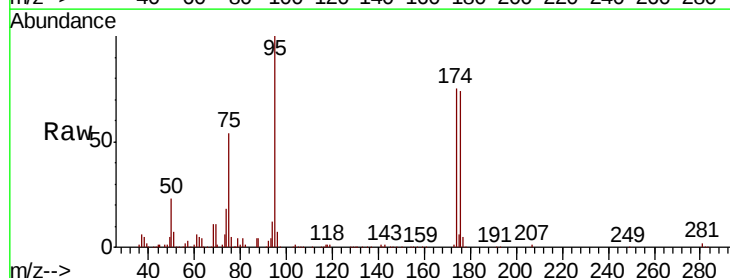
Manual Integrations
 APPROVED

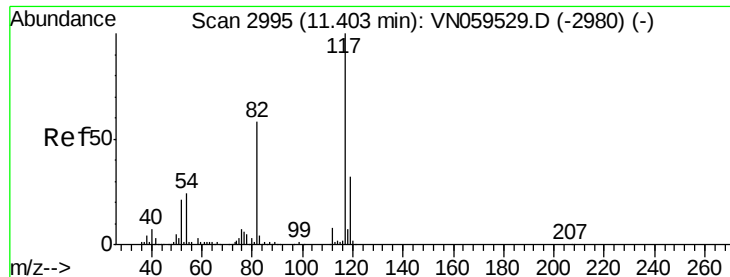
apatel
 12/13/2019 2:16:59 PM



#62
 4-Bromofluorobenzene
 Concen: 52.918 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	158.0
176	74.5	0.0	155.4





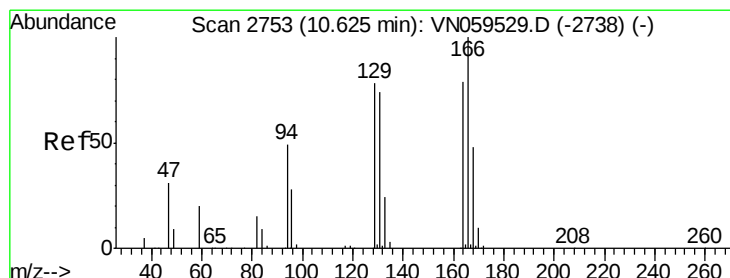
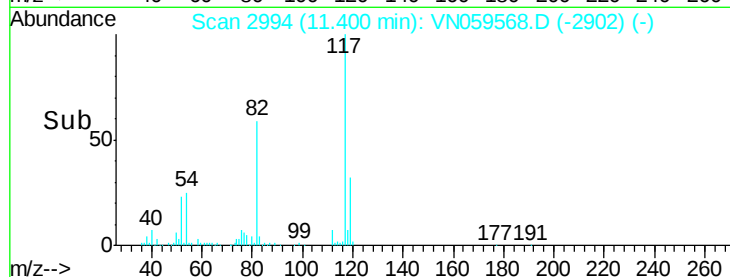
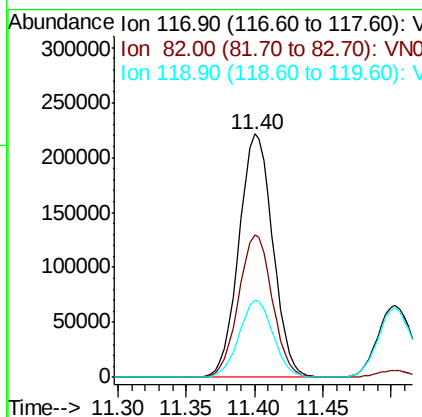
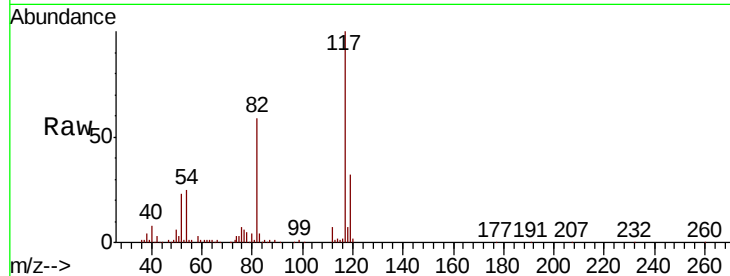
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382856		
82	58.6	46.5	69.7	
119	31.9	25.2	37.8	

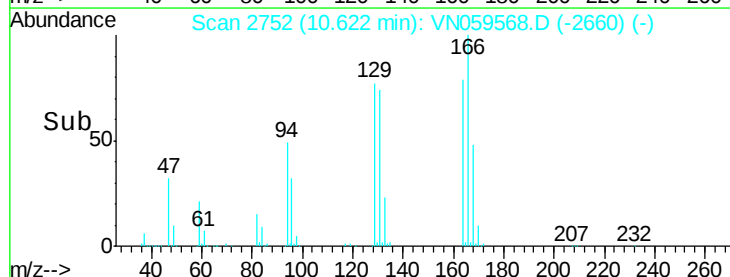
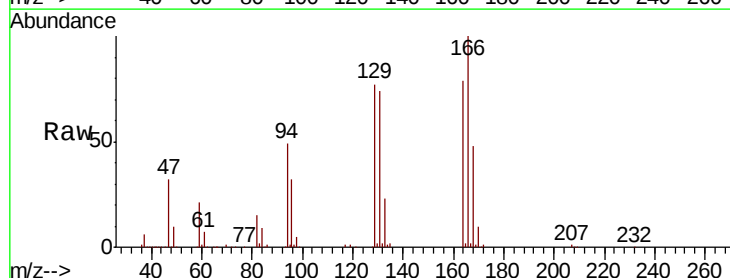
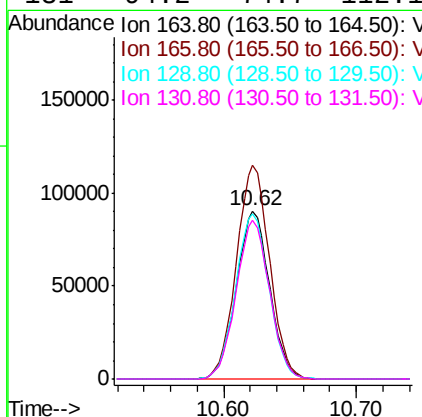
Manual Integrations
APPROVED

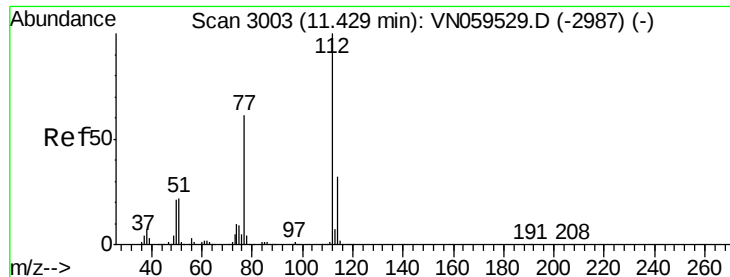
apatel
12/13/2019 2:16:59 PM



#64
Tetrachloroethene
Concen: 56.504 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158104		
166	127.2	101.6	152.4	
129	98.4	79.0	118.6	
131	94.2	74.7	112.1	





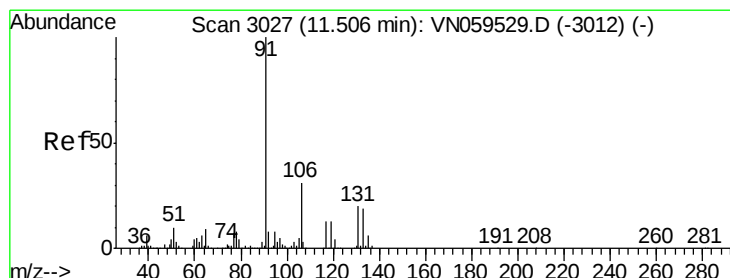
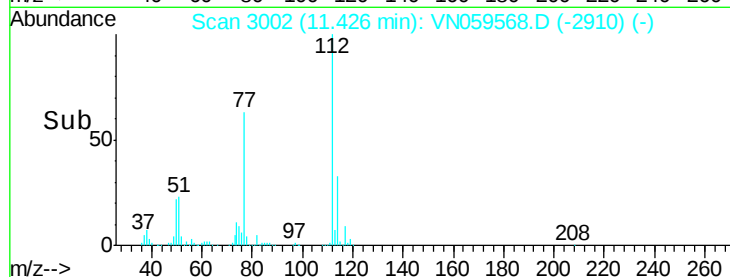
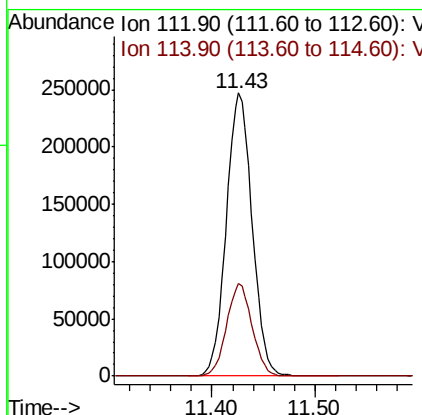
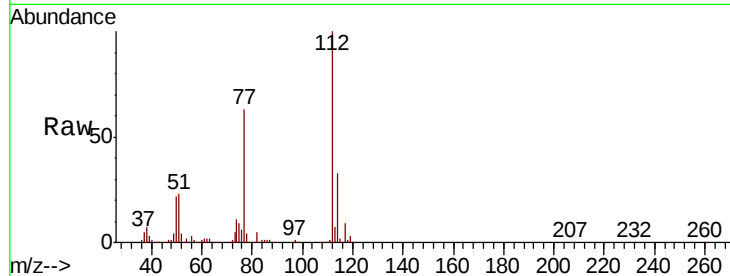
#65
Chlorobenzene
Concen: 53.720 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 430950
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

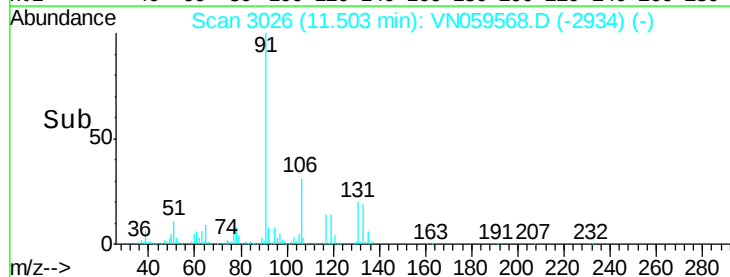
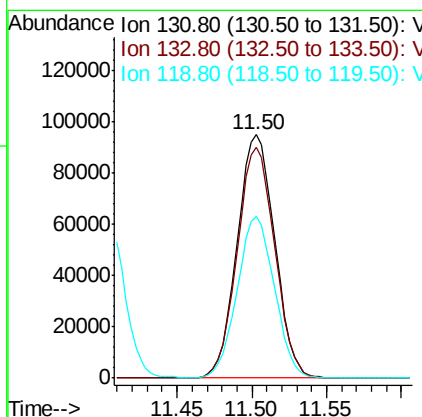
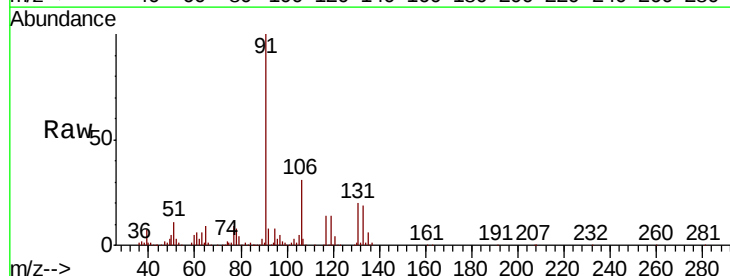
Manual Integrations
APPROVED

