

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV016991.D
 Acq On : 19 Jun 2020 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 01:59:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 14:43:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366113	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345556	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183051	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120135	46.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	80119	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.38%
11) 1,1-Dichloroethene-d2	2.12	63	224527	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.52%
21) 2-Butanone-d5	3.90	46	173597	90.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.79%
24) Chloroform-d	4.37	84	260430	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	5.05	65	175202	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
32) Benzene-d6	5.07	84	485973	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.09	67	146433	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.33	98	456415	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	7.64	79	81144	50.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.36%
47) 2-Hexanone-d5	8.11	63	112532	83.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.13%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	185636	45.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	186861	47.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	141662	48.805	ug/L 100
3) Chloromethane	1.25	50	122881	46.293	ug/L 97
5) Vinyl chloride	1.32	62	120359	46.109	ug/L 97
6) Bromomethane	1.53	94	69981	64.370	ug/L 98
8) Chloroethane	1.60	64	60906	47.236	ug/L 94
9) Trichlorofluoromethane	1.76	101	196710	50.358	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	106707	54.820	ug/L 99
12) 1,1-Dichloroethene	2.13	96	94698	52.115	ug/L 99
13) Acetone	2.19	43	169391	134.459	ug/L 99
14) Carbon disulfide	2.31	76	301596	45.842	ug/L 100
15) Methyl Acetate	2.44	43	132965	47.353	ug/L 99
16) Methylene chloride	2.52	84	130425	48.914	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	122769	49.552	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	415179	50.574	ug/L 99
19) 1,1-Dichloroethane	3.21	63	232862	49.932	ug/L 96
20) cis-1,2-Dichloroethene	3.93	96	134719	49.877	ug/L 99
22) 2-Butanone	3.99	43	203880	104.946	ug/L 100

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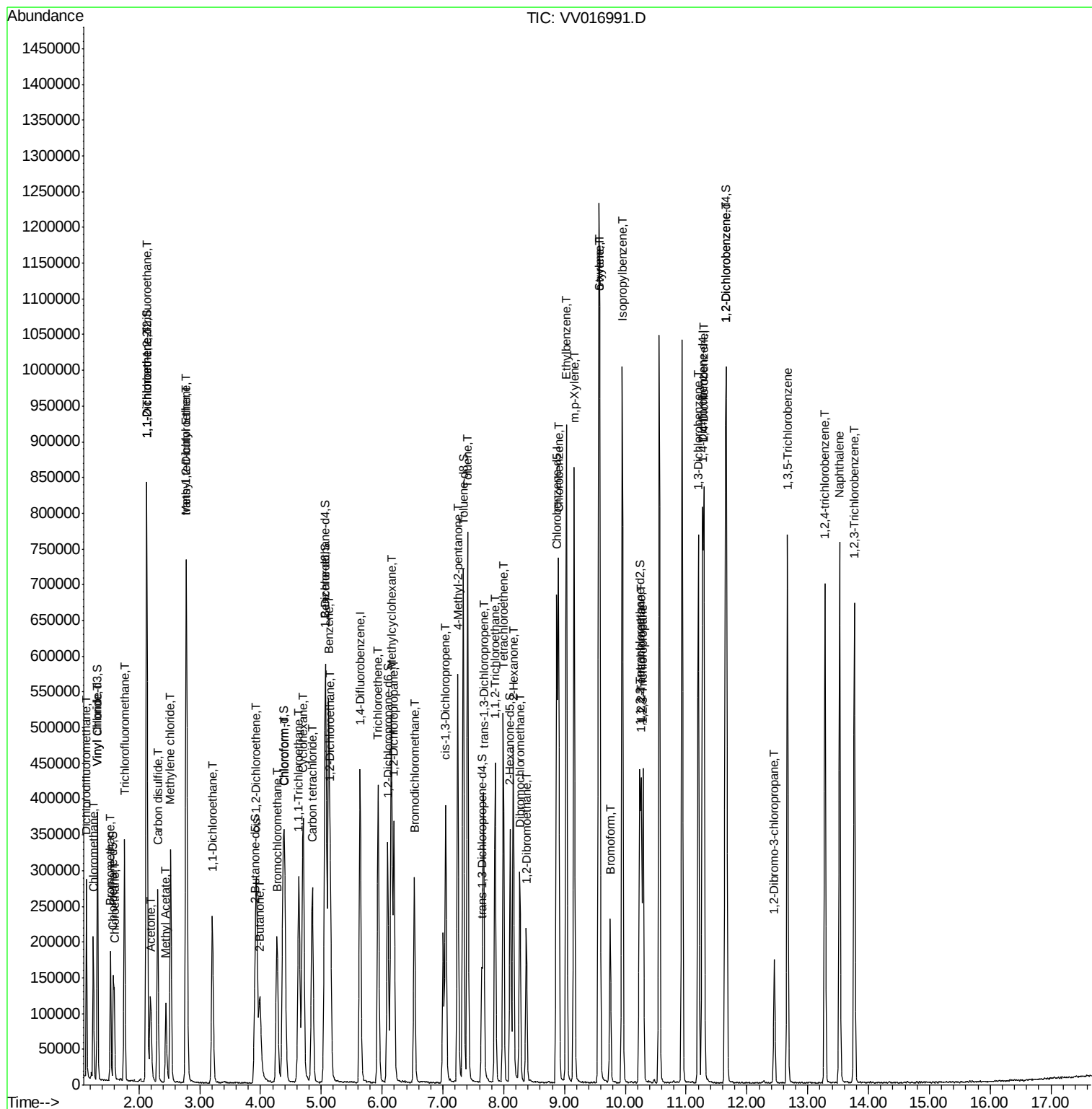
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	73215	51.457	uq/L	95
25) Chloroform	4.40	83	251471	52.469	uq/L	98
27) 1,2-Dichloroethane	5.15	62	206134	51.306	uq/L	97
29) Cyclohexane	4.70	56	198355	46.193	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	233484	52.982	uq/L	98
31) Carbon tetrachloride	4.85	117	205853	53.996	uq/L	99
33) Benzene	5.12	78	506531	49.543	uq/L	100
34) Trichloroethene	5.94	95	140222	51.138	uq/L	99
35) Methylcyclohexane	6.15	83	208160	48.390	uq/L	98
37) 1,2-Dichloropropane	6.19	63	131394	49.418	uq/L	100
38) Bromodichloromethane	6.53	83	184412	52.102	uq/L	99
39) cis-1,3-Dichloropropene	7.04	75	212431	51.435	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	369843	98.163	uq/L	100
42) Toluene	7.41	91	540733	50.170	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	211557	52.689	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	127644	49.760	uq/L	99
46) Tetrachloroethene	7.99	164	111996	51.933	uq/L	97
48) 2-Hexanone	8.16	43	294227	100.718	uq/L	98
49) Dibromochloromethane	8.27	129	147544	53.795	uq/L	98
50) 1,2-Dibromoethane	8.37	107	134819	50.189	uq/L	100
51) Chlorobenzene	8.90	112	357906	50.898	uq/L	99
52) Ethylbenzene	9.03	91	611919	51.258	uq/L	98
53) m,p-Xylene	9.16	106	232016	52.198	uq/L	99
54) o-xylene	9.56	106	223263	50.929	uq/L	98
55) Styrene	9.58	104	393715	53.121	uq/L	98
56) Isopropylbenzene	9.95	105	621824	52.790	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	184591	46.934	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	163716	49.628	uq/L	99
61) Bromoform	9.75	173	101305	53.805	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	296124	51.075	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	299984	50.853	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	298787	51.424	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41829	45.784	uq/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	223838	51.774	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	199822	50.389	uq/L	99
69) Naphthalene	13.52	128	559519	49.051	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	197429	50.882	uq/L	98

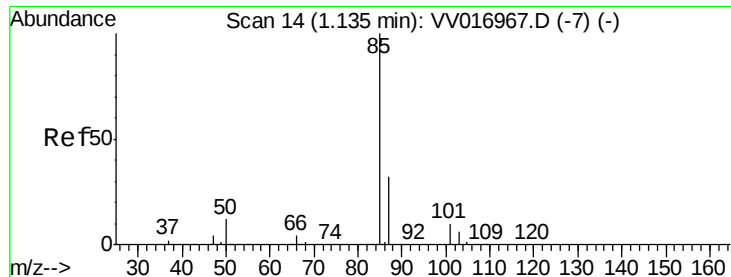
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.805 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

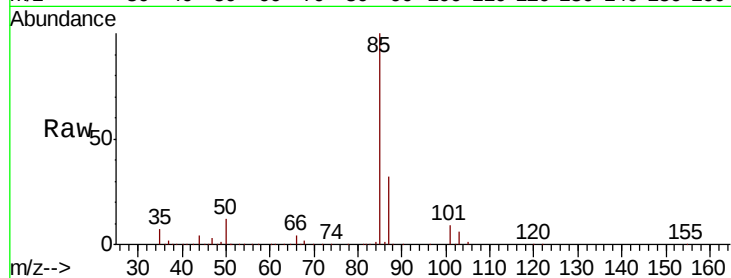
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 141662

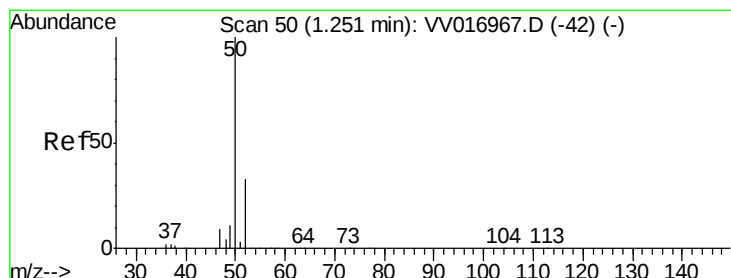
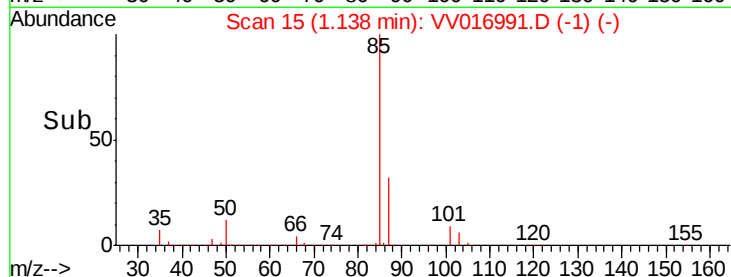
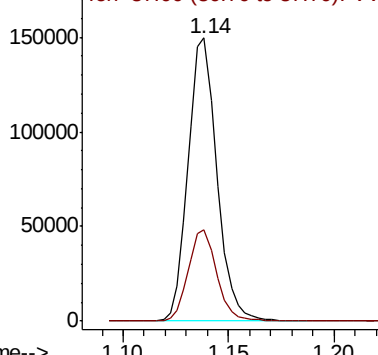
Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 46.293 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016991.D

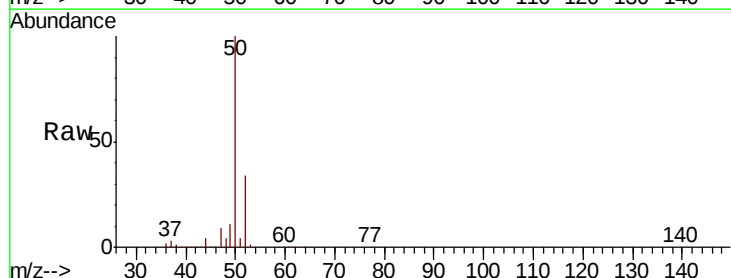
Acq: 19 Jun 2020 09:38

Tgt Ion: 50 Resp: 122881

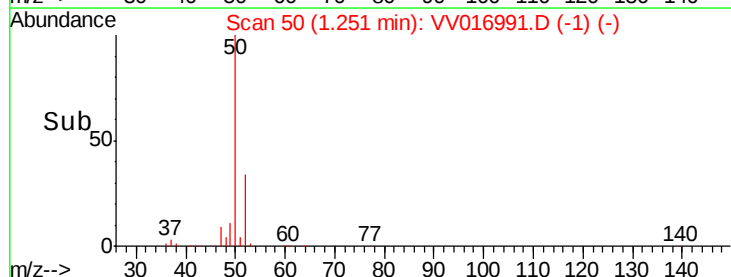
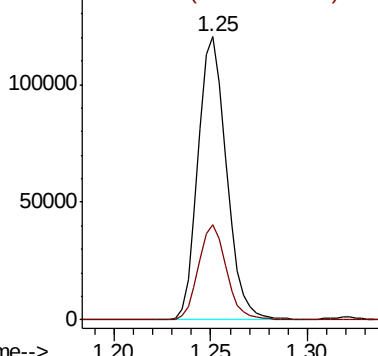
Ion Ratio Lower Upper

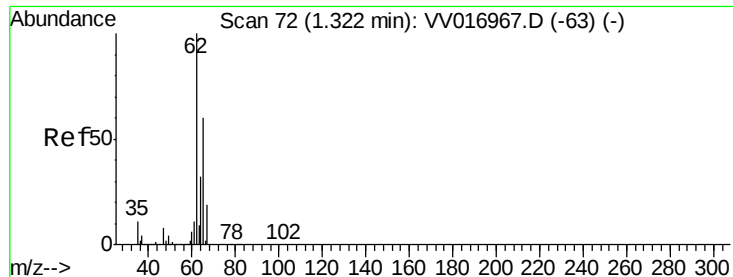
50 100

52 33.5 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.109 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

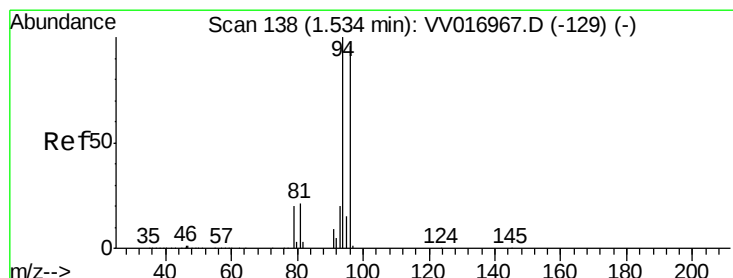
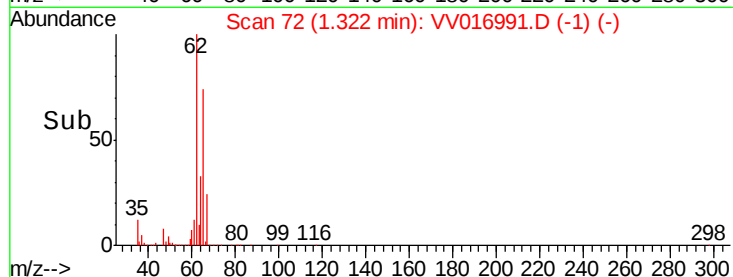
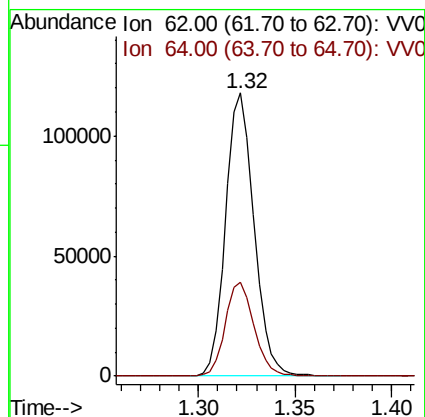
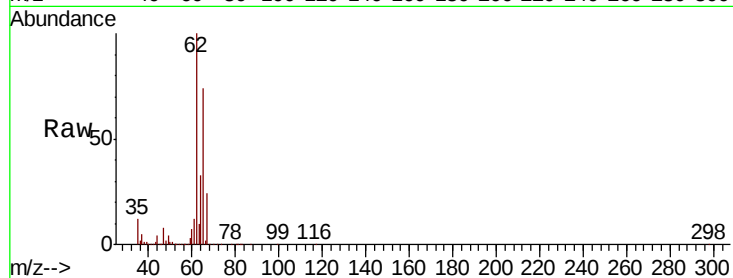
ClientSampleId :

Tot Ion: 62 Resp: 120359

Ion Ratio Lower Upper

62 100

64 33.4 22.3 41.5



#6

Bromomethane

Concen: 64.370 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016991.D

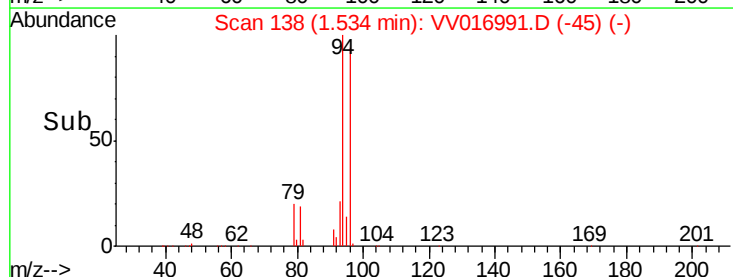
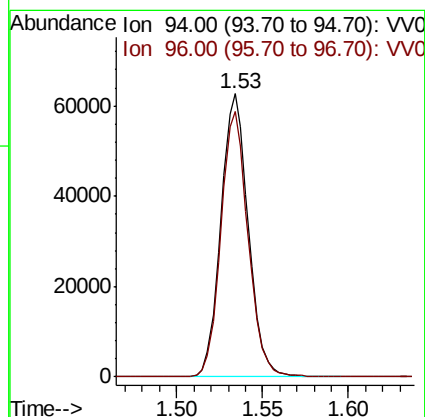
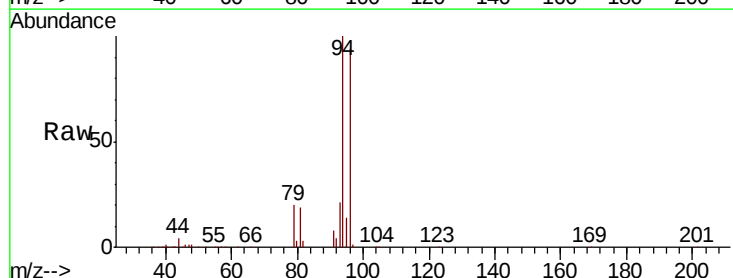
Acq: 19 Jun 2020 09:38

