

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019138.D
 Acq On : 28 Oct 2020 16:46
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Oct 29 03:16:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238399	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230916	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120530	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79579	36.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.48%
7) Chloroethane-d5	1.58	69	66837	38.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.68%
11) 1,1-Dichloroethene-d2	2.12	63	132097	32.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.14%
21) 2-Butanone-d5	3.90	46	112117	76.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.97%
24) Chloroform-d	4.37	84	163795	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
26) 1,2-Dichloroethane-d4	5.05	65	118960	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
32) Benzene-d6	5.07	84	310248	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
36) 1,2-Dichloropropane-d6	6.09	67	94539	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.64%
41) Toluene-d8	7.33	98	289817	45.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.76%
43) trans-1,3-Dichloropropene-	7.64	79	51959	44.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.64%
47) 2-Hexanone-d5	8.10	63	81002	81.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.42%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	121888	40.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	124677	49.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4790	2.580	ug/L	97
3) Chloromethane	1.25	50	4782	2.071	ug/L	98
5) Vinyl chloride	1.32	62	5271	2.317	ug/L #	55
6) Bromomethane	1.53	94	3304	2.538	ug/L	99
8) Chloroethane	1.60	64	3594	2.519	ug/L	98
9) Trichlorofluoromethane	1.76	101	8305	2.775	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4932	3.099	ug/L	90
12) 1,1-Dichloroethene	2.13	96	4892	3.072	ug/L #	1
13) Acetone	2.19	43	4912	4.976	ug/L	96
14) Carbon disulfide	2.31	76	11633	2.216	ug/L	100
15) Methyl Acetate	2.45	43	4484	2.161	ug/L	98
16) Methylene chloride	2.52	84	4675	2.519	ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	4120	2.449	ug/L	89
18) Methyl tert-butyl Ether	2.78	73	13304	2.438	ug/L	97
19) 1,1-Dichloroethane	3.21	63	8154	2.400	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4614	2.564	ug/L	93
23) Bromochloromethane	4.28	128	2385	2.604	ug/L #	83

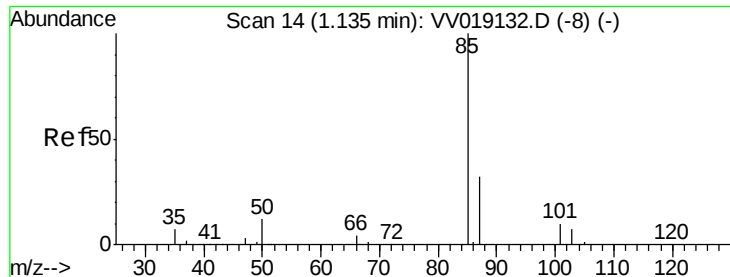
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	9559	2.856	ug/L	95
27) 1,2-Dichloroethane	5.16	62	7225	2.601	ug/L	100
29) Cyclohexane	4.70	56	5909	2.138	ug/L #	67
30) 1,1,1-Trichloroethane	4.63	97	7900	2.748	ug/L	96
31) Carbon tetrachloride	4.85	117	7037	2.808	ug/L	97
33) Benzene	5.12	78	17112	2.421	ug/L	100
34) Trichloroethene	5.94	95	4611	2.581	ug/L	96
35) Methylcyclohexane	6.15	83	5949	2.434	ug/L	94
37) 1,2-Dichloropropane	6.20	63	4188	2.152	ug/L #	87
38) Bromodichloromethane	6.54	83	6037	2.452	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	6013	2.091	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	10704	4.077	ug/L	97
42) Toluene	7.41	91	18317	2.524	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	6799	2.383	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	4222	2.456	ug/L	95
46) Tetrachloroethene	8.00	164	3861	2.817	ug/L	97
48) 2-Hexanone	8.16	43	9260	4.571	ug/L #	92
49) Dibromochloromethane	8.27	129	5218	2.777	ug/L	95
50) 1,2-Dibromoethane	8.38	107	4542	2.546	ug/L #	96
51) Chlorobenzene	8.90	112	12199	2.621	ug/L	93
52) Ethylbenzene	9.03	91	18655	2.378	ug/L	100
53) m,p-Xylene	9.16	106	6919	2.409	ug/L	95
54) o-xylene	9.56	106	6275	2.269	ug/L	91
55) Styrene	9.59	104	11021	2.247	ug/L	98
56) Isopropylbenzene	9.95	105	17339	2.384	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.26	83	6488	2.294	ug/L #	96
59) 1,2,3-Trichloropropane	10.29	75	5532	2.431	ug/L	98
61) Bromoform	9.75	173	3554	2.618	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	9528	2.634	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	10914	2.888	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	10412	2.855	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	1381	2.143	ug/L	83
67) 1,3,5-Trichlorobenzene	12.67	180	8229	3.332	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	7188	3.086	ug/L	93
69) Naphthalene	13.53	128	13655	1.903	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	5875	2.490	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 2.580 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

