

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016812.D
 Acq On : 11 Jun 2020 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 01:17:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 13:32:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	341833	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	173097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	104159	43.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.36%
7) Chloroethane-d5	1.56	69	72840	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.66%
11) 1,1-Dichloroethene-d2	2.12	63	185752	45.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.72%
21) 2-Butanone-d5	3.89	46	173082	96.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.95%
24) Chloroform-d	4.37	84	232822	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
26) 1,2-Dichloroethane-d4	5.05	65	161168	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
32) Benzene-d6	5.07	84	431163	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.58%
36) 1,2-Dichloropropane-d6	6.09	67	136341	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.90%
41) Toluene-d8	7.33	98	403598	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.64	79	68373	44.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.48%
47) 2-Hexanone-d5	8.11	63	117273	90.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.65%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	190599	48.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	173971	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	127088	46.894	ug/L 99
3) Chloromethane	1.25	50	123415	49.797	ug/L 100
5) Vinyl chloride	1.32	62	105526	43.298	ug/L 98
6) Bromomethane	1.51	94	55905	55.075	ug/L 97
8) Chloroethane	1.58	64	60095	49.917	ug/L 99
9) Trichlorofluoromethane	1.76	101	169627	46.509	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	81130	44.640	ug/L 98
12) 1,1-Dichloroethene	2.13	96	76385	45.022	ug/L 92
13) Acetone	2.17	43	97635	83.005	ug/L 100
14) Carbon disulfide	2.30	76	267794	43.595	ug/L 99
15) Methyl Acetate	2.44	43	130143	49.640	ug/L 98
16) Methylene chloride	2.52	84	121218	48.690	ug/L 98
17) trans-1,2-Dichloroethene	2.77	96	105837	45.752	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	392478	51.204	ug/L 99
19) 1,1-Dichloroethane	3.21	63	209583	48.133	ug/L 99
22) 2-Butanone	3.98	43	178050	98.160	ug/L 100
23) Bromochloromethane	4.27	128	65628	49.401	ug/L 96

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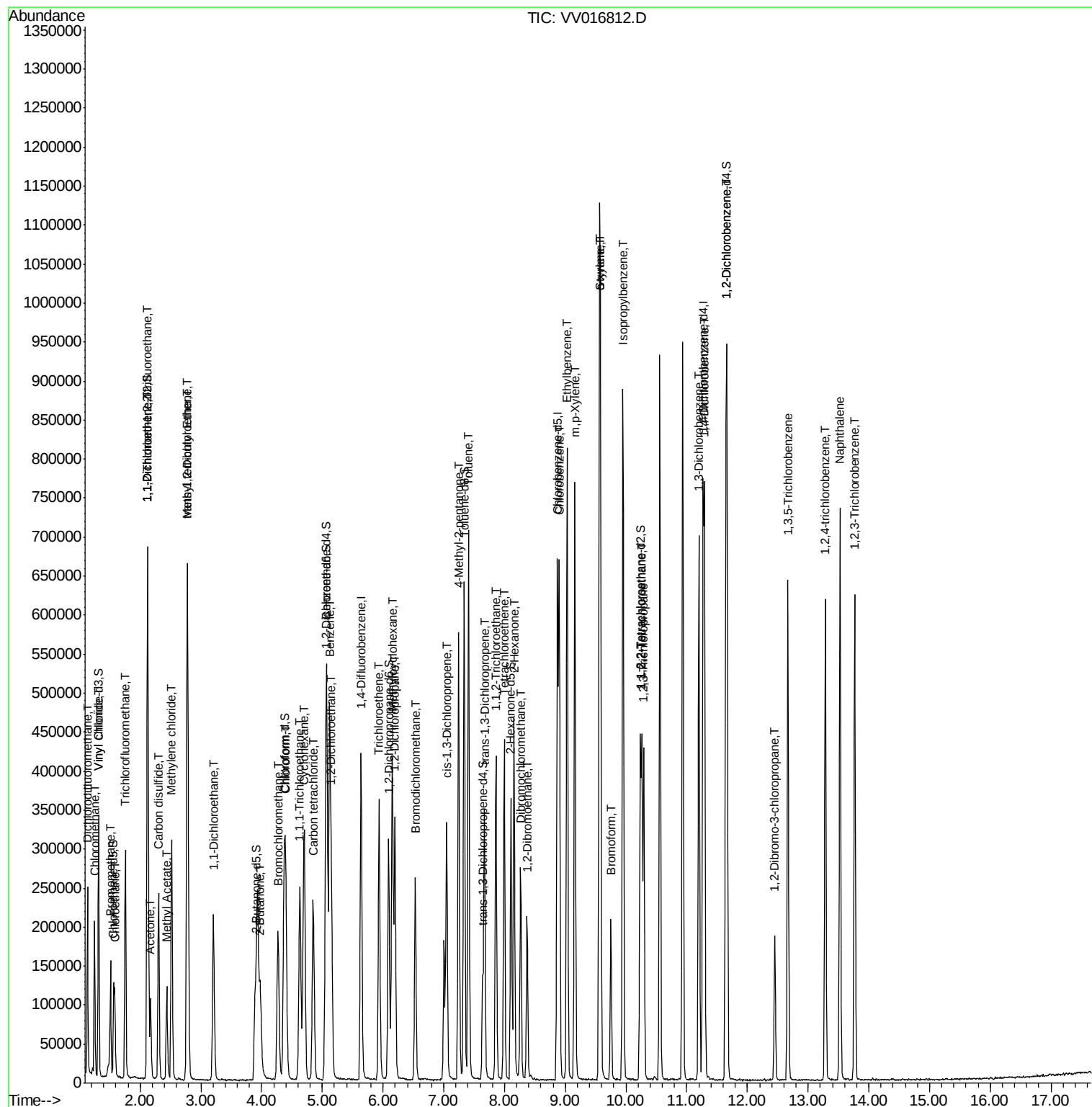
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	221159	49.422	ug/L	97
27) 1,2-Dichloroethane	5.15	62	195434	52.098	ug/L	98
29) Cyclohexane	4.70	56	172061	41.928	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	195060	46.316	ug/L	99
31) Carbon tetrachloride	4.85	117	169476	46.516	ug/L	99
33) Benzene	5.12	78	452379	46.299	ug/L	100
34) Trichloroethene	5.94	95	122022	46.564	ug/L	98
35) Methylcyclohexane	6.15	83	169370	41.199	ug/L	99
37) 1,2-Dichloropropane	6.19	63	122242	48.108	ug/L	100
38) Bromodichloromethane	6.53	83	166642	49.265	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	177807	45.048	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	361232	100.324	ug/L	98
42) Toluene	7.41	91	488298	47.406	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	176007	45.868	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	117974	48.123	ug/L	99
46) Tetrachloroethene	8.00	164	92828	45.041	ug/L	97
48) 2-Hexanone	8.16	43	281383	100.789	ug/L	99
49) Dibromochloromethane	8.27	129	131601	50.207	ug/L	99
50) 1,2-Dibromoethane	8.37	107	130168	50.704	ug/L	99
51) Chlorobenzene	8.90	112	321132	47.786	ug/L	100
52) Ethylbenzene	9.03	91	542561	47.556	ug/L	98
53) m,p-Xylene	9.16	106	206615	48.639	ug/L	99
54) o-xylene	9.56	106	209015	49.890	ug/L	97
55) Styrene	9.58	104	355947	50.252	ug/L	98
56) Isopropylbenzene	9.95	105	542310	48.175	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	188289	50.094	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	160980	51.061	ug/L	99
61) Bromoform	9.75	173	86993	48.860	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	266748	48.654	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	268209	48.081	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	273763	49.827	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	43104	49.893	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	187135	45.774	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	174977	46.662	ug/L	99
69) Naphthalene	13.53	128	544809	50.508	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	175773	47.906	ug/L	99

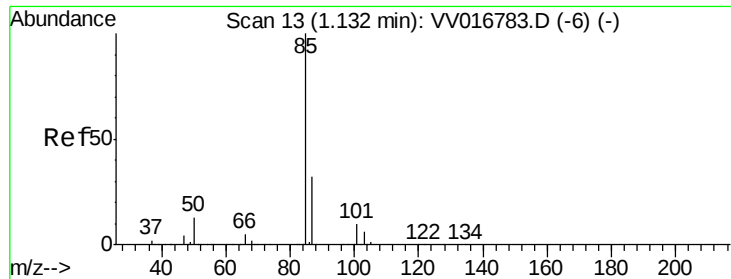
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#2

Dichlorodifluoromethane

Concen: 46.894 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

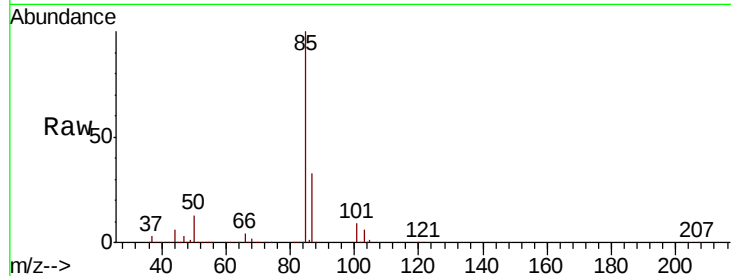
ClientSampled :

Tot Ion: 85 Resp: 127088

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

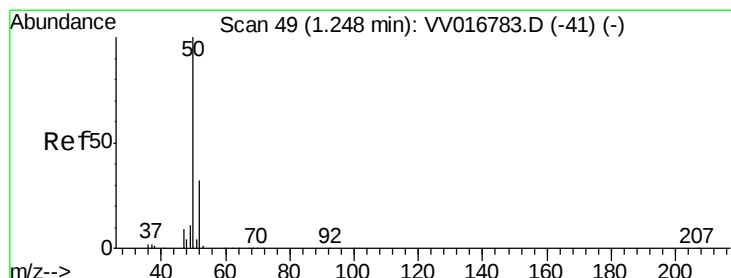
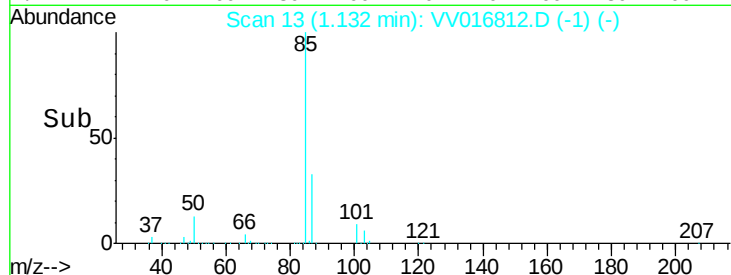
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.797 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016812.D

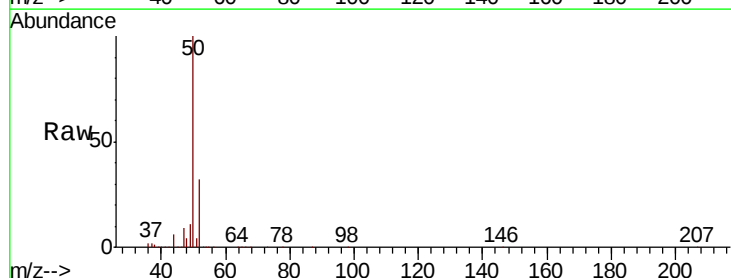
Acq: 11 Jun 2020 09:11

Tgt Ion: 50 Resp: 123415

Ion Ratio Lower Upper

50 100

52 31.9 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

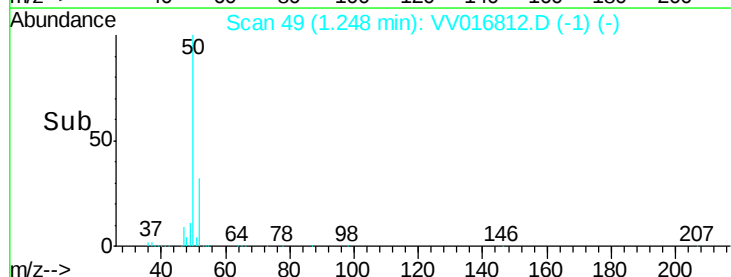
1.25

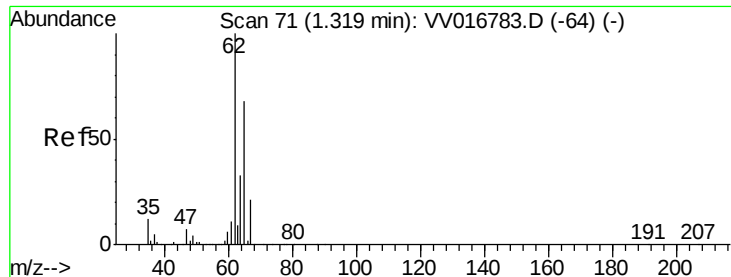
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 43.298 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

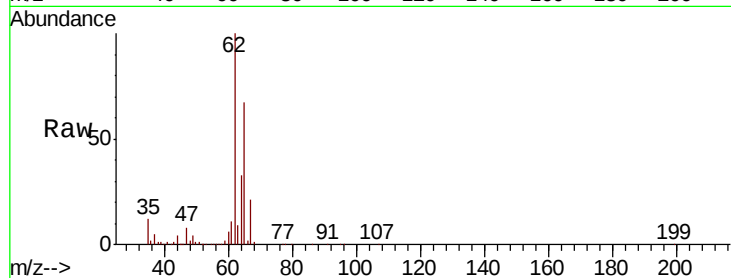
ClientSampleId :

Tot Ion: 62 Resp: 105526

Ion Ratio Lower Upper

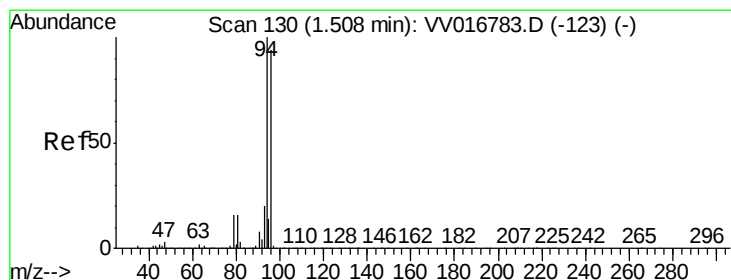
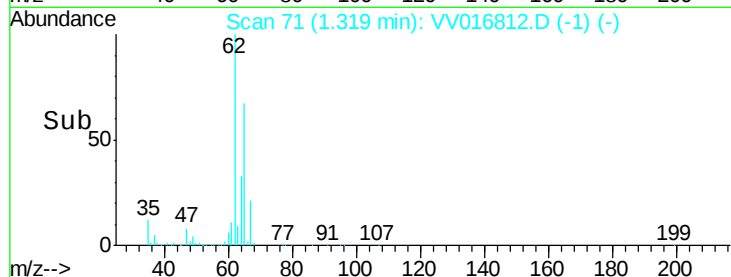
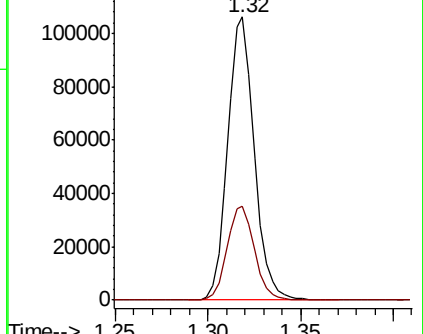
62 100

64 33.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 55.075 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV016812.D

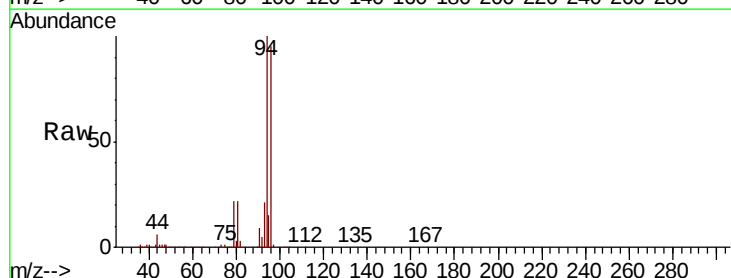
Acq: 11 Jun 2020 09:11

Tgt Ion: 94 Resp: 55905

Ion Ratio Lower Upper

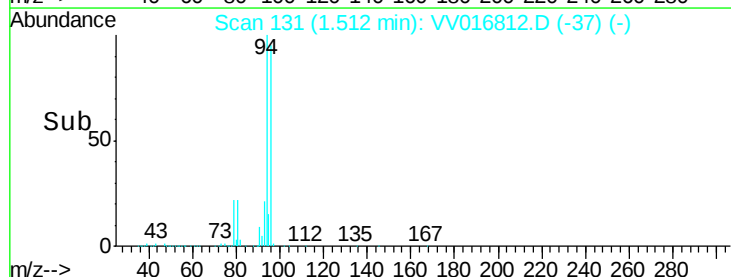
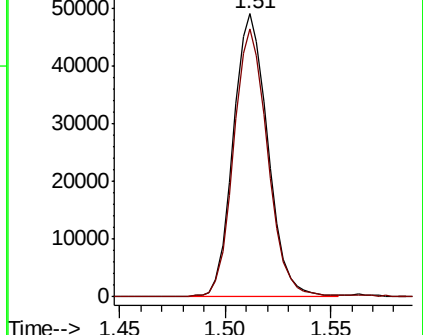
94 100

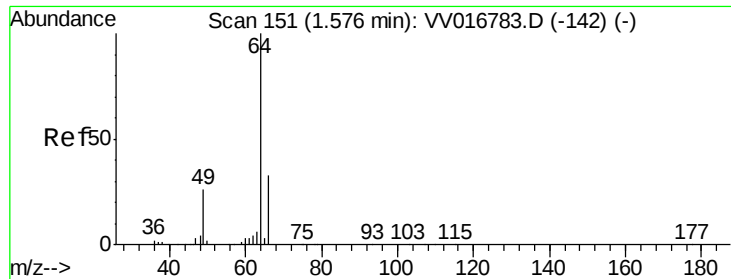
96 94.8 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