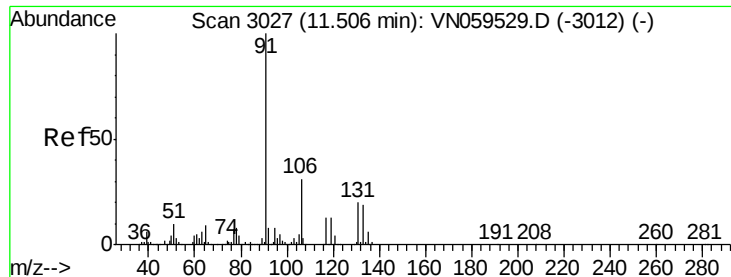
apatel
12/13/2019 2:16:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.598 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion:131 Resp: 166347
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.9 33.4 100.2





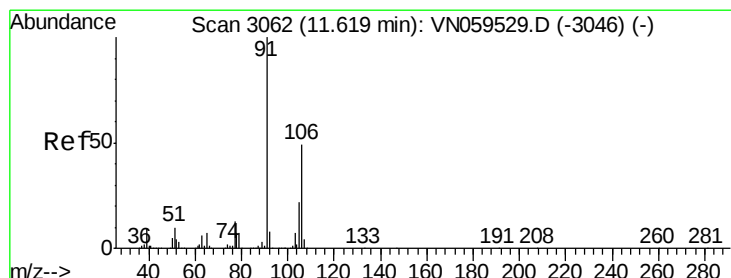
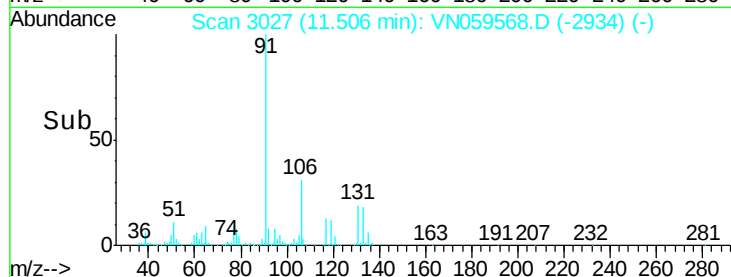
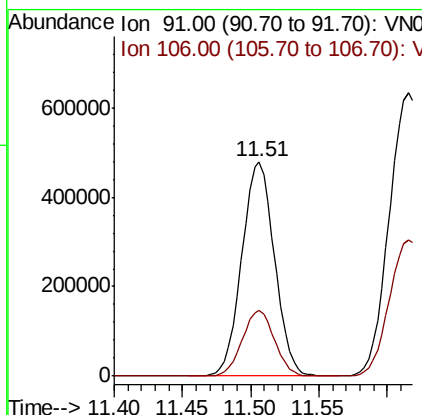
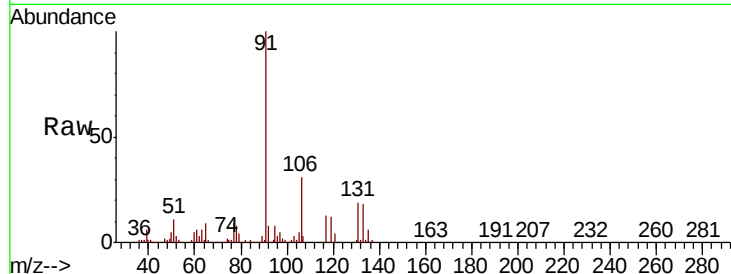
#67
Ethyl Benzene
Concen: 55.131 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 795853
Ion Ratio Lower Upper
91 100
106 30.5 24.5 36.7

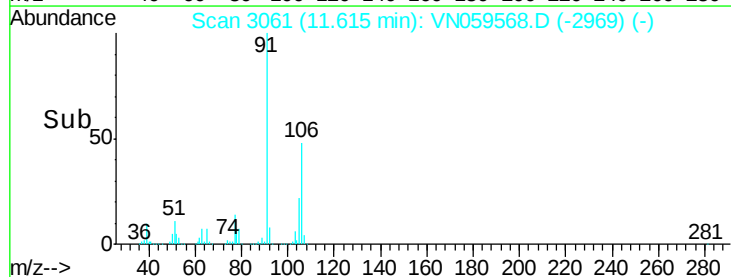
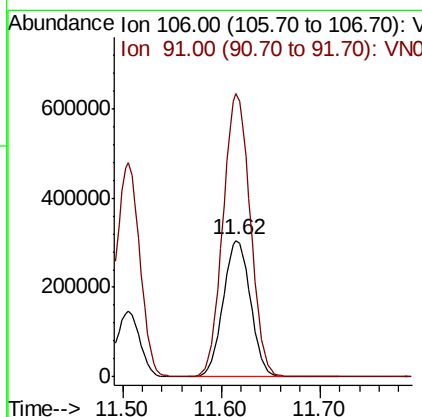
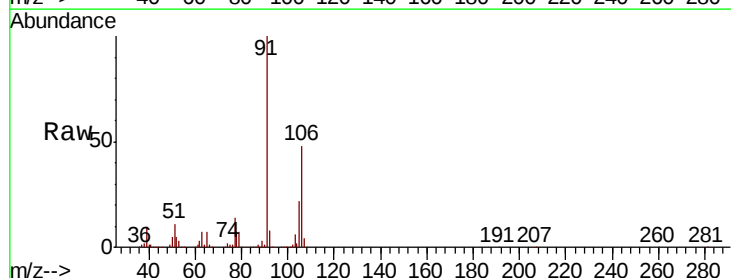
Manual Integrations
APPROVED

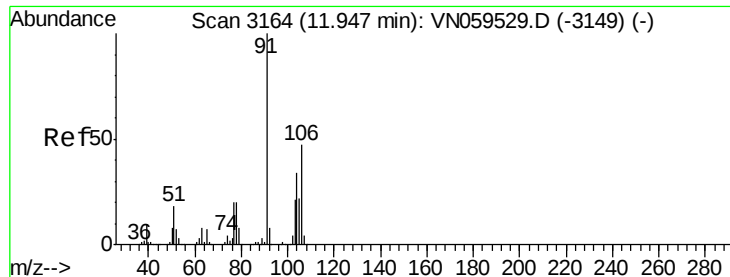
apatel
12/13/2019 2:16:59 PM



#68
m/p-Xylenes
Concen: 109.401 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 106 Resp: 592434
Ion Ratio Lower Upper
106 100
91 207.0 162.9 244.3





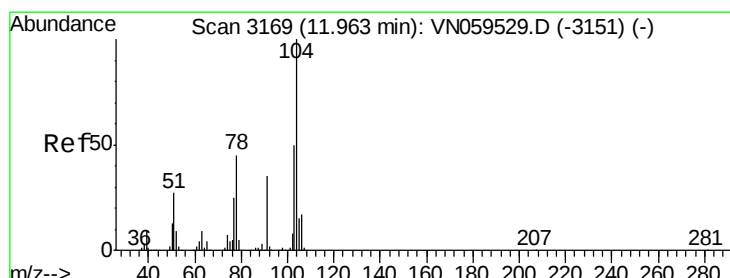
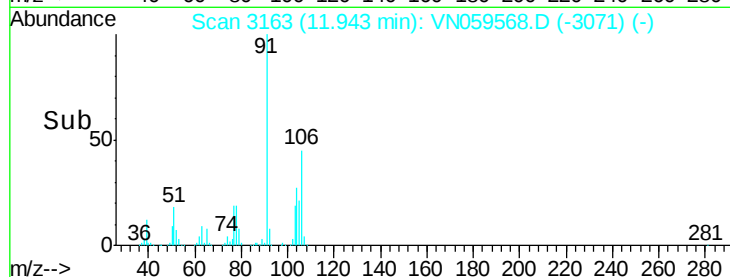
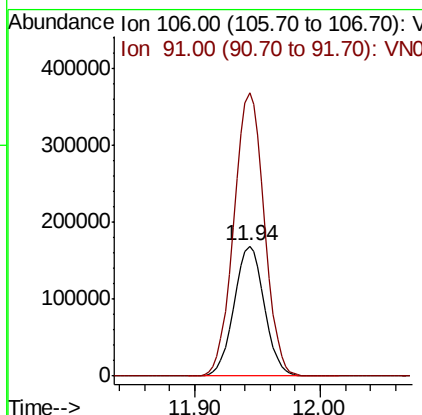
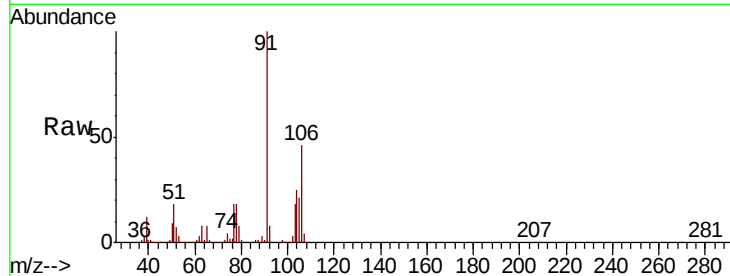
#69
o-Xylene
Concen: 56.263 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.6	106.7	319.9	

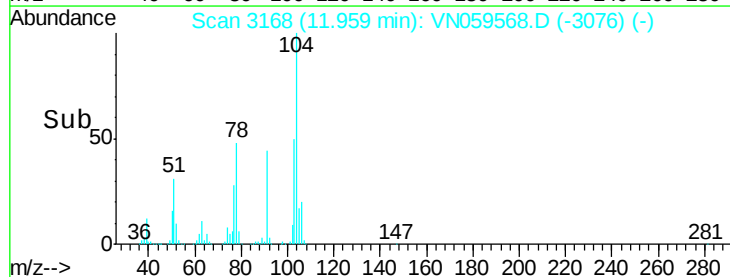
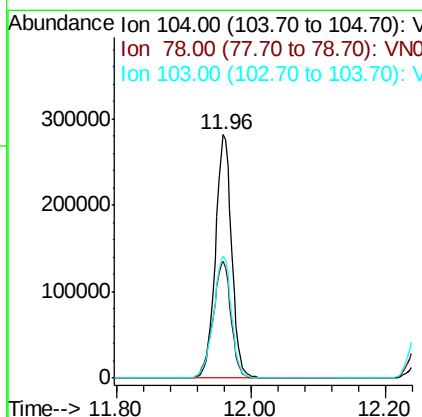
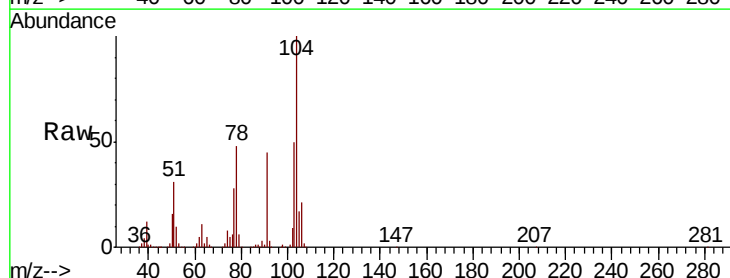
Manual Integrations
APPROVED