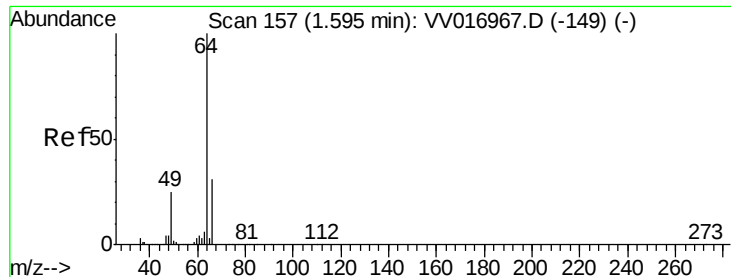
Tgt Ion: 94 Resp: 69981

Ion Ratio Lower Upper

94 100

96 93.8 64.5 119.9





#8

Chloroethane

Concen: 47.236 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

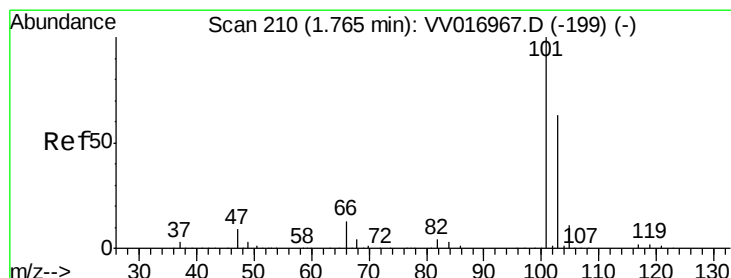
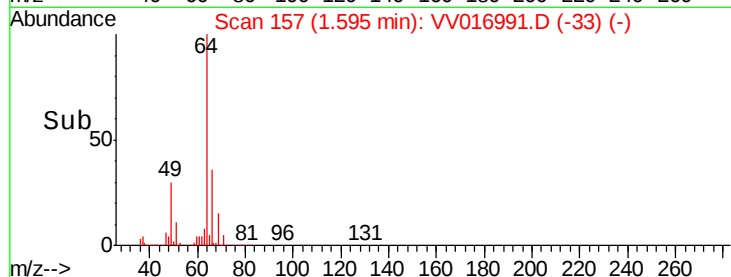
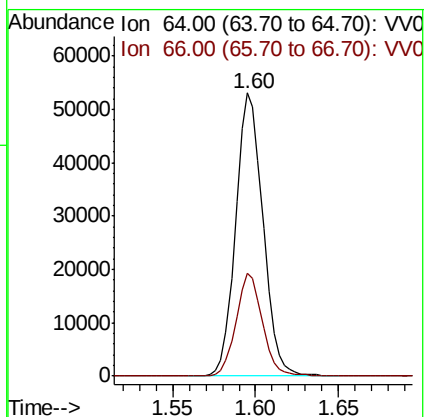
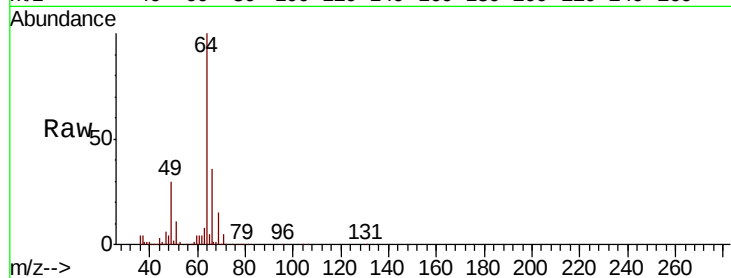
ClientSampleId :

Tot Ion: 64 Resp: 60906

Ion Ratio Lower Upper

64 100

66 36.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 50.358 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016991.D

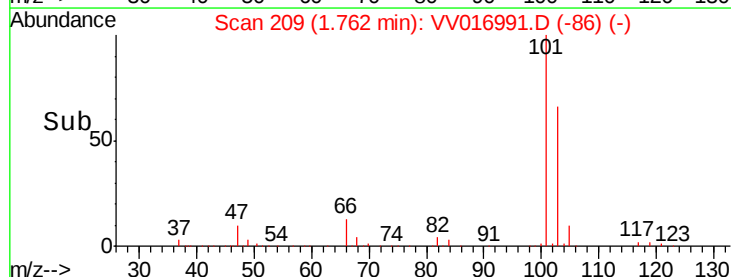
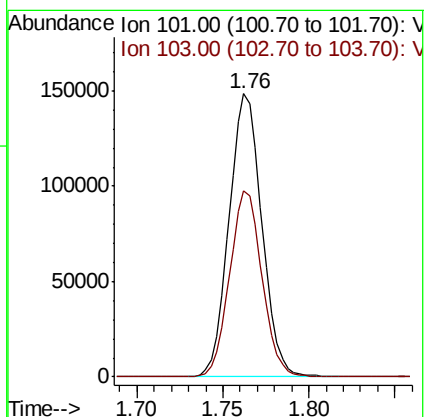
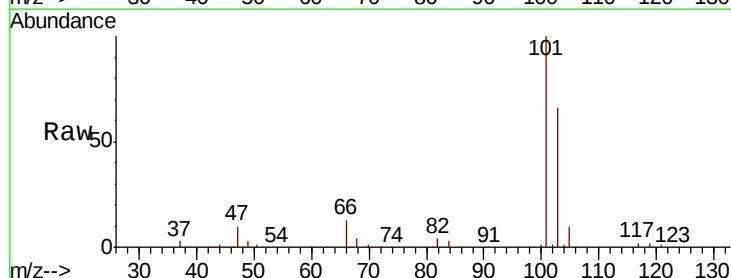
Acq: 19 Jun 2020 09:38

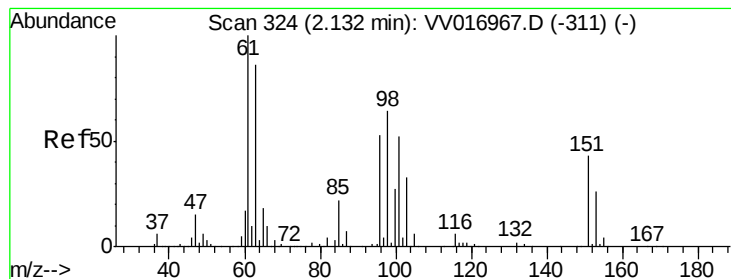
Tgt Ion: 101 Resp: 196710

Ion Ratio Lower Upper

101 100

103 64.9 51.3 76.9





#10

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

Concen: 54.820 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

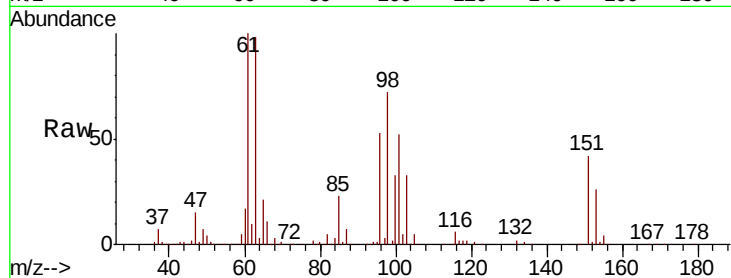
Tot Ion:101 Resp: 106707

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

151 80.8 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016991.D (-231) (-)

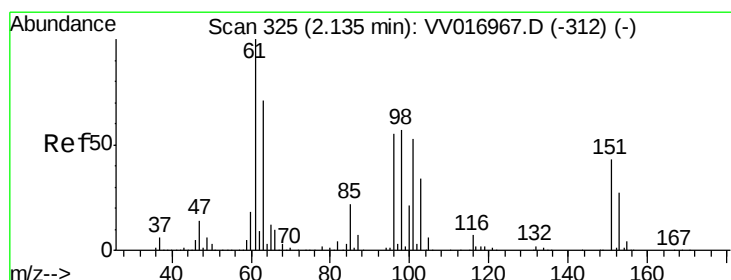
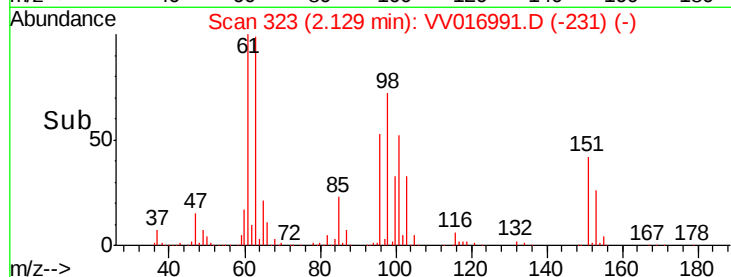
Ion 85.00 (84.70 to 85.70): VV016991.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016991.D (-231) (-)

Time-->

2.13

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 52.115 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

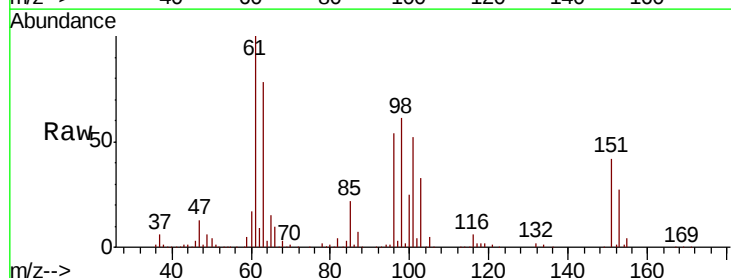
Tgt Ion: 96 Resp: 94698

Ion Ratio Lower Upper

96 100

61 185.3 130.4 242.2

63 144.8 103.3 191.9



Abundance Ion 96.00 (95.70 to 96.70): VV016991.D (-232) (-)

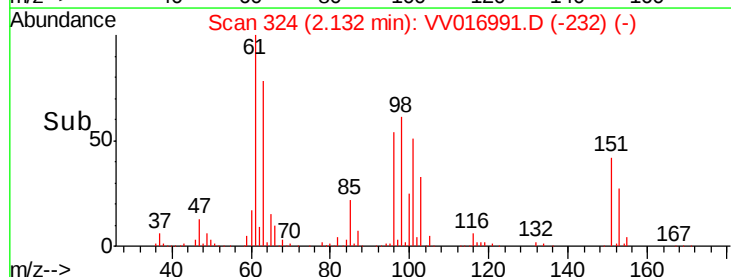
Ion 61.00 (60.70 to 61.70): VV016991.D (-232) (-)

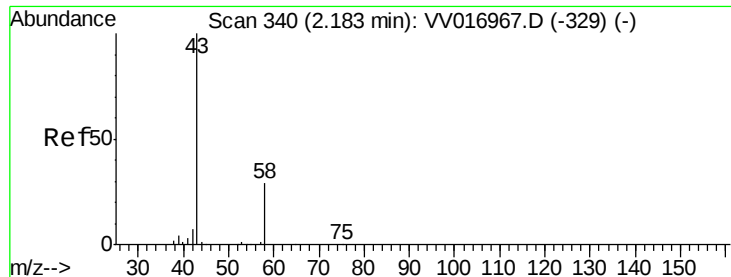
Ion 63.00 (62.70 to 63.70): VV016991.D (-232) (-)

Time-->

2.13

2.05 2.10 2.15 2.20





#13

Acetone

Concen: 134.459 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

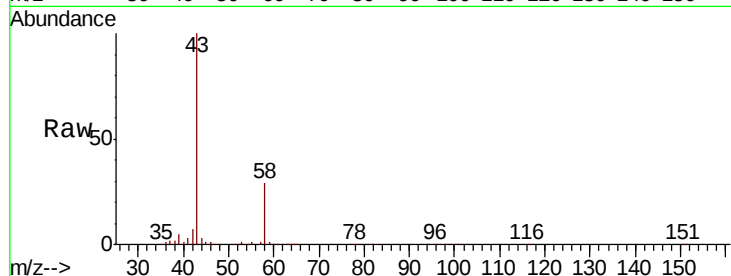
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 169391

Ion Ratio Lower Upper

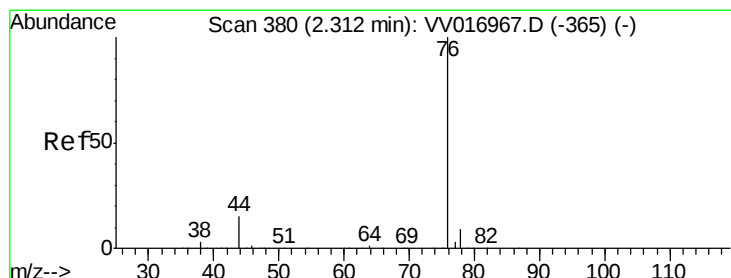
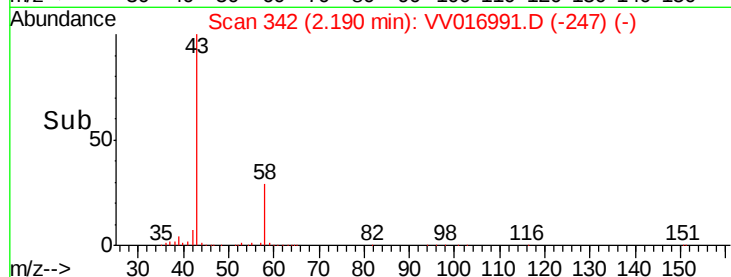
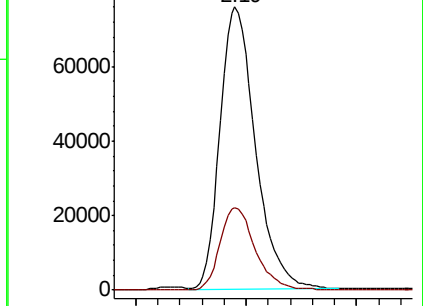
43 100

58 28.3 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016967.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV016967.D (-329) (-)



#14

Carbon disulfide

Concen: 45.842 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016991.D

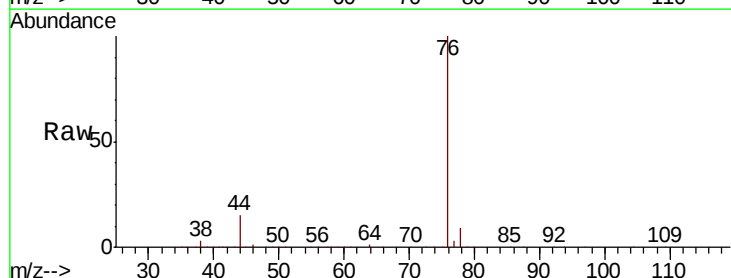
Acq: 19 Jun 2020 09:38

Tgt Ion: 76 Resp: 301596

Ion Ratio Lower Upper

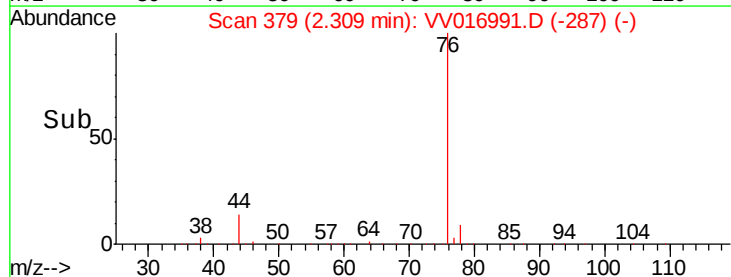
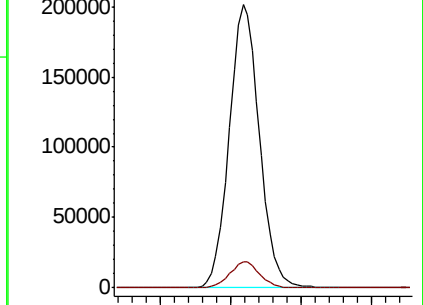
76 100

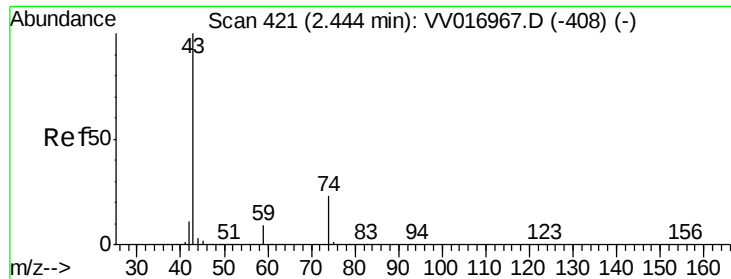
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016967.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV016967.D (-365) (-)

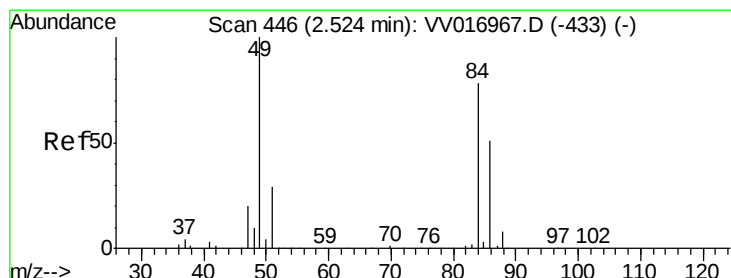
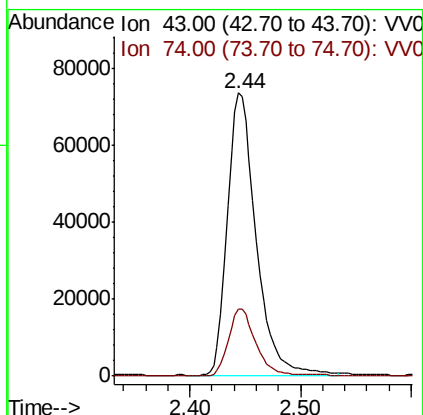
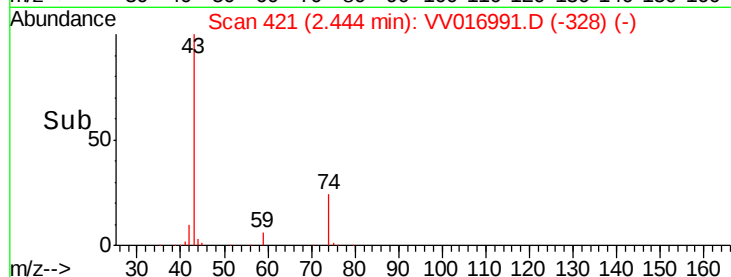
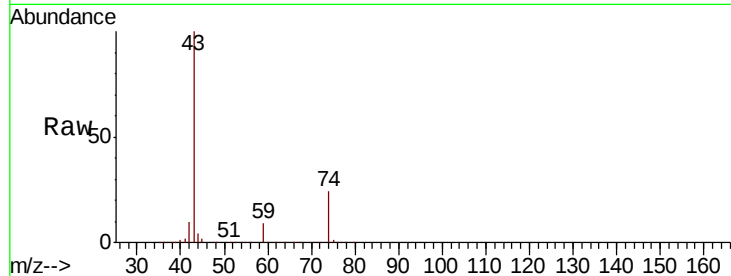




#15
Methvl Acetate
Concen: 47.353 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