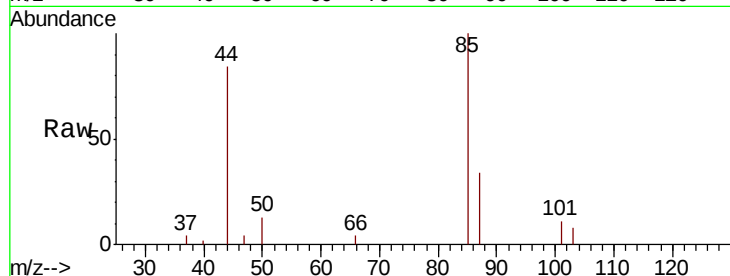
MDL03

Tot Ion: 85 Resp: 4790

Ion Ratio Lower Upper

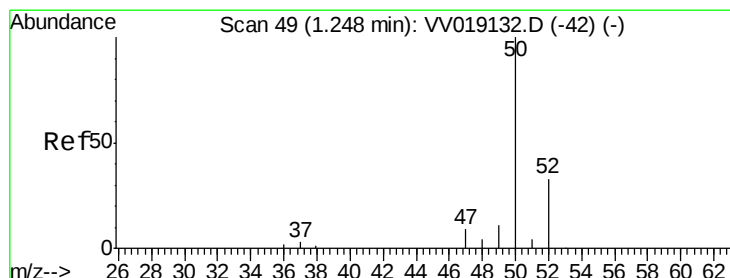
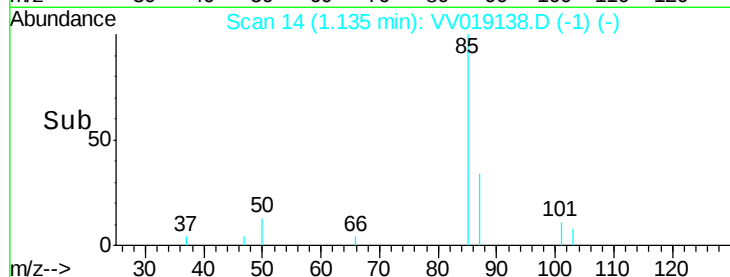
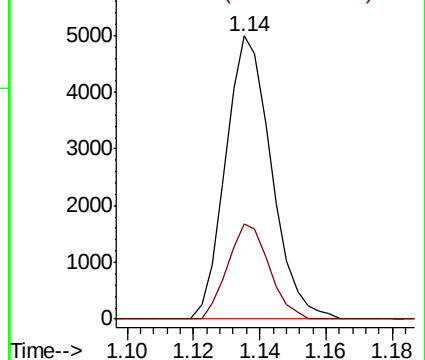
85 100

87 30.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.071 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019138.D

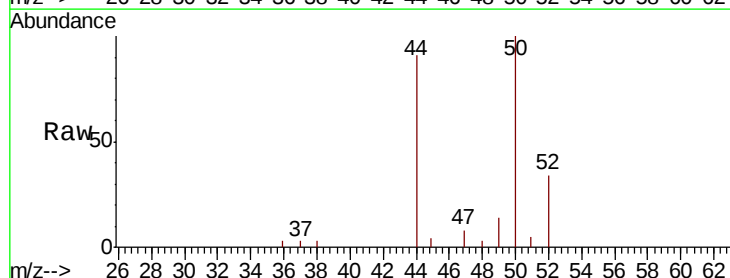
Acq: 28 Oct 2020 16:46

Tgt Ion: 50 Resp: 4782

Ion Ratio Lower Upper

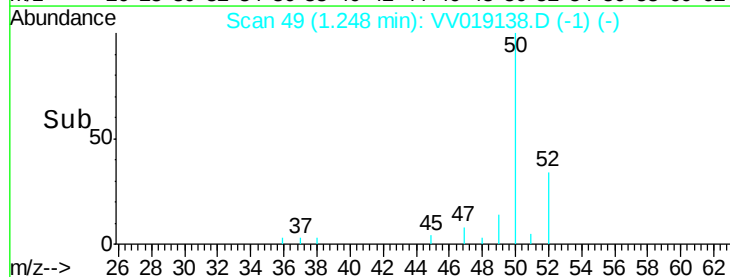
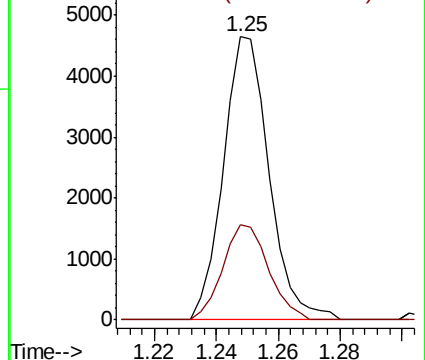
50 100

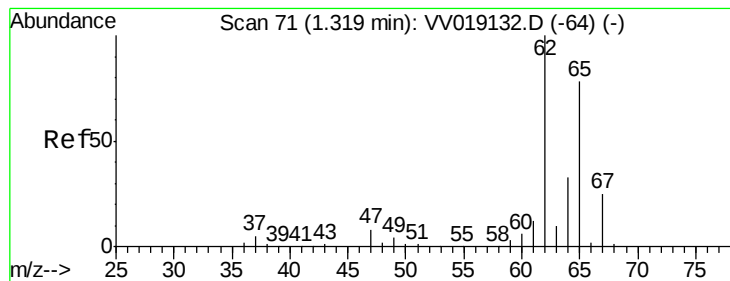
52 33.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.317 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

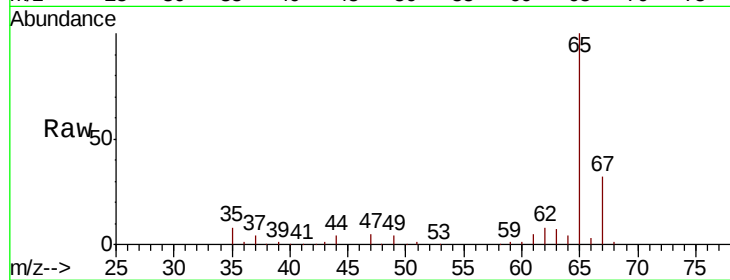
MDL03

Tot Ion: 62 Resp: 5271

Ion Ratio Lower Upper

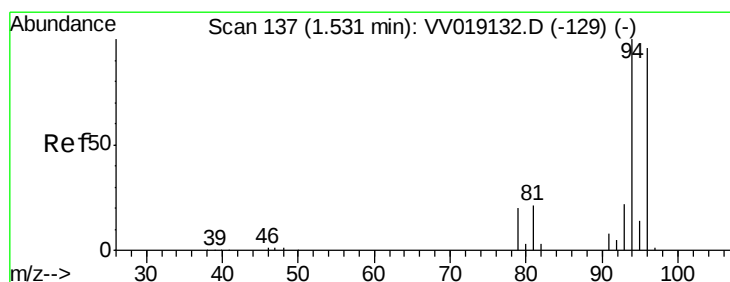
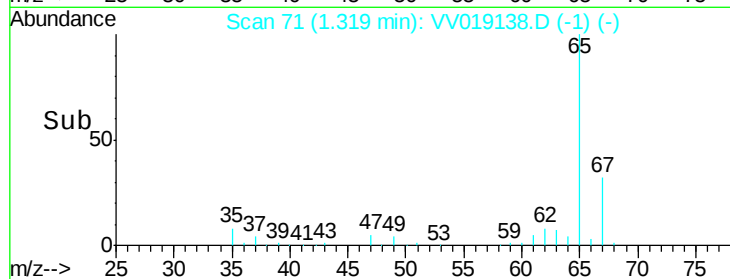
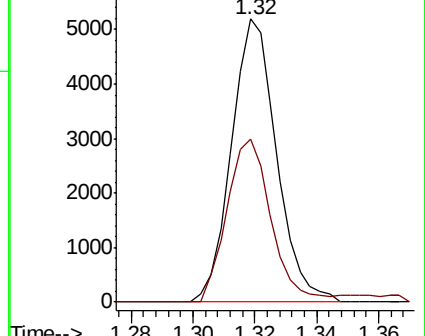
62 100