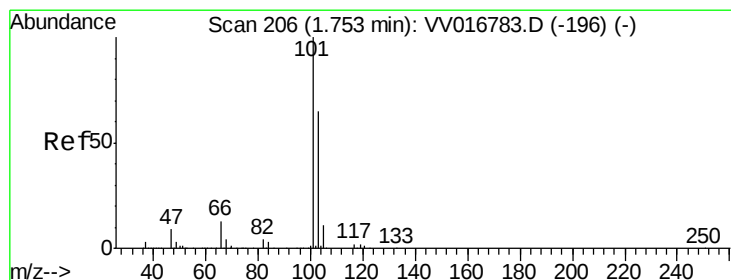
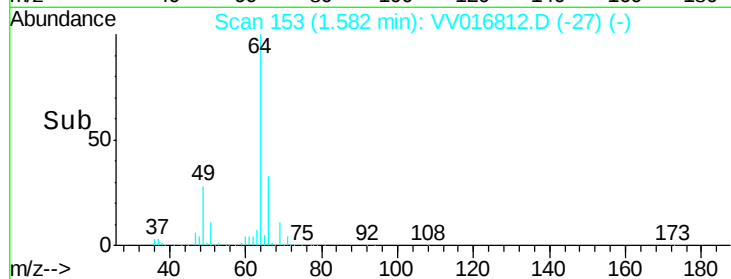
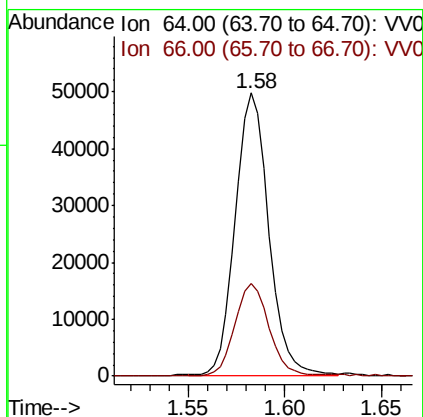
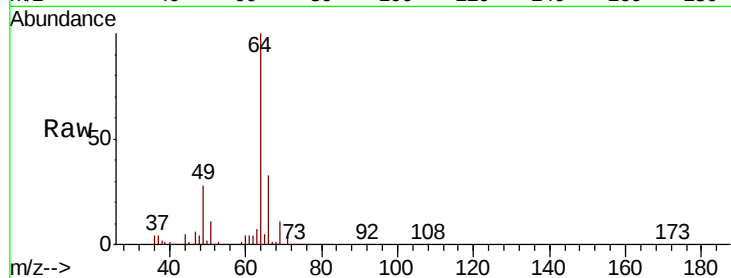




#8
 Chloroethane
 Concen: 49.917 ug/L
 RT: 1.58 min Scan# 153
 Delta R.T. 0.01 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

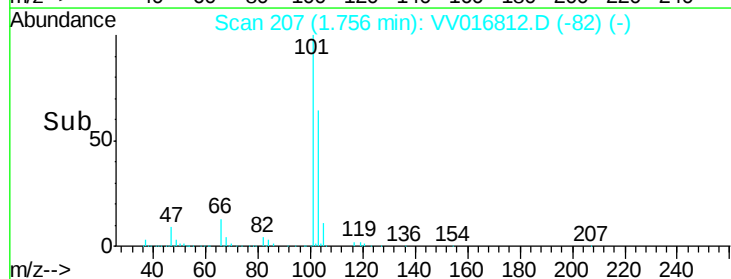
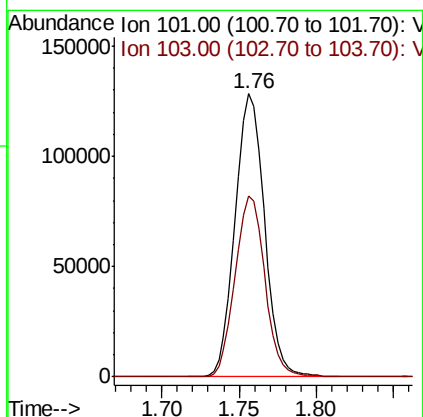
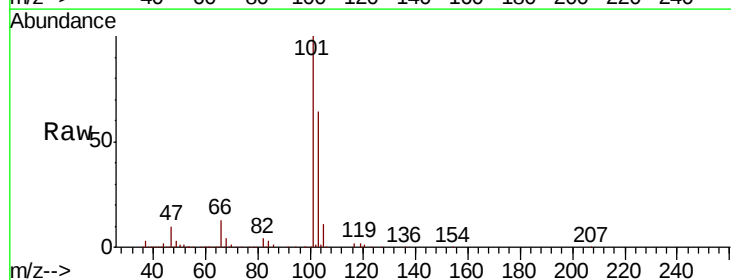
Instrument :
 MSVOA_V
 ClientSampled :

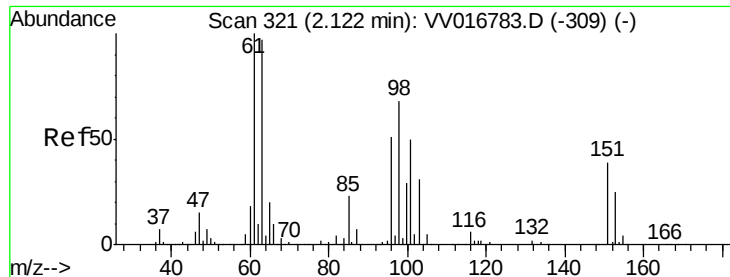
Tot Ion: 64 Resp: 60095
 Ion Ratio Lower Upper
 64 100
 66 32.7 23.2 43.0



#9
 Trichlorofluoromethane
 Concen: 46.509 ug/L
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

Tgt Ion:101 Resp: 169627
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 44.640 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

ClientSampleId :

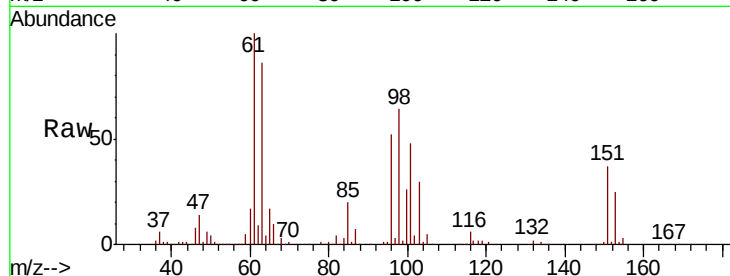
Tot Ion:101 Resp: 81130

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

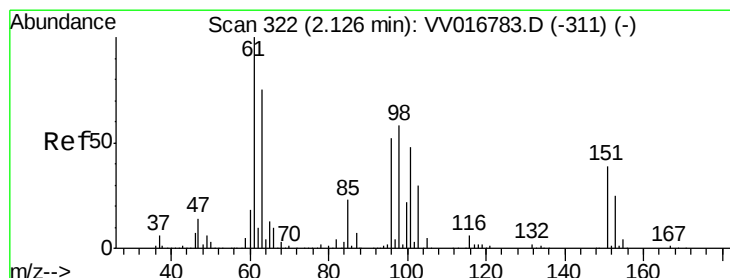
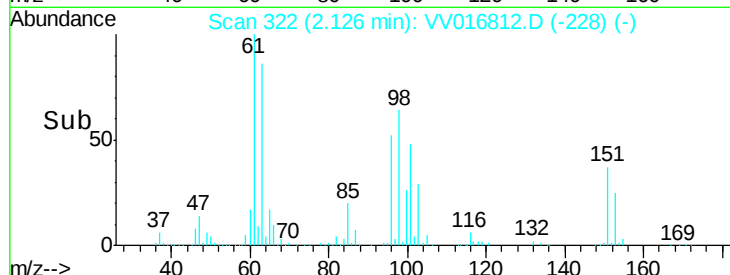
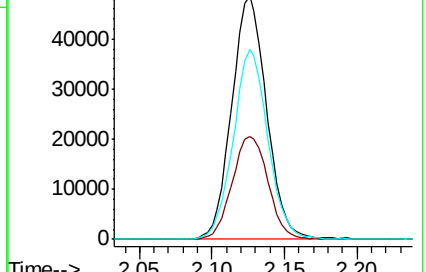
151 77.5 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016812.D (-228) (-)

Ion 85.00 (84.70 to 85.70): VV016812.D (-228) (-)

Ion 151.00 (150.70 to 151.70): VV016812.D (-228) (-)



#12

1,1-Dichloroethene

Concen: 45.022 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

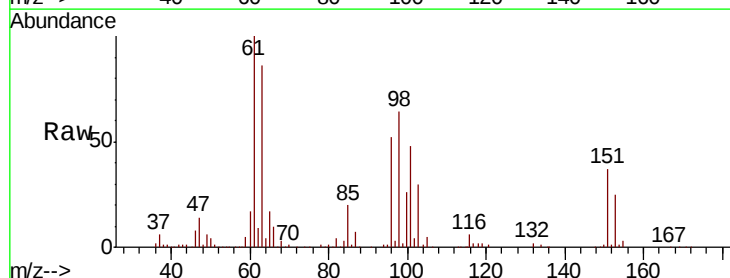
Tgt Ion: 96 Resp: 76385

Ion Ratio Lower Upper

96 100

61 191.5 130.4 242.2

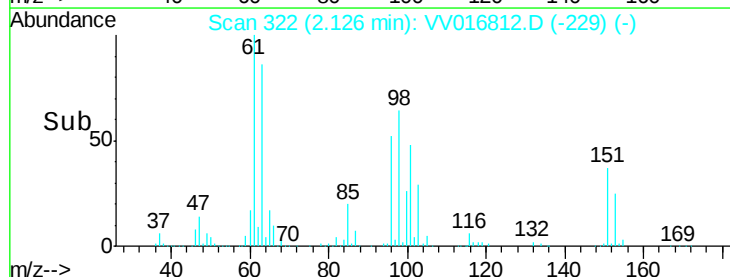
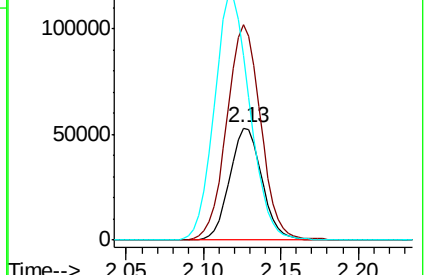
63 164.3 103.3 191.9

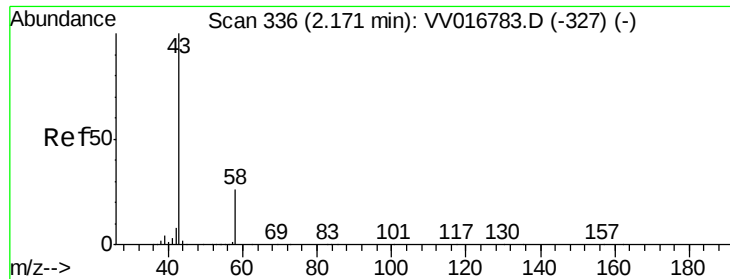


Abundance Ion 96.00 (95.70 to 96.70): VV016812.D (-229) (-)

Ion 61.00 (60.70 to 61.70): VV016812.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV016812.D (-229) (-)





#13

Acetone

Concen: 83.005 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

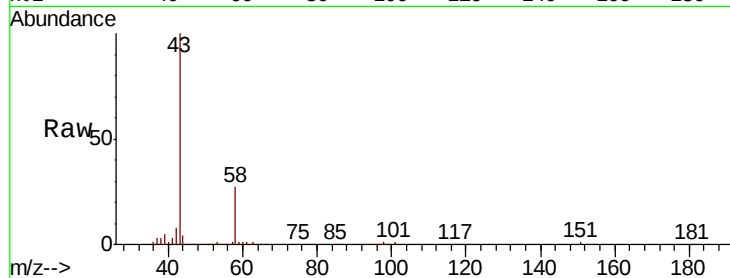
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 97635

Ion Ratio Lower Upper

43 100

58 27.5 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016812.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV016812.D (-243) (-)

2.17

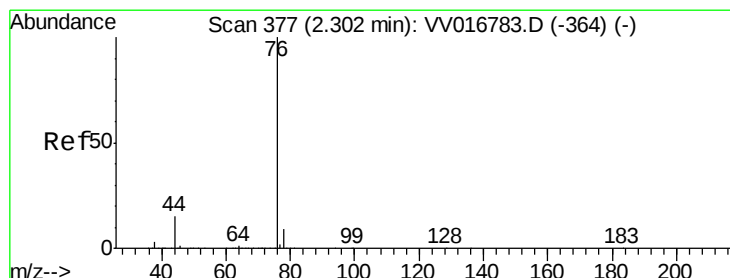
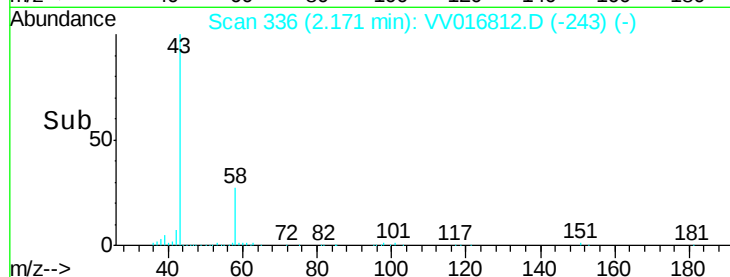
60000

40000

20000

0

Time--> 2.10 2.15 2.20



#14

Carbon disulfide

Concen: 43.595 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV016812.D

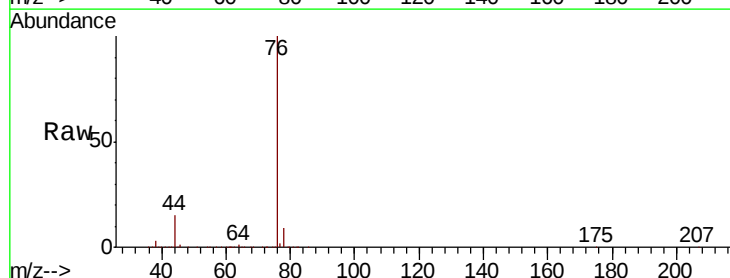
Acq: 11 Jun 2020 09:11

Tgt Ion: 76 Resp: 267794

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016812.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV016812.D (-284) (-)

2.30

200000

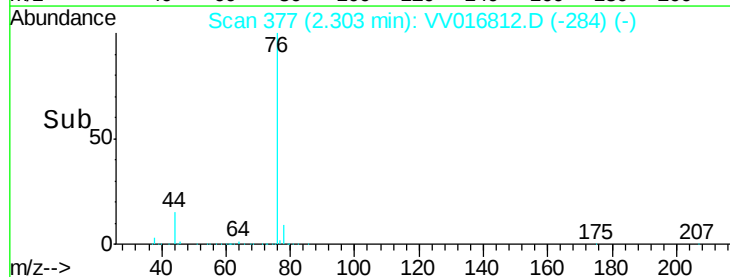
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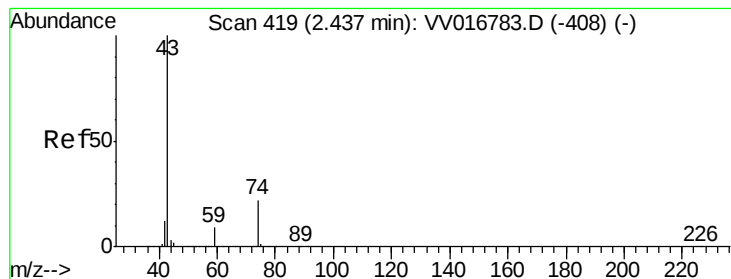
100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 49.640 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

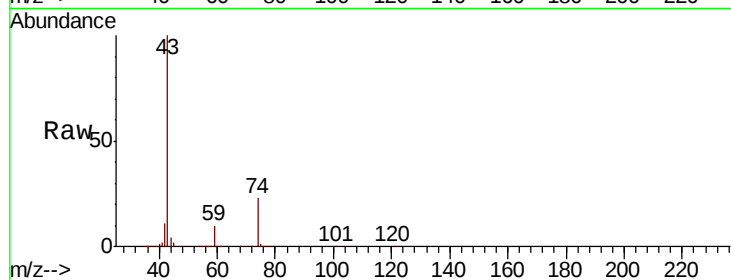
ClientSampleId :

Tot Ion: 43 Resp: 130143

Ion Ratio Lower Upper

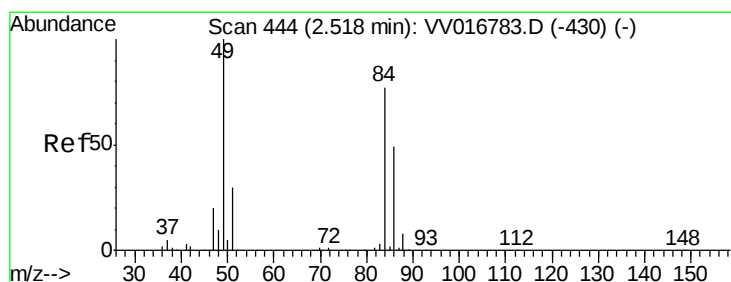
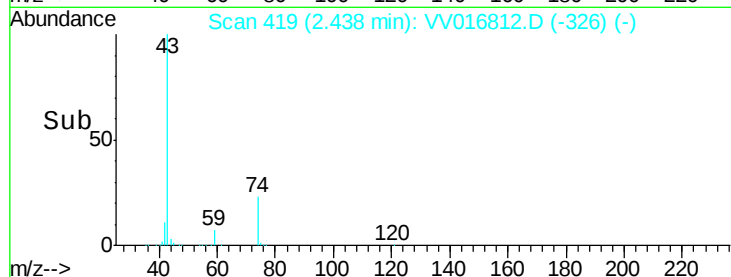
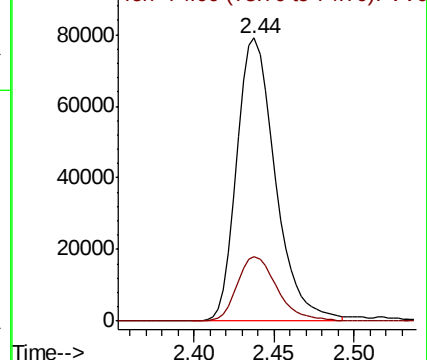
43 100