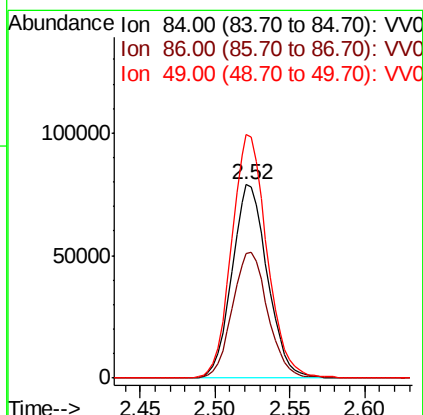
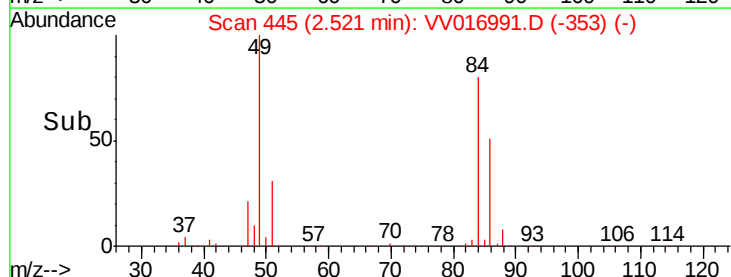
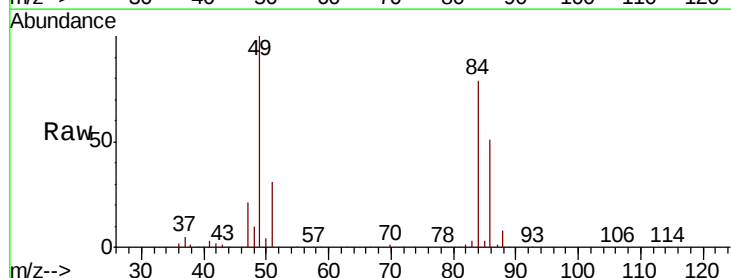
Instrument :
MSVOA_V
ClientSampleId :

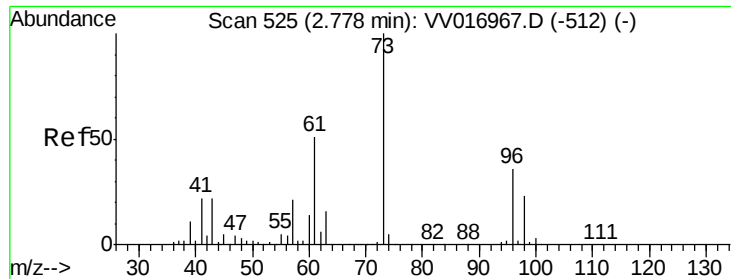
Tot Ion: 43 Resp: 132965
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9



#16
Methylene chloride
Concen: 48.914 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 84 Resp: 130425
Ion Ratio Lower Upper
84 100
86 64.5 44.0 81.8
49 125.8 90.9 168.9

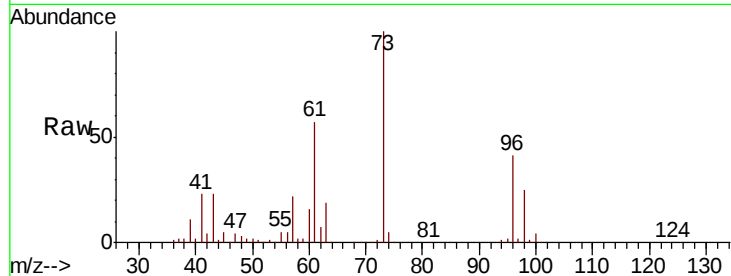




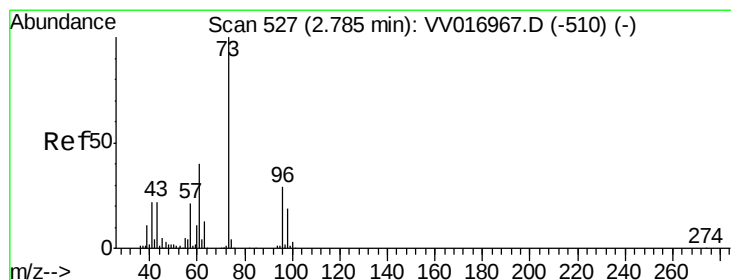
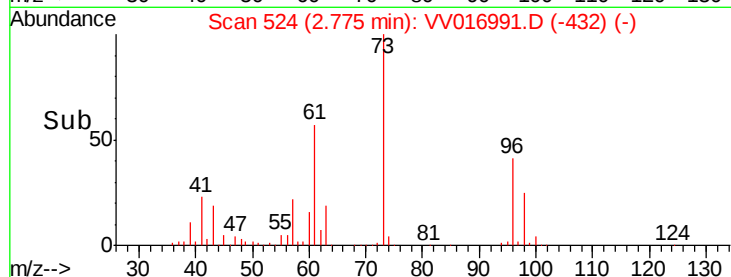
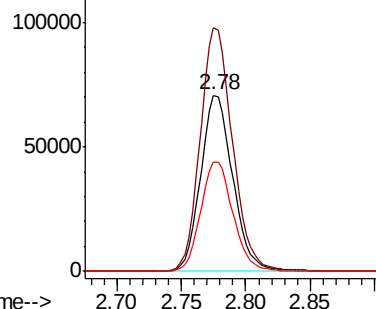
#17
trans-1,2-Dichloroethene
Concen: 49.552 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 122769
Ion Ratio Lower Upper
96 100
61 138.0 102.9 191.1
98 61.6 45.5 84.5

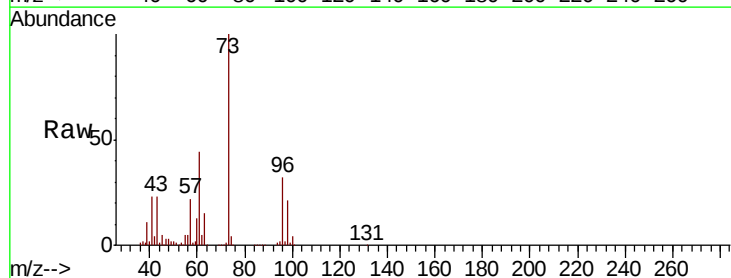


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

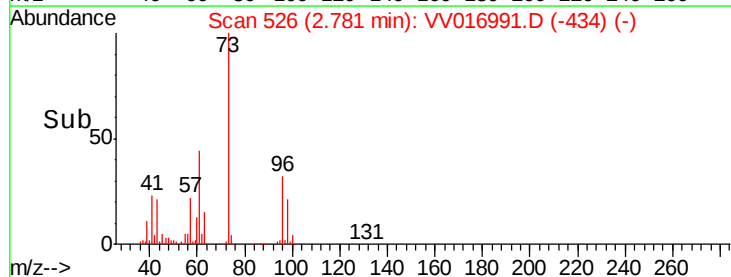
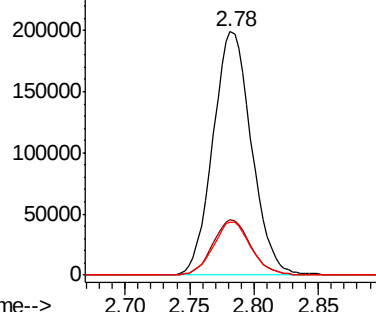


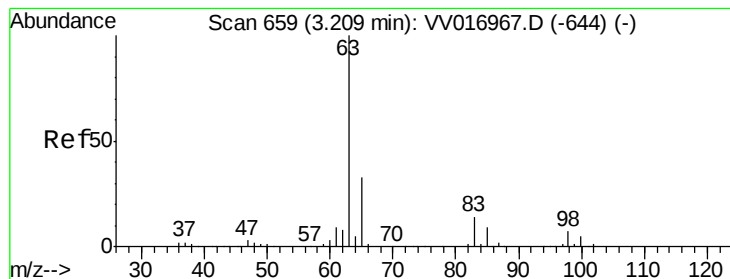
#18
Methyl tert-butyl Ether
Concen: 50.574 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 73 Resp: 415179
Ion Ratio Lower Upper
73 100
43 22.2 17.8 26.6
57 21.3 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: 49.932 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

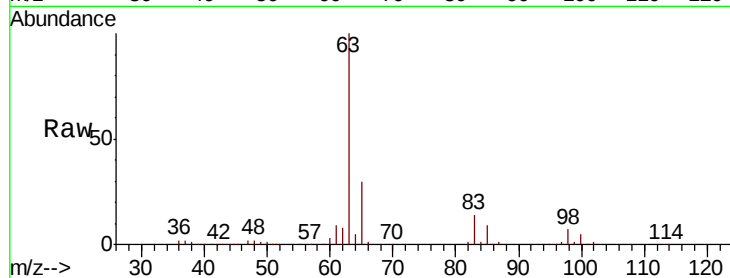
Tot Ion: 63 Resp: 232862

Ion Ratio Lower Upper

63 100

65 30.2 23.2 43.0

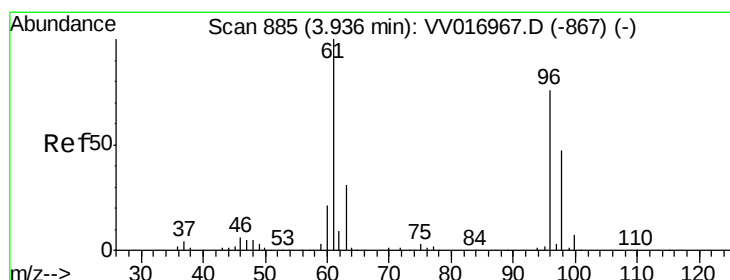
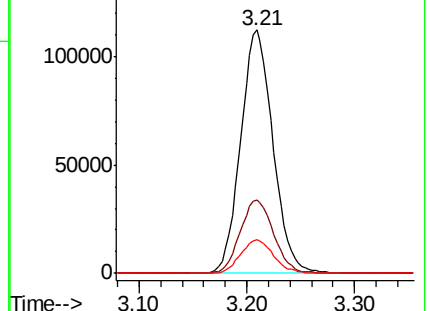
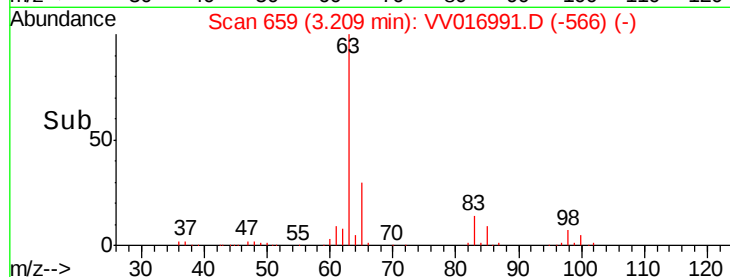
83 13.6 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV016991.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV016991.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV016991.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.877 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

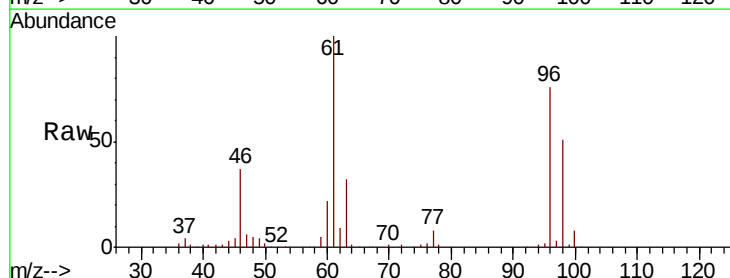
Tgt Ion: 96 Resp: 134719

Ion Ratio Lower Upper

96 100

61 132.3 93.4 173.4

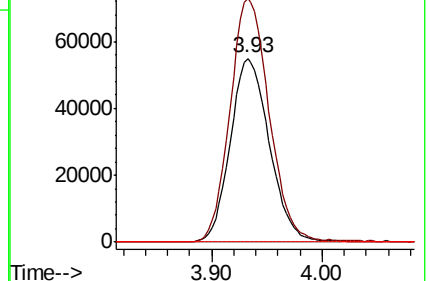
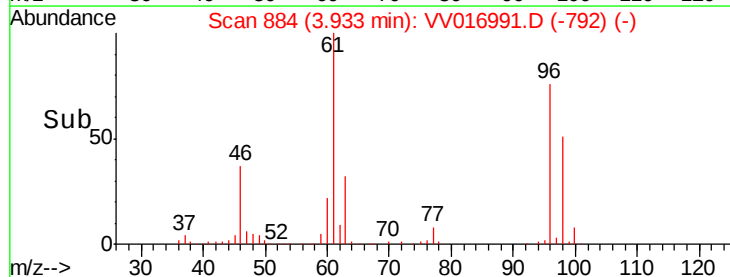
68 0.0 0.0 0.0

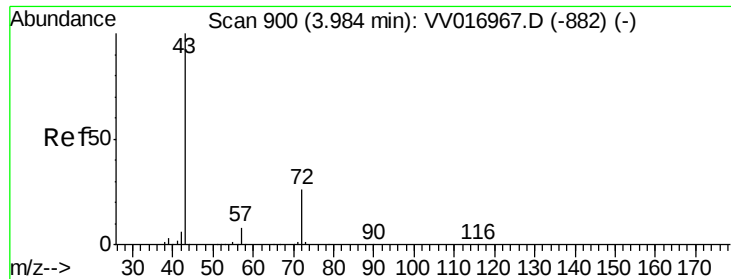


Abundance Ion 96.00 (95.70 to 96.70): VV016991.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV016991.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV016991.D (-792) (-)





#22

2-Butanone

Concen: 104.946 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

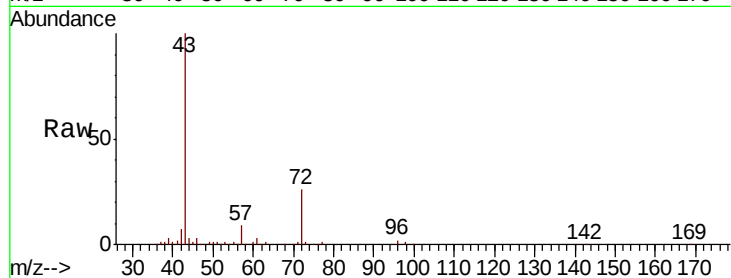
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 203880

Ion Ratio Lower Upper

43 100

72 24.7 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016991.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV016991.D (-897) (-)

3.99

80000

60000

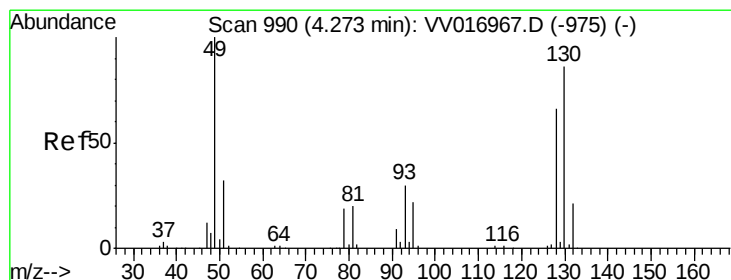
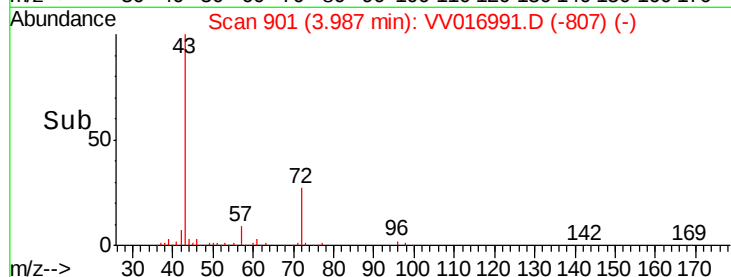
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 51.457 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Tgt Ion:128 Resp: 73215

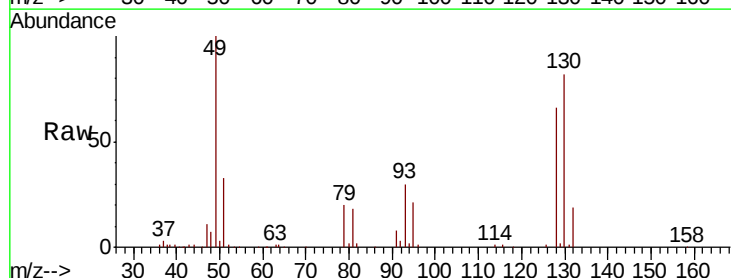
Ion Ratio Lower Upper

128 100

49 152.3 111.9 207.9

130 125.6 91.5 169.9

51 49.5 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016991.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016991.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016991.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016991.D (-897) (-)

60000

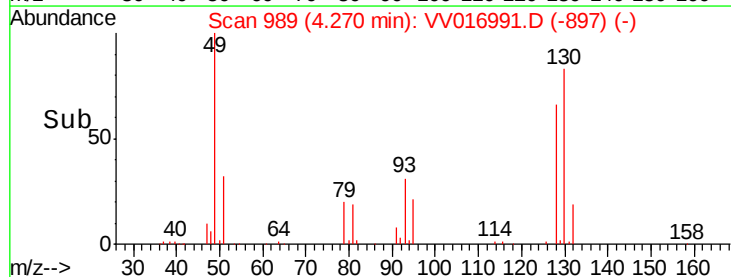
40000

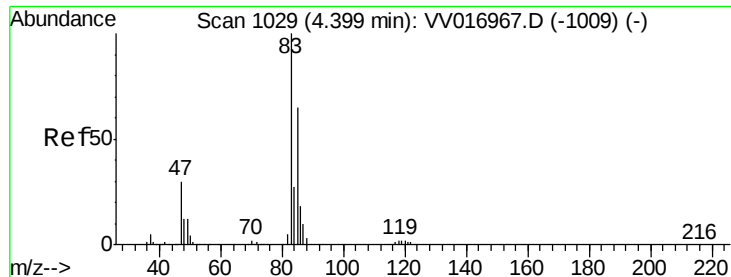
20000

0

4.20 4.30 4.40

Time-->

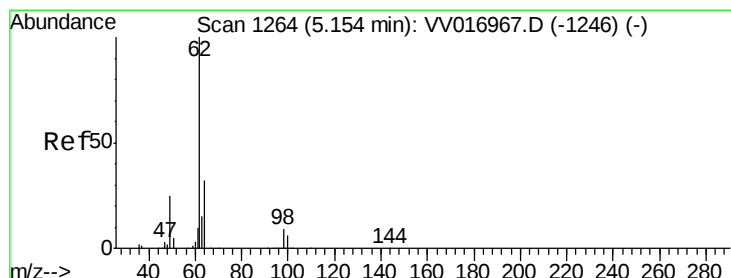
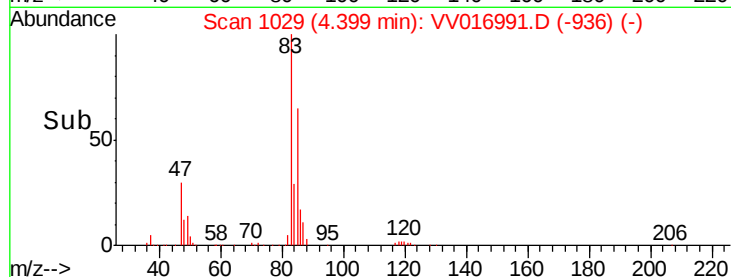
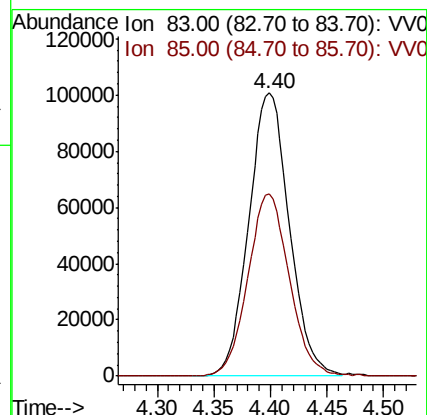
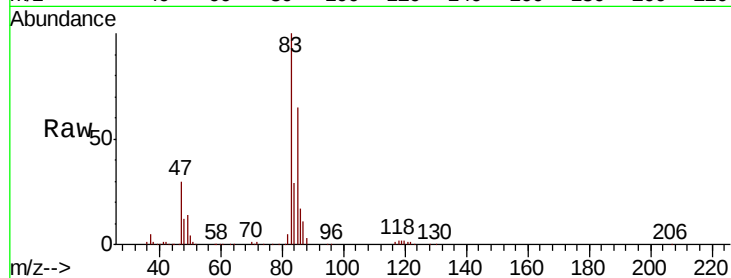