64 57.8 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.538 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019138.D

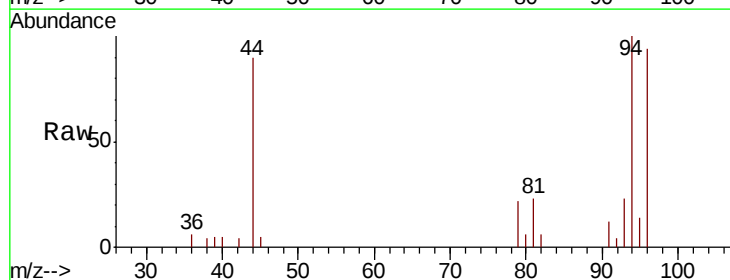
Acq: 28 Oct 2020 16:46

Tgt Ion: 94 Resp: 3304

Ion Ratio Lower Upper

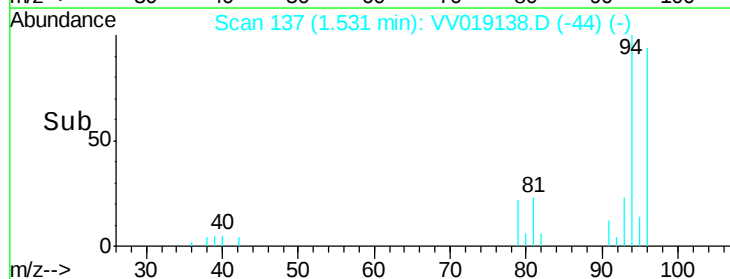
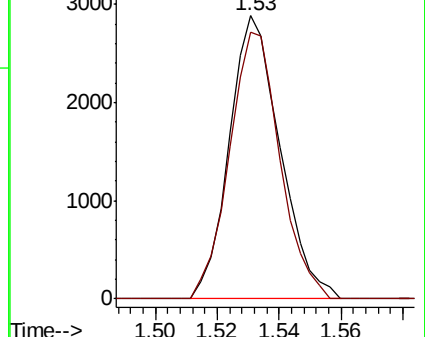
94 100

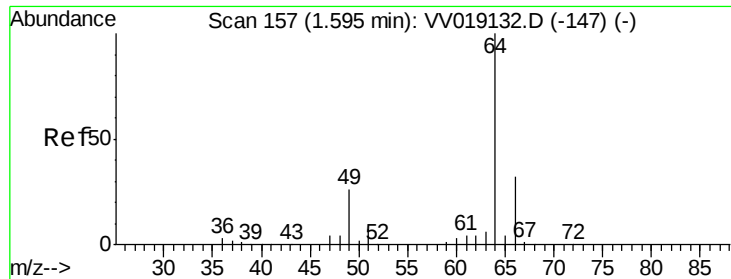
96 94.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.519 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

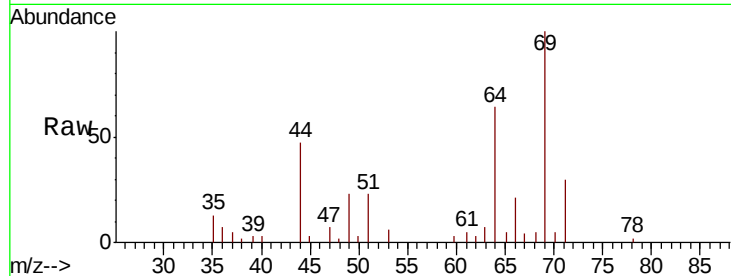
MDL03

Tot Ion: 64 Resp: 3594

Ion Ratio Lower Upper

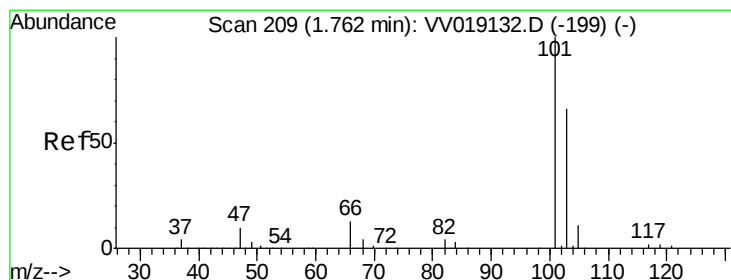
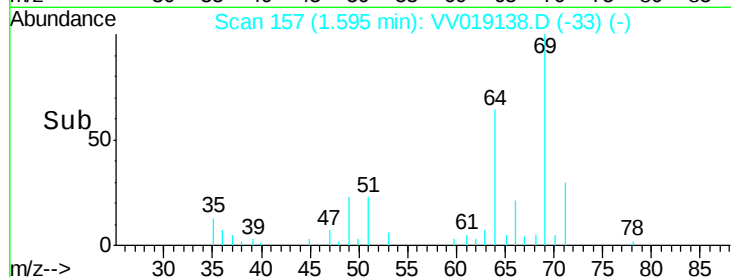
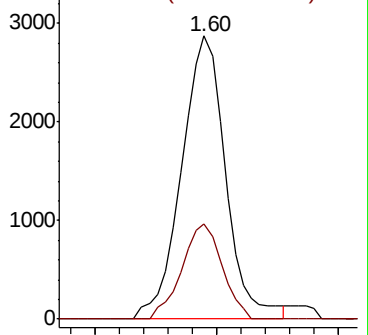
64 100