74 23.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.690 ug/L

RT: 2.52 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

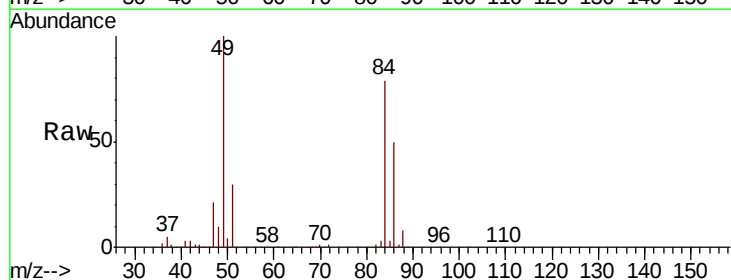
Tgt Ion: 84 Resp: 121218

Ion Ratio Lower Upper

84 100

86 63.3 44.0 81.8

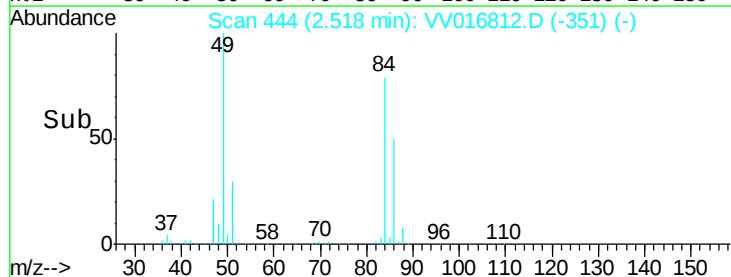
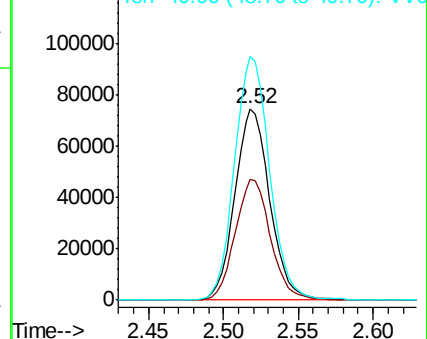
49 127.3 90.9 168.9

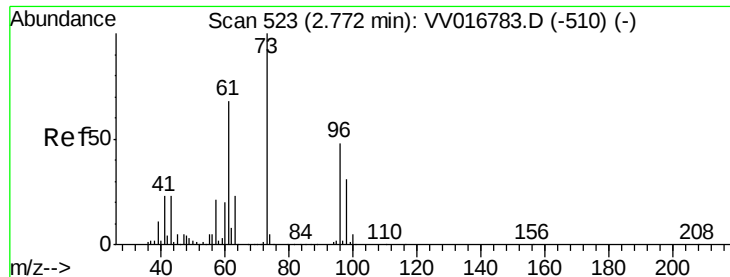


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.752 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampled :

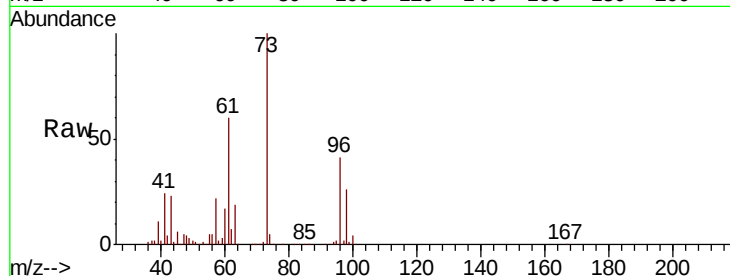
Tot Ion: 96 Resp: 105837

Ion Ratio Lower Upper

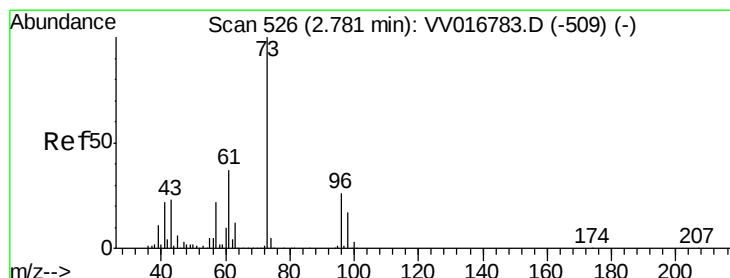
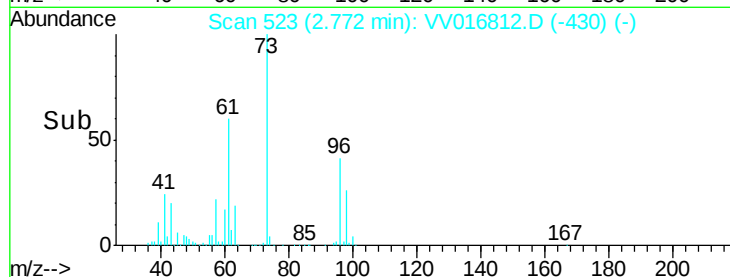
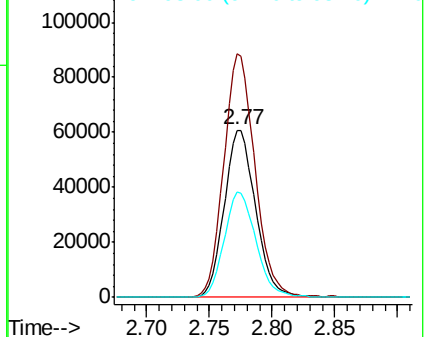
96 100

61 145.5 102.9 191.1

98 62.6 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.204 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

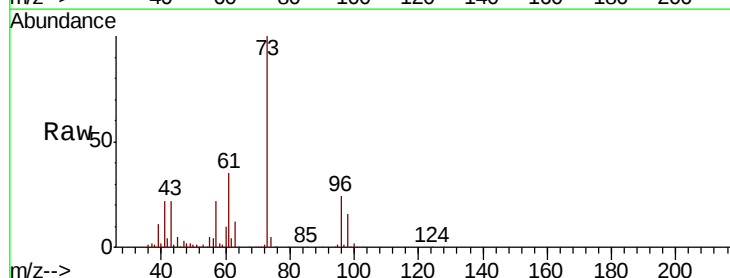
Tgt Ion: 73 Resp: 392478

Ion Ratio Lower Upper

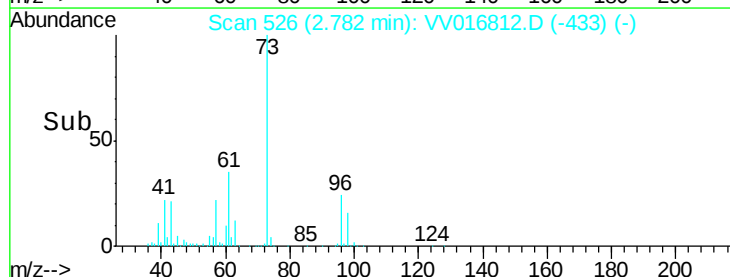
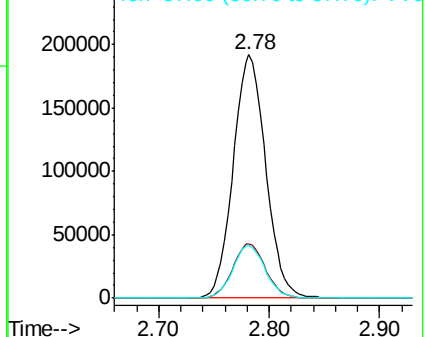
73 100

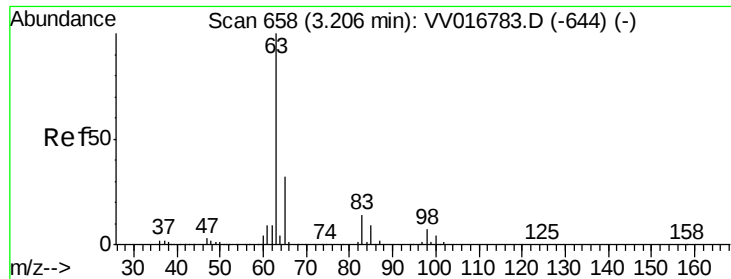
43 22.3 17.8 26.6

57 21.6 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

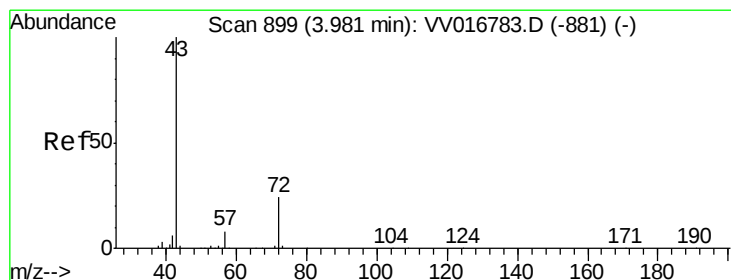
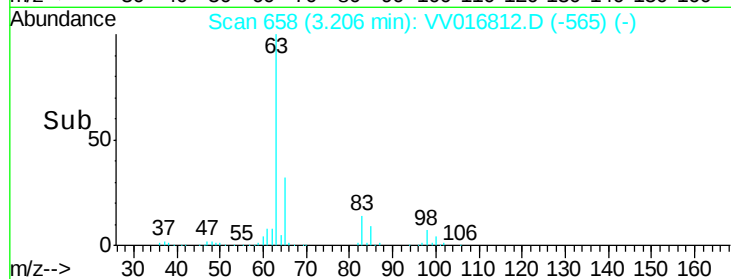
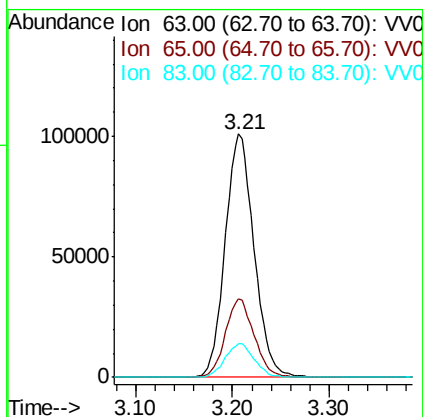
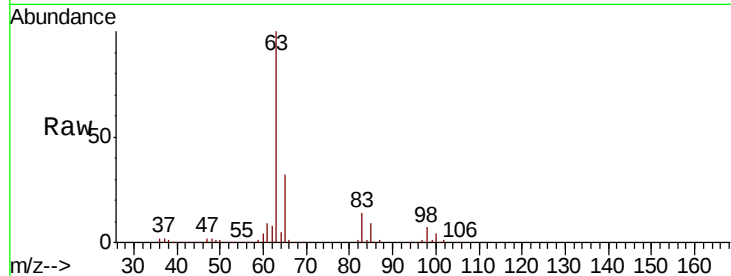




#19
 1,1-Dichloroethane
 Concen: 48.133 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

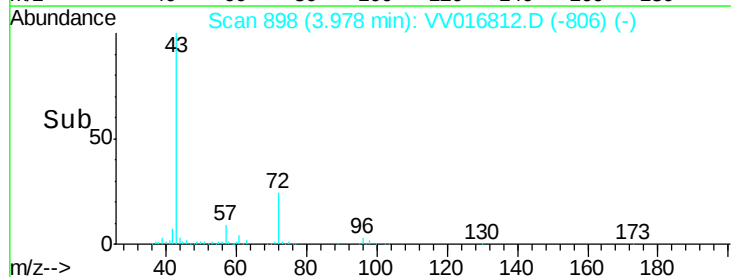
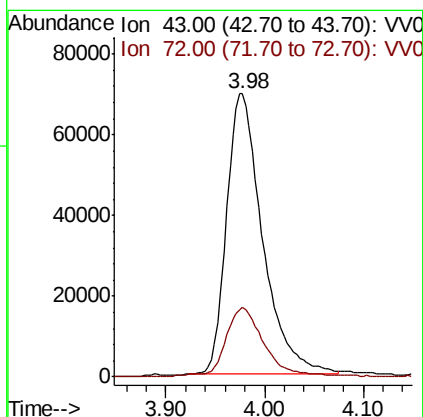
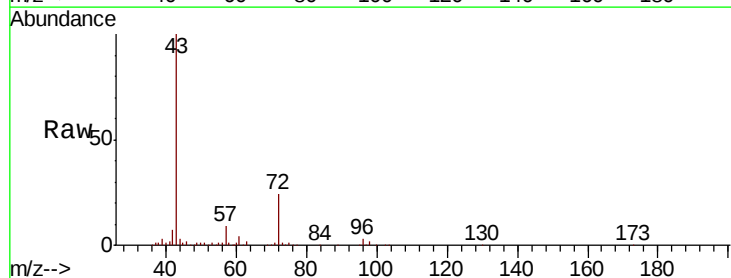
Instrument :
 MSVOA_V
 ClientSampled :

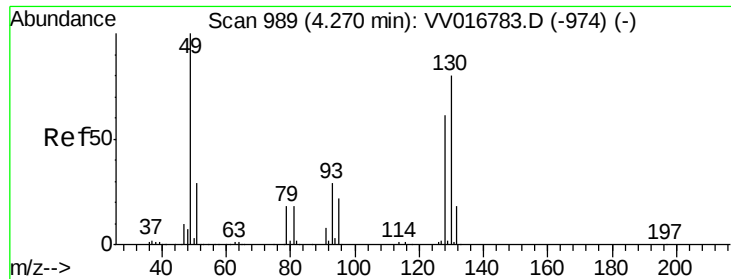
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.2	43.0
83	14.0	10.0	18.6



#22
 2-Butanone
 Concen: 98.160 ug/L
 RT: 3.98 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.9	12.4	37.4

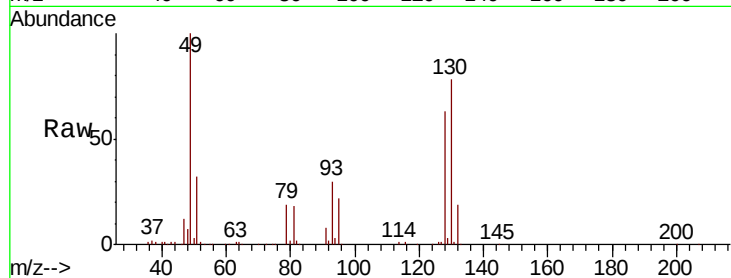




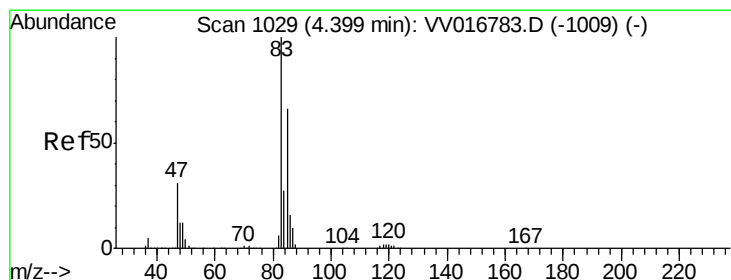
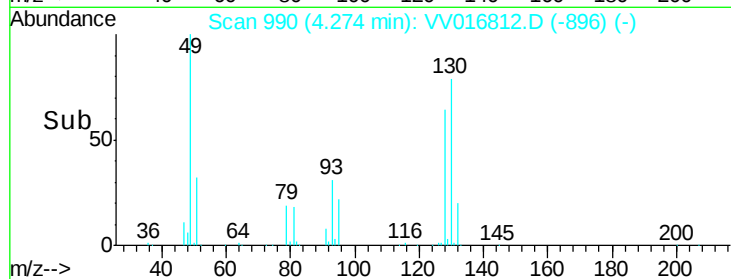
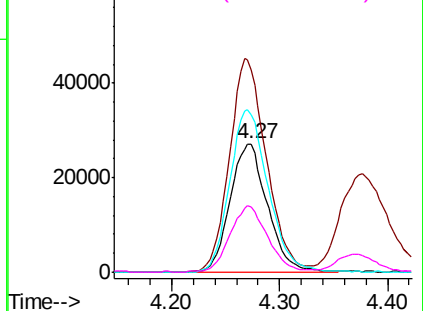
#23
Bromochloromethane
Concen: 49.401 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 65628
Ion Ratio Lower Upper
128 100
49 157.8 111.9 207.9
130 122.9 91.5 169.9
51 51.1 42.1 63.1

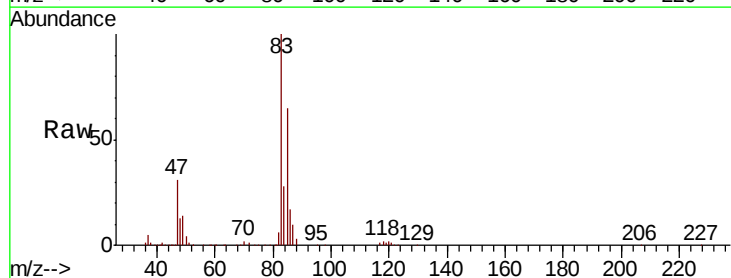


Abundance Ion 128.00 (127.70 to 128.70): VV016812.D (-896) (-)
Ion 49.00 (48.70 to 49.70): VV016812.D (-896) (-)
Ion 130.00 (129.70 to 130.70): VV016812.D (-896) (-)
Ion 51.00 (50.70 to 51.70): VV016812.D (-896) (-)

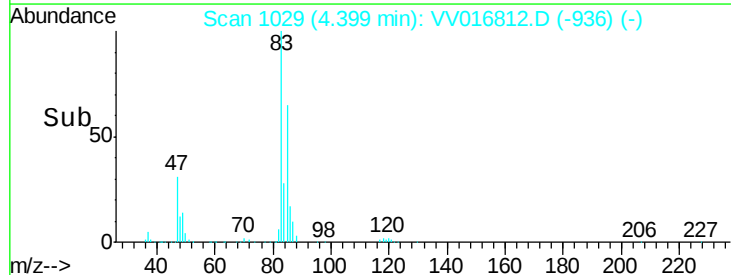
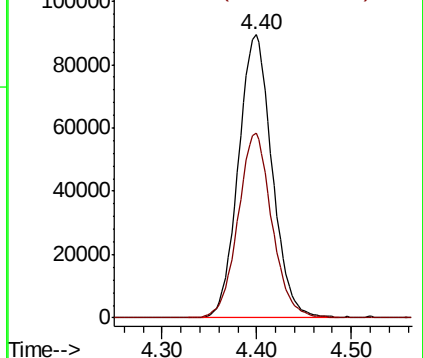


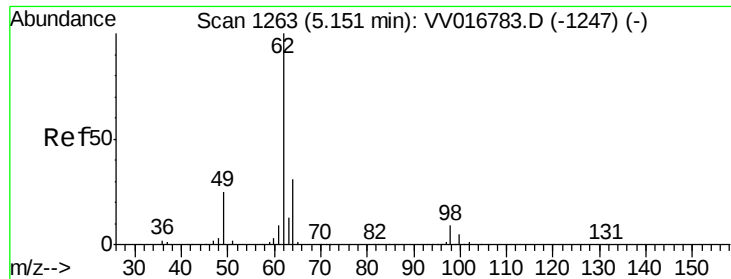
#25
Chloroform
Concen: 49.422 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Tgt Ion: 83 Resp: 221159
Ion Ratio Lower Upper
83 100
85 65.2 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV016812.D (-936) (-)
Ion 85.00 (84.70 to 85.70): VV016812.D (-936) (-)