#25
Chloroform
Concen: 52.469 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

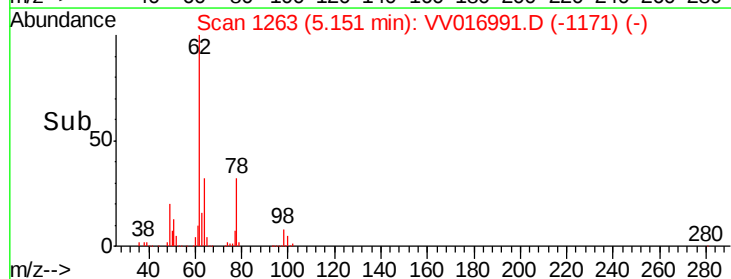
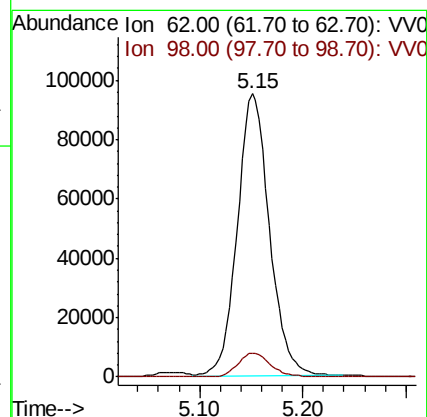
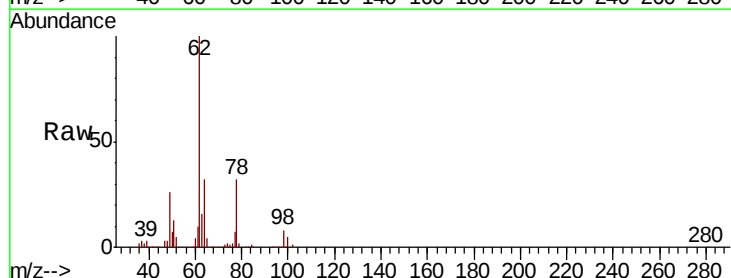
Instrument :
MSVOA_V
ClientSampleId :

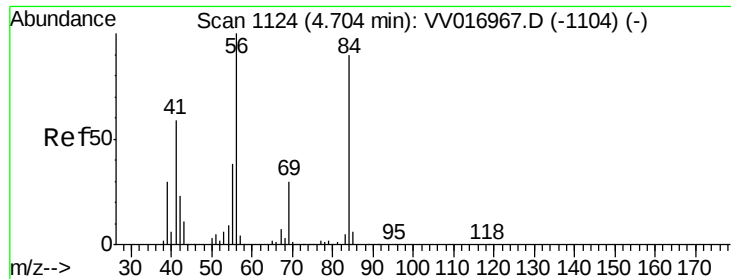
Tot Ion: 83 Resp: 251471
Ion Ratio Lower Upper
83 100
85 64.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 51.306 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 62 Resp: 206134
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2

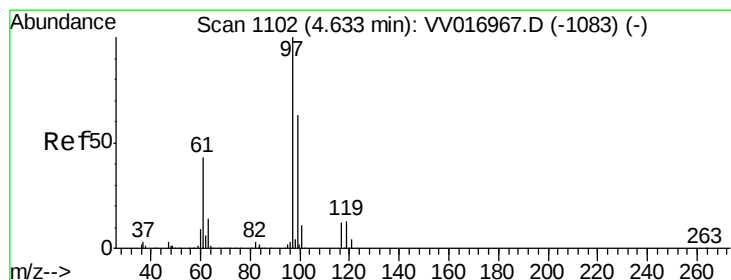
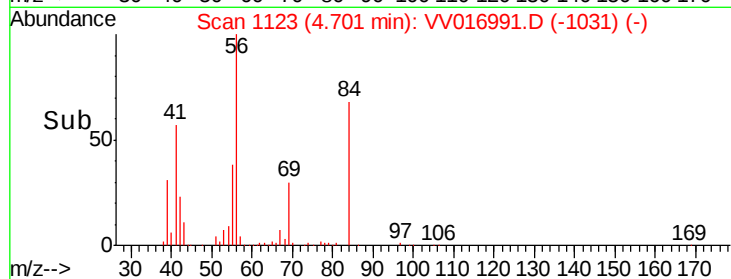
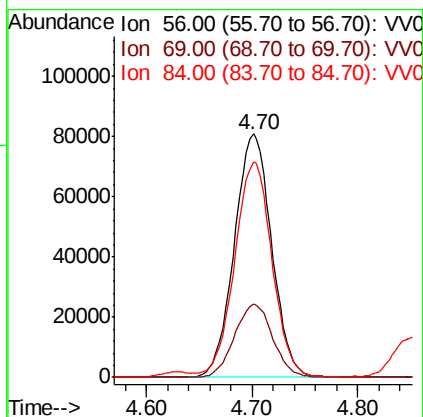
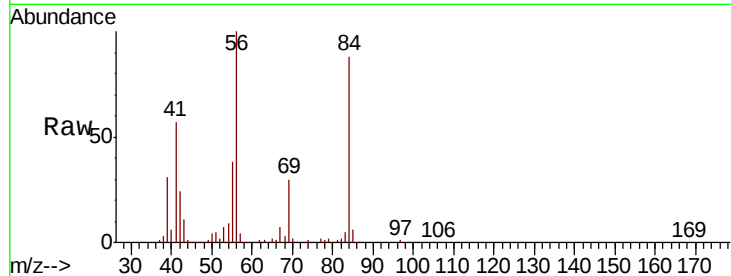




#29
Cyclohexane
Concen: 46.193 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

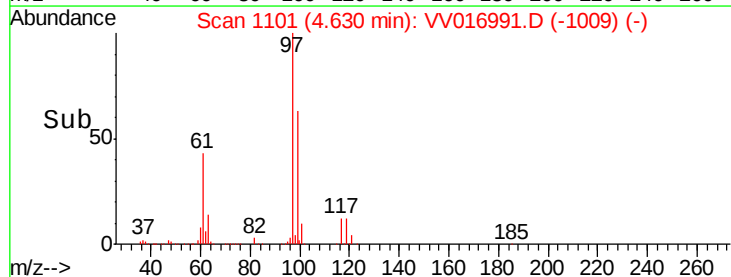
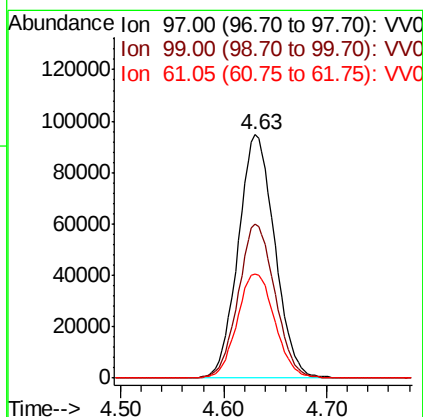
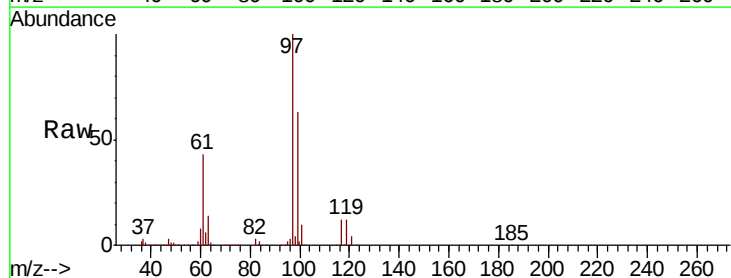
Instrument :
MSVOA_V
ClientSampled :

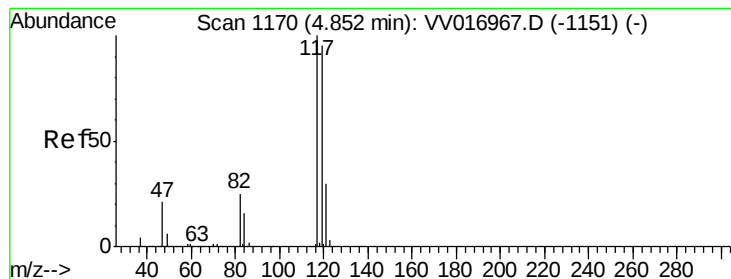
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.0	37.4
84	88.6	69.5	104.3



#30
1,1,1-Trichloroethane
Concen: 52.982 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	44.2	36.7	55.1





#31

Carbon tetrachloride

Concen: 53.996 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

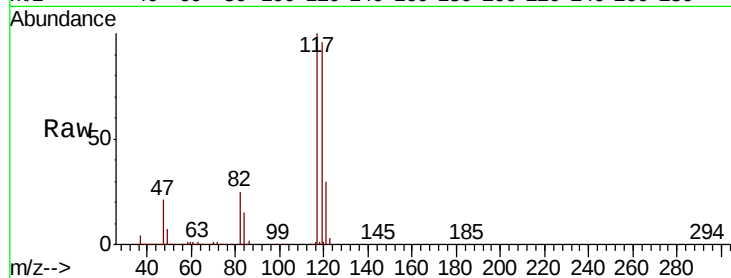
ClientSampleId :

Tot Ion:117 Resp: 205853

Ion Ratio Lower Upper

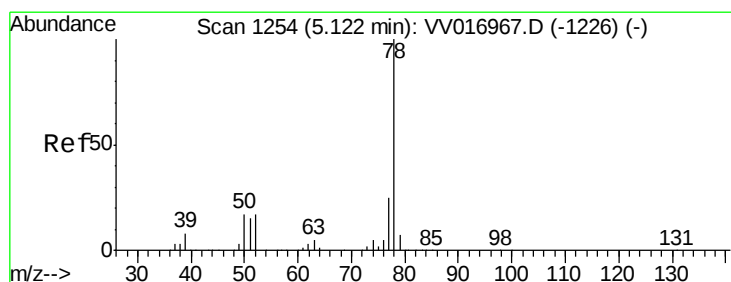
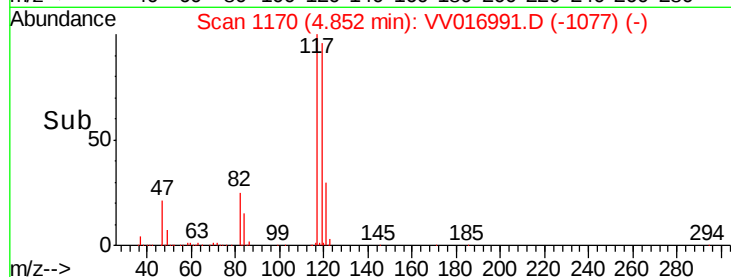
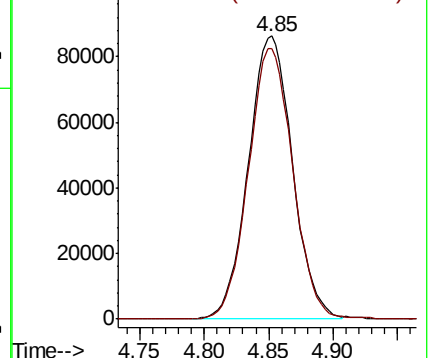
117 100

119 96.1 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: 49.543 ug/L

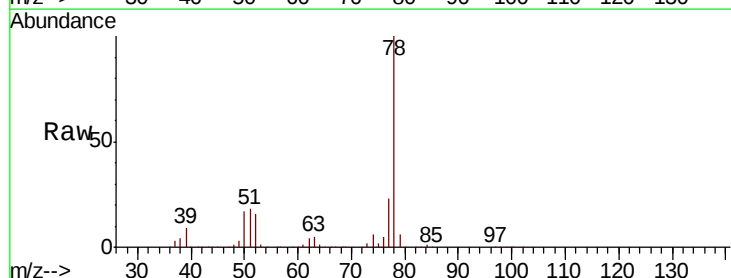
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

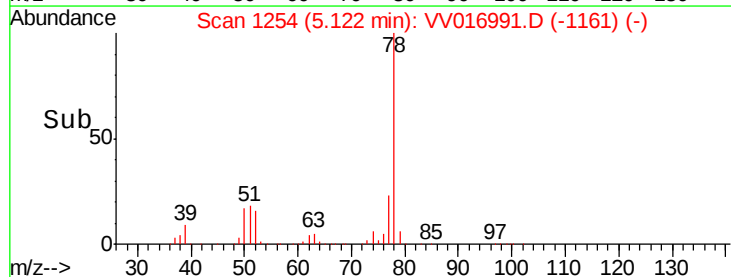
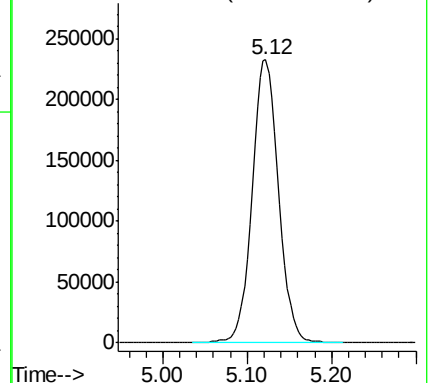
Lab File: VV016991.D

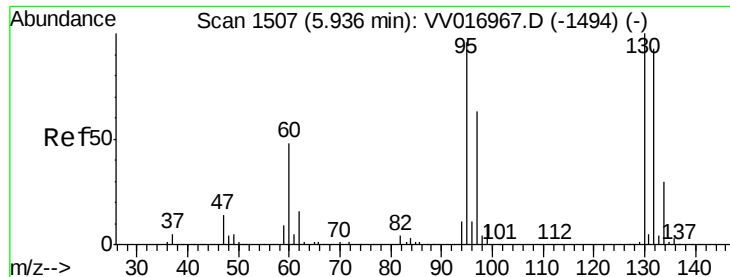
Acq: 19 Jun 2020 09:38

Tgt Ion: 78 Resp: 506531



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.138 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 140222

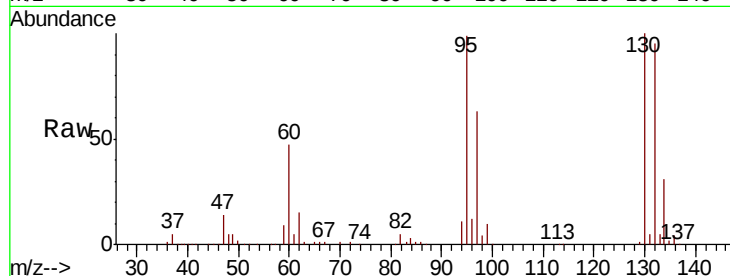
Ion Ratio Lower Upper

95 100

97 63.5 44.3 82.3

132 96.3 67.9 126.1

130 101.3 72.2 134.2

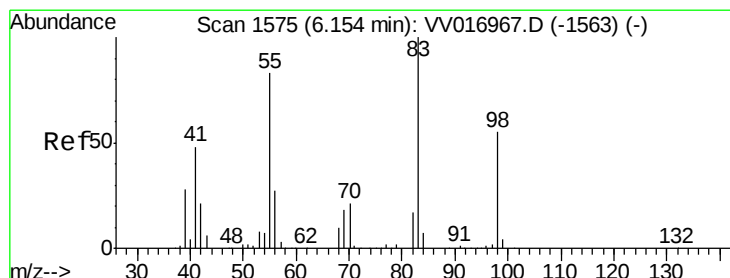
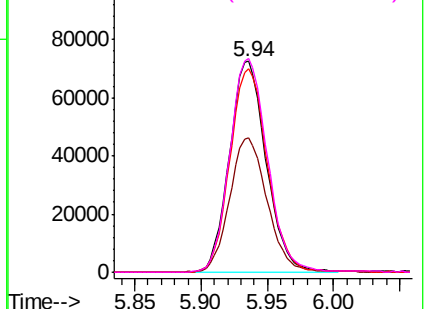
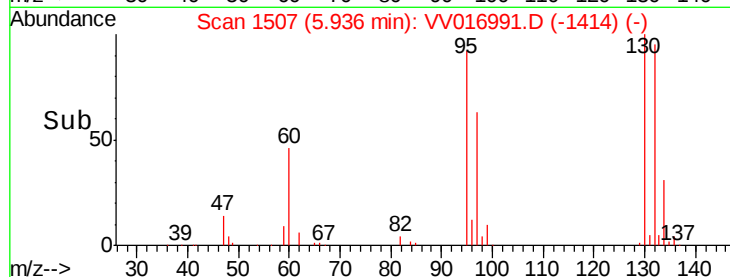


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 48.390 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