66 33.5 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019138.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019138.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 2.775 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019138.D

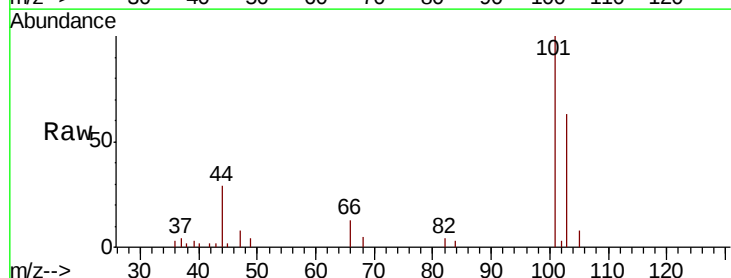
Acq: 28 Oct 2020 16:46

Tgt Ion: 101 Resp: 8305

Ion Ratio Lower Upper

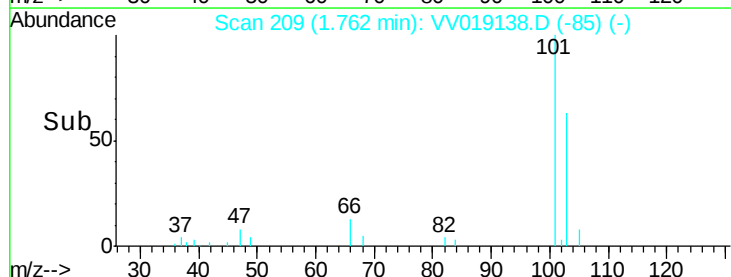
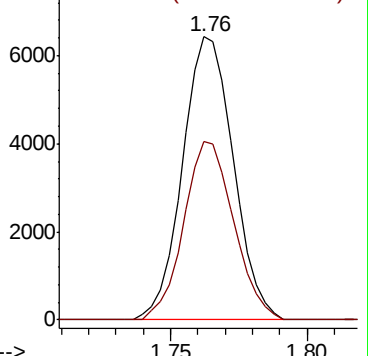
101 100

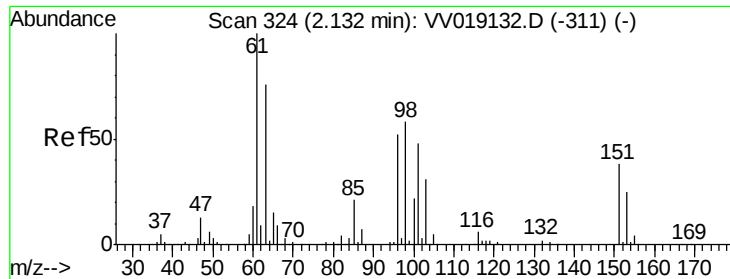
103 61.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019138.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019138.D (-199) (-)





#10

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

Concen: 3.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

MDL03

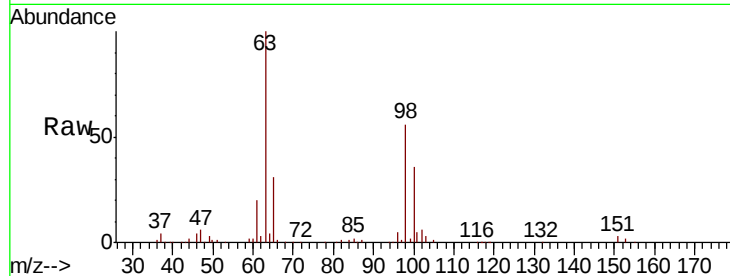
Tot Ion:101 Resp: 4932

Ion Ratio Lower Upper

101 100

85 39.8 36.9 55.3

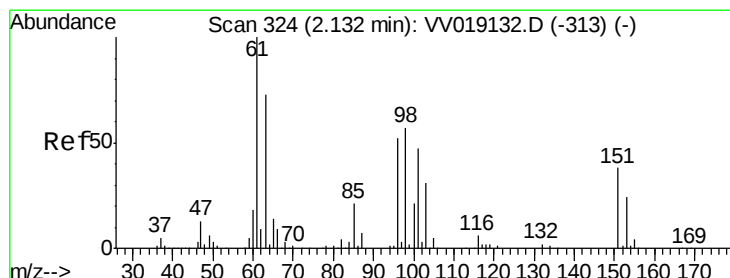
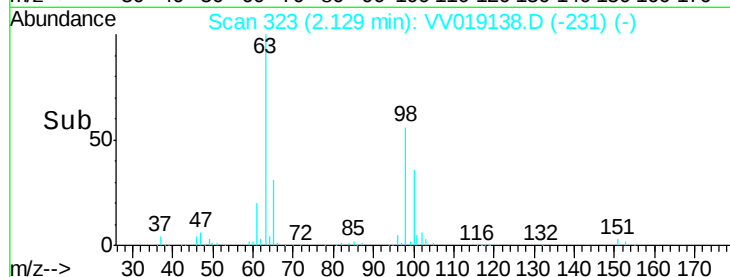
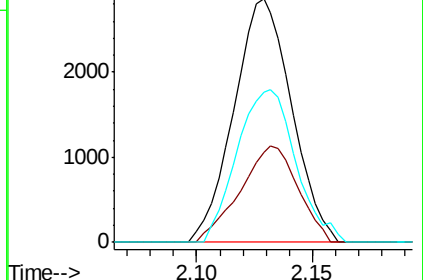
151 63.8 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.072 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