#27

1,2-Dichloroethane

Concen: 52.098 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

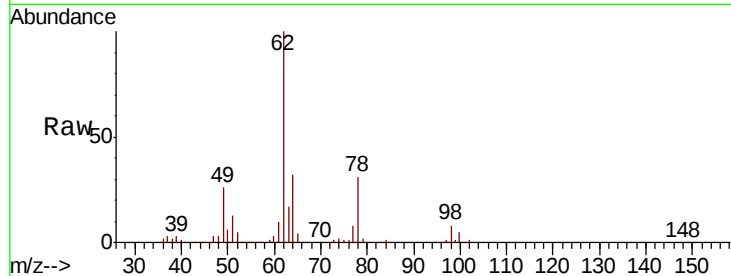
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 195434

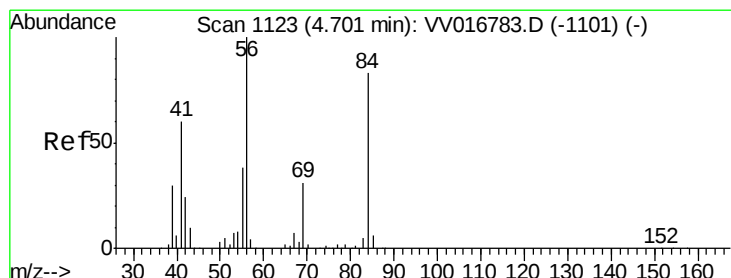
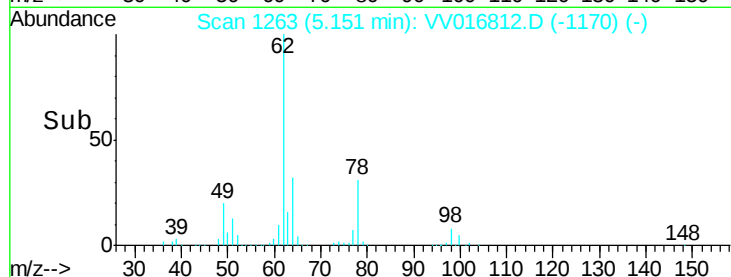
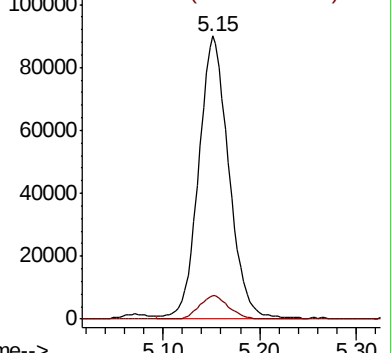
Ion Ratio Lower Upper

62 100

98 8.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 41.928 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

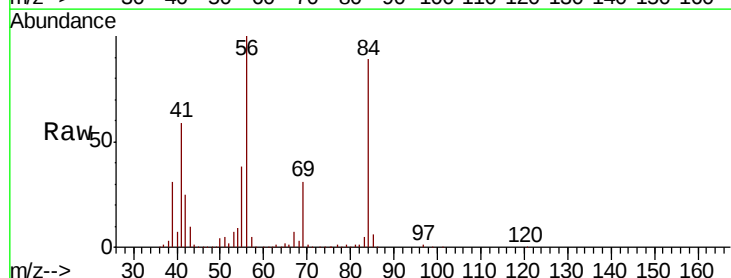
Tgt Ion: 56 Resp: 172061

Ion Ratio Lower Upper

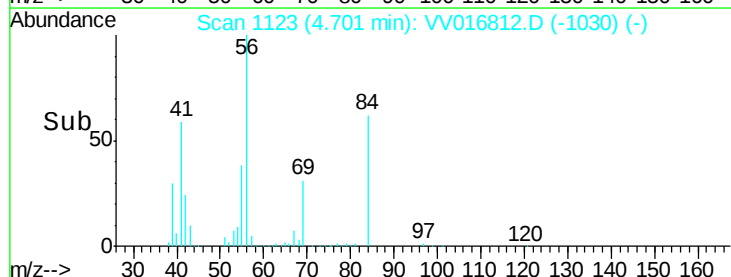
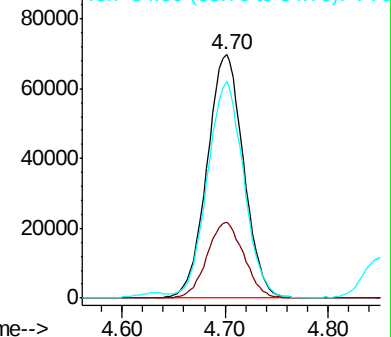
56 100

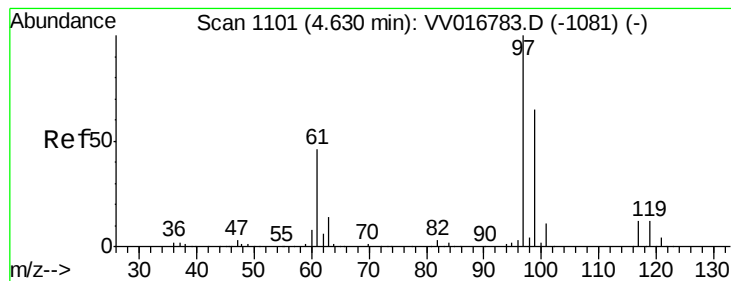
69 31.4 25.0 37.4

84 88.6 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0





#30

1,1,1-Trichloroethane

Concen: 46.316 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampleId :

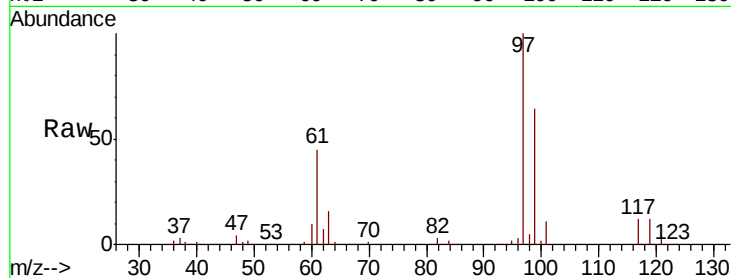
Tot Ion: 97 Resp: 195060

Ion Ratio Lower Upper

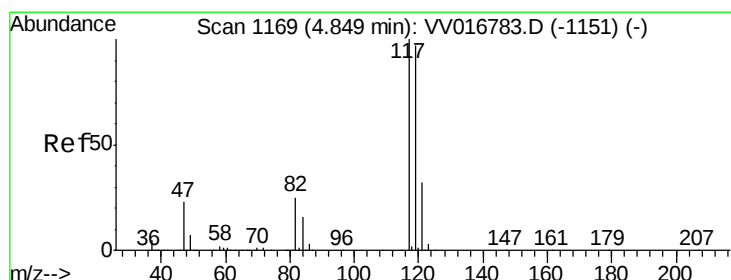
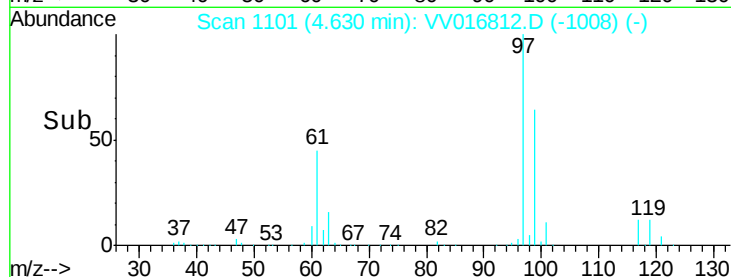
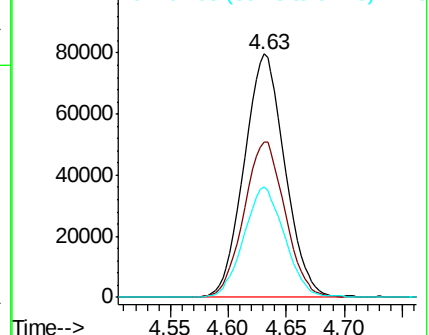
97 100

99 64.5 51.3 76.9

61 44.9 36.7 55.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



#31

Carbon tetrachloride

Concen: 46.516 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016812.D

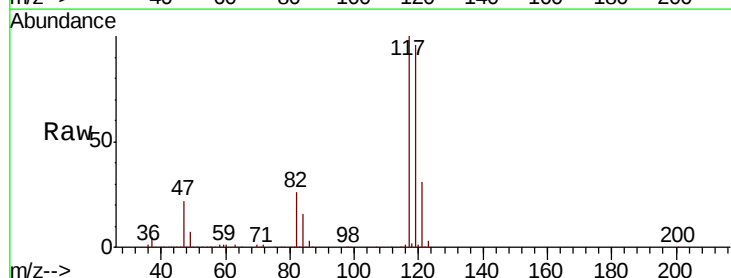
Acq: 11 Jun 2020 09:11

Tgt Ion: 117 Resp: 169476

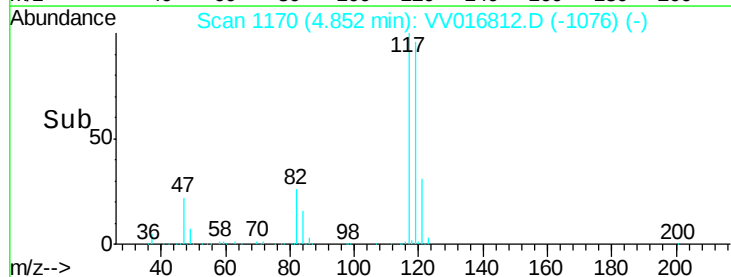
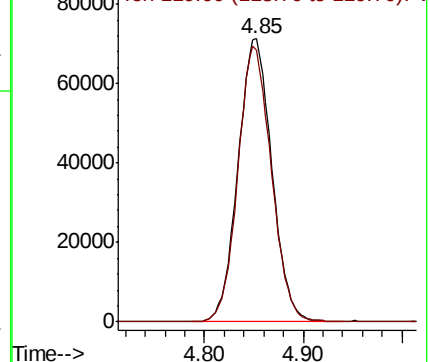
Ion Ratio Lower Upper

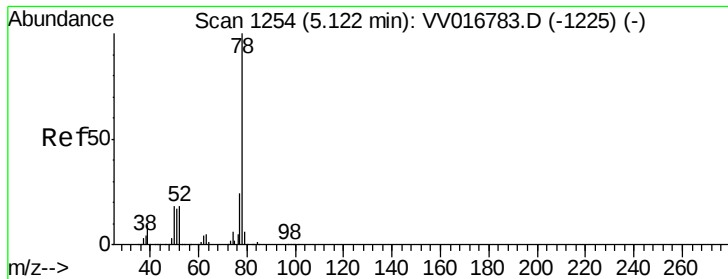
117 100

119 96.2 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 46.299 ug/L

RT: 5.12 min Scan# 1254

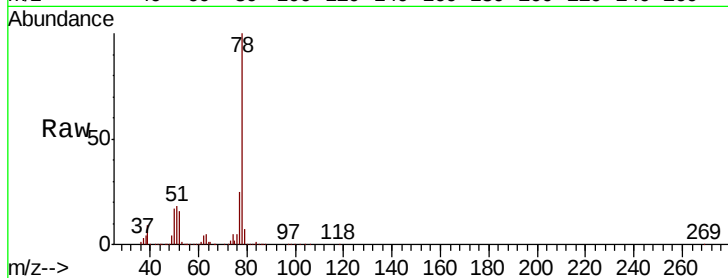
Delta R.T. 0.00 min

Lab File: VV016812.D

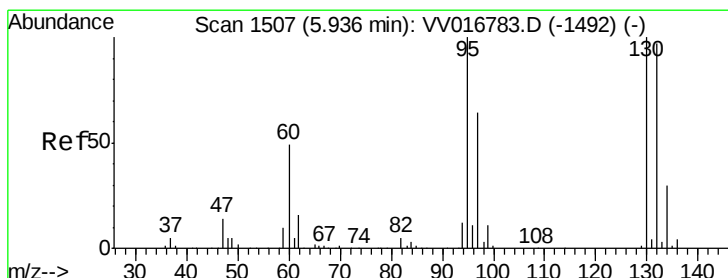
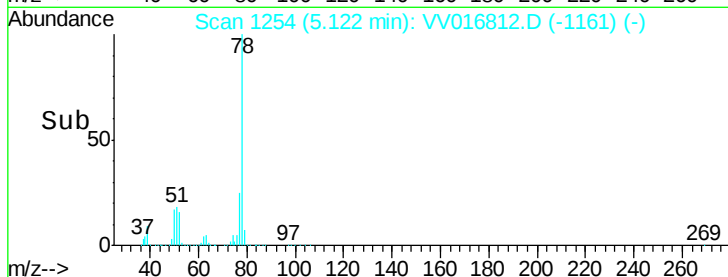
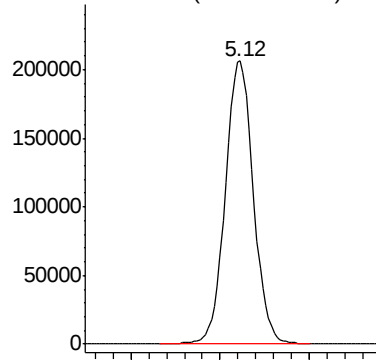
Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 452379



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 46.564 ug/L

RT: 5.94 min Scan# 1507

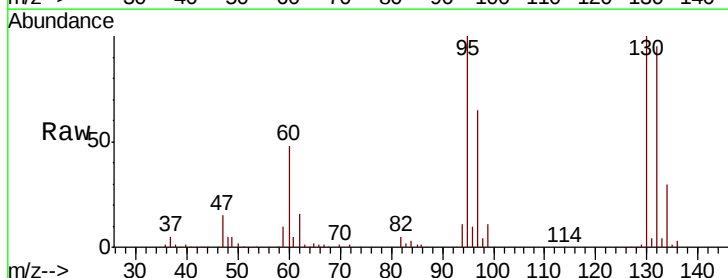
Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Tgt Ion: 95 Resp: 122022

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.3	82.3
132	95.2	67.9	126.1
130	100.0	72.2	134.2

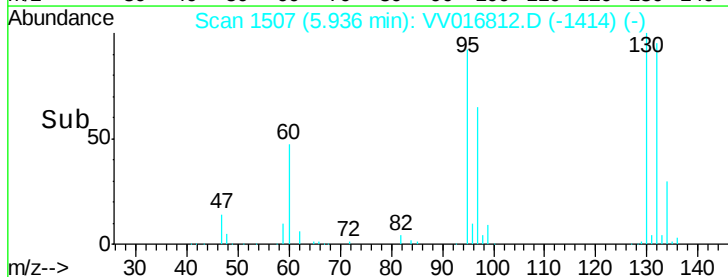
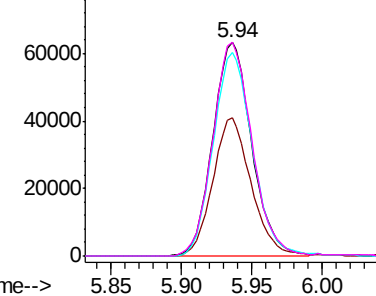


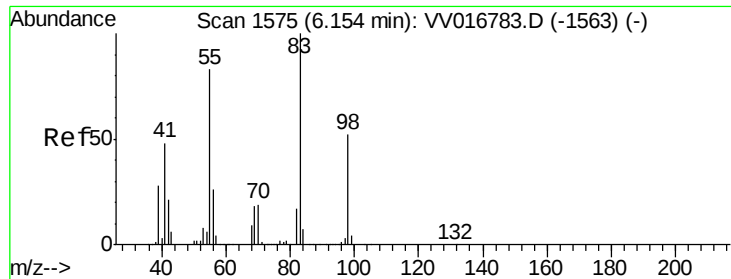
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

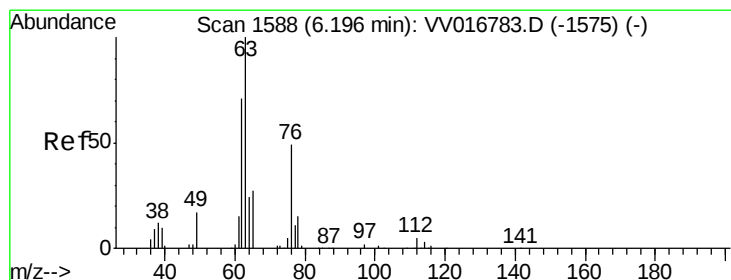
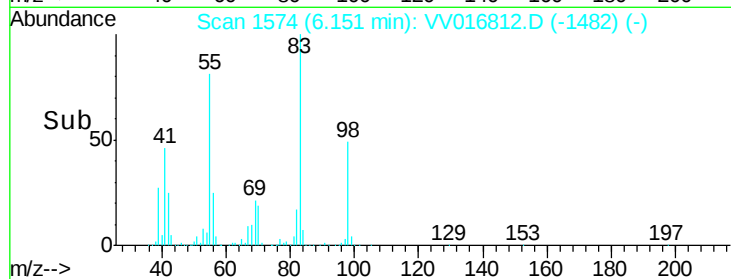
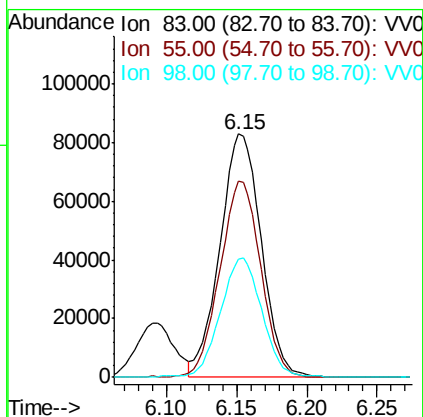
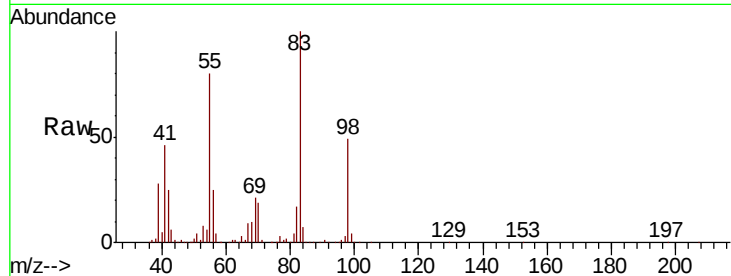