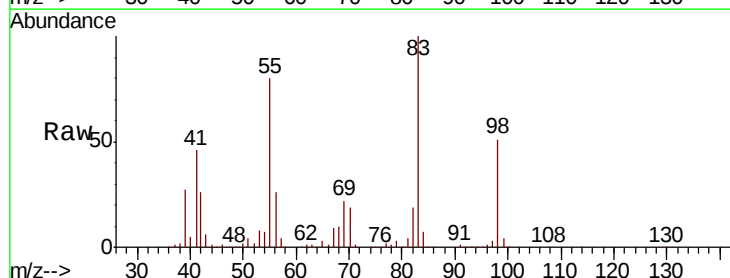
Tgt Ion: 83 Resp: 208160

Ion Ratio Lower Upper

83 100

55 78.5 64.2 96.2

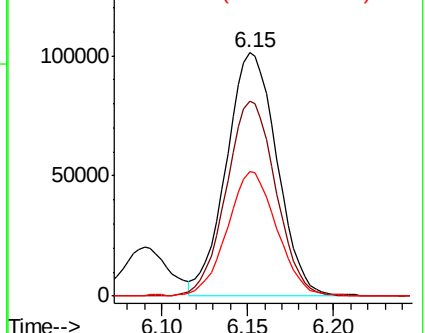
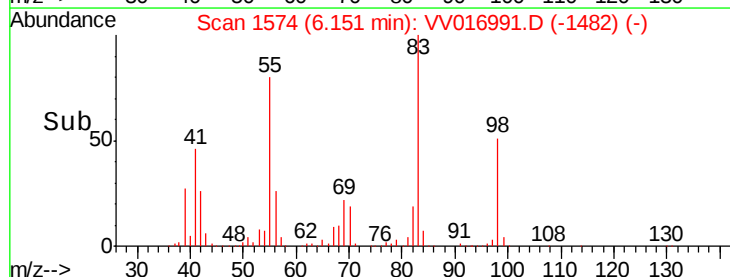
98 49.3 40.3 60.5

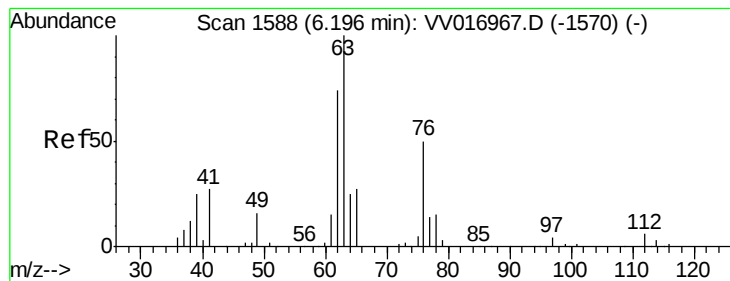


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.418 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

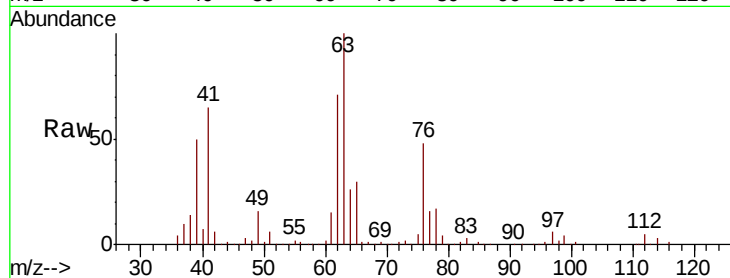
ClientSampleId :

Tot Ion: 63 Resp: 131394

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV016967.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV016967.D (-1570) (-)

6.19

60000

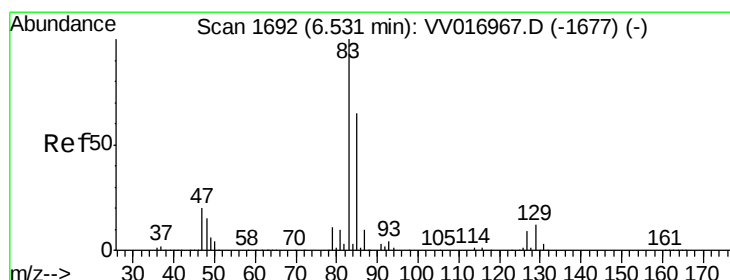
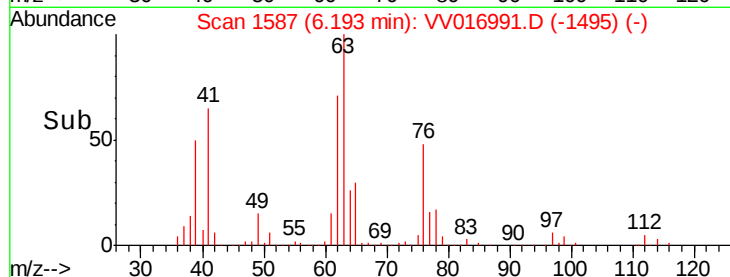
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 52.102 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

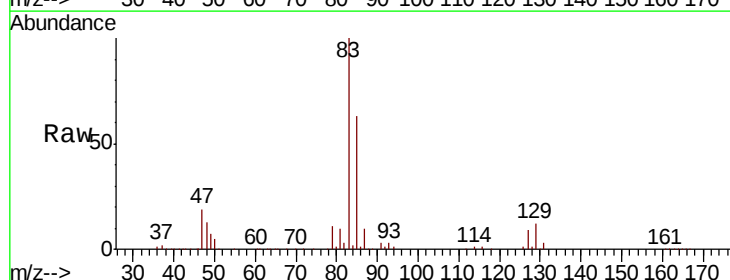
Tgt Ion: 83 Resp: 184412

Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.5

127 9.1 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV016967.D (-1677) (-)

Ion 85.00 (84.70 to 85.70): VV016967.D (-1677) (-)

Ion 127.00 (126.70 to 127.70): VV016967.D (-1677) (-)

6.53

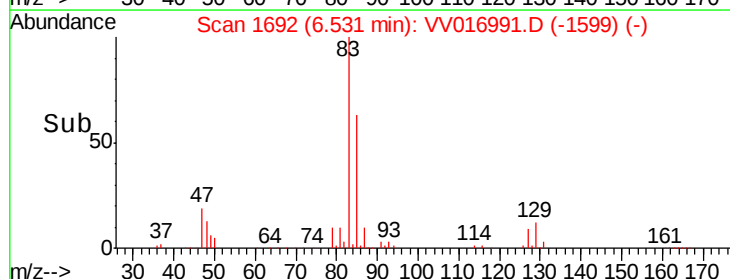
100000

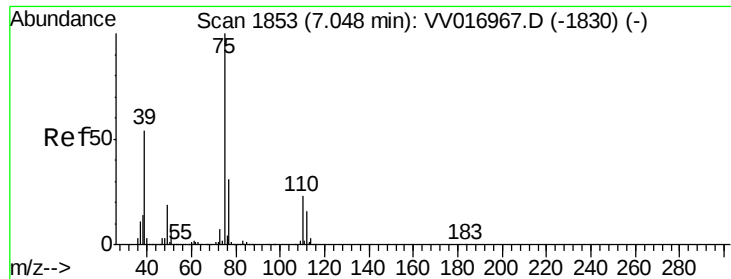
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



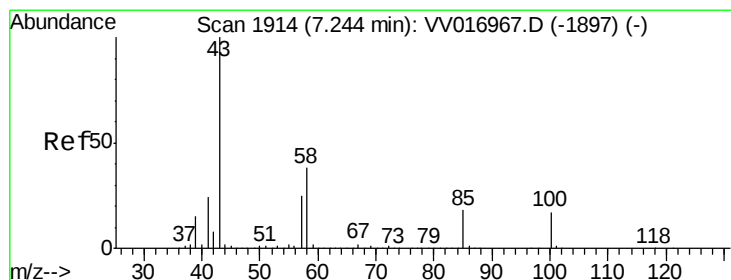
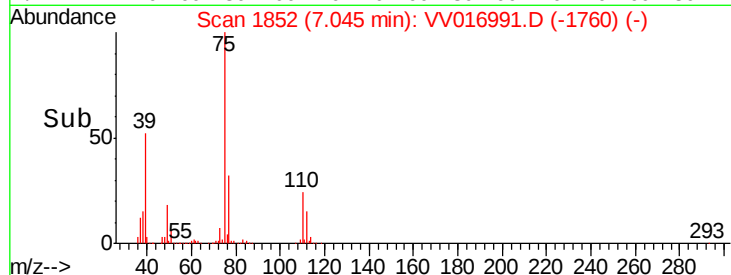
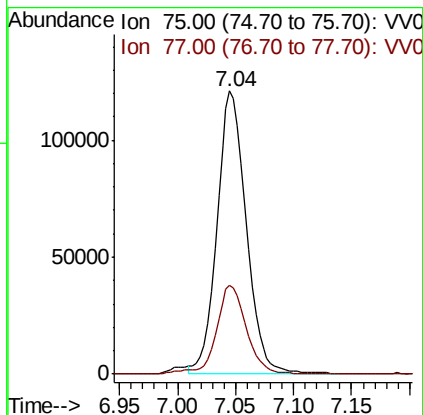
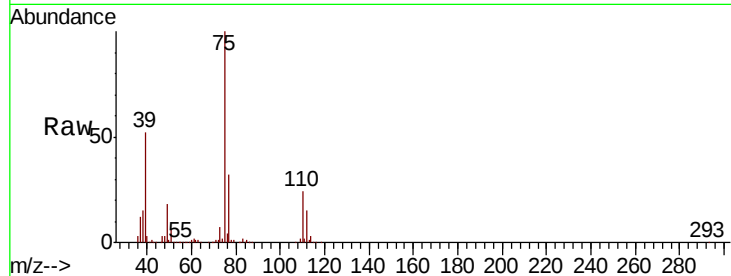


#39

cis-1,3-Dichloropropene
 Concen: 51.435 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Instrument :
 MSVOA_V
 ClientSampleId :

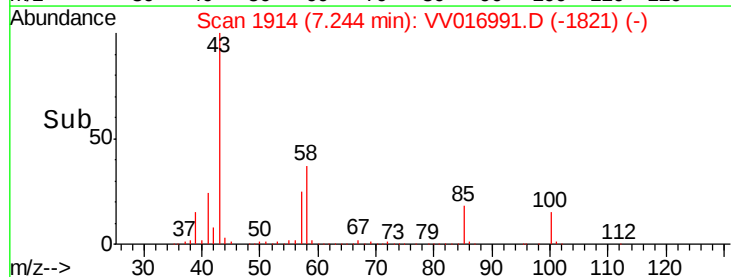
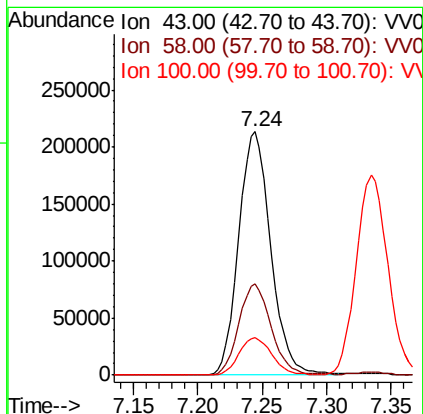
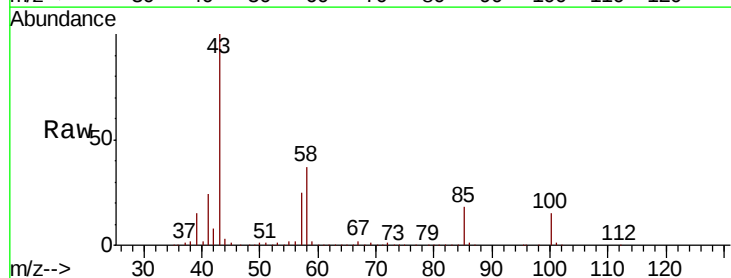
Tot Ion: 75 Resp: 212431
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.7 42.1

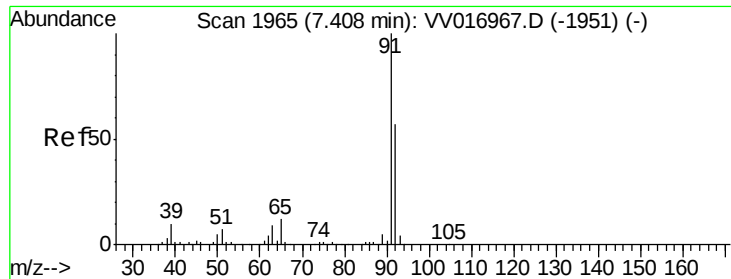


#40

4-Methyl-2-pentanone
 Concen: 98.163 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion: 43 Resp: 369843
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.4
 100 15.8 12.3 18.5





#42

Toluene

Concen: 50.170 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

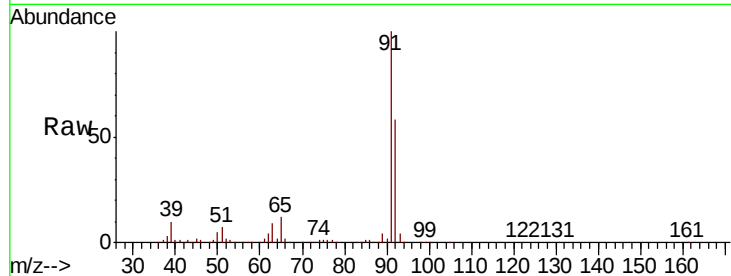
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 540733

Ion Ratio Lower Upper

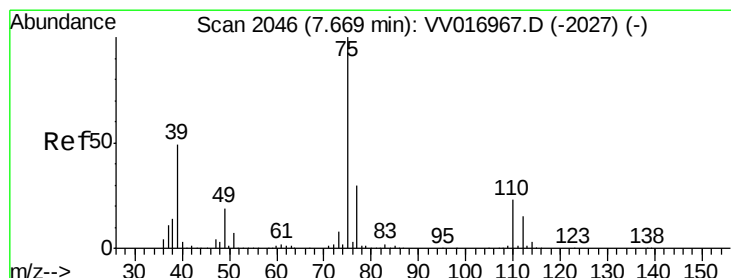
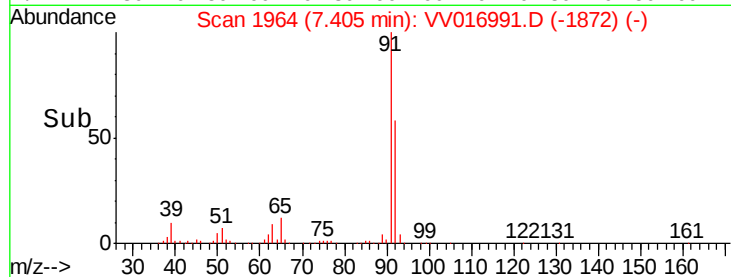
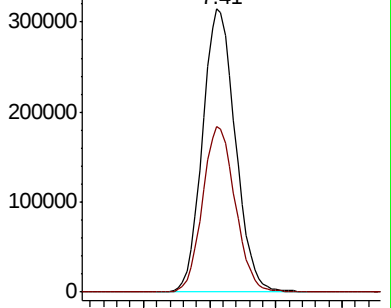
91 100

92 58.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 52.689 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016991.D

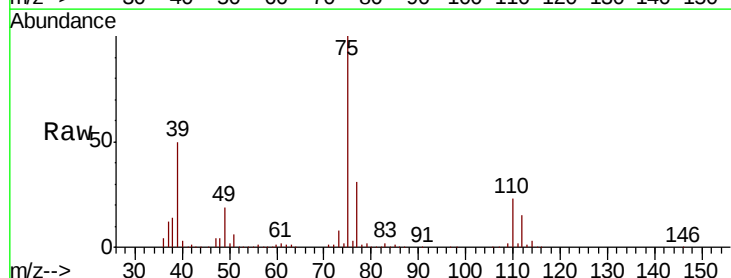
Acq: 19 Jun 2020 09:38

Tgt Ion: 75 Resp: 211557

Ion Ratio Lower Upper

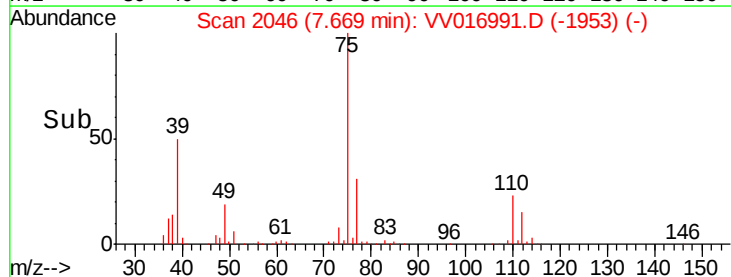
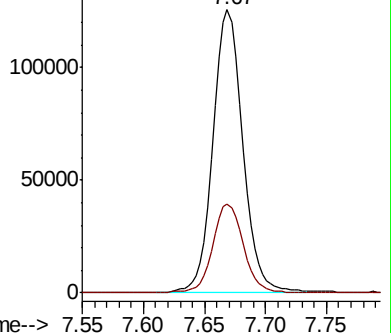
75 100

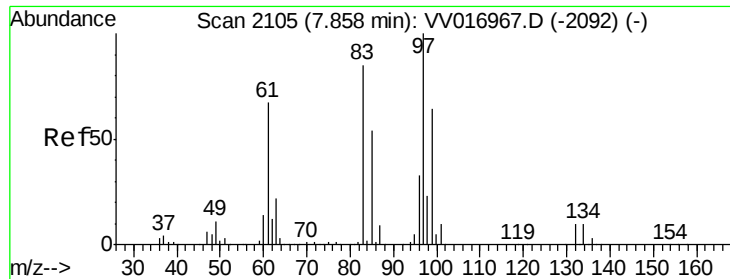
77 31.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

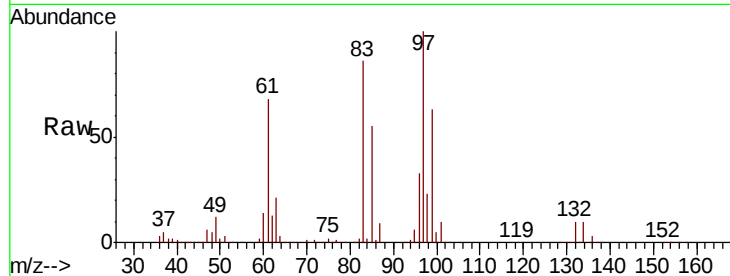




#45
1,1,2-Trichloroethane
Concen: 49.760 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	127644
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.3	82.3
83	85.8	60.0	111.4
85	55.4	39.5	73.3