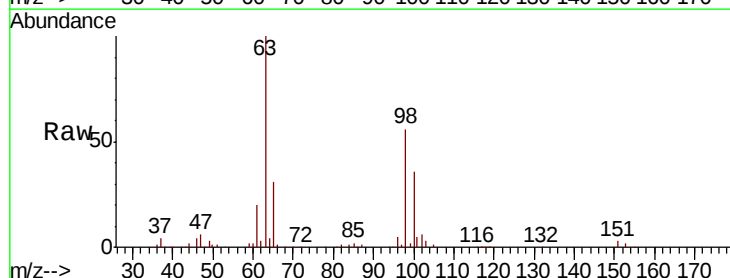
Tgt Ion: 96 Resp: 4892

Ion Ratio Lower Upper

96 100

61 364.2 138.7 257.7#

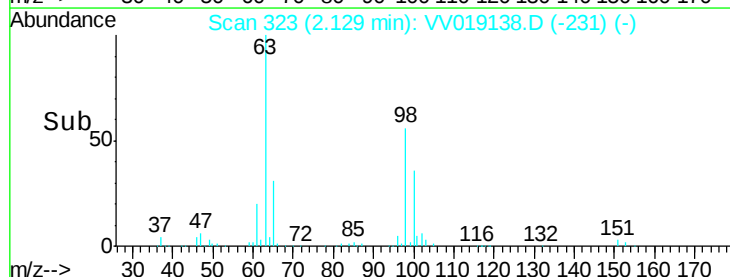
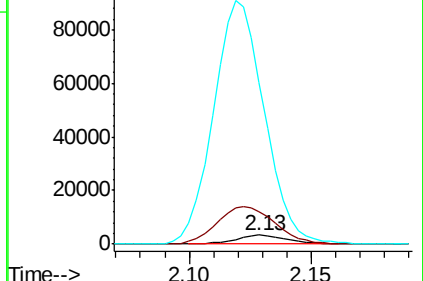
63 1840.0 126.3 234.6#

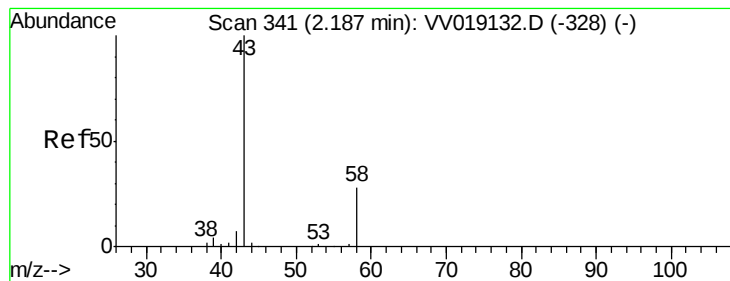


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.976 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

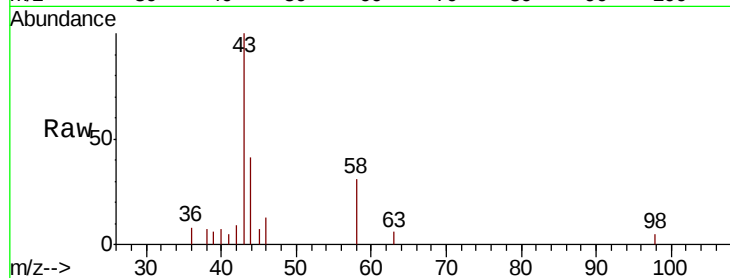
MDL03

Tot Ion: 43 Resp: 4912

Ion Ratio Lower Upper

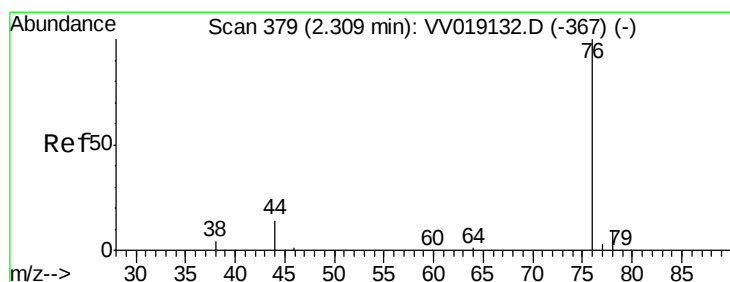
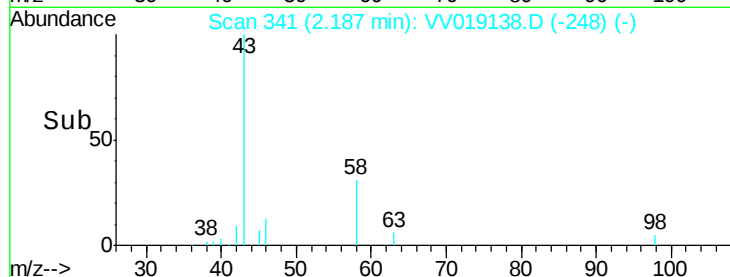
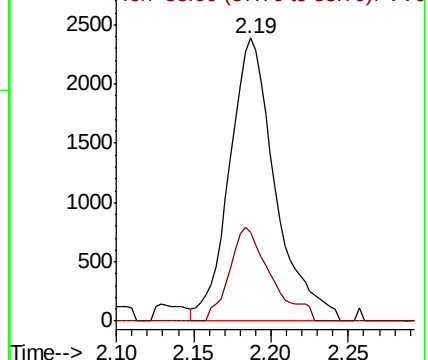
43 100

58 28.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.216 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019138.D

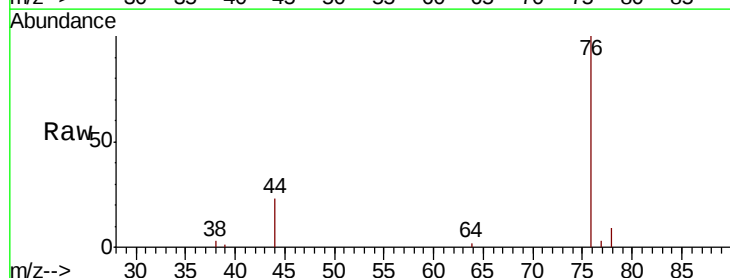
Acq: 28 Oct 2020 16:46

Tgt Ion: 76 Resp: 11633

Ion Ratio Lower Upper

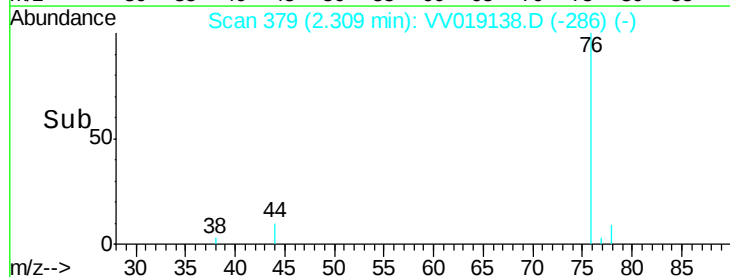
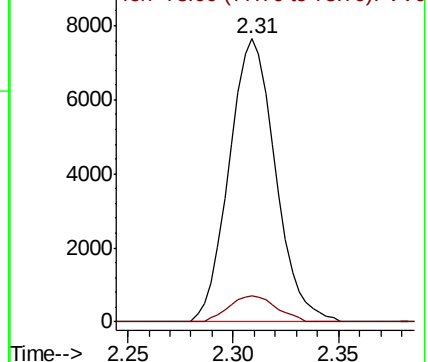
76 100