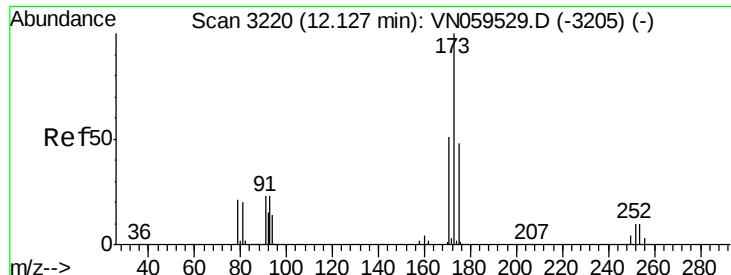
apatel
12/13/2019 2:16:59 PM



#70
Styrene
Concen: 56.975 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.6	40.6	60.8	
103	55.1	43.9	65.9	





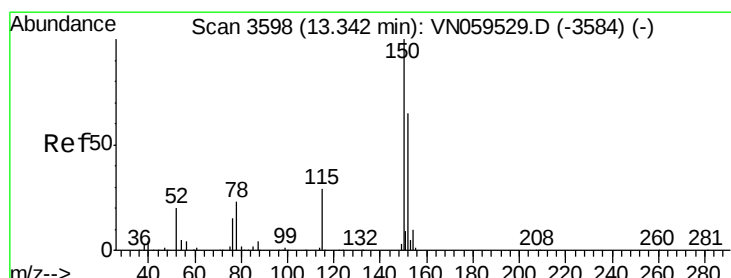
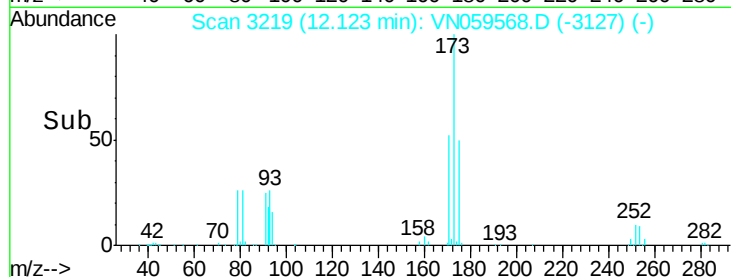
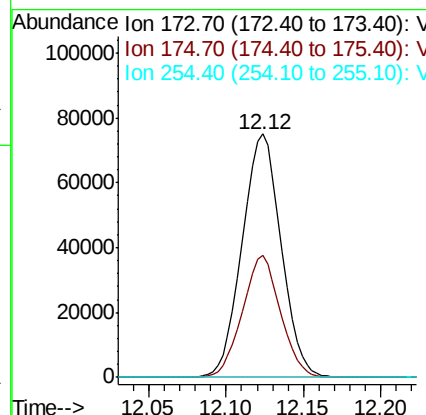
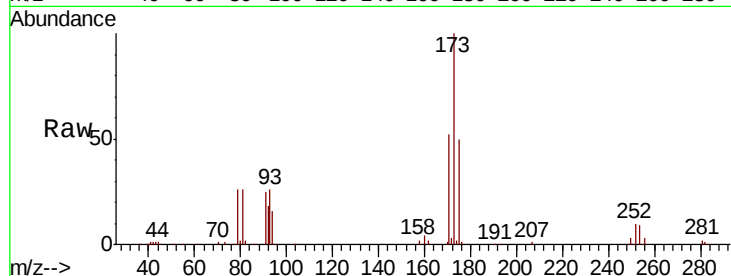
#71
Bromoform
Concen: 55.860 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.1	0.0	0.0#

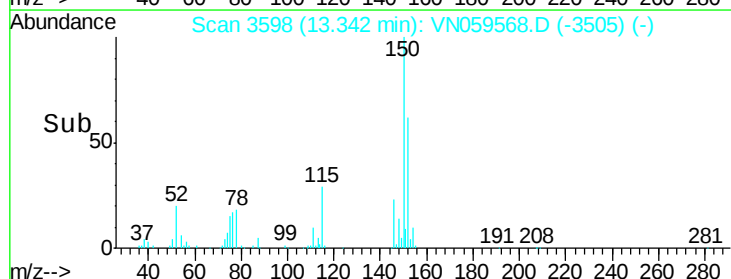
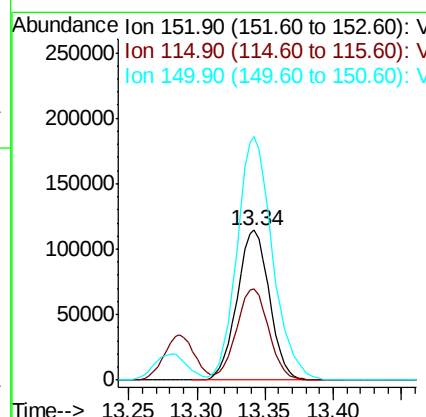
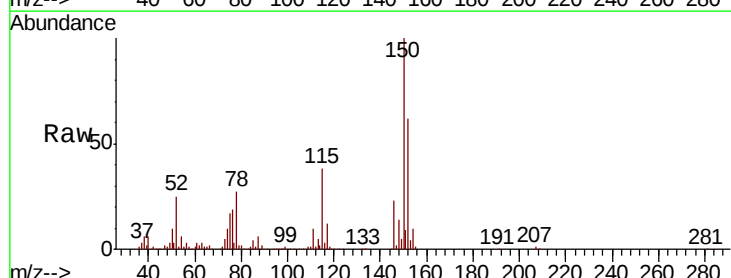
Manual Integrations
APPROVED

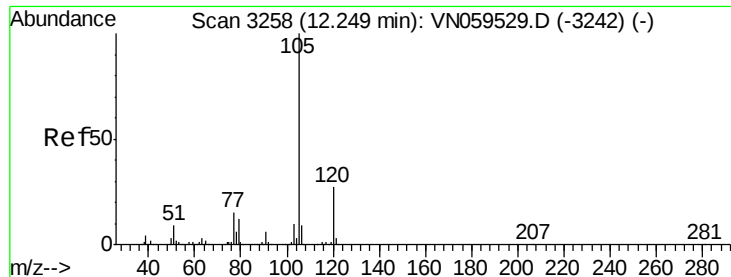
apatel
12/13/2019 2:16:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.4	88.2
150	177.2	0.0	342.4





#73

Isopropylbenzene

Concen: 54.195 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 766405

Ion Ratio Lower Upper

105 100

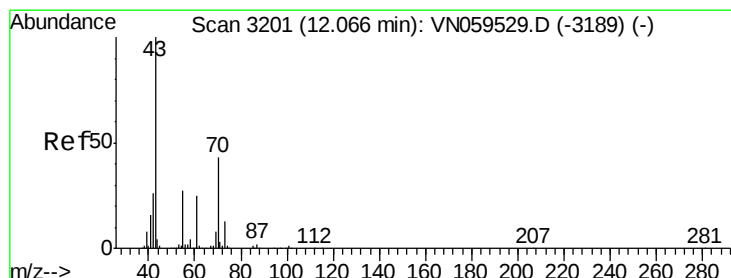
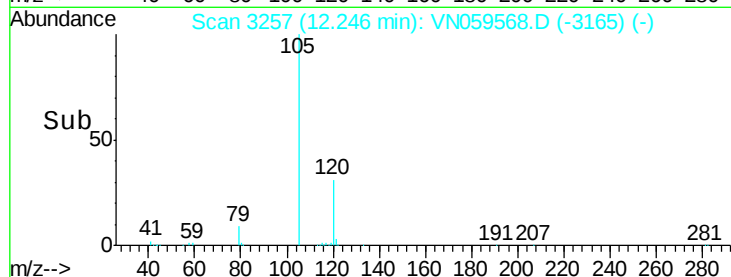
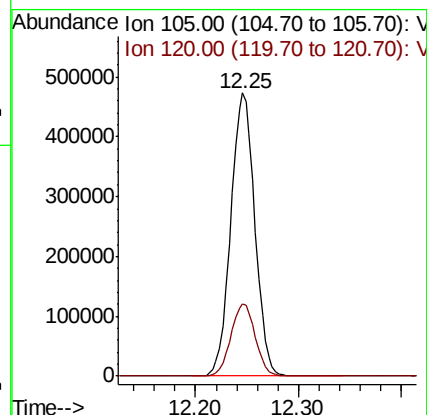
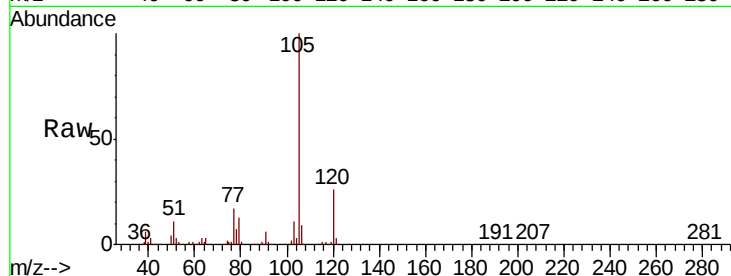
120 25.9 13.2 39.5

Manual Integrations

APPROVED

apatel

12/13/2019 2:16:59 PM



#74

N-ethyl acetate

Concen: 59.882 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion: 43 Resp: 368878

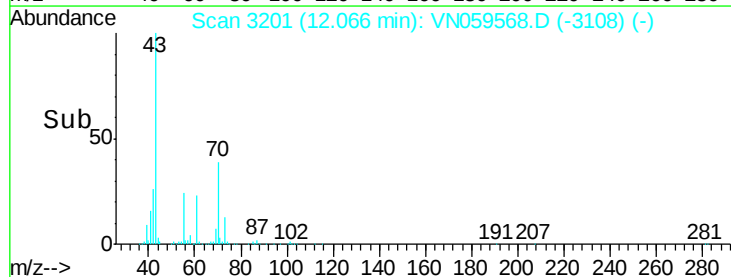
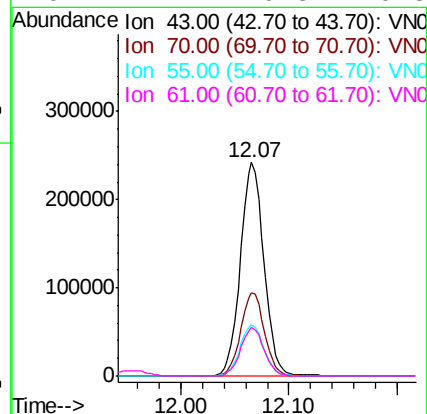
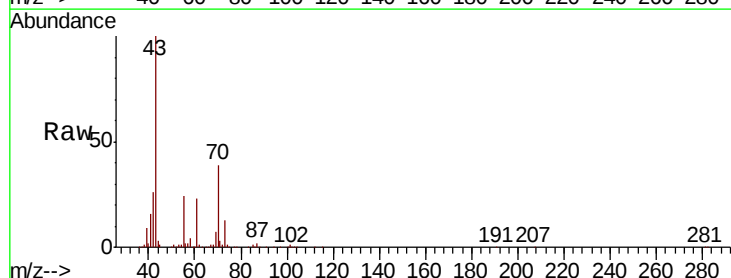
Ion Ratio Lower Upper