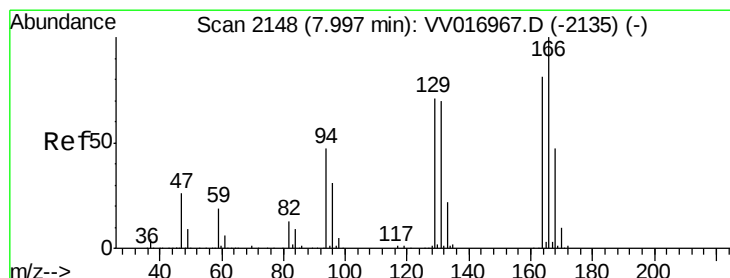
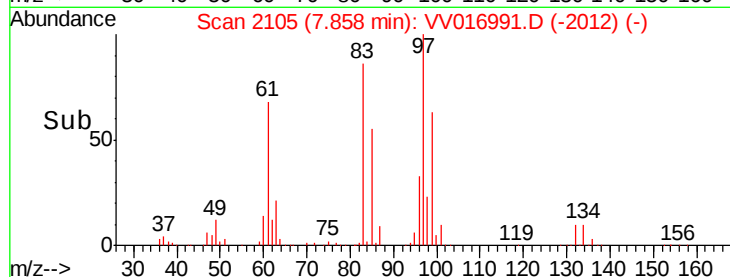
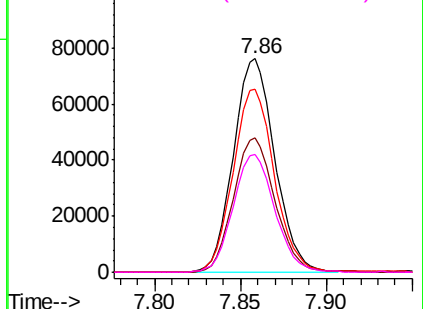
Abundance

Ion 97.00 (96.70 to 97.70): VV016991.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV016991.D (-2092) (-)

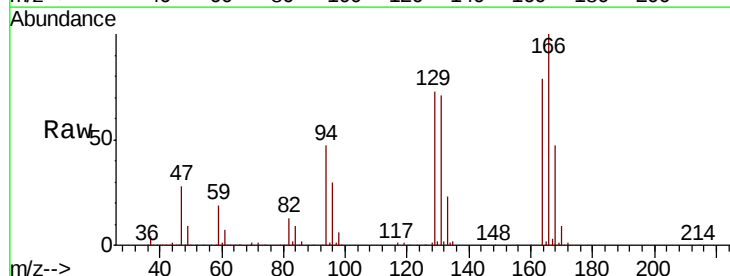
Ion 83.00 (82.70 to 83.70): VV016991.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV016991.D (-2092) (-)



#46
Tetrachloroethene
Concen: 51.933 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion:	164	Resp:	111996
Ion	Ratio	Lower	Upper
164	100		
129	92.1	67.0	124.4
131	90.1	64.8	120.3
166	126.7	90.4	167.8



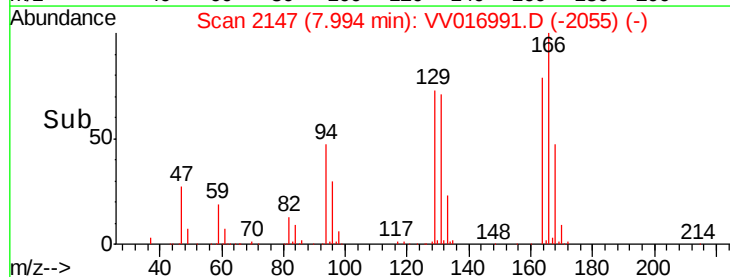
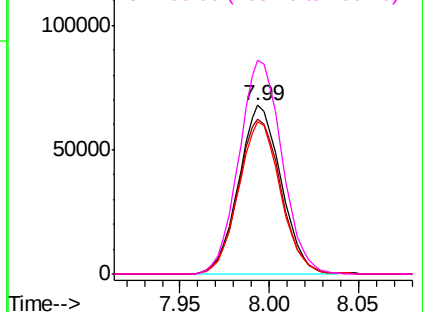
Abundance

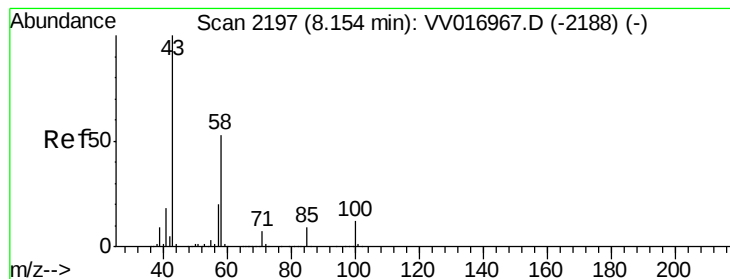
Ion 164.00 (163.70 to 164.70): VV016991.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV016991.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV016991.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV016991.D (-2135) (-)





#48

2-Hexanone

Concen: 100.718 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 294227

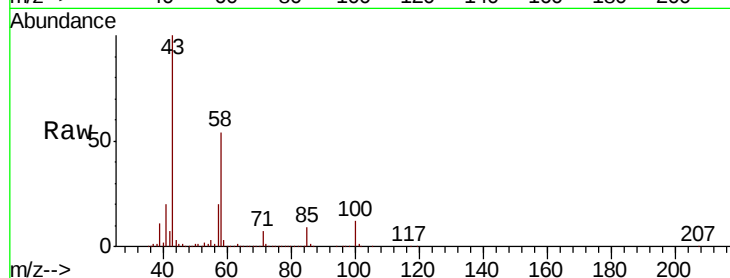
Ion Ratio Lower Upper

43 100

58 52.3 43.1 64.7

57 19.8 15.3 22.9

100 12.2 10.0 15.0

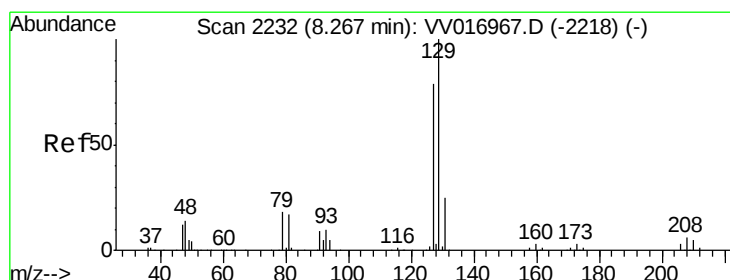
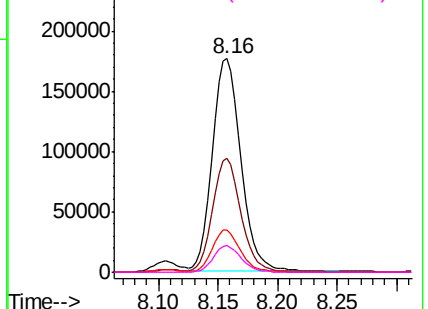
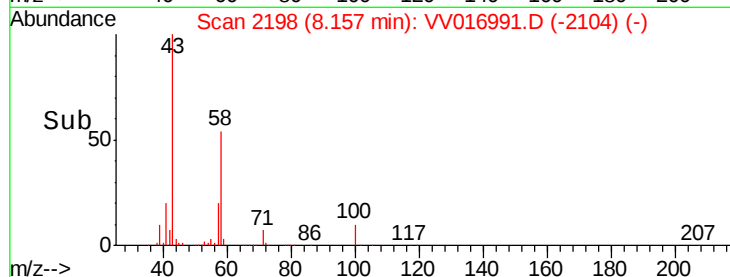


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 53.795 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016991.D

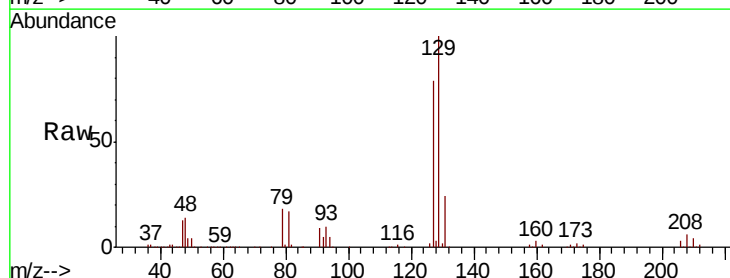
Acq: 19 Jun 2020 09:38

Tgt Ion:129 Resp: 147544

Ion Ratio Lower Upper

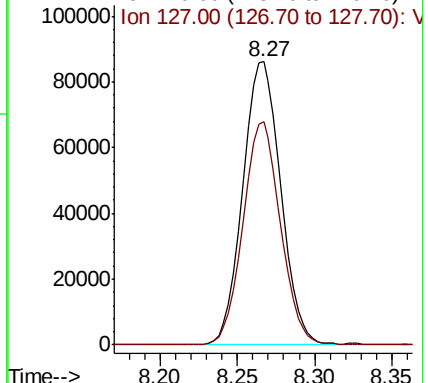
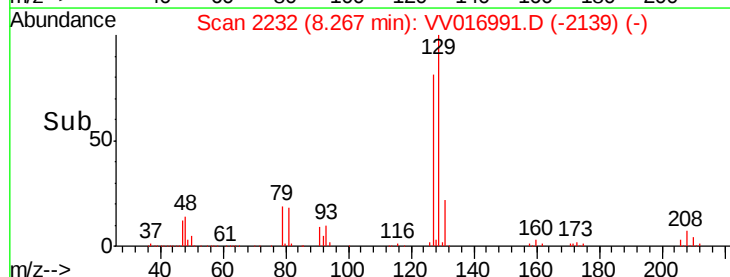
129 100

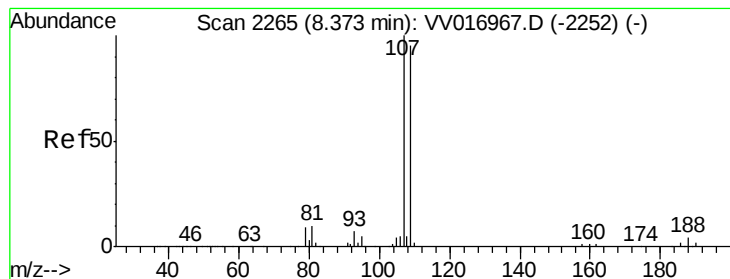
127 78.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 50.189 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :
MSVOA_V
ClientSampled :

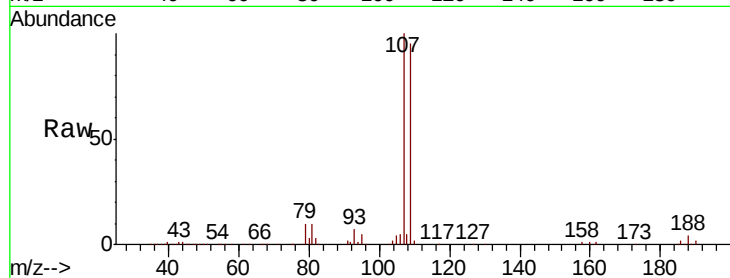
Tot Ion:107 Resp: 134819

Ion Ratio Lower Upper

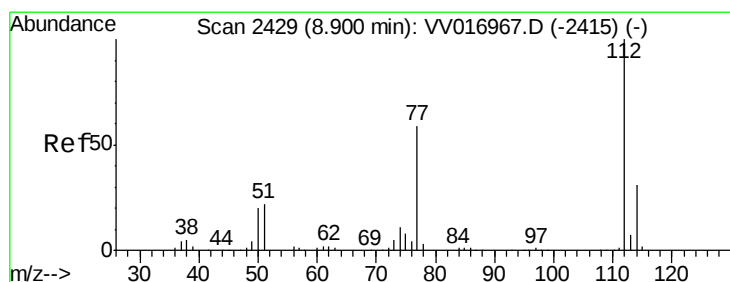
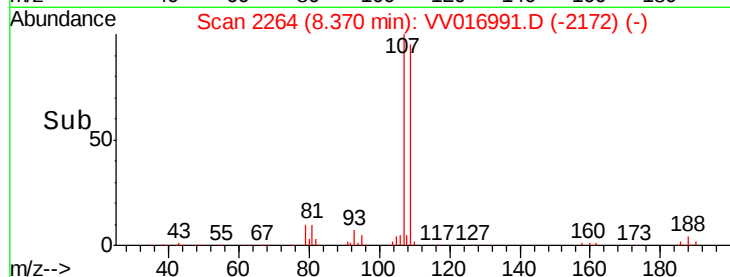
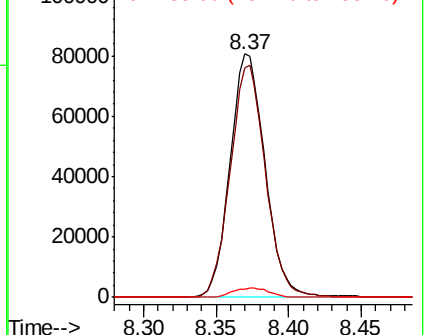
107 100

109 94.5 66.4 123.2

188 3.7 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: 50.898 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

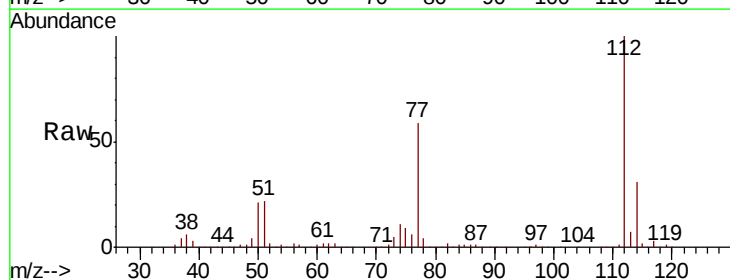
Tgt Ion:112 Resp: 357906

Ion Ratio Lower Upper

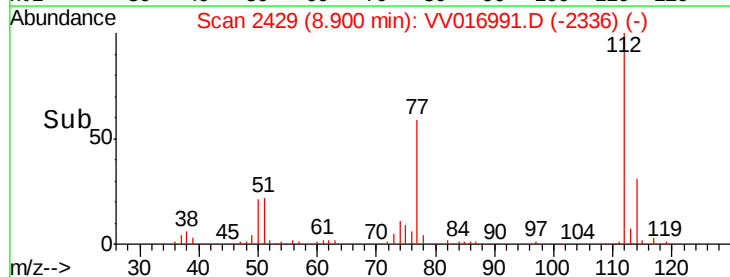
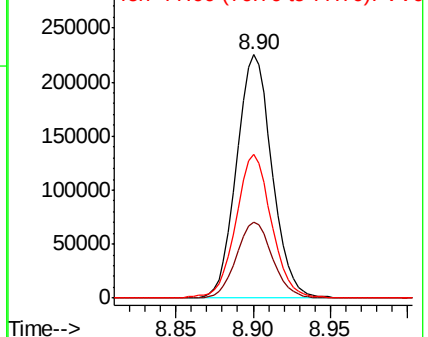
112 100

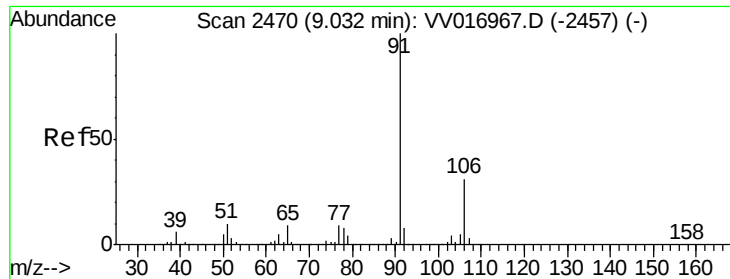
114 31.2 22.3 41.3

77 58.9 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

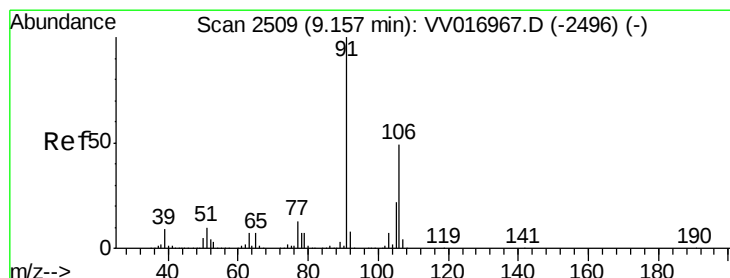
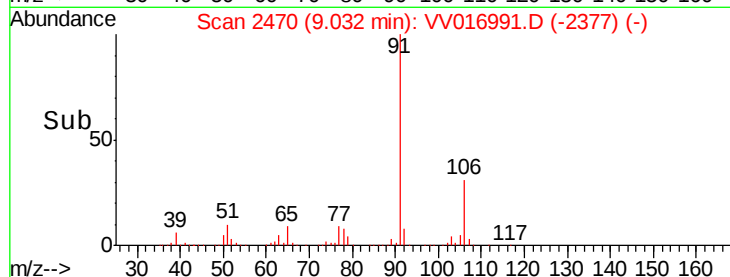
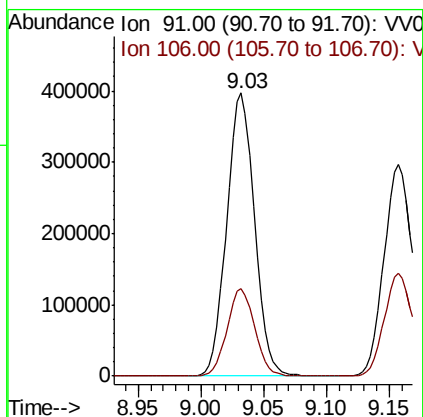
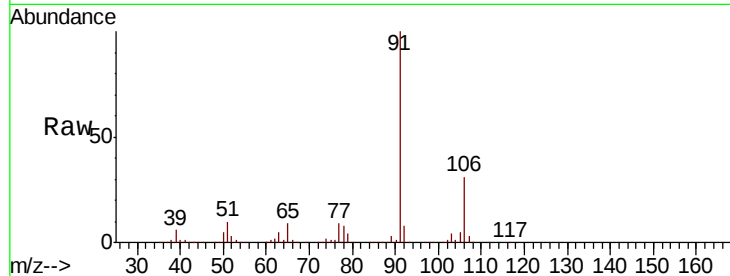




#52
Ethylbenzene
Concen: 51.258 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