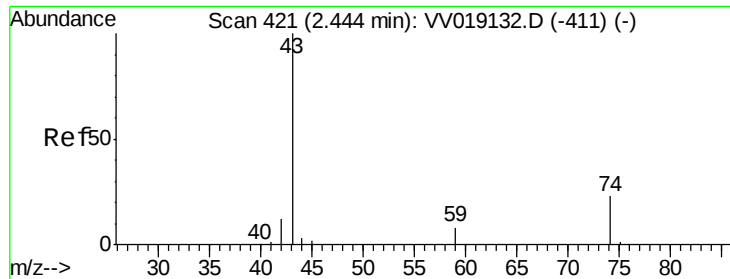
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

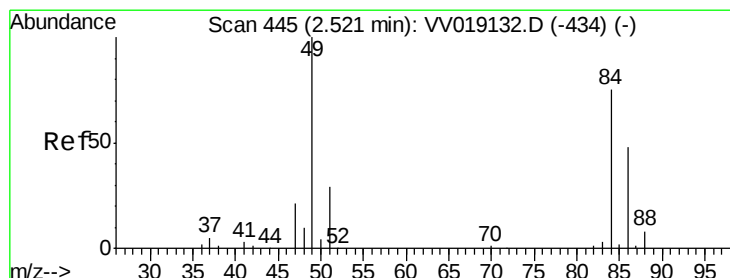
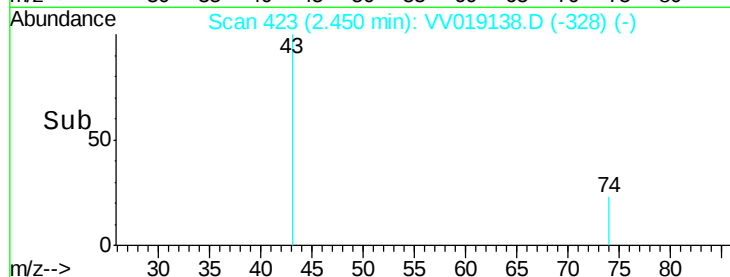
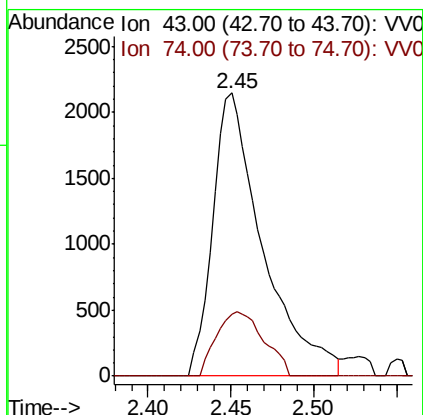
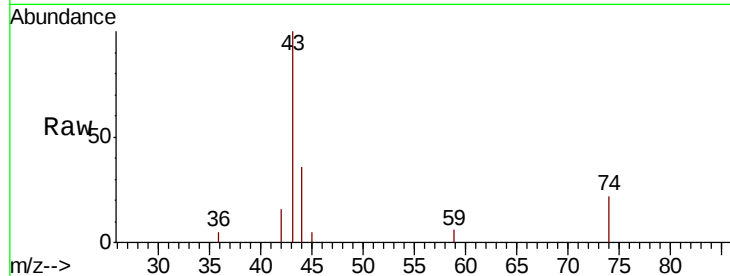




#15
Methvl Acetate
Concen: 2.161 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

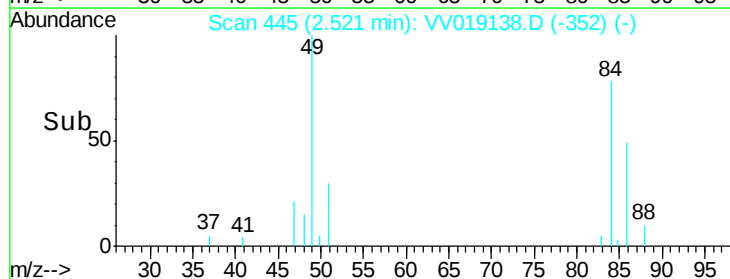
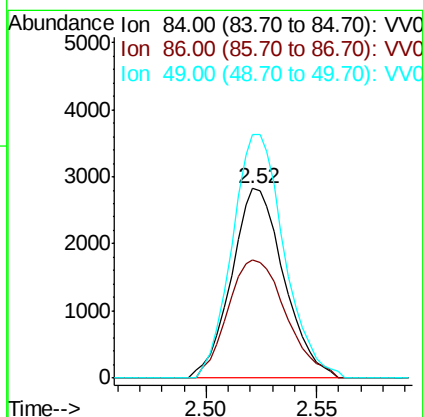
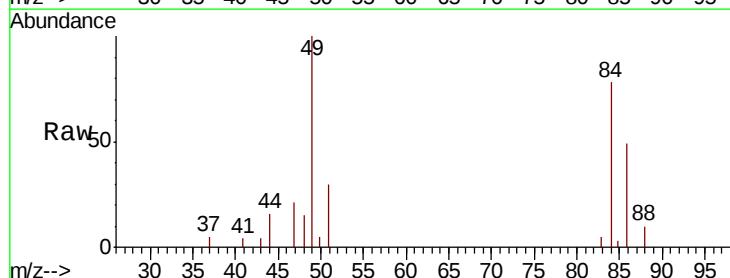
Instrument :
MSVOA_V
ClientSampleId :
MDL03