#35
Methvlcvclohexane
Concen: 41.199 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

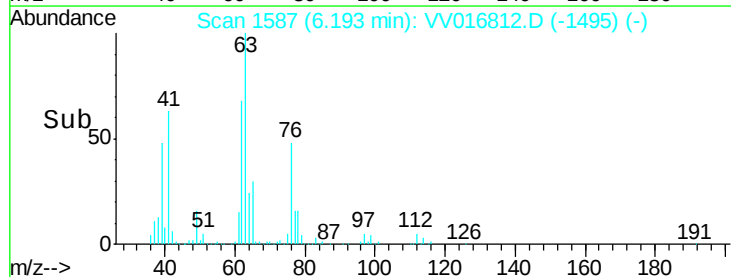
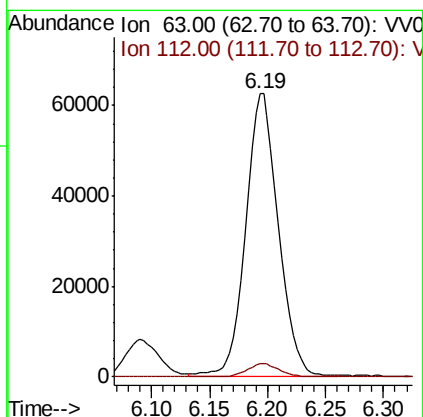
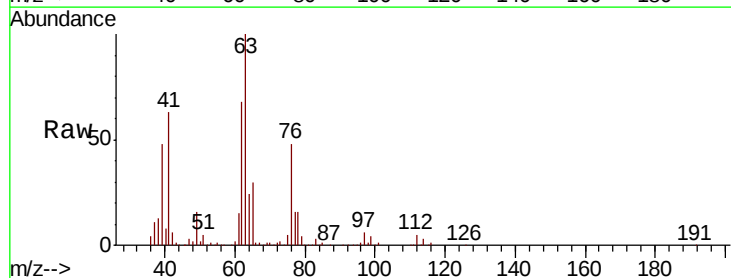
Instrument :
MSVOA_V
ClientSampleId :

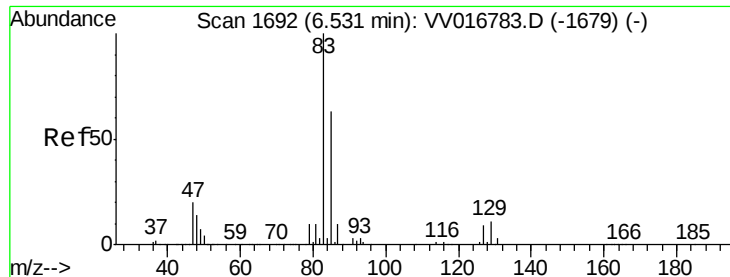
Tot Ion: 83 Resp: 169370
Ion Ratio Lower Upper
83 100
55 79.5 64.2 96.2
98 49.3 40.3 60.5



#37
1,2-Dichloropropane
Concen: 48.108 ug/L
RT: 6.19 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Tgt Ion: 63 Resp: 122242
Ion Ratio Lower Upper
63 100
112 4.7 3.8 5.6

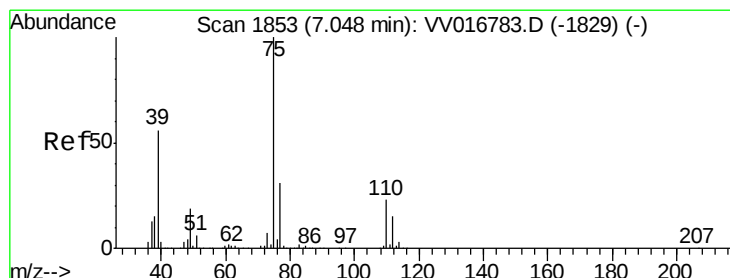
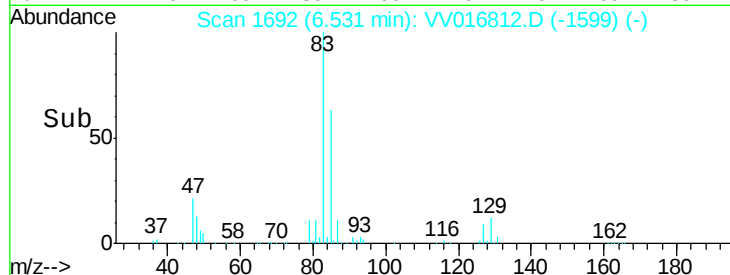
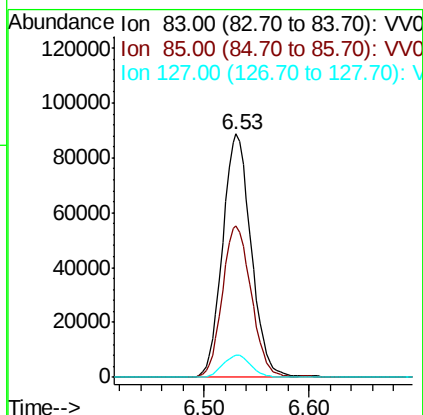
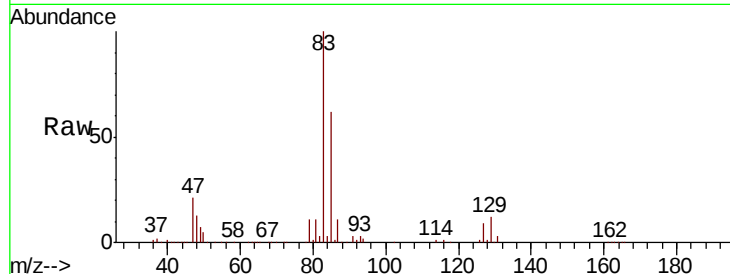




#38
 Bromodichloromethane
 Concen: 49.265 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

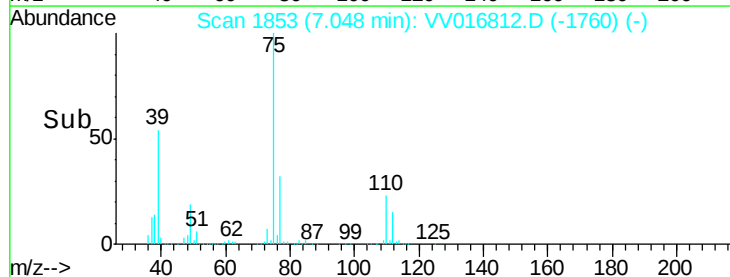
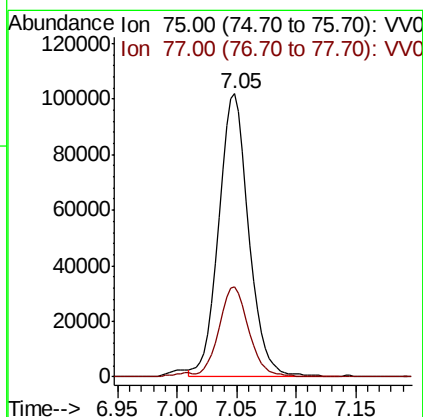
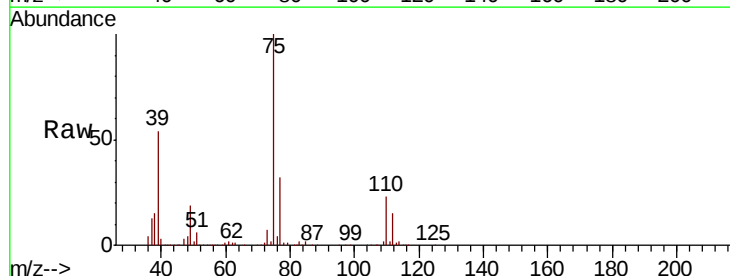
Instrument :
 MSVOA_V
 ClientSampleId :

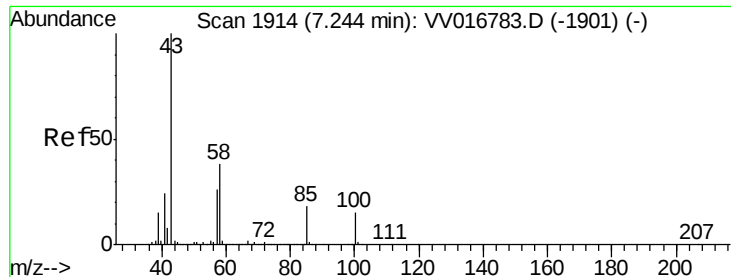
Tot Ion: 83 Resp: 166642
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.4 82.5
 127 9.1 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 45.048 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

Tgt Ion: 75 Resp: 177807
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1

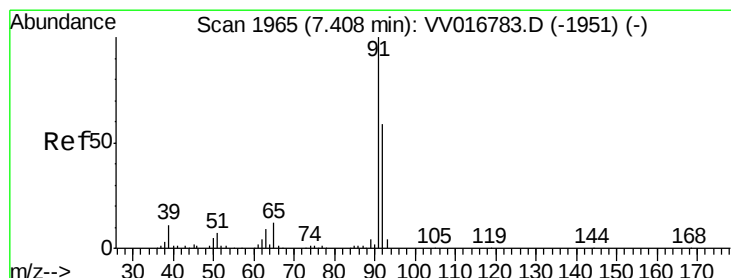
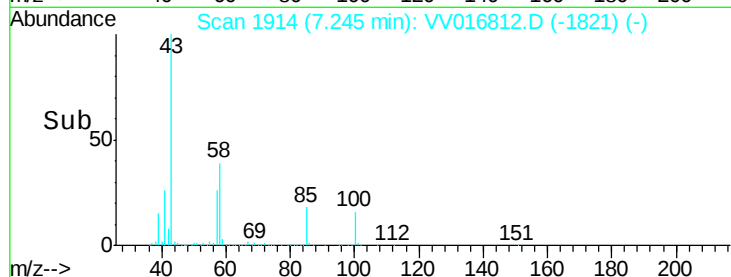
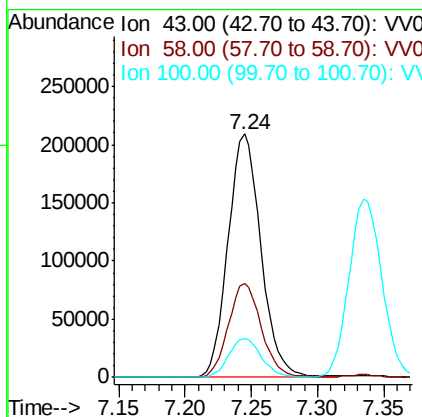
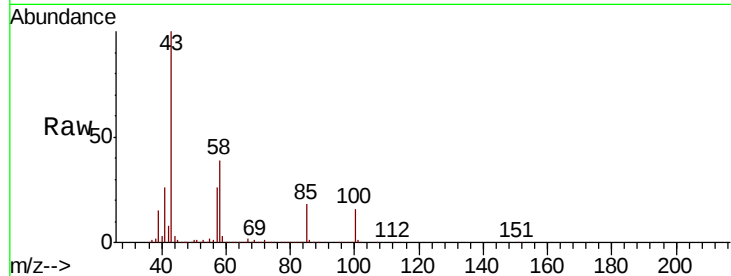




#40
4-Methyl-2-pentanone
Concen: 100.324 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

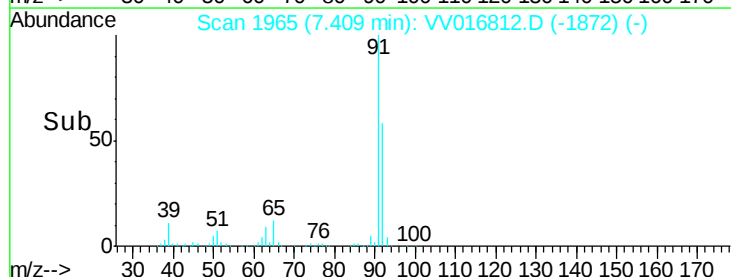
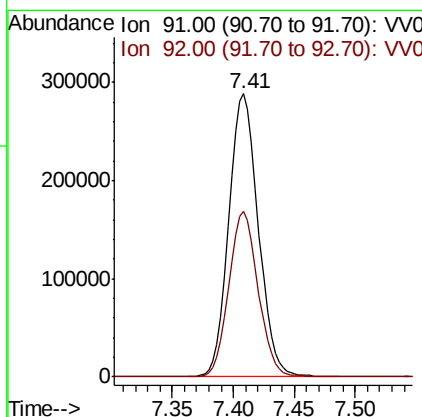
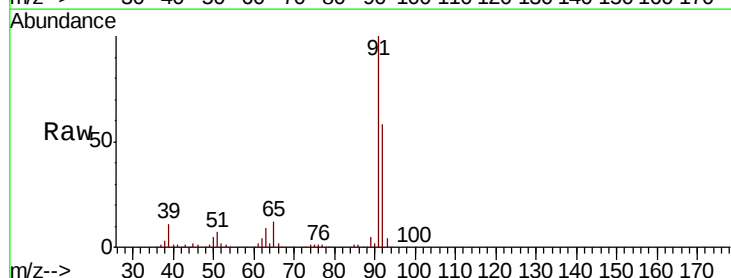
Instrument :
MSVOA_V
ClientSampled :

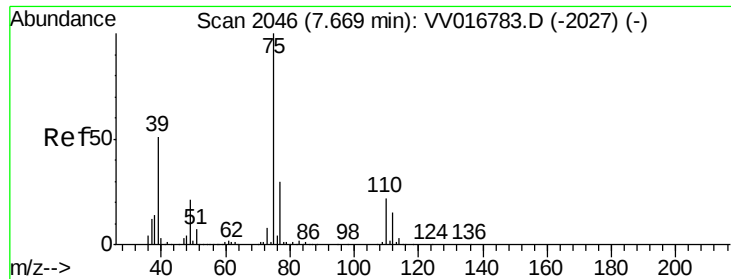
Tot Ion: 43 Resp: 361232
Ion Ratio Lower Upper
43 100
58 38.8 30.2 45.4
100 15.9 12.3 18.5



#42
Toluene
Concen: 47.406 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Tgt Ion: 91 Resp: 488298
Ion Ratio Lower Upper
91 100
92 58.4 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 45.868 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

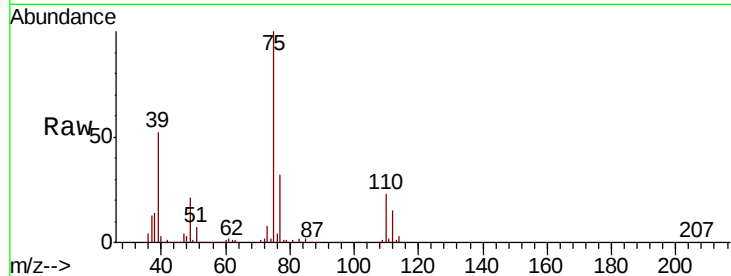
ClientSampleId :

Tot Ion: 75 Resp: 176007

Ion Ratio Lower Upper

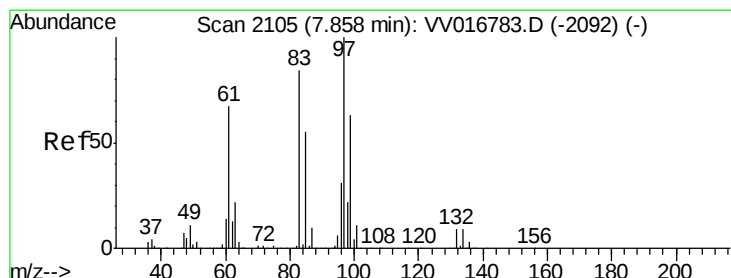
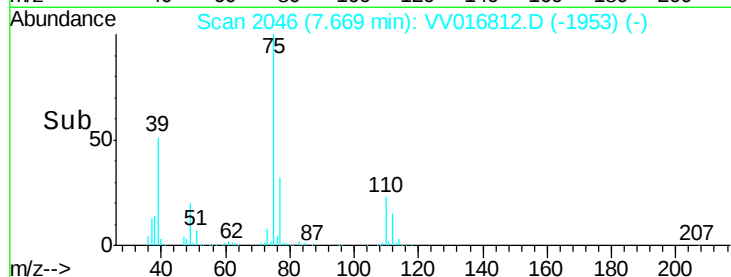
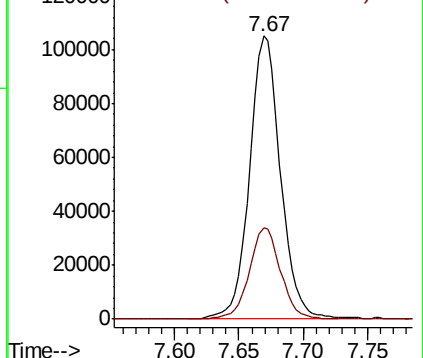
75 100

77 32.4 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 48.123 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Tgt Ion: 97 Resp: 117974

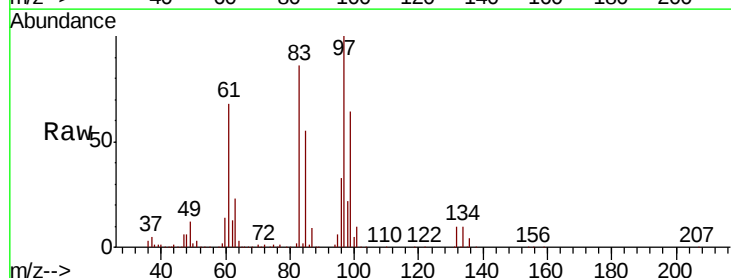
Ion Ratio Lower Upper

97 100

99 63.9 44.3 82.3

83 86.4 60.0 111.4

85 55.4 39.5 73.3

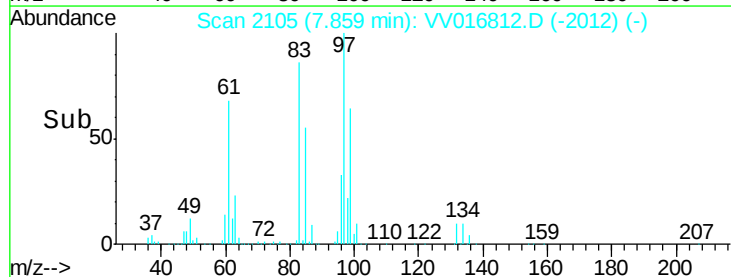
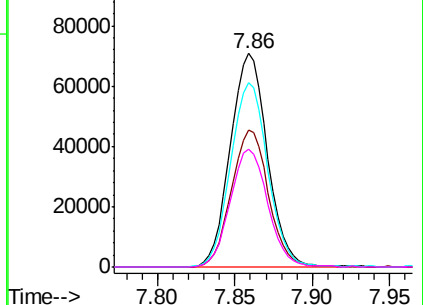