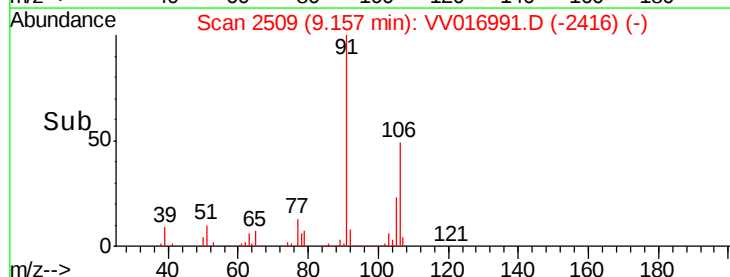
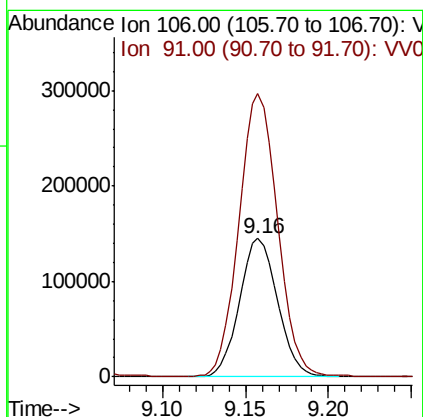
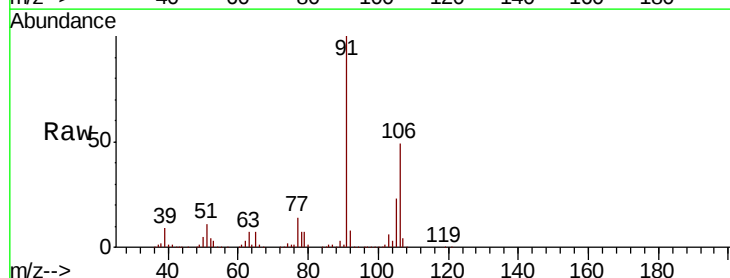
Instrument :
MSVOA_V
ClientSampled :

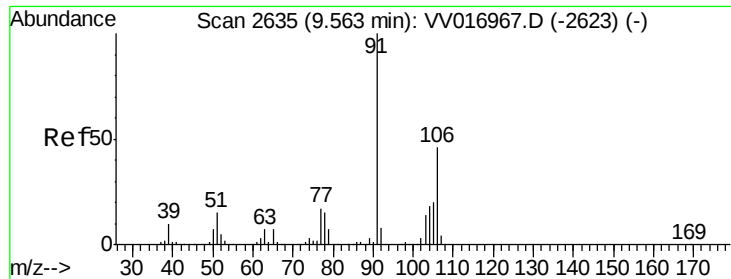
Tot Ion: 91 Resp: 611919
Ion Ratio Lower Upper
91 100
106 31.0 21.1 39.1



#53
m,p-Xylene
Concen: 52.198 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV016991.D
Acq: 19 Jun 2020 09:38

Tgt Ion: 106 Resp: 232016
Ion Ratio Lower Upper
106 100
91 204.5 144.6 268.6





#54

o-xylene

Concen: 50.929 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

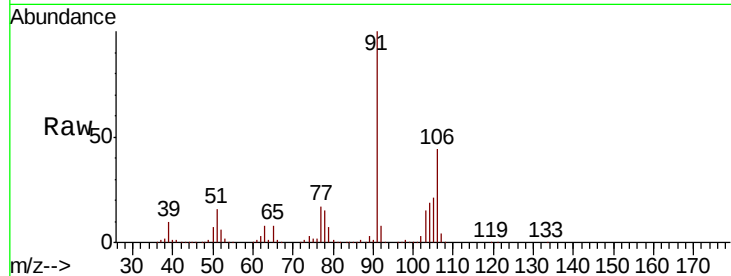
ClientSampled :

Tot Ion:106 Resp: 223263

Ion Ratio Lower Upper

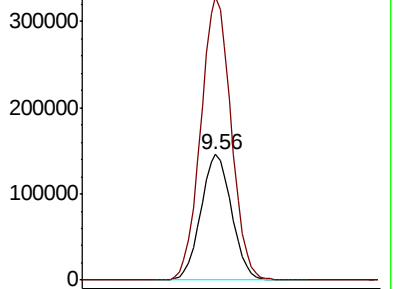
106 100

91 225.7 155.9 289.5

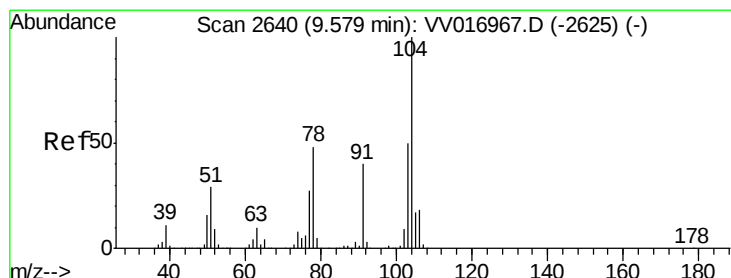
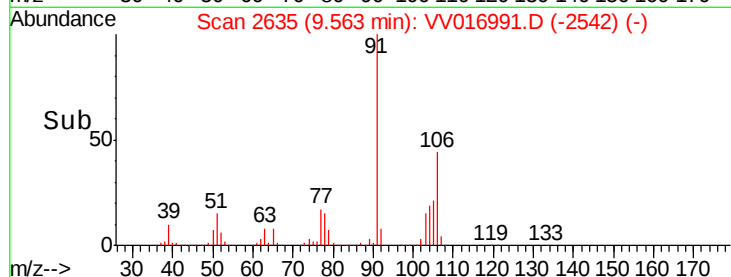


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 53.121 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV016991.D

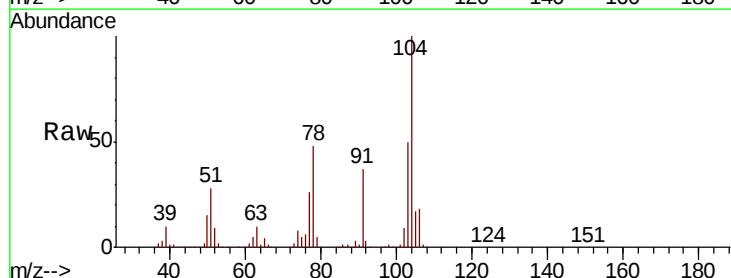
Acq: 19 Jun 2020 09:38

Tgt Ion:104 Resp: 393715

Ion Ratio Lower Upper

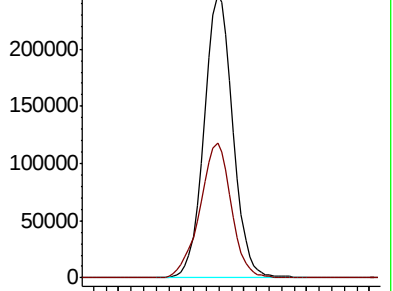
104 100

78 47.6 32.6 60.6

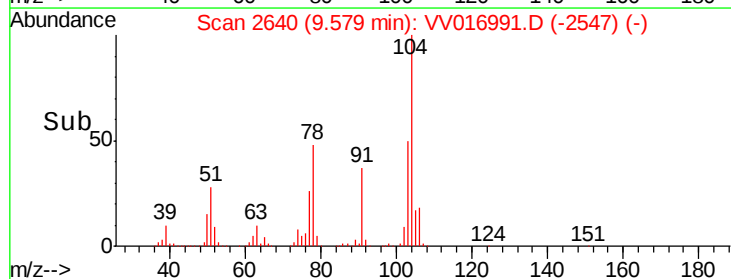


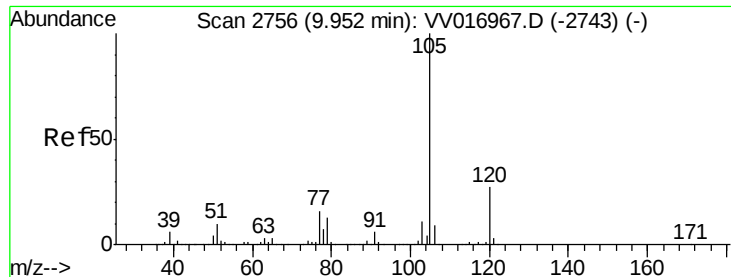
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 52.790 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

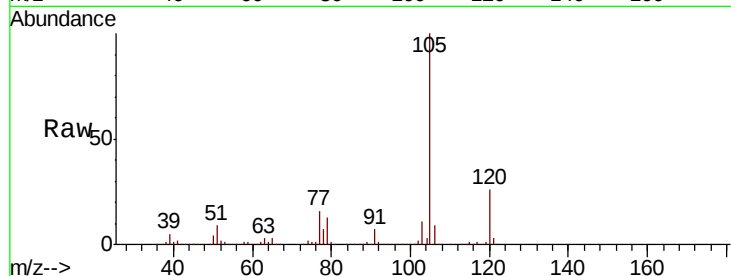
Tot Ion:105 Resp: 621824

Ion Ratio Lower Upper

105 100

120 25.9 21.2 31.8

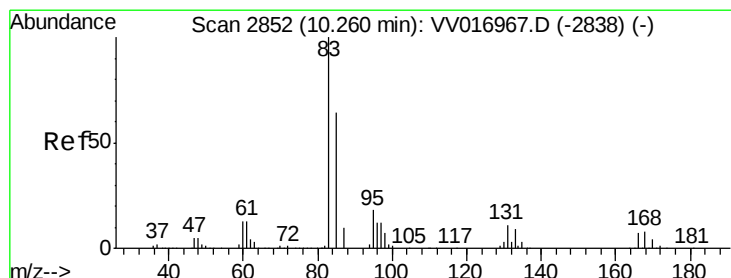
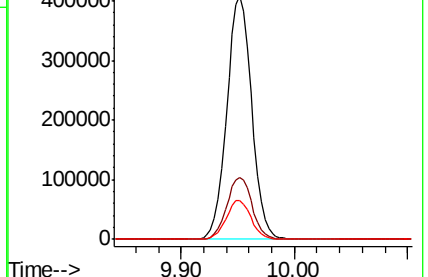
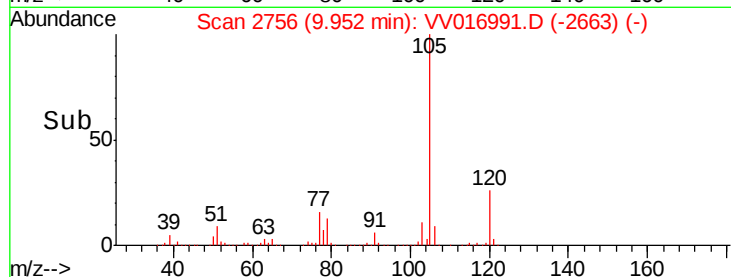
77 16.0 13.0 19.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.934 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

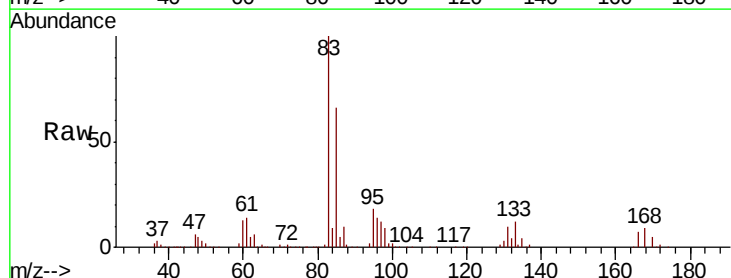
Tgt Ion: 83 Resp: 184591

Ion Ratio Lower Upper

83 100

85 66.4 46.8 86.8

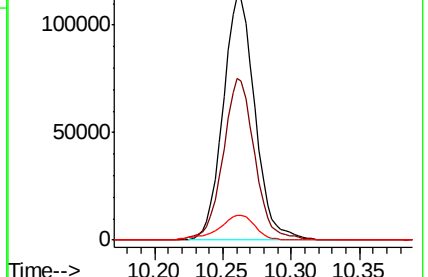
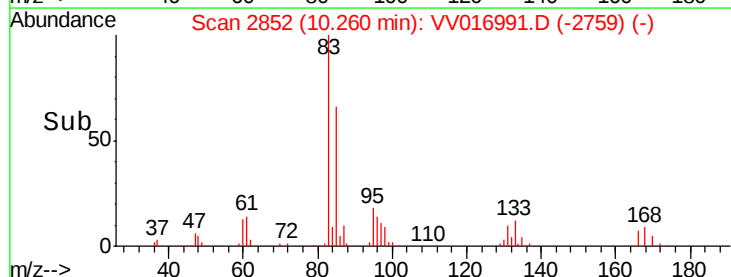
131 9.9 7.9 11.9

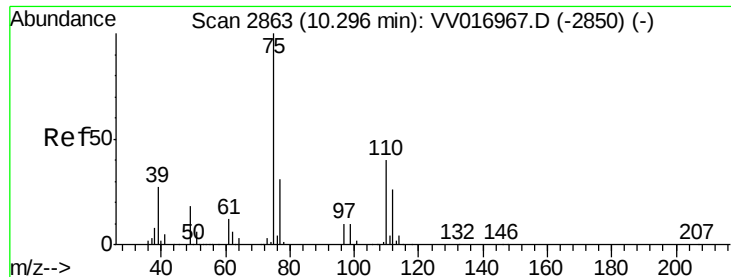


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

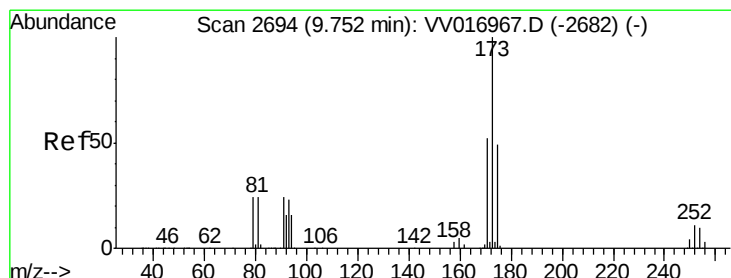
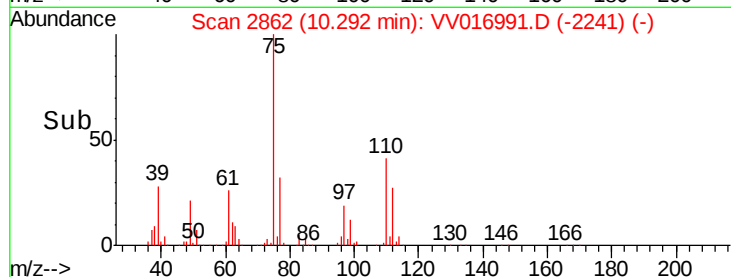
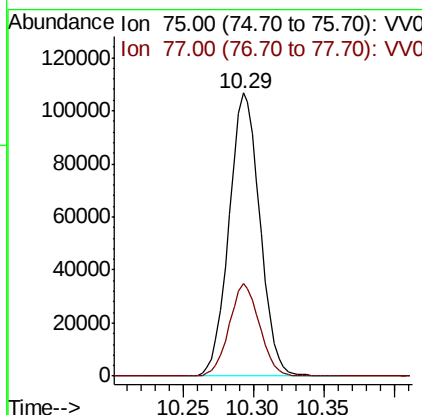
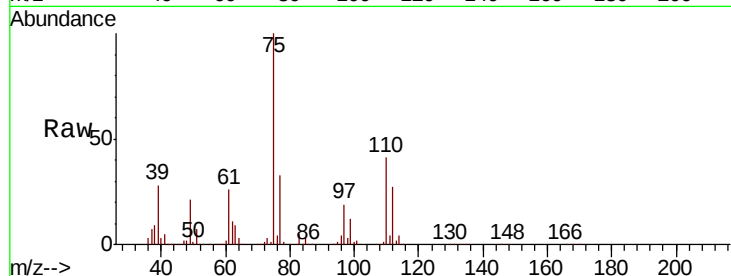




#59
 1,2,3-Trichloropropane
 Concen: 49.628 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

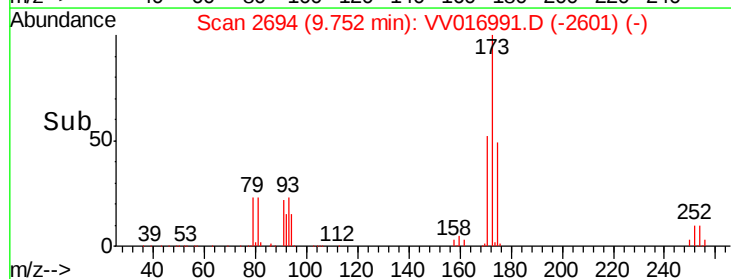
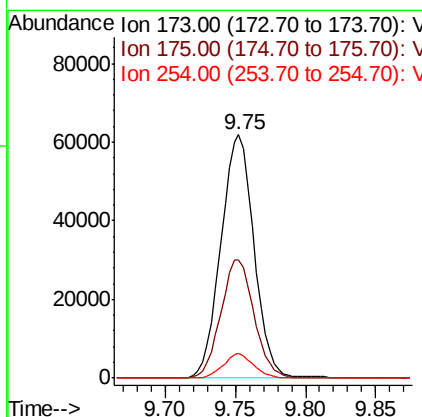
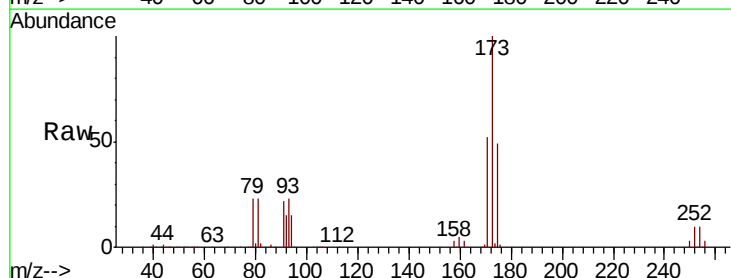
Instrument :
 MSVOA_V
 ClientSampleId :

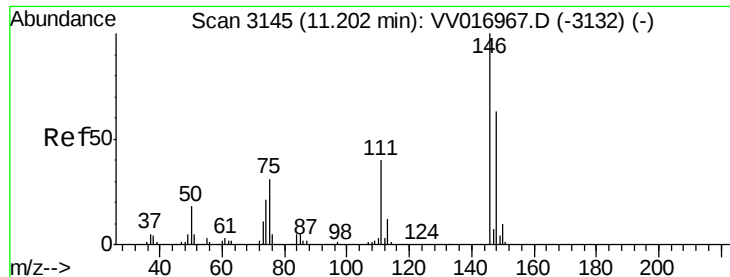
Tot Ion: 75 Resp: 163716
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.1 39.1



#61
 Bromoform
 Concen: 53.805 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV016991.D
 Acq: 19 Jun 2020 09:38

Tgt Ion: 173 Resp: 101305
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 9.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 51.075 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