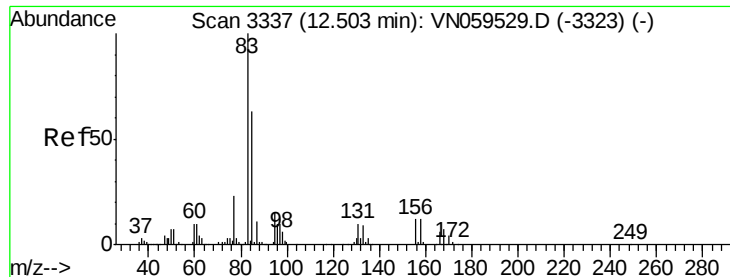
43 100

70 39.4 34.2 51.4

55 24.5 21.3 31.9

61 22.7 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.364 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

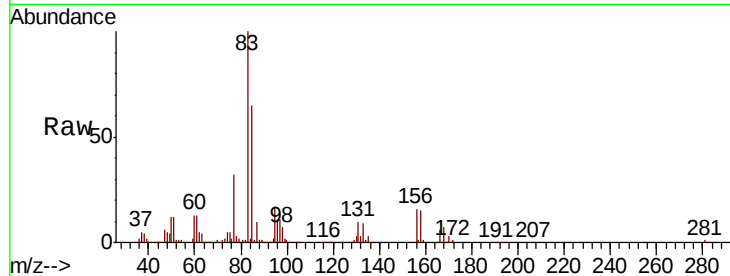
ClientSampleId :

VSTDCCC050

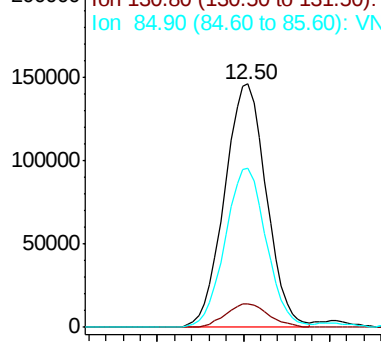
Tot Ion:	83	Resp:	246132
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.4	31.6	95.0

Manual Integrations
APPROVED

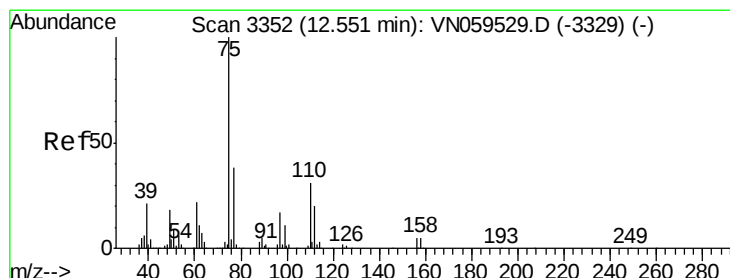
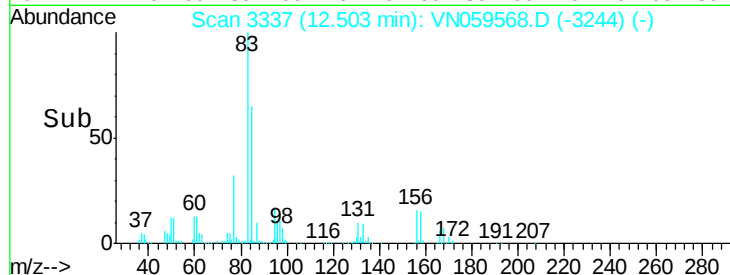
apatel
12/13/2019 2:16:59 PM



Abundance Ion 82.90 (82.60 to 83.60): VN059568.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 52.132 ug/l m

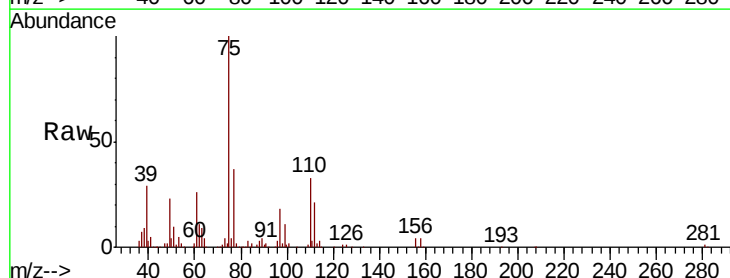
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

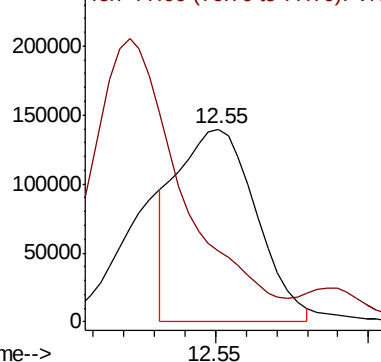
Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

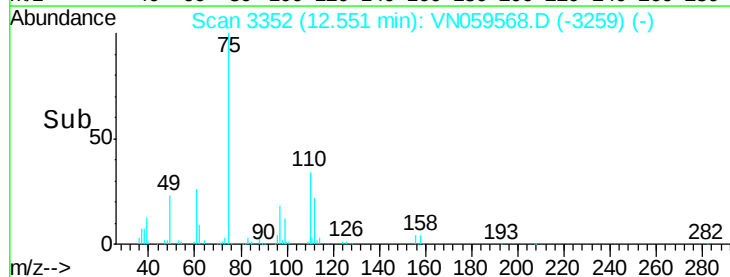
Tgt Ion:	75	Resp:	251336
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

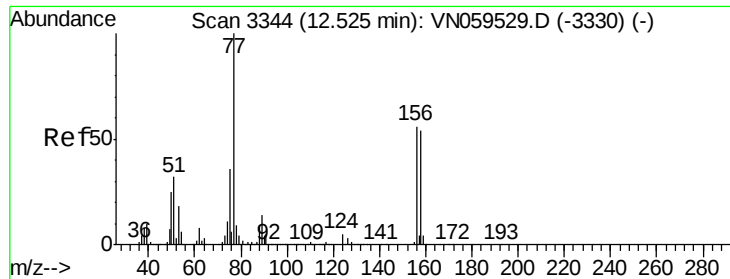


Abundance Ion 74.90 (74.60 to 75.60): VN059568.D (-3259) (-)



Time-->





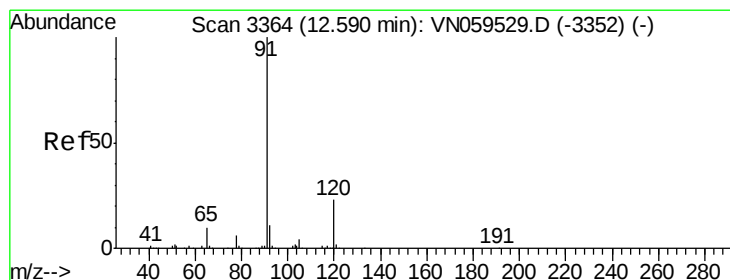
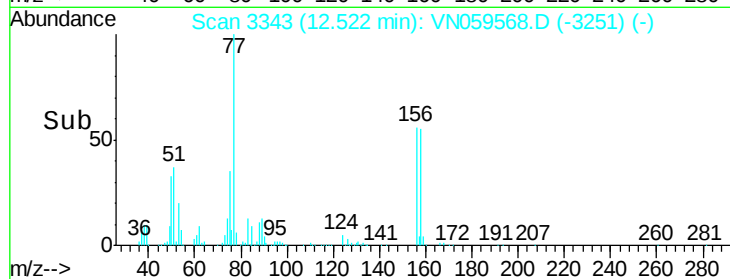
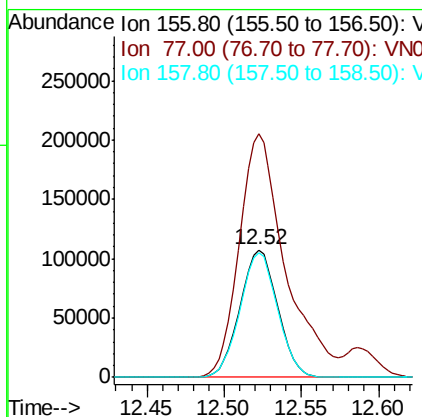
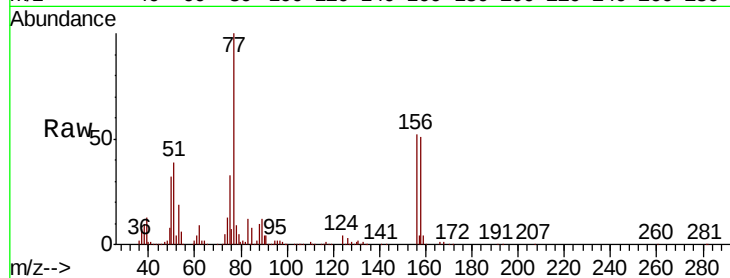
#77
Bromobenzene
Concen: 51.857 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	234.0	109.3	327.8
158	97.5	48.6	145.8

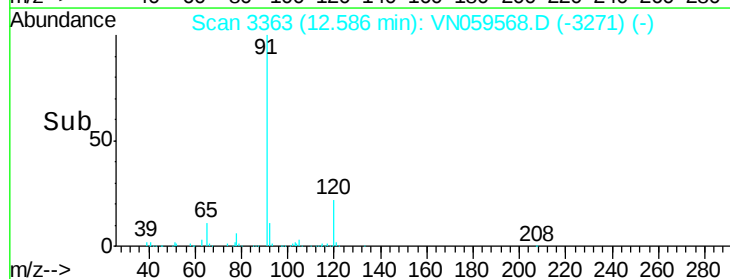
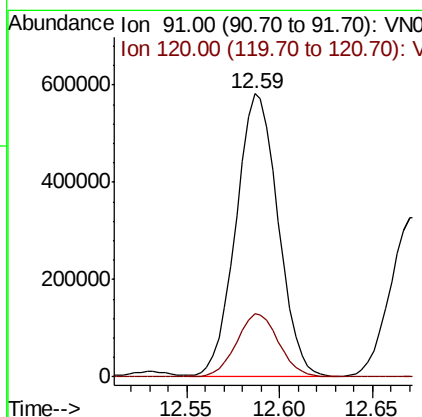
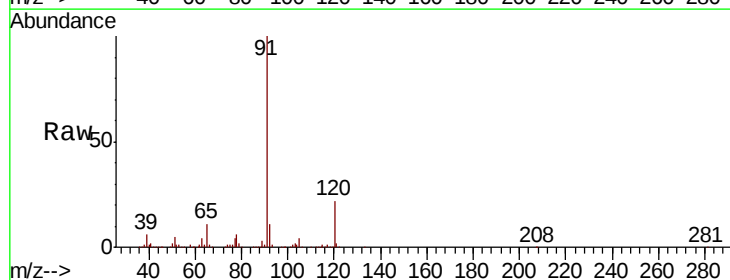
Manual Integrations
APPROVED

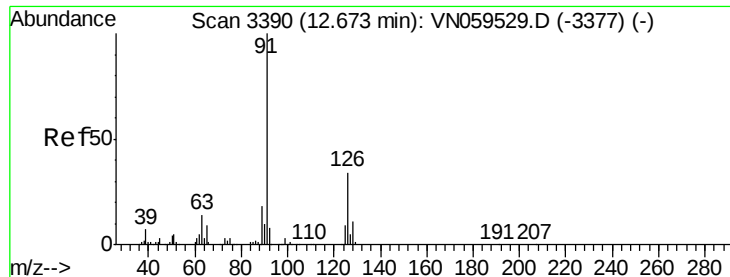
apatel
12/13/2019 2:16:59 PM



#78
n-propylbenzene
Concen: 53.115 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.4	34.1