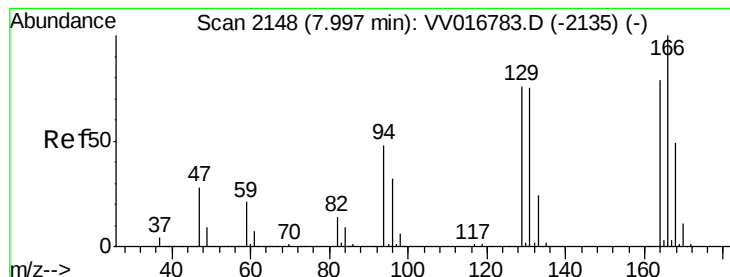
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 45.041 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 92828

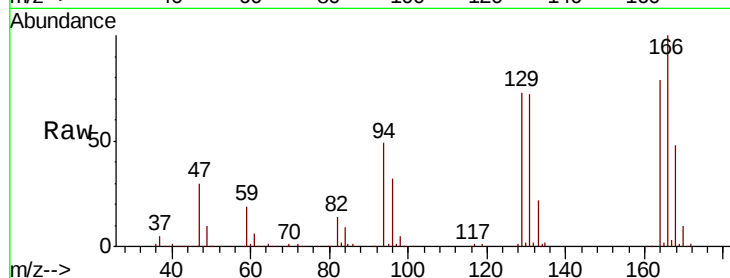
Ion Ratio Lower Upper

164 100

129 92.4 67.0 124.4

131 91.0 64.8 120.3

166 126.2 90.4 167.8

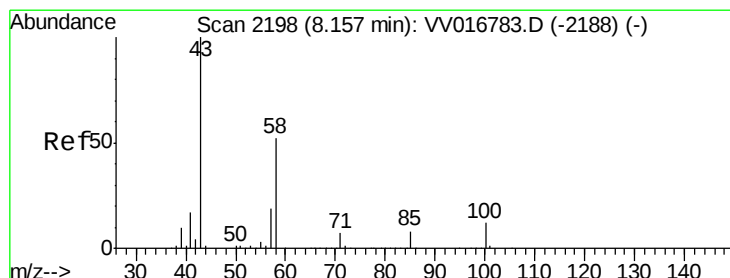
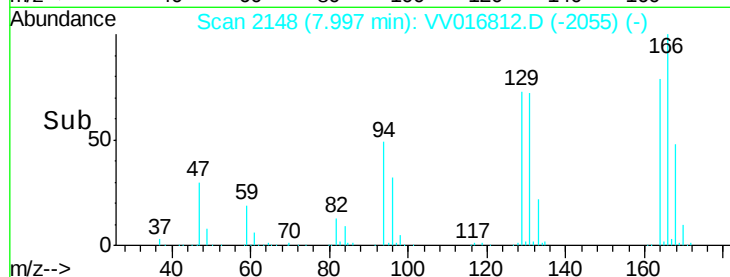
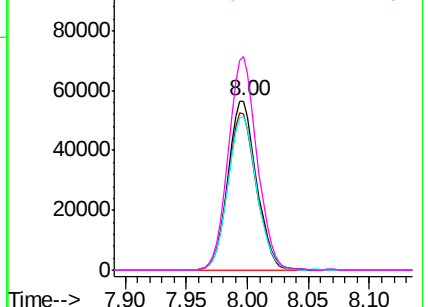


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 100.789 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Tgt Ion: 43 Resp: 281383

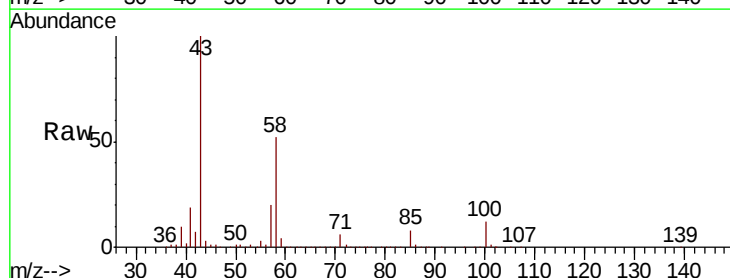
Ion Ratio Lower Upper

43 100

58 52.7 43.1 64.7

57 19.6 15.3 22.9

100 12.7 10.0 15.0

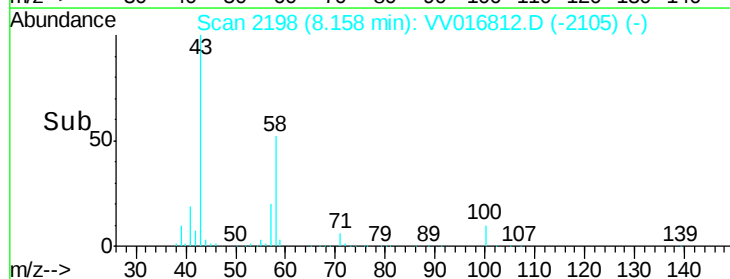
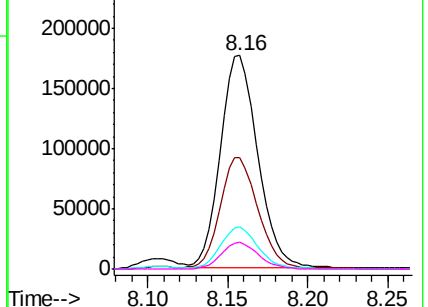


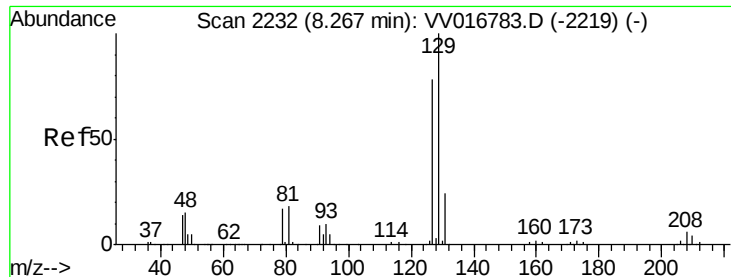
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 50.207 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

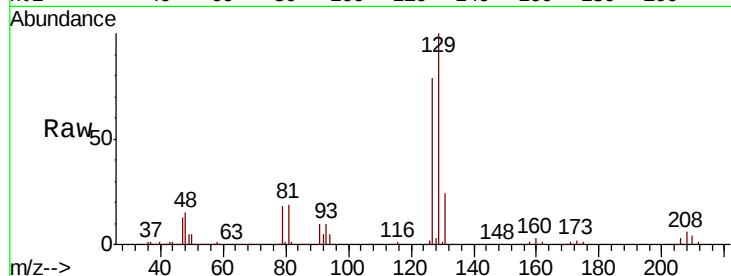
ClientSampleId :

Tot Ion:129 Resp: 131601

Ion Ratio Lower Upper

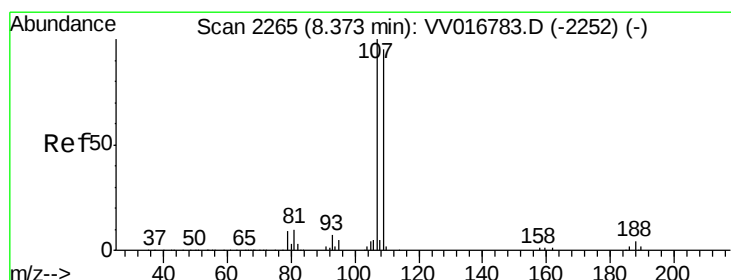
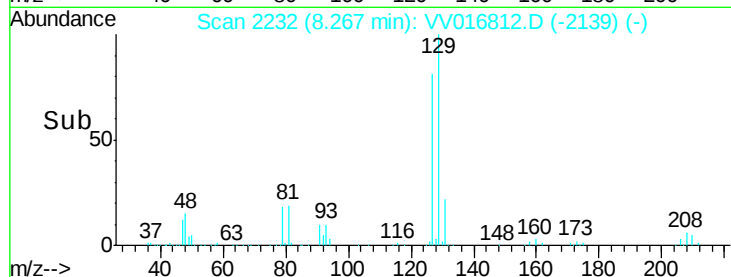
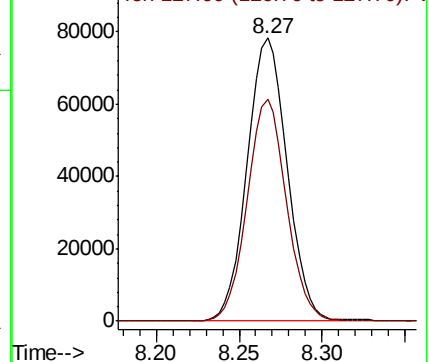
129 100

127 78.5 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 50.704 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

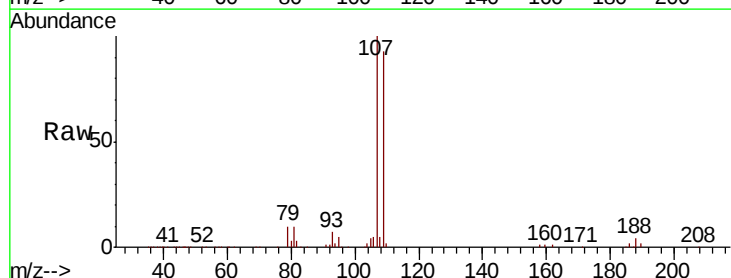
Tgt Ion:107 Resp: 130168

Ion Ratio Lower Upper

107 100

109 93.4 66.4 123.2

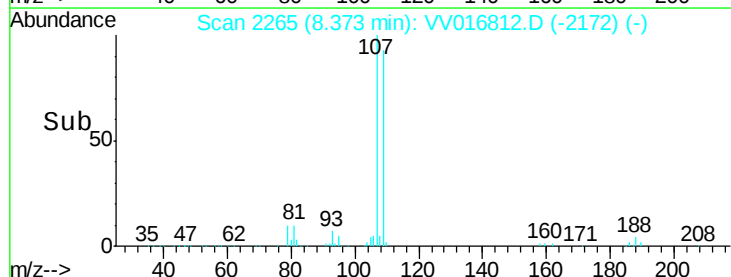
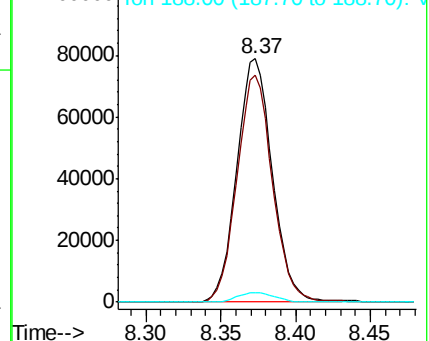
188 3.9 3.1 4.7

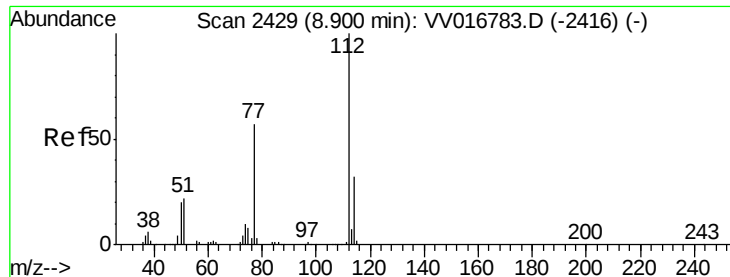


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 47.786 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

ClientSampled :

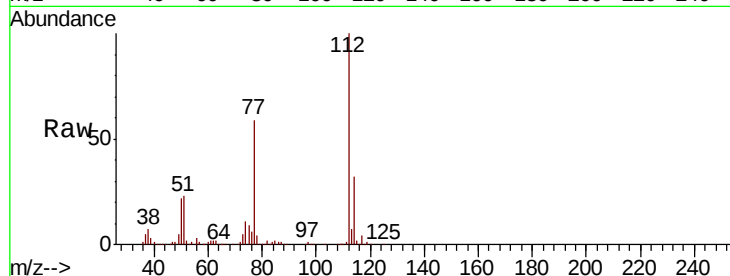
Tot Ion:112 Resp: 321132

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

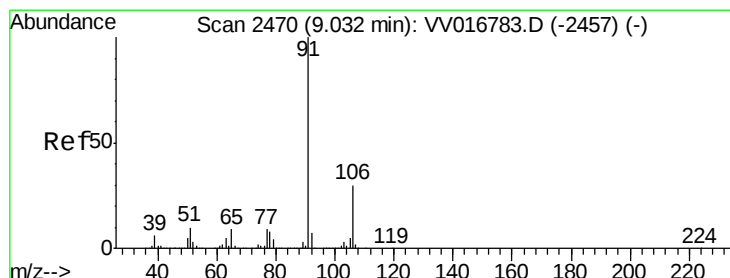
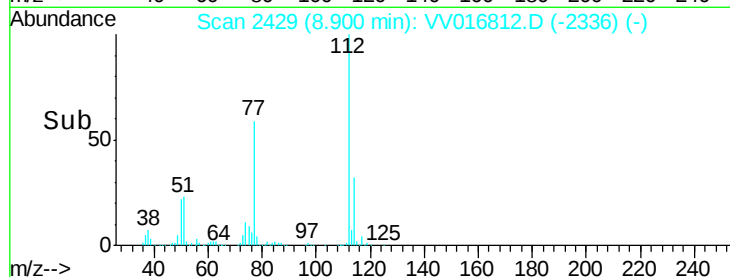
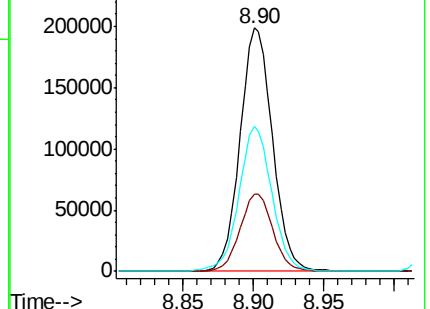
77 59.5 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 47.556 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016812.D

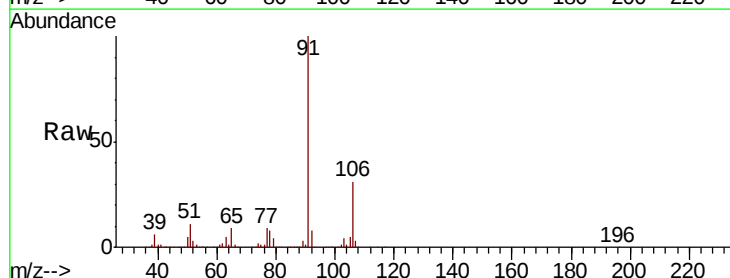
Acq: 11 Jun 2020 09:11

Tgt Ion: 91 Resp: 542561

Ion Ratio Lower Upper

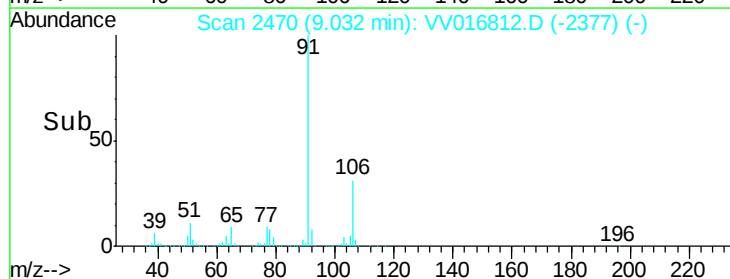
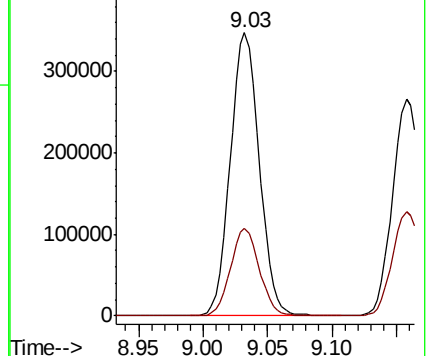
91 100

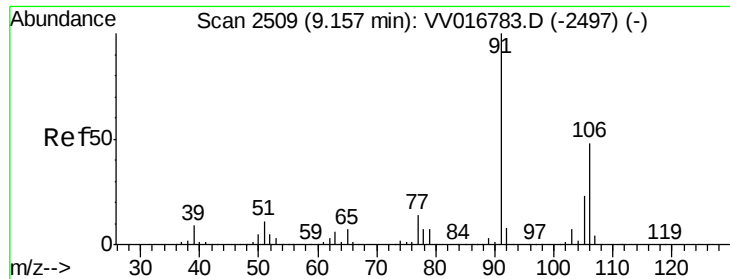
106 30.9 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

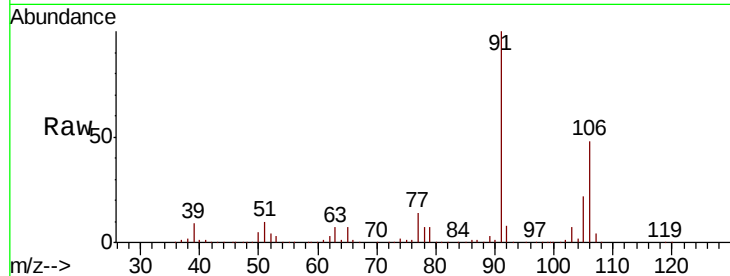




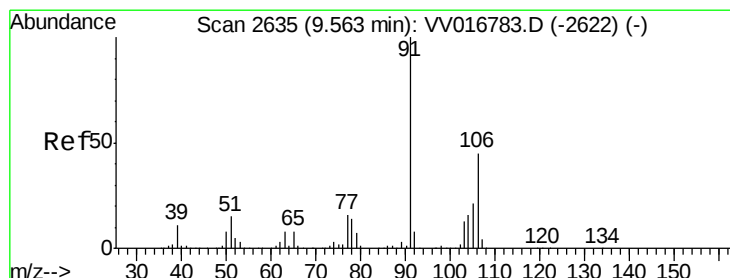
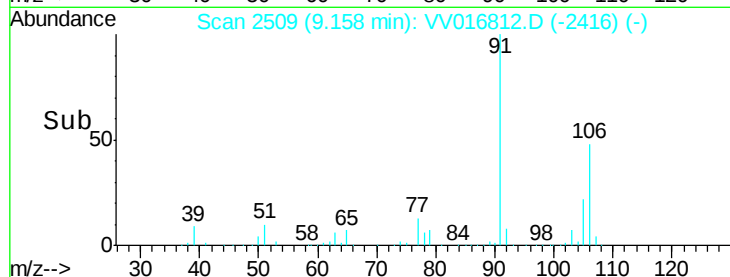
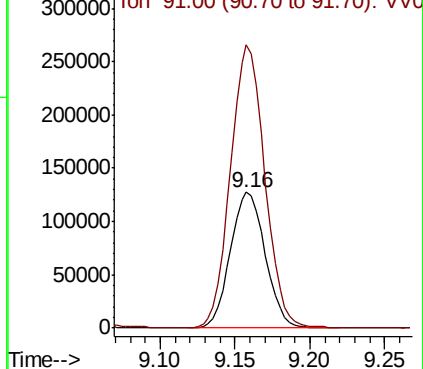
#53
m,p-Xylene
Concen: 48.639 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 206615
Ion Ratio Lower Upper
106 100
91 207.9 144.6 268.6