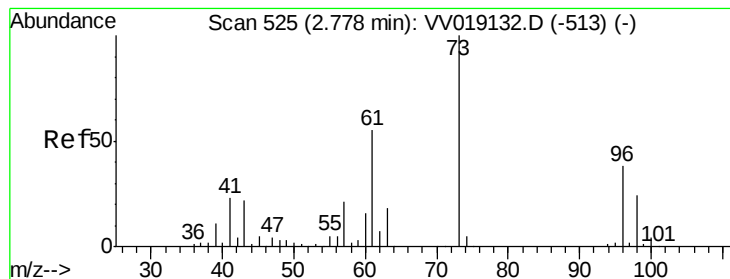
Tot Ion: 43 Resp: 4484
Ion Ratio Lower Upper
43 100
74 21.7 16.4 24.6



#16
Methylene chloride
Concen: 2.519 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 84 Resp: 4675
Ion Ratio Lower Upper
84 100
86 62.3 44.2 82.2
49 128.2 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 2.449 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

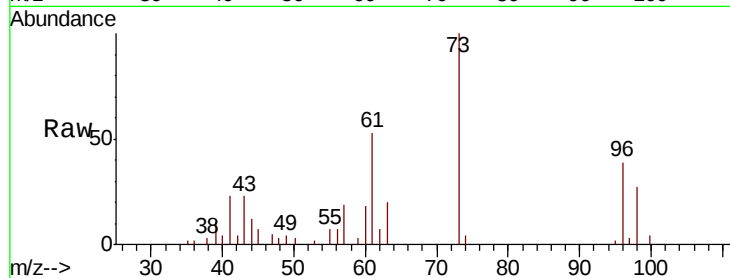
Tot Ion: 96 Resp: 4120

Ion Ratio Lower Upper

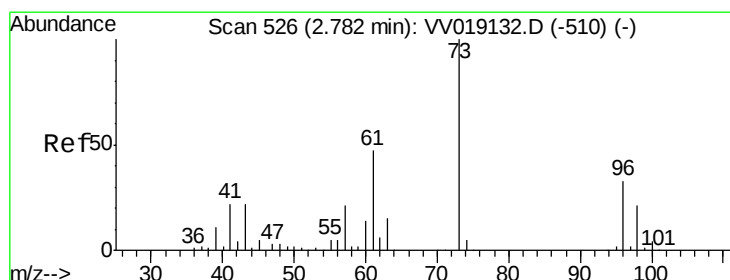
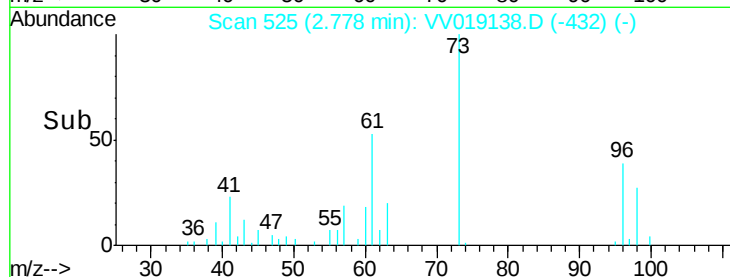
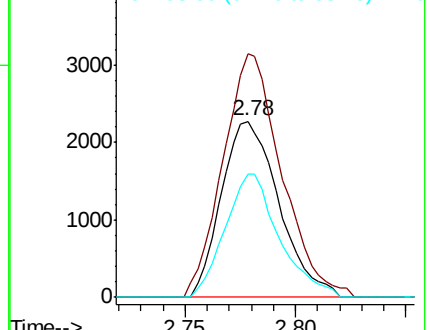
96 100

61 138.5 108.6 201.8

98 69.9 45.7 84.9



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: 2.438 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

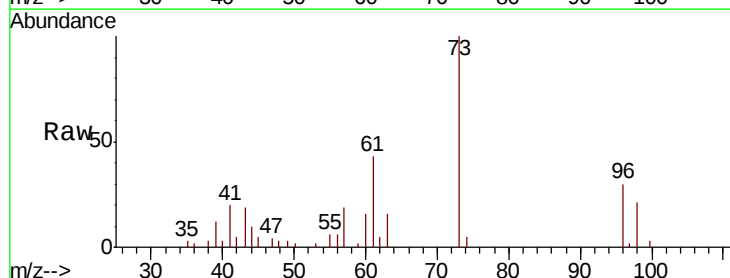
Tgt Ion: 73 Resp: 13304

Ion Ratio Lower Upper

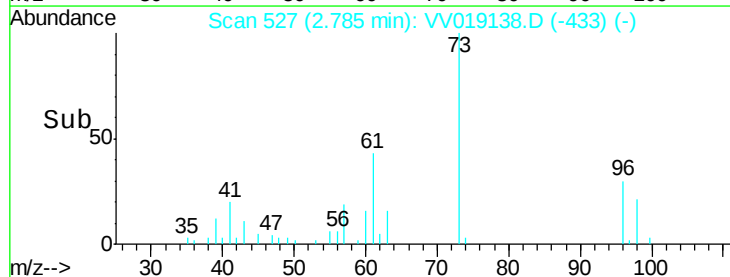
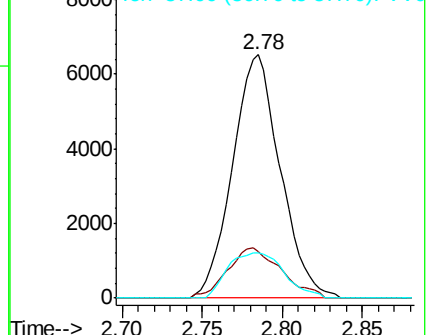
73 100

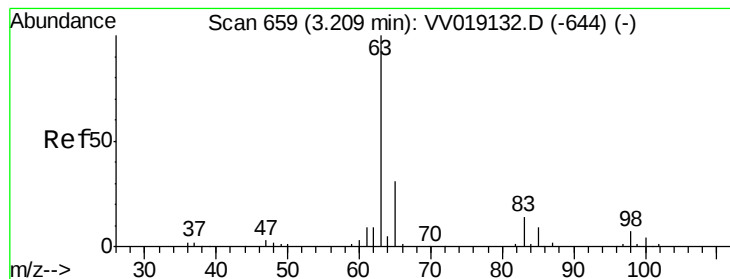
43 23.2 17.2 25.8

57 22.1 18.5 27.7



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: 2.400 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