#79

2-Chlorotoluene

Concen: 52.049 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 539346

Ion Ratio Lower Upper

91 100

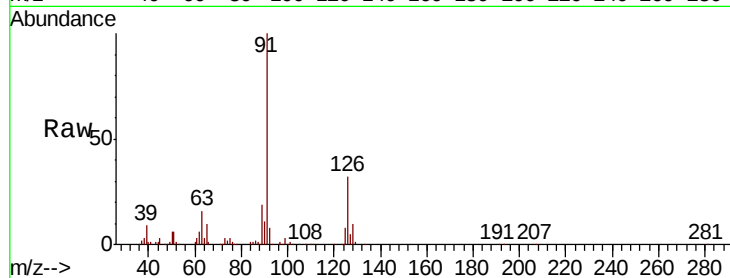
126 32.5 16.9 50.7

Manual Integrations

APPROVED

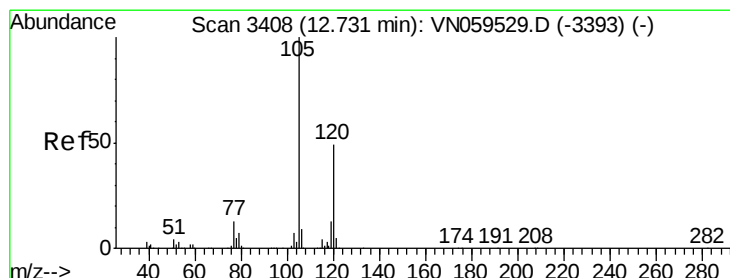
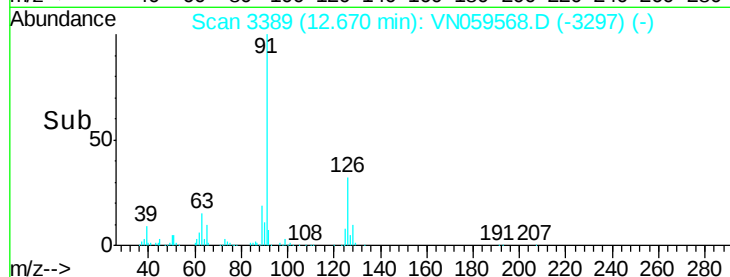
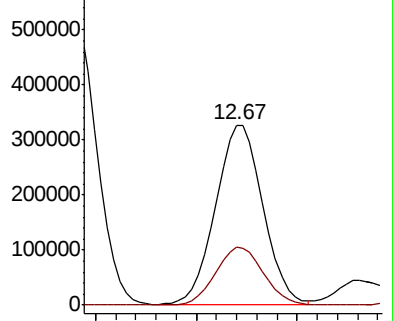
apatel

12/13/2019 2:16:59 PM



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

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.688 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059568.D

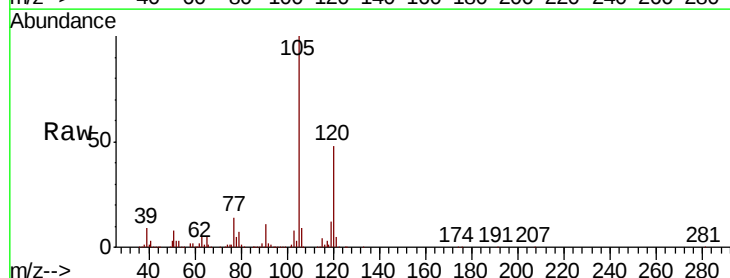
Acq: 12 Dec 2019 11:56

Tgt Ion: 105 Resp: 651074

Ion Ratio Lower Upper

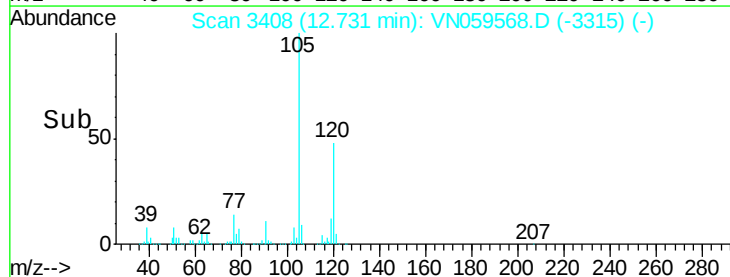
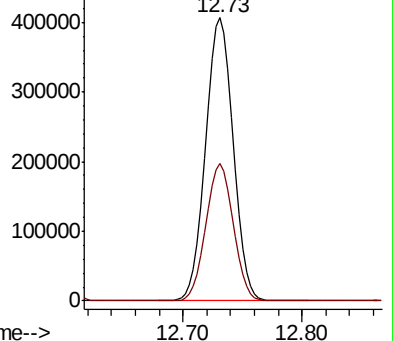
105 100

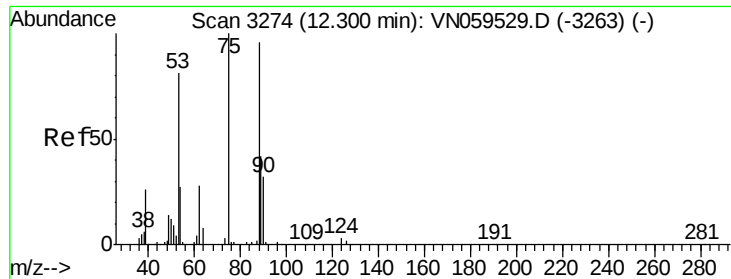
120 48.3 24.5 73.5



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

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.616 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

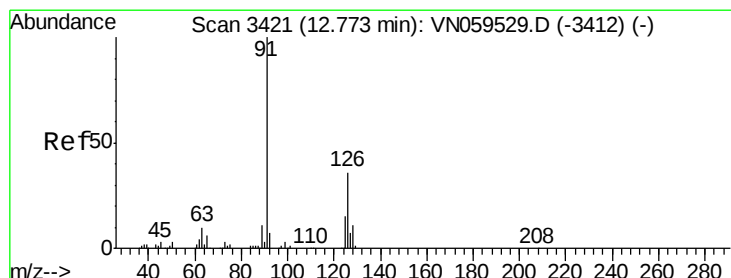
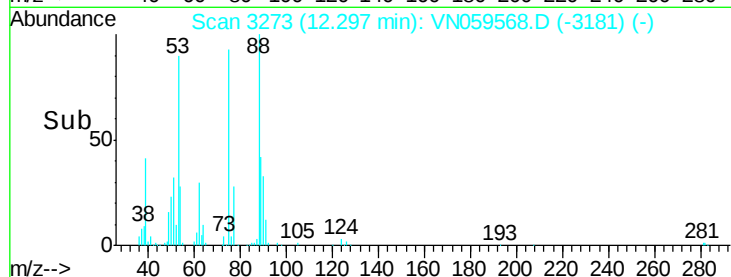
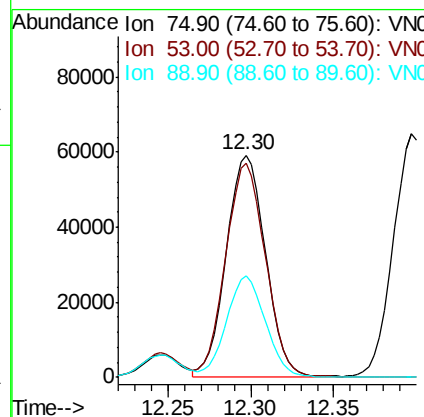
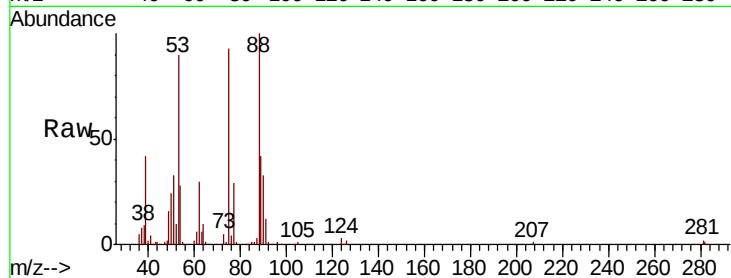
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	97868
Ion Ratio	Lower	Upper	
75	100		
53	97.8	67.0	100.6
89	45.2	35.5	53.3

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#82

4-Chlorotoluene

Concen: 53.698 ug/l

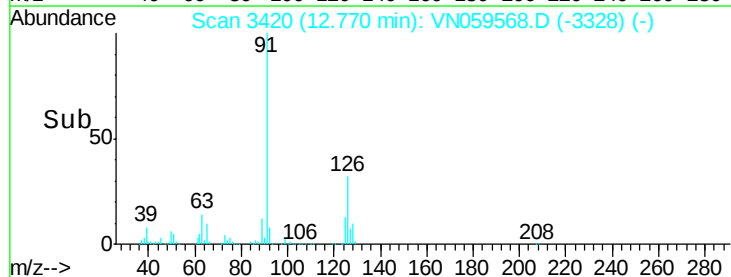
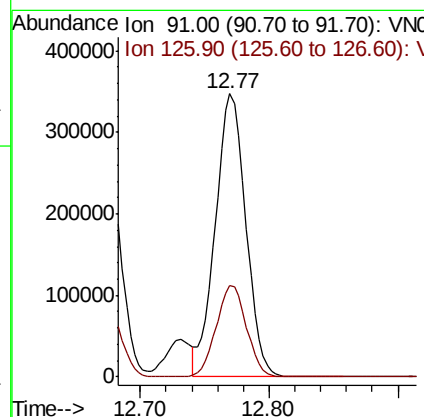
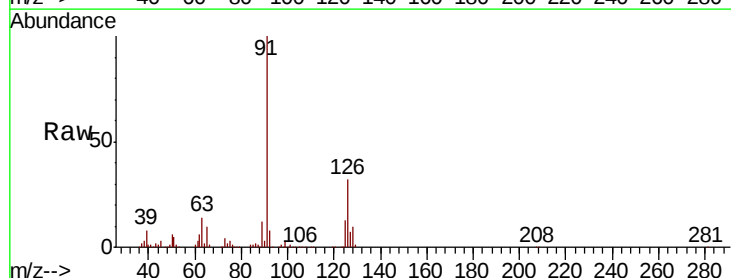
RT: 12.77 min Scan# 3420

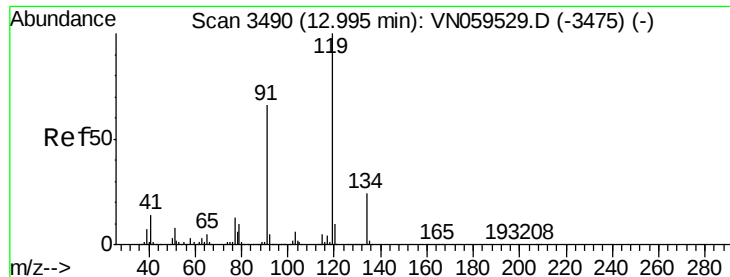
Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion:	91	Resp:	568964
Ion Ratio	Lower	Upper	
91	100		
126	32.2	16.4	49.4