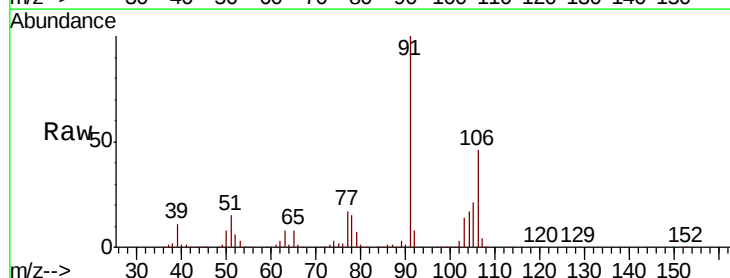


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

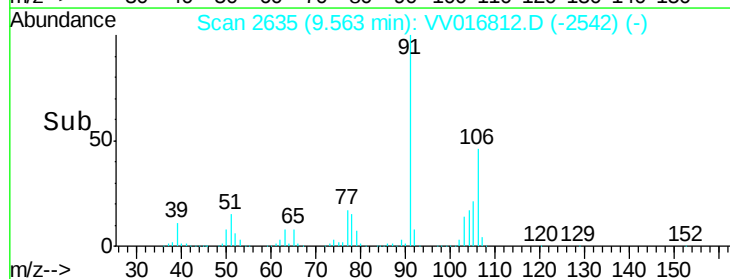
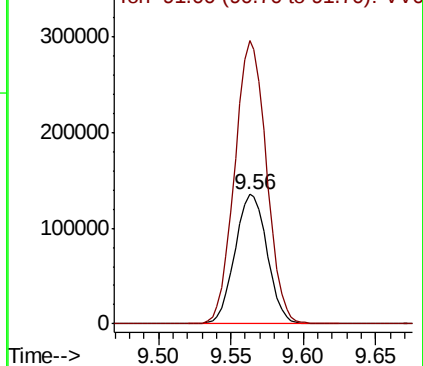


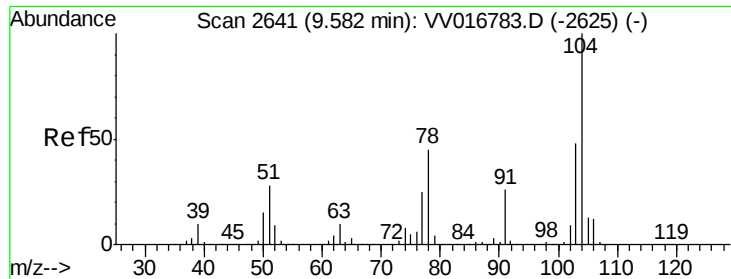
#54
o-xylene
Concen: 49.890 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Tgt Ion:106 Resp: 209015
Ion Ratio Lower Upper
106 100
91 218.2 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 50.252 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

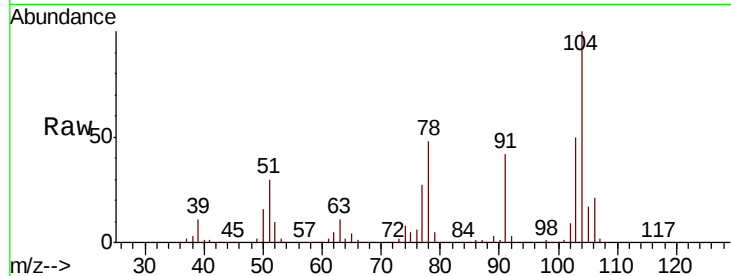
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 355947

Ion Ratio Lower Upper

104 100

78 47.9 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

250000

200000

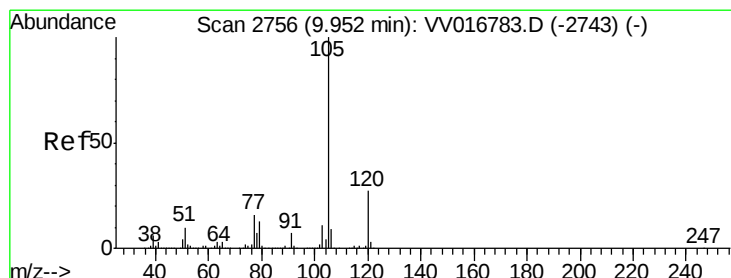
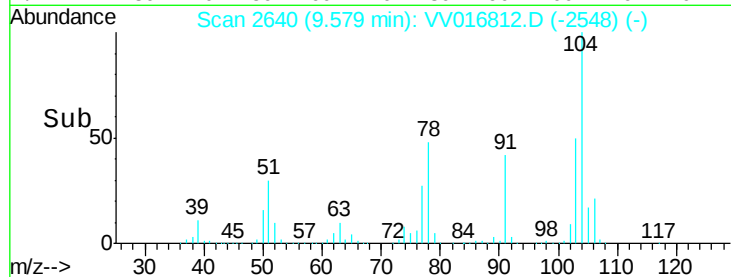
150000

100000

50000

0

Time-->



#56

Isopropylbenzene

Concen: 48.175 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

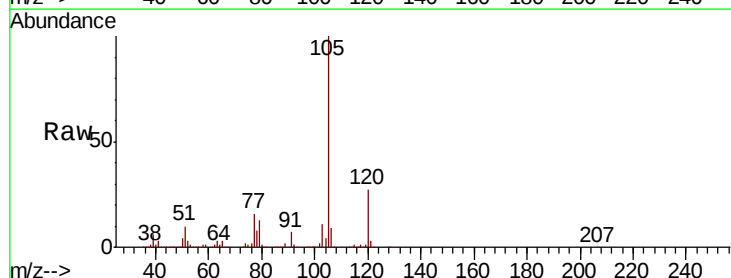
Tgt Ion:105 Resp: 542310

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 16.4 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

9.95

400000

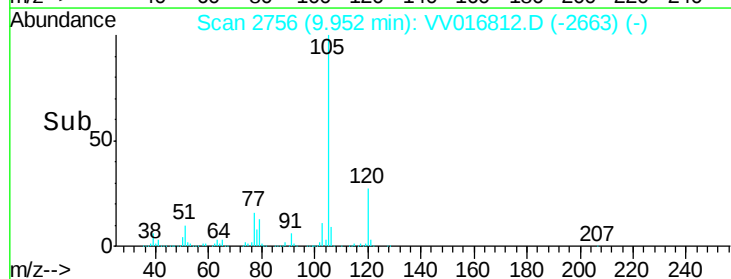
300000

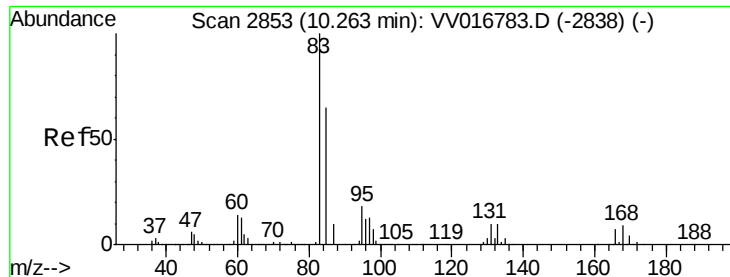
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 50.094 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

ClientSampleId :

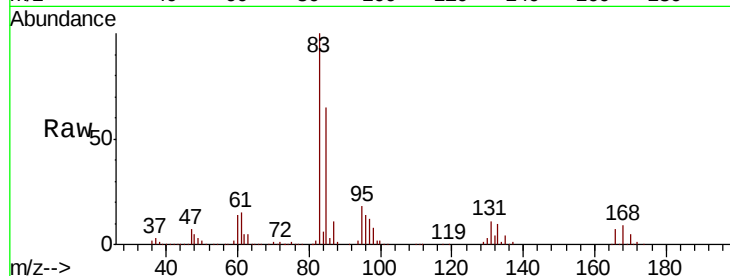
Tot Ion: 83 Resp: 188289

Ion Ratio Lower Upper

83 100

85 65.5 46.8 86.8

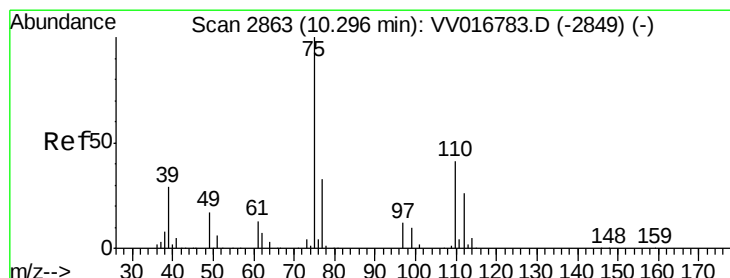
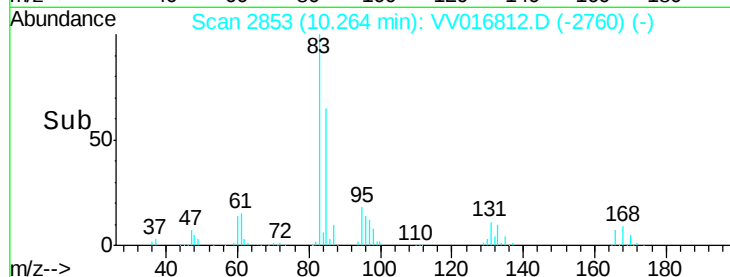
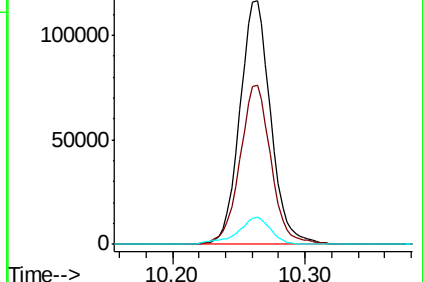
131 11.0 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV016812.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016812.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016812.D (-2760) (-)



#59

1,2,3-Trichloropropane

Concen: 51.061 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016812.D

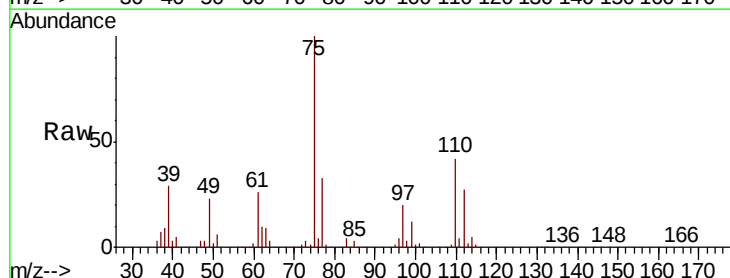
Acq: 11 Jun 2020 09:11

Tgt Ion: 75 Resp: 160980

Ion Ratio Lower Upper

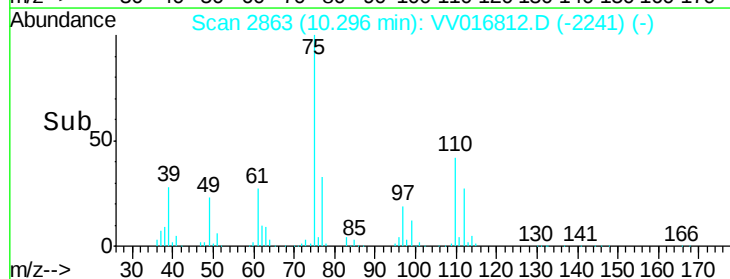
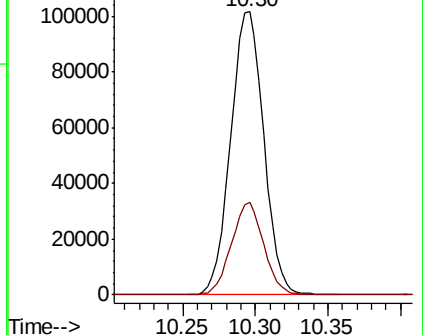
75 100

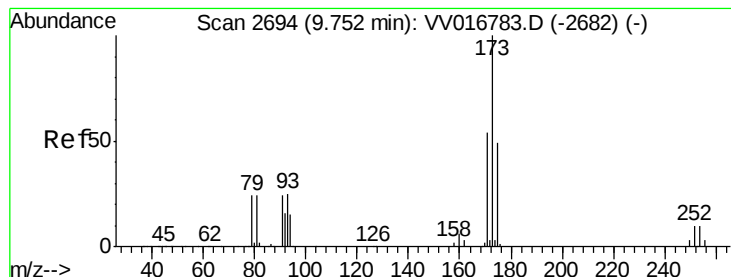
77 31.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016812.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016812.D (-2241) (-)





#61

Bromoform

Concen: 48.860 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :
MSVOA_V
ClientSampleId :

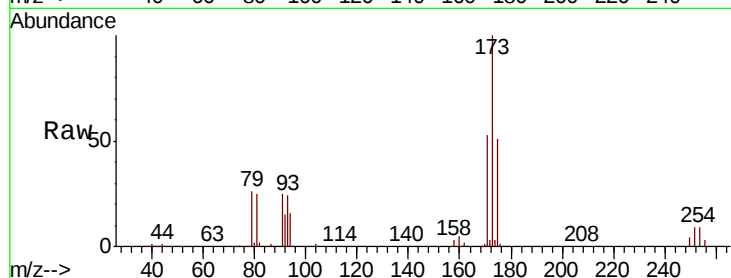
Tot Ion:173 Resp: 86993

Ion Ratio Lower Upper

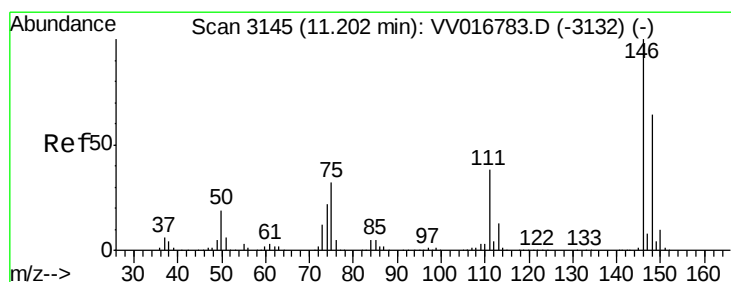
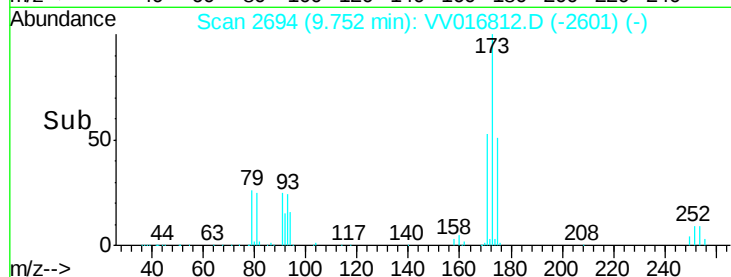
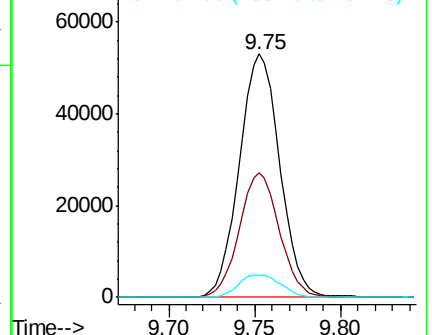
173 100

175 50.5 39.0 58.4

254 9.6 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 48.654 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

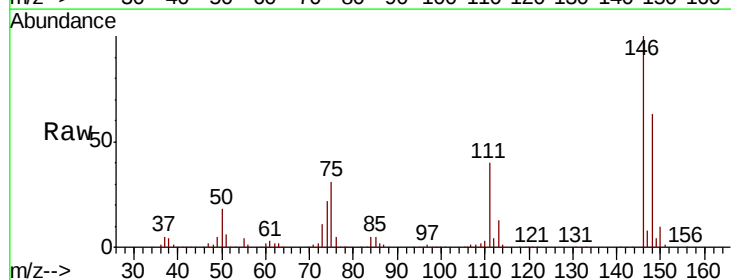
Tgt Ion:146 Resp: 266748

Ion Ratio Lower Upper

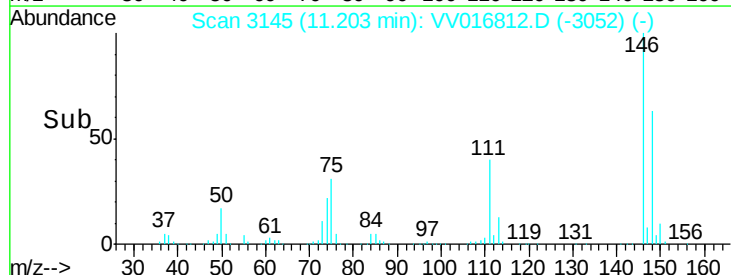
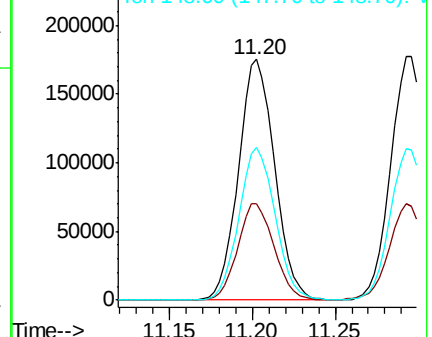
146 100