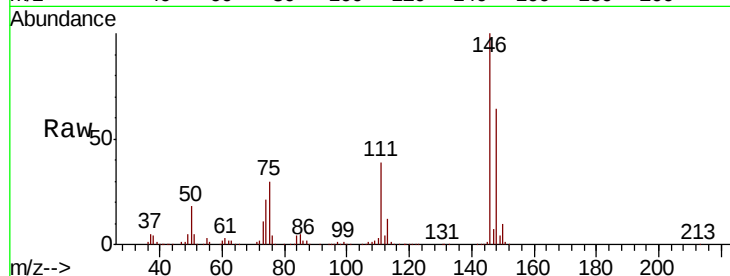
Tot Ion:146 Resp: 296124

Ion Ratio Lower Upper

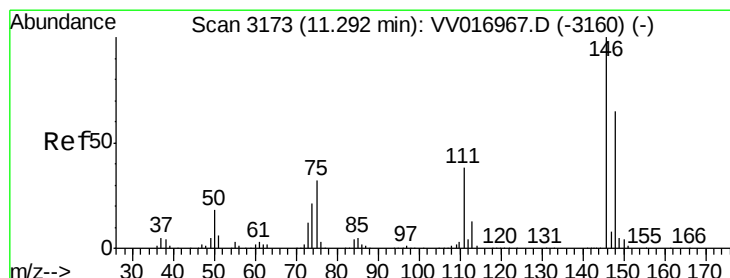
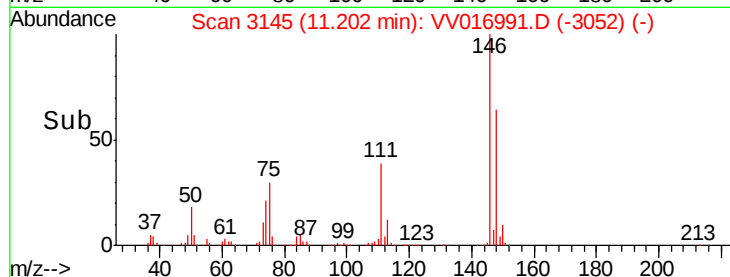
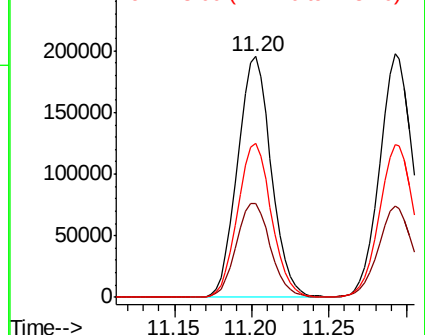
146 100

111 38.9 28.3 52.7

148 63.9 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: 50.853 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

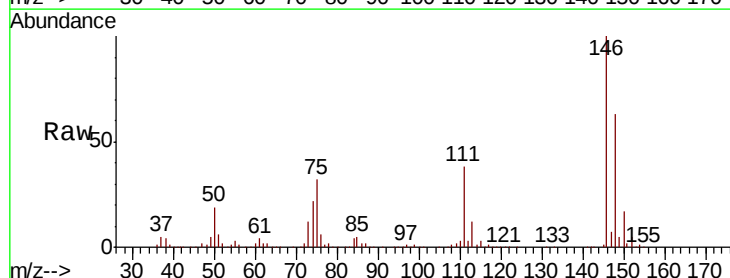
Tgt Ion:146 Resp: 299984

Ion Ratio Lower Upper

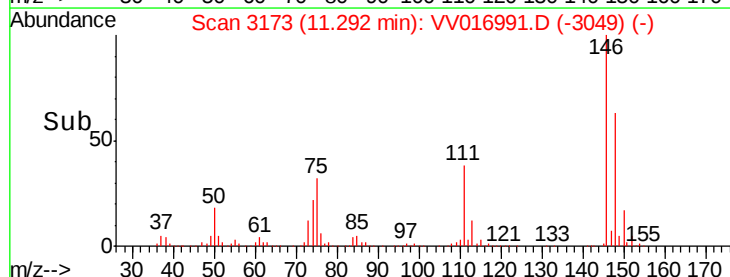
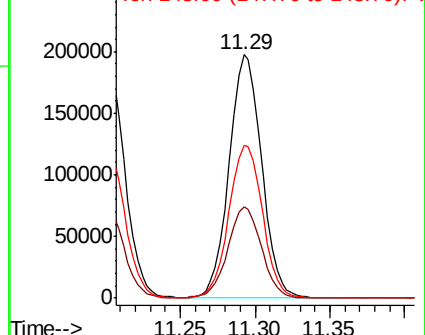
146 100

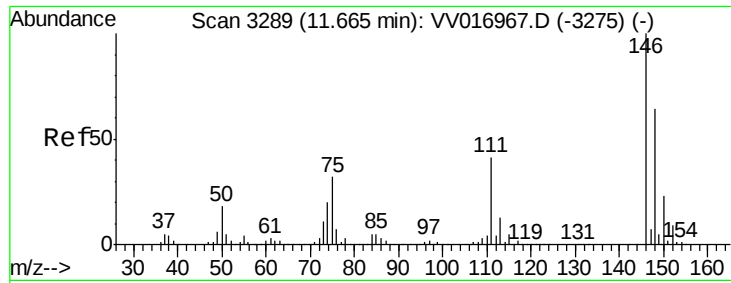
111 37.7 26.7 49.7

148 62.9 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: 51.424 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

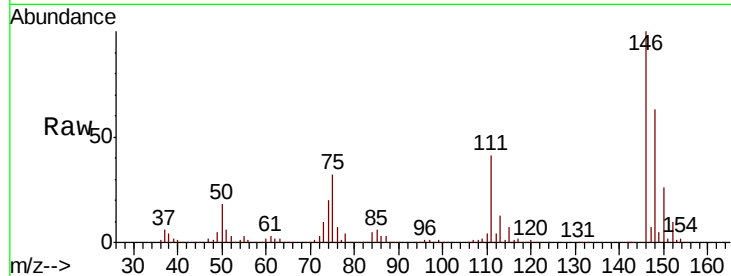
Tot Ion:146 Resp: 298787

Ion Ratio Lower Upper

146 100

111 41.2 33.7 50.5

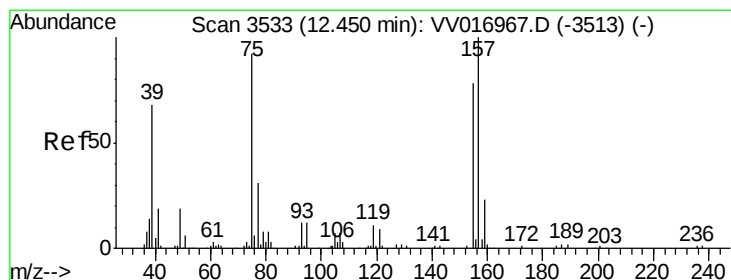
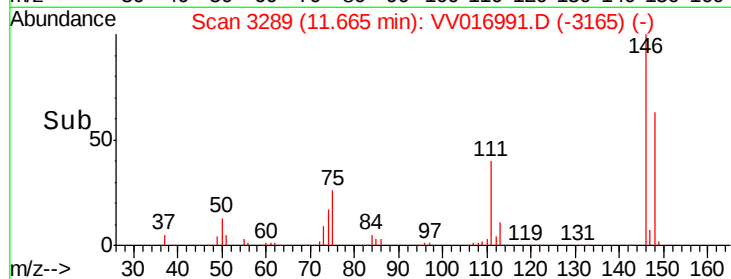
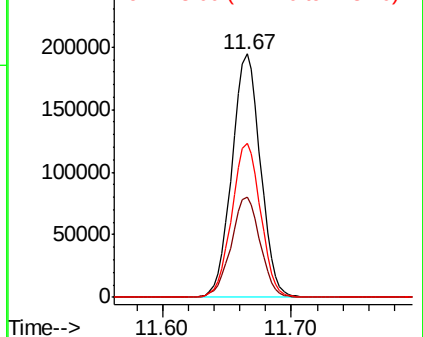
148 63.1 50.7 76.1



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: 45.784 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

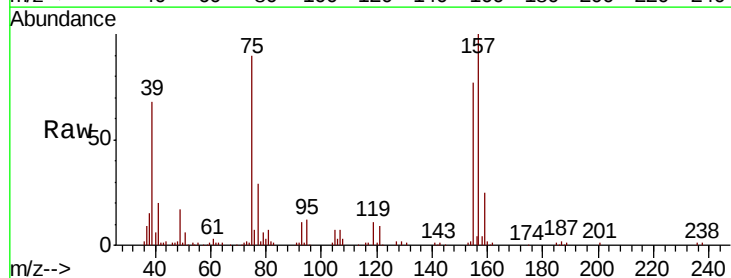
Tgt Ion: 75 Resp: 41829

Ion Ratio Lower Upper

75 100

155 85.7 69.8 104.6

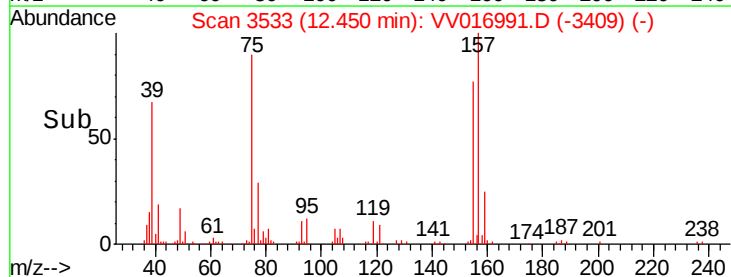
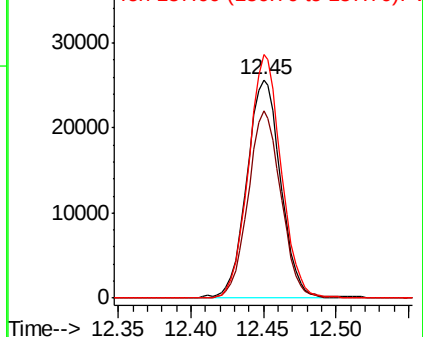
157 111.6 83.4 125.2

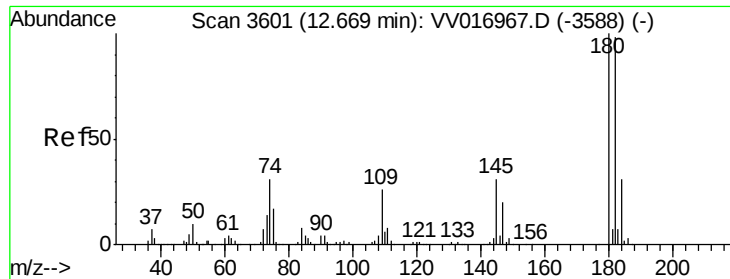


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 51.774 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 223838

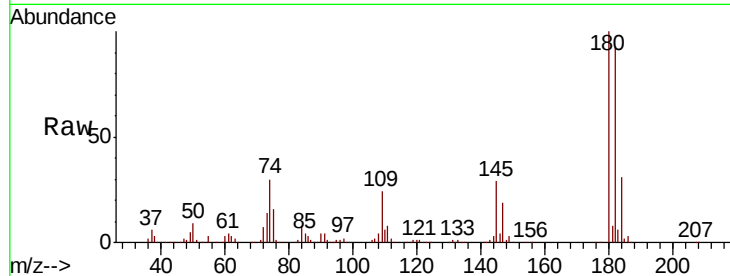
Ion Ratio Lower Upper

180 100

182 96.1 75.0 112.6

184 30.7 24.5 36.7

145 29.9 24.4 36.6

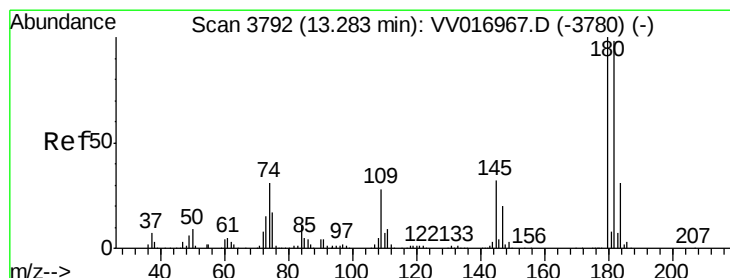
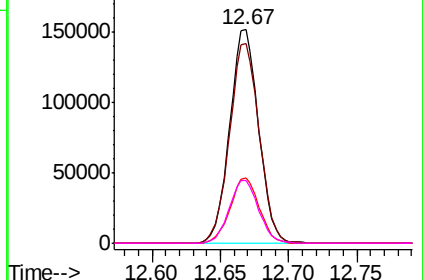
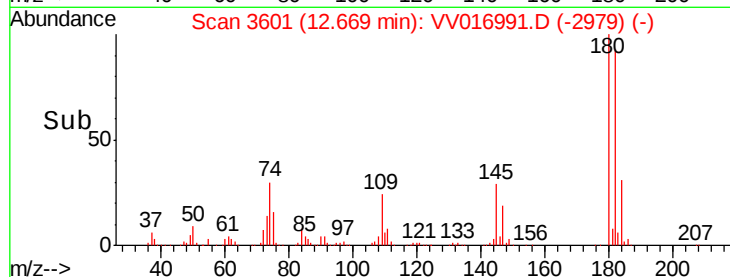


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 50.389 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

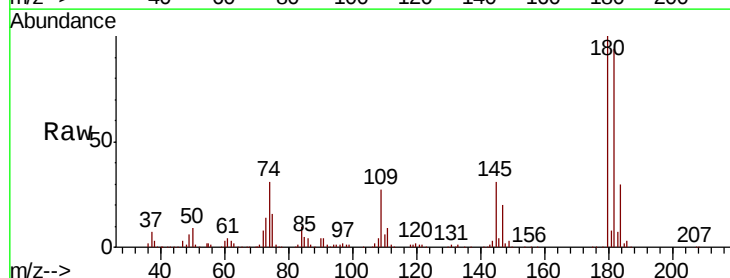
Tgt Ion:180 Resp: 199822

Ion Ratio Lower Upper

180 100

182 95.4 76.9 115.3

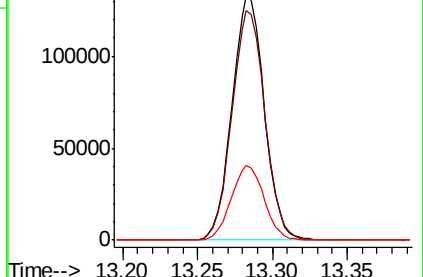
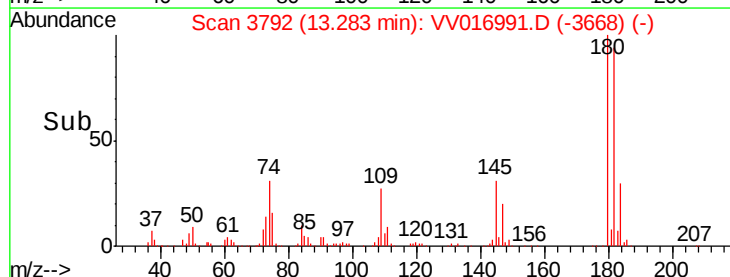
145 31.0 25.2 37.8

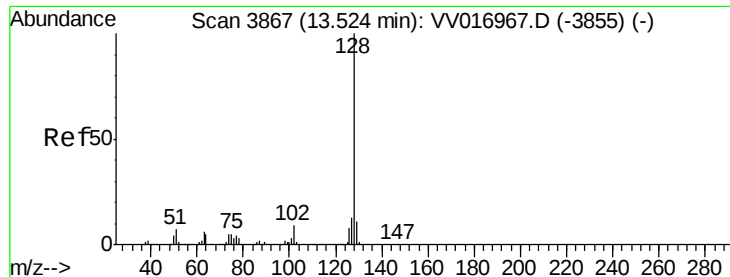


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.051 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

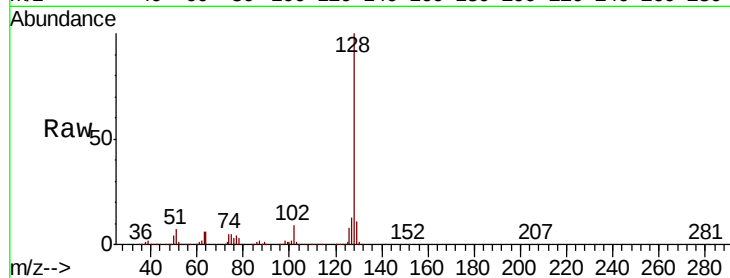
Tot Ion:128 Resp: 559519

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

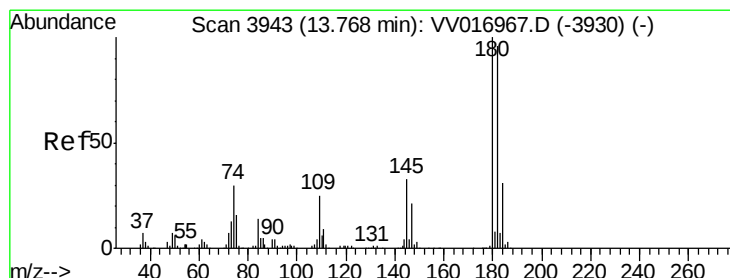
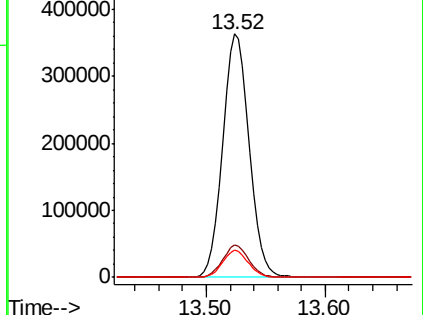
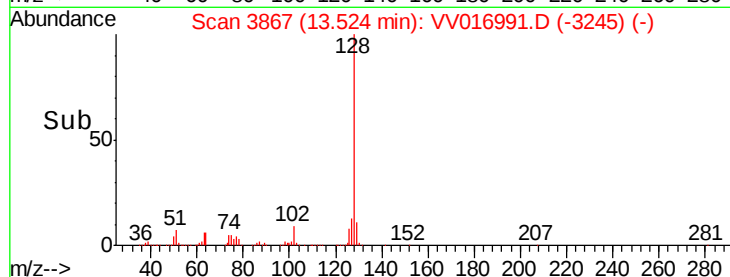
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.882 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016991.D

Acq: 19 Jun 2020 09:38

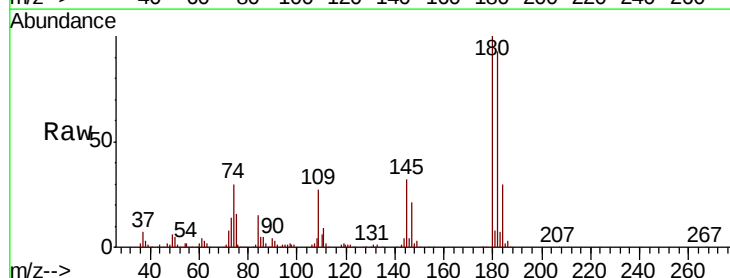
Tgt Ion:180 Resp: 197429

Ion Ratio Lower Upper

180 100

182 93.5 76.5 114.7

145 32.4 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