#83

tert-Butylbenzene

Concen: 53.712 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

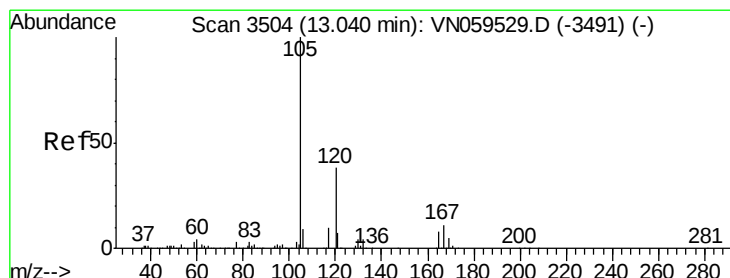
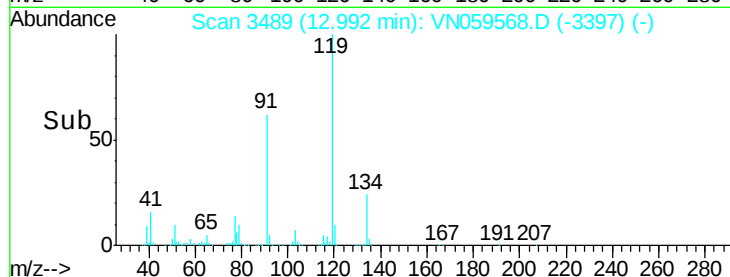
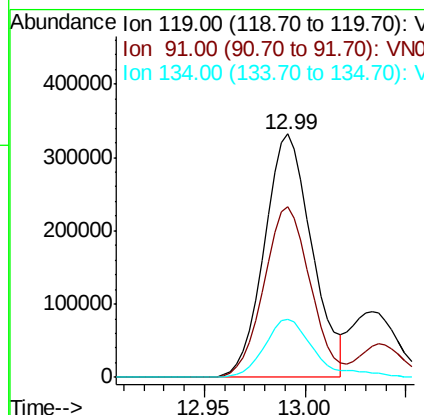
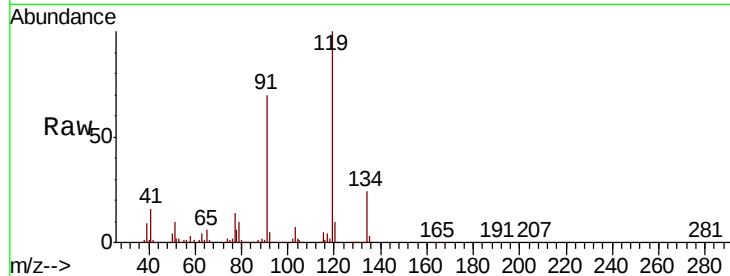
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	543168
Ion Ratio	Lower	Upper	
119	100		
91	68.7	32.8	98.4
134	25.3	12.8	38.3

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#84

1,2,4-Trimethylbenzene

Concen: 54.805 ug/l

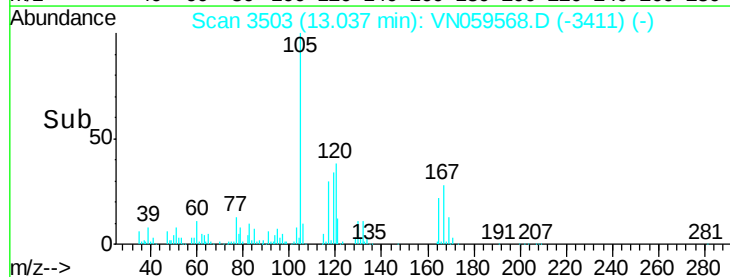
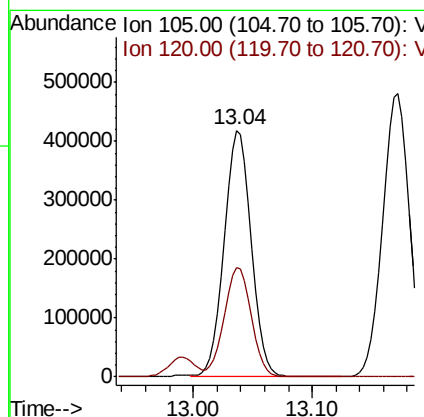
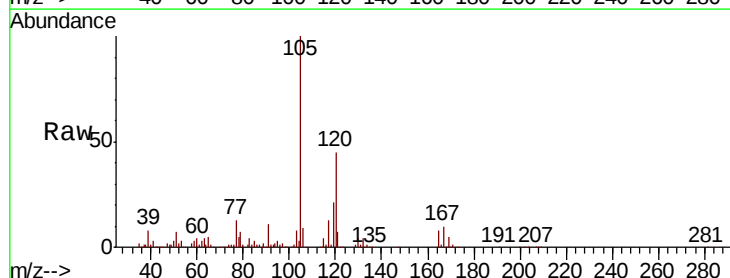
RT: 13.04 min Scan# 3503

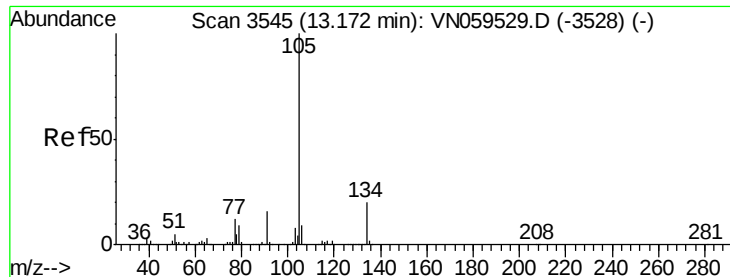
Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion:	105	Resp:	656249
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 54.449 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 756301

Ion Ratio Lower Upper

105 100

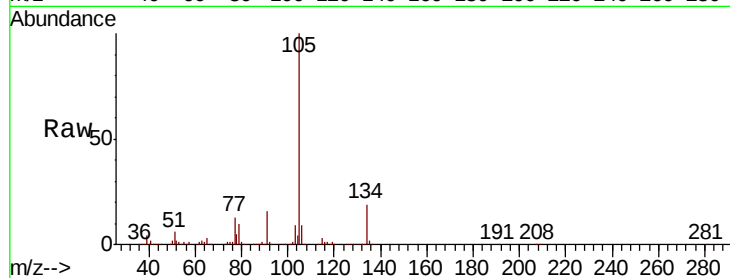
134 19.3 9.8 29.5

Manual Integrations

APPROVED

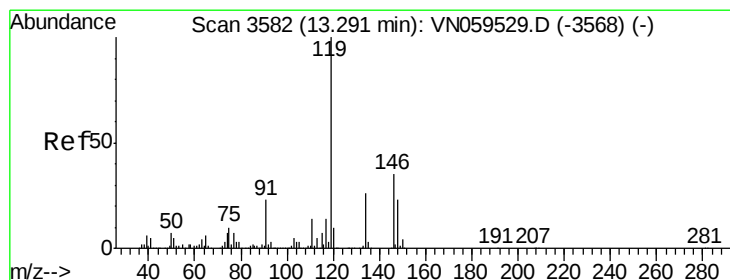
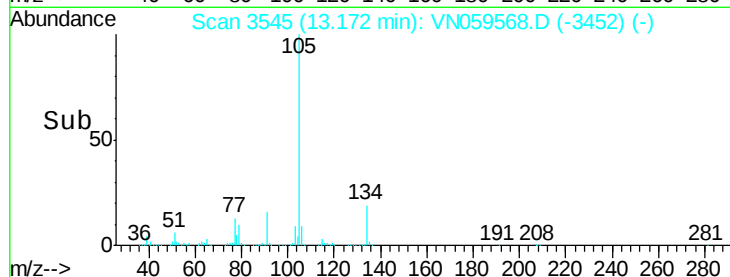
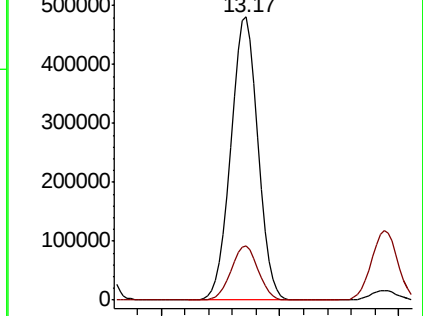
apatel

12/13/2019 2:16:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.342 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

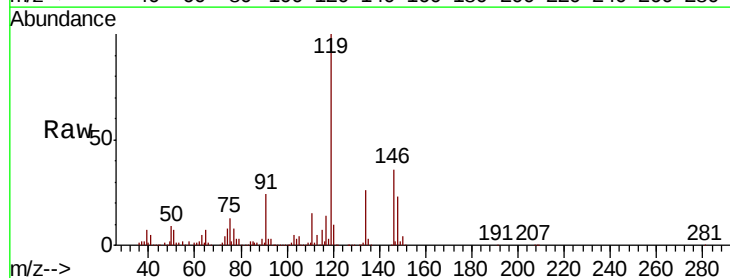
Tgt Ion:119 Resp: 699466

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

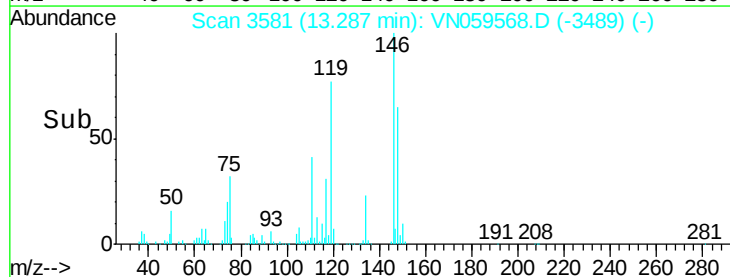
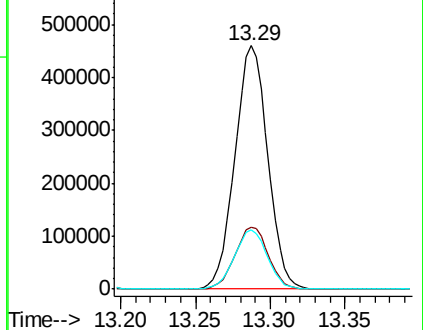
91 24.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





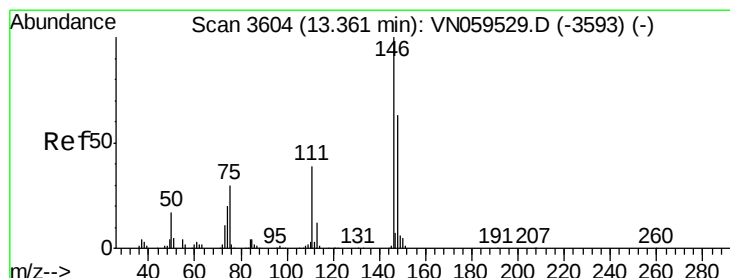
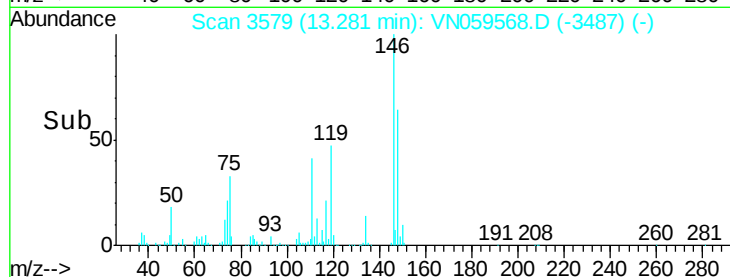
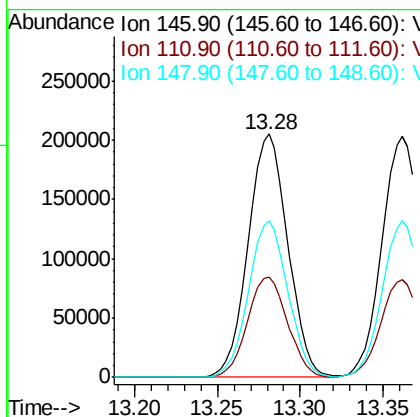
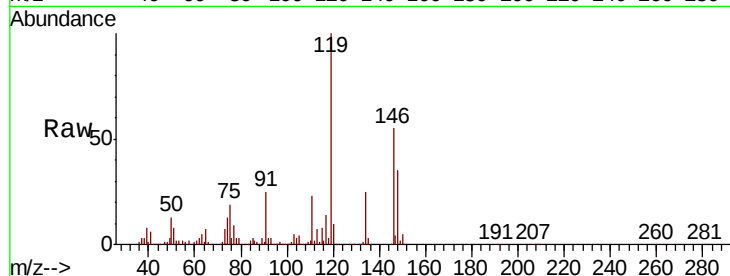
#87
 1,3-Dichlorobenzene
 Concen: 52.595 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	341062		
111	41.7	20.6	61.8	
148	63.9	32.0	96.0	