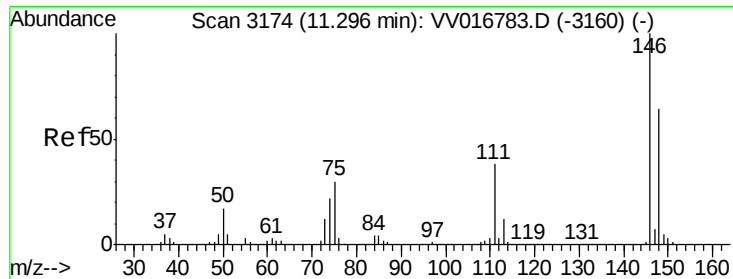
111 40.2 28.3 52.7

148 63.3 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 48.081 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

ClientSampled :

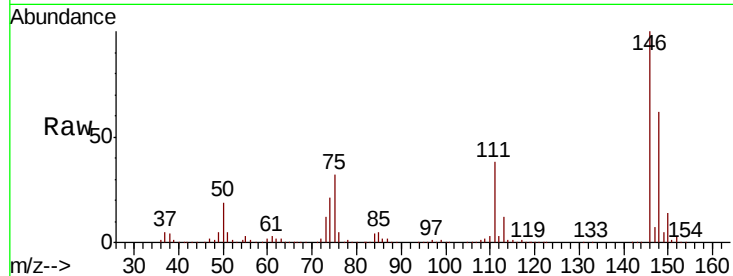
Tot Ion:146 Resp: 268209

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

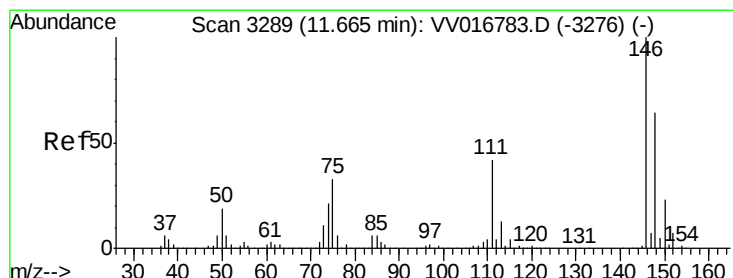
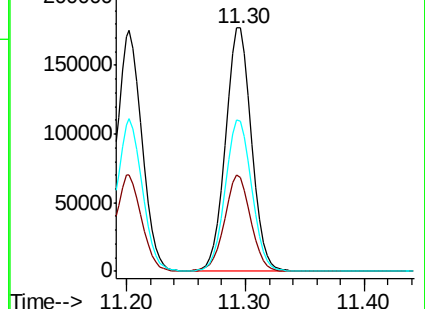
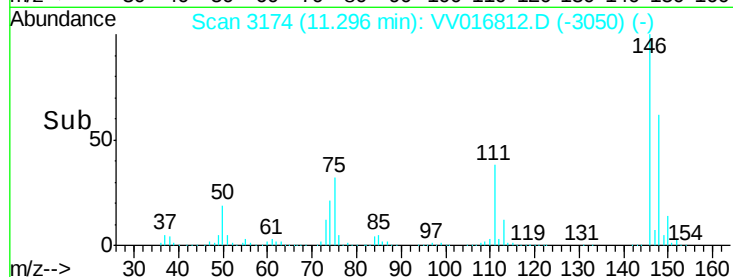
148 61.8 43.5 80.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 49.827 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

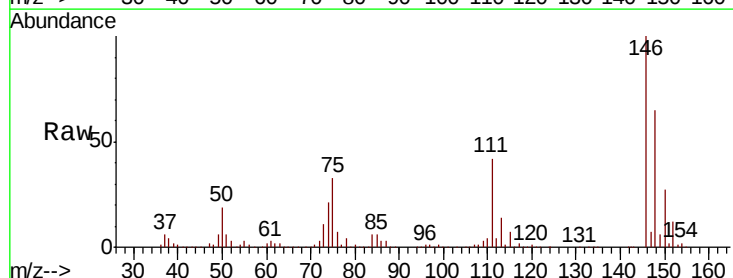
Tgt Ion:146 Resp: 273763

Ion Ratio Lower Upper

146 100

111 42.4 33.7 50.5

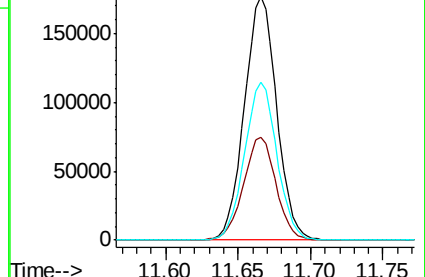
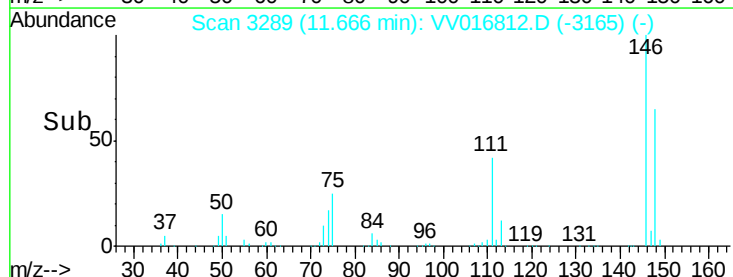
148 64.7 50.7 76.1

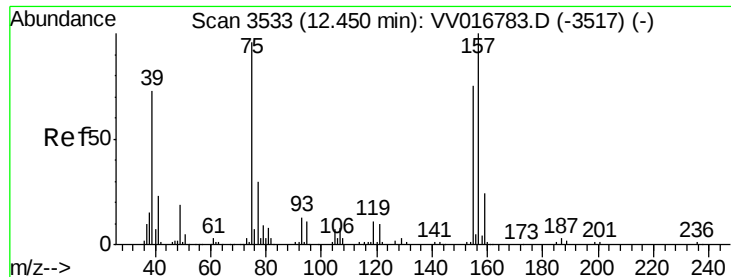


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

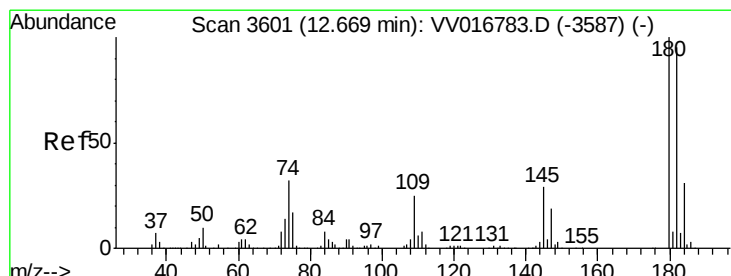
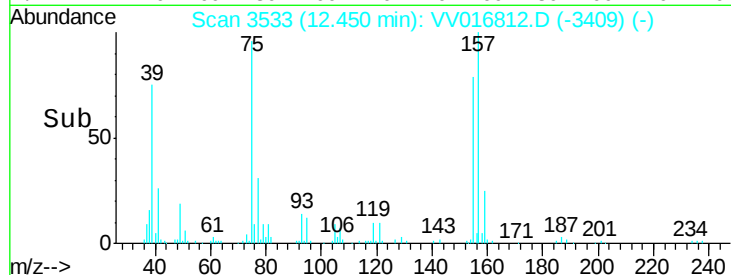
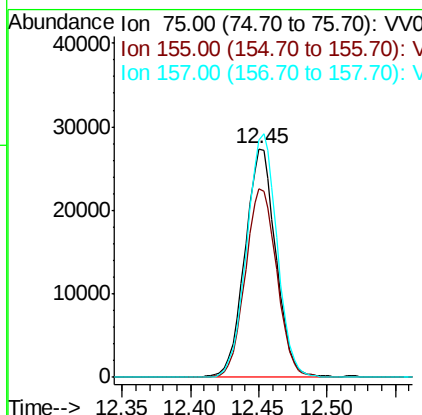
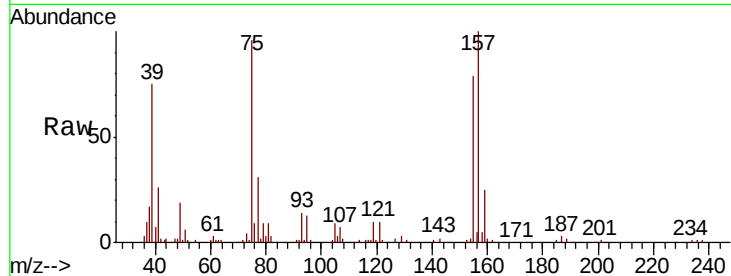




#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.893 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

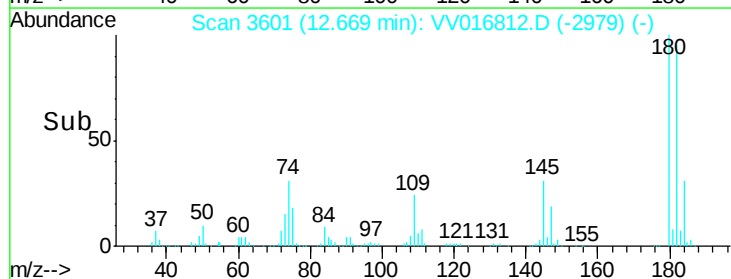
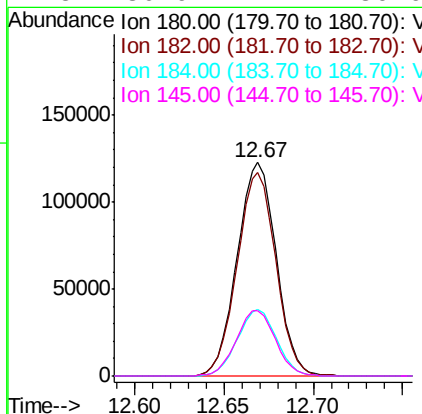
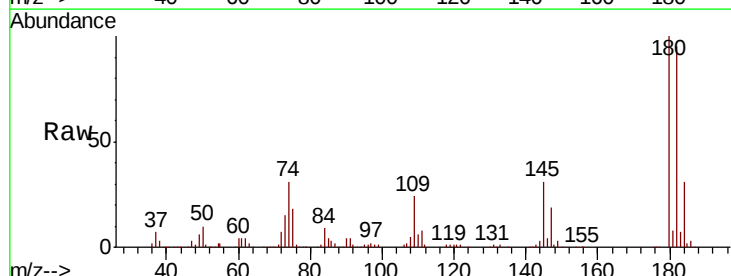
Instrument :
 MSVOA_V
 ClientSampleId :

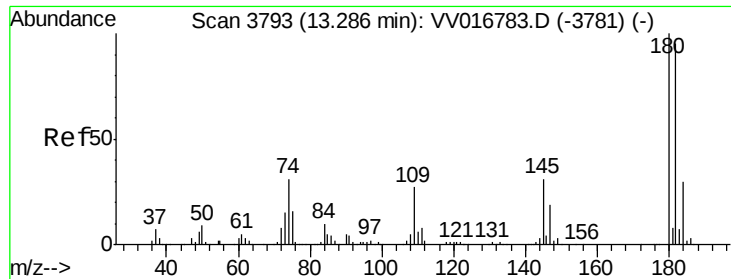
Tot Ion: 75 Resp: 43104
 Ion Ratio Lower Upper
 75 100
 155 82.6 69.8 104.6
 157 103.9 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 45.774 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016812.D
 Acq: 11 Jun 2020 09:11

Tgt Ion: 180 Resp: 187135
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.0 112.6
 184 31.1 24.5 36.7
 145 30.9 24.4 36.6

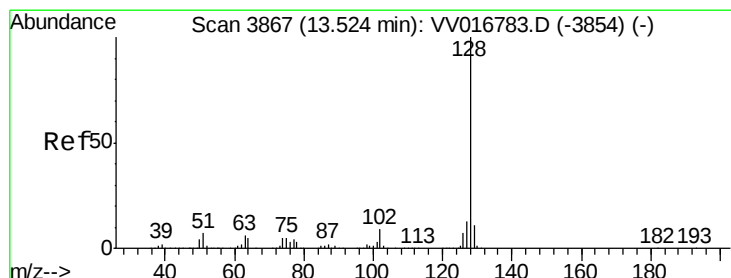
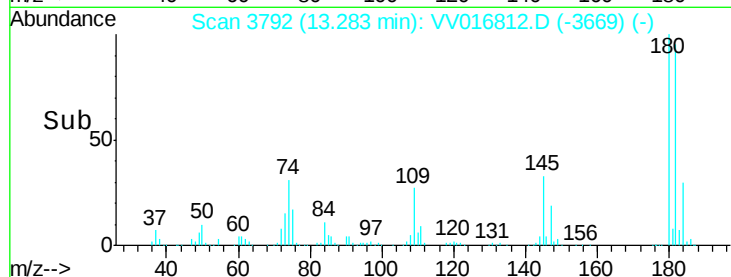
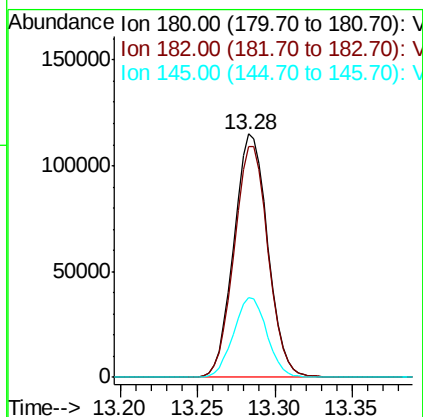
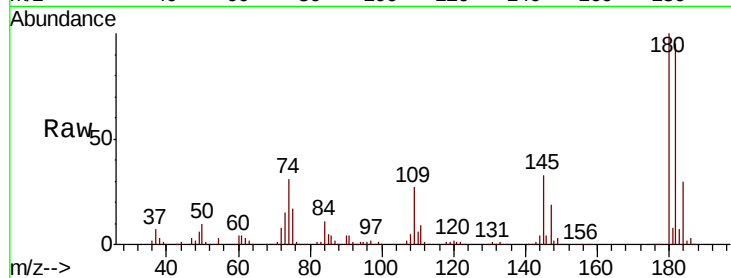




#68
1,2,4-trichlorobenzene
Concen: 46.662 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

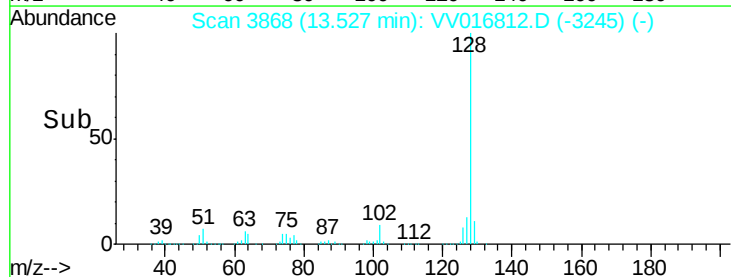
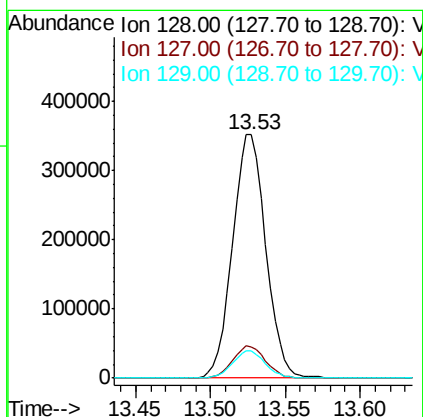
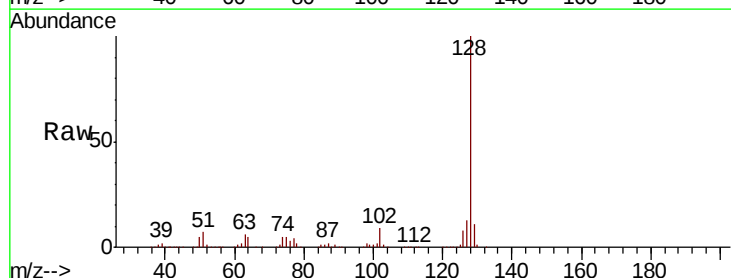
Instrument :
MSVOA_V
ClientSampleId :

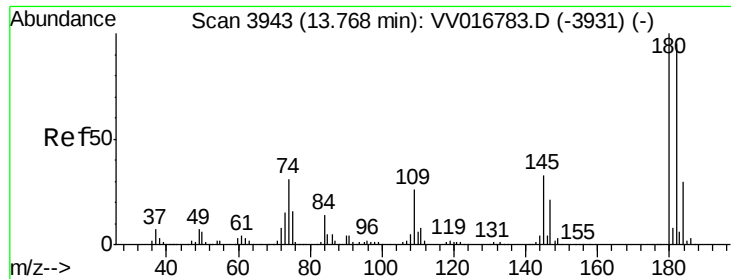
Tot Ion:180 Resp: 174977
Ion Ratio Lower Upper
180 100
182 95.3 76.9 115.3
145 32.5 25.2 37.8



#69
Naphthalene
Concen: 50.508 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV016812.D
Acq: 11 Jun 2020 09:11

Tgt Ion:128 Resp: 544809
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1





#70

1,2,3-Trichlorobenzene

Concen: 47.906 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

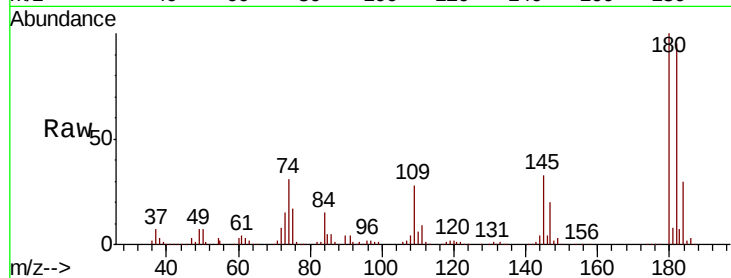
Lab File: VV016812.D

Acq: 11 Jun 2020 09:11

Instrument :

MSVOA_V

ClientSampleId :



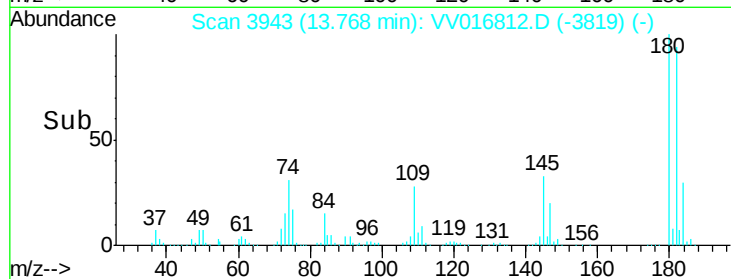
Tot Ion:180 Resp: 175773

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 33.6 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