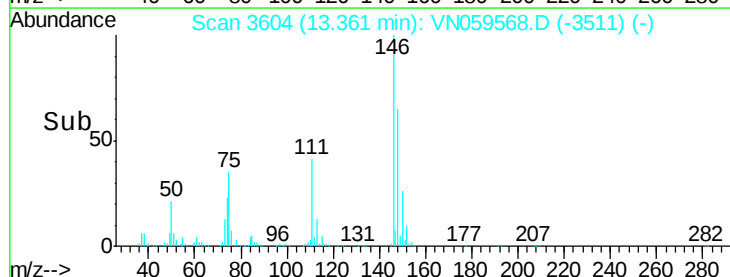
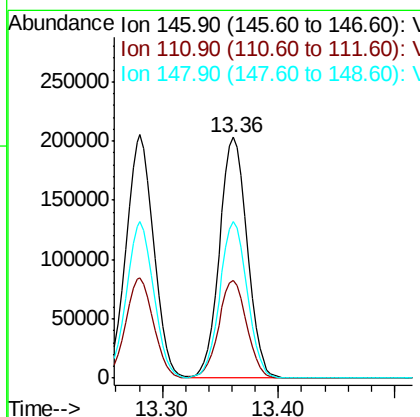
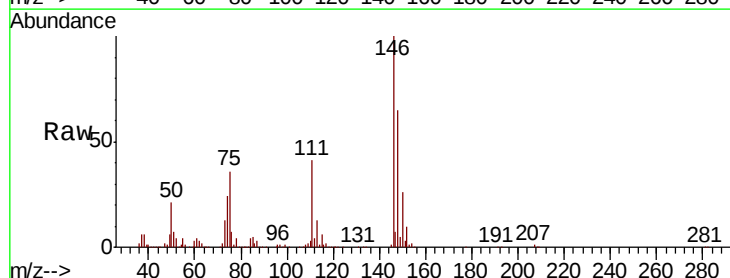
Manual Integrations
 APPROVED

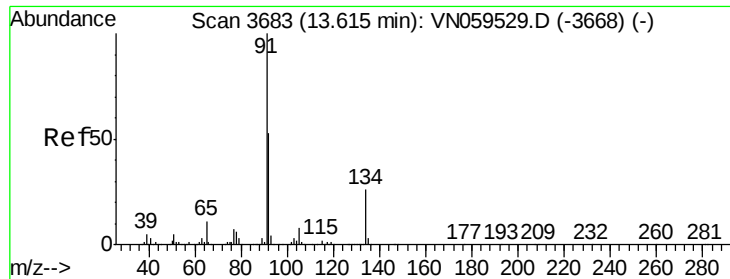
apatel
 12/13/2019 2:16:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.068 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	336957		
111	40.6	20.0	59.9	
148	64.2	31.9	95.7	





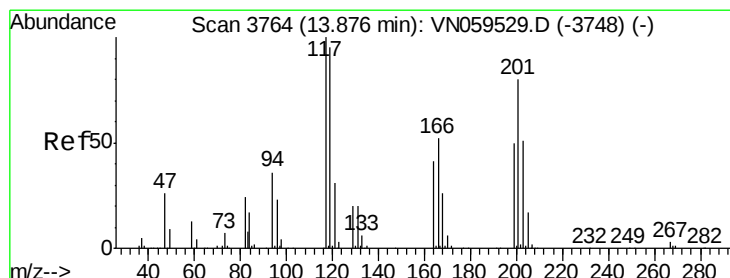
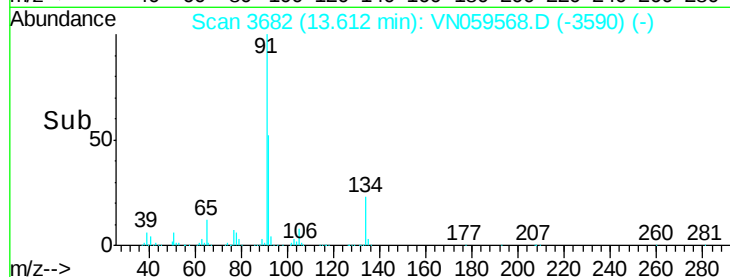
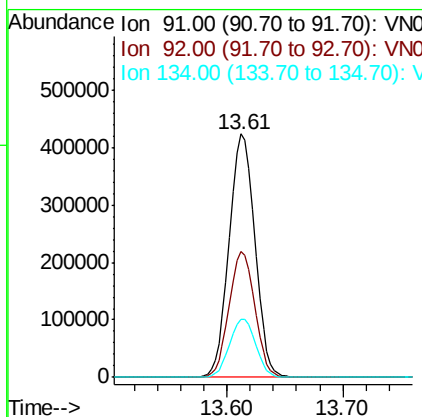
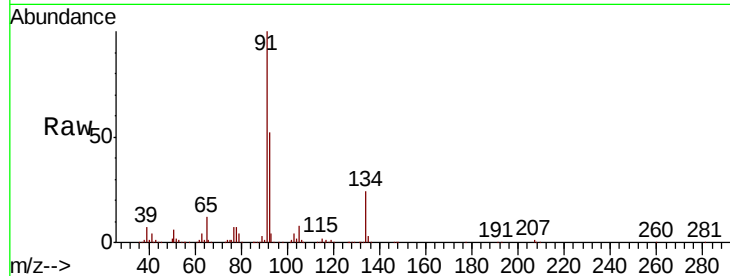
#89
n-Butylbenzene
Concen: 55.769 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.7	26.3	78.9	
134	24.4	12.8	38.4	

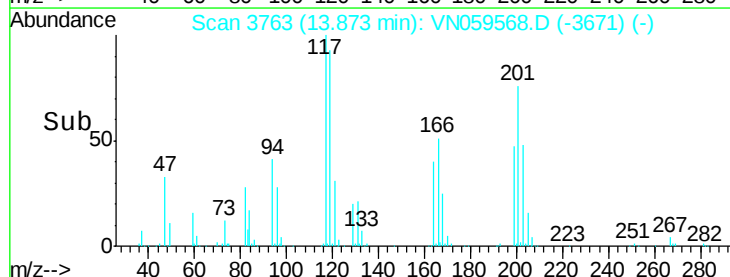
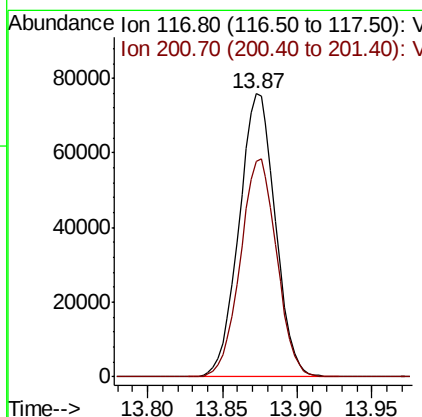
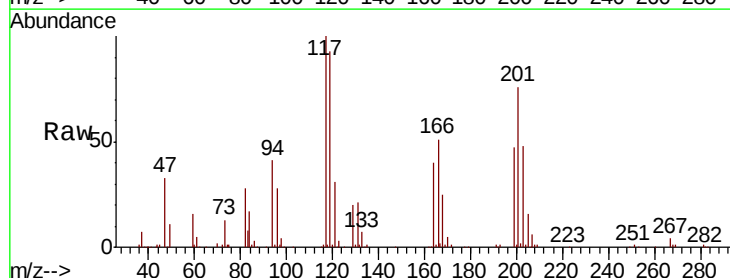
Manual Integrations
APPROVED

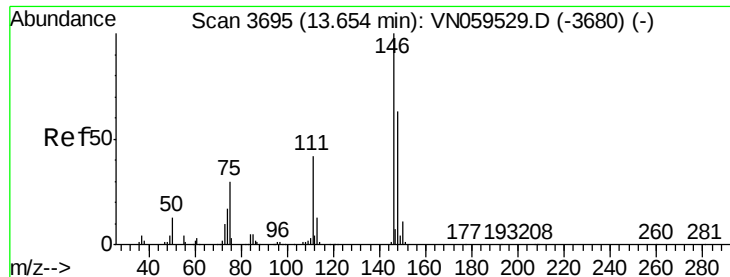
apatel
12/13/2019 2:16:59 PM



#90
Hexachloroethane
Concen: 56.200 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	76.9	40.5	121.5	





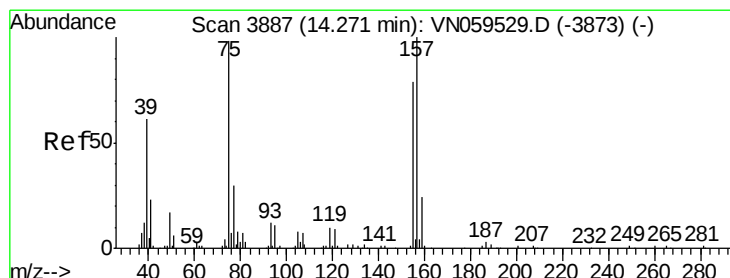
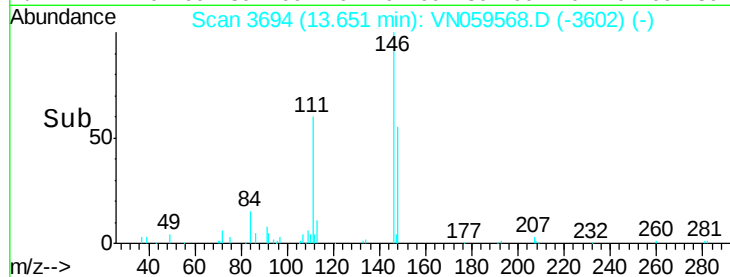
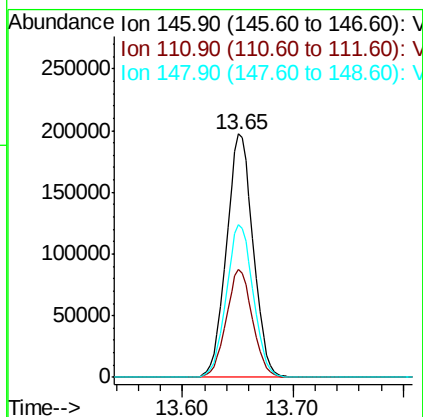
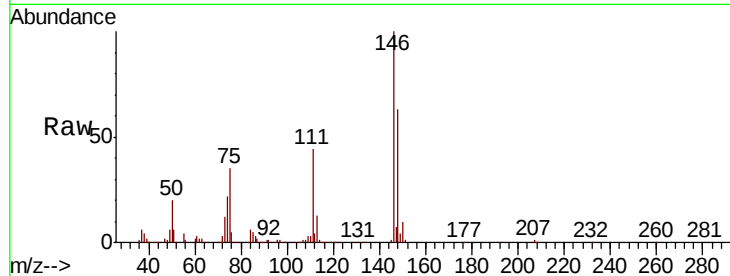
#91
 1,2-Dichlorobenzene
 Concen: 54.258 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.9	62.7
148	63.3	31.6	94.8

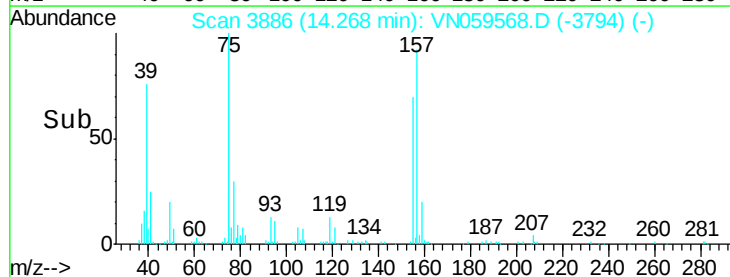
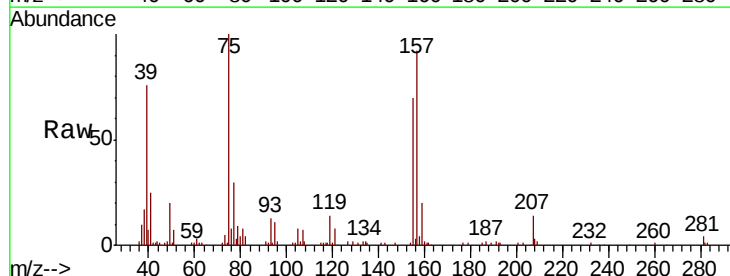
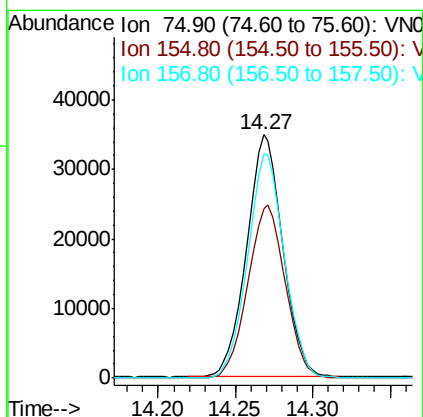
Manual Integrations
 APPROVED

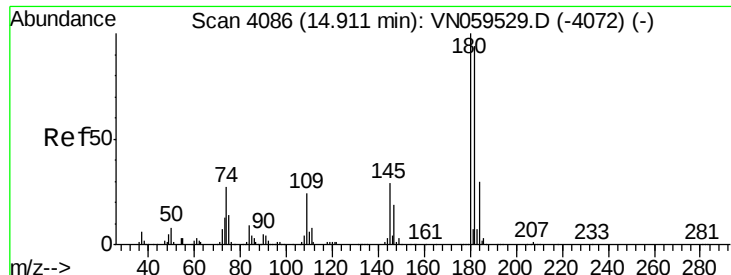
apatel
 12/13/2019 2:16:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.643 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	40.4	121.1
157	94.0	51.1	153.3





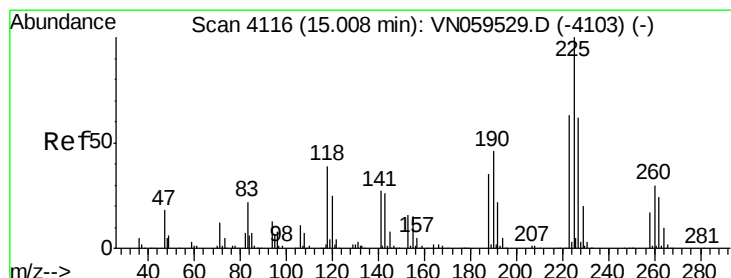
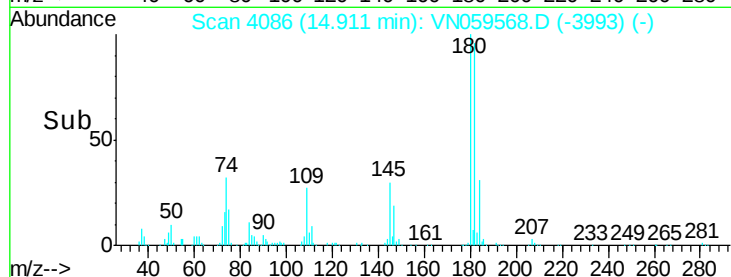
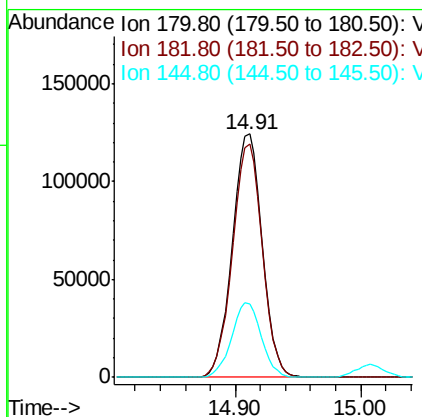
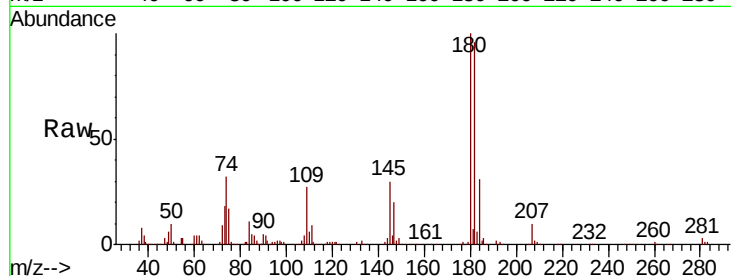
#93
 1,2,4-Trichlorobenzene
 Concen: 48.864 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.3	142.0	
145	30.5	14.9	44.7	

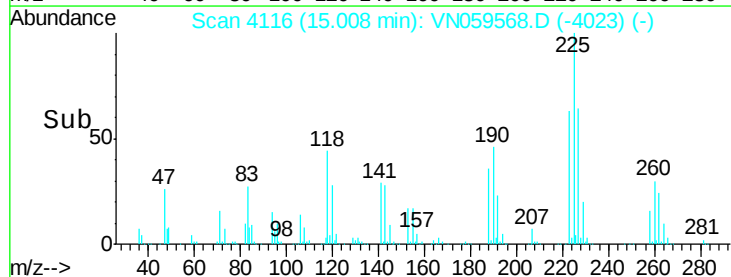
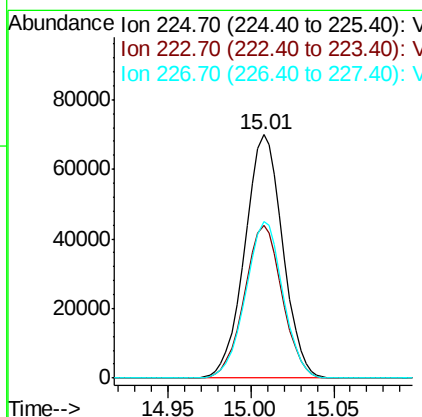
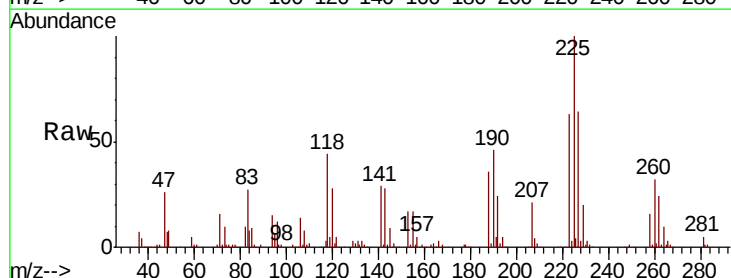
Manual Integrations
 APPROVED

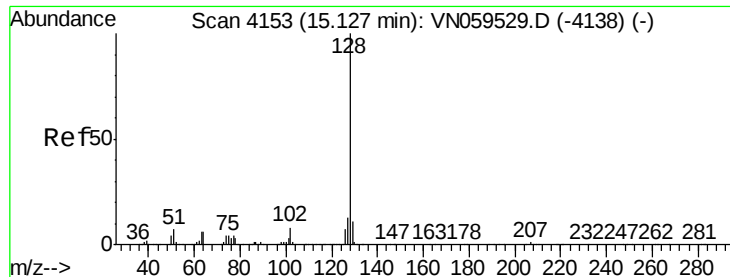
apatel
 12/13/2019 2:16:59 PM



#94
 Hexachlorobutadiene
 Concen: 51.530 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.3	93.9	
227	63.4	31.6	95.0	





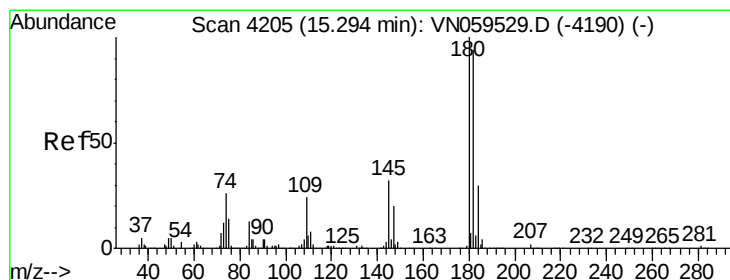
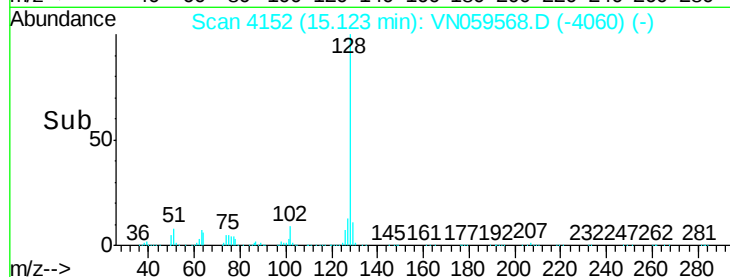
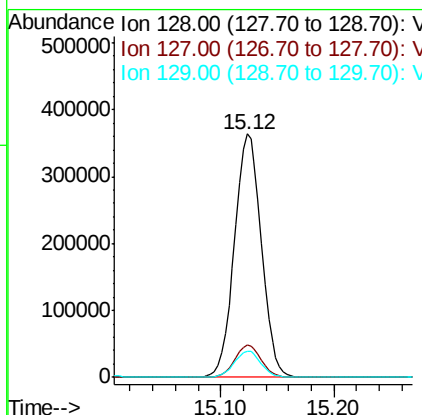
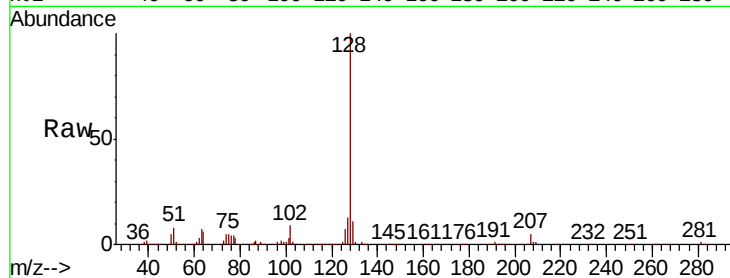
#95
Naphthalene
Concen: 48.881 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

apatel
12/13/2019 2:16:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.829 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.4
145	32.5	15.8	47.4