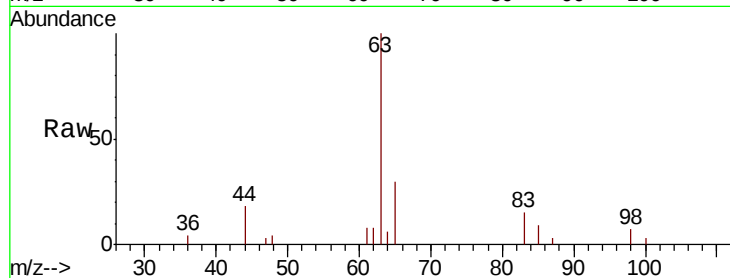
Tot Ion: 63 Resp: 8154

Ion Ratio Lower Upper

63 100

65 29.6 22.7 42.1

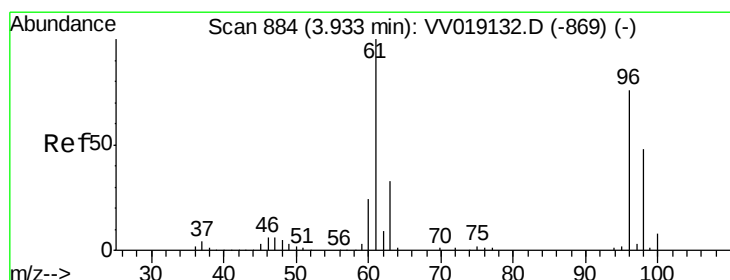
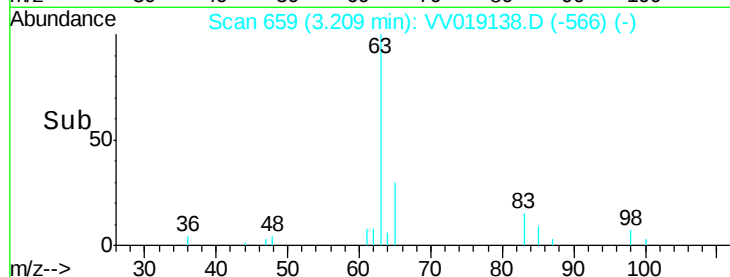
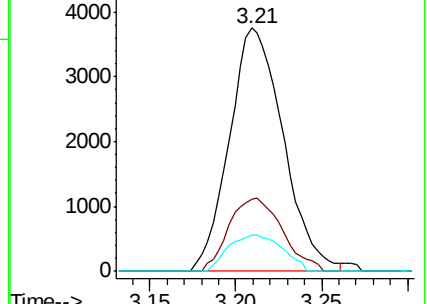
83 15.0 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.564 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

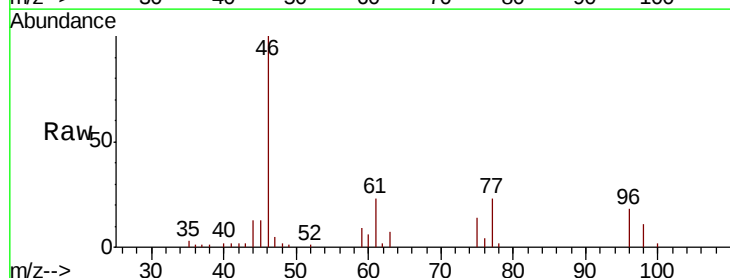
Tgt Ion: 96 Resp: 4614

Ion Ratio Lower Upper

96 100

61 133.1 99.4 184.6

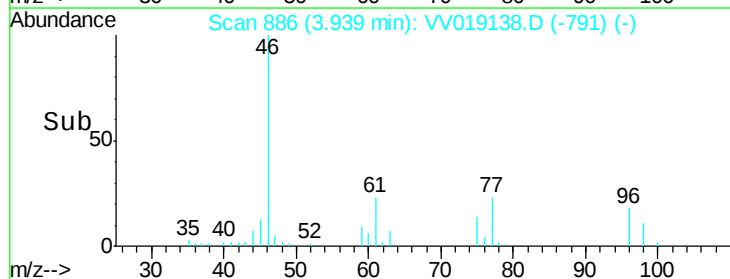
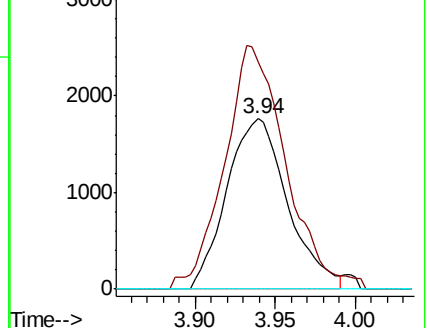
68 0.0 0.0 0.0

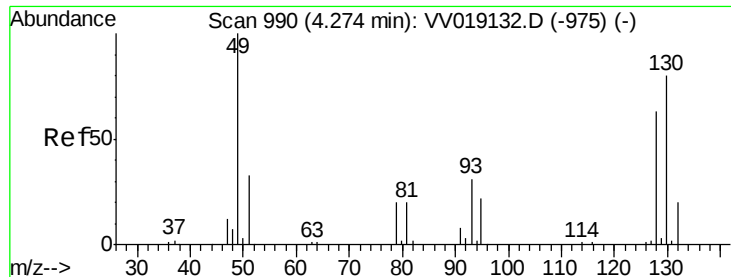


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

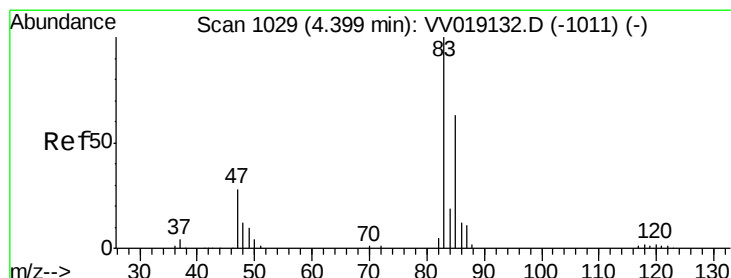
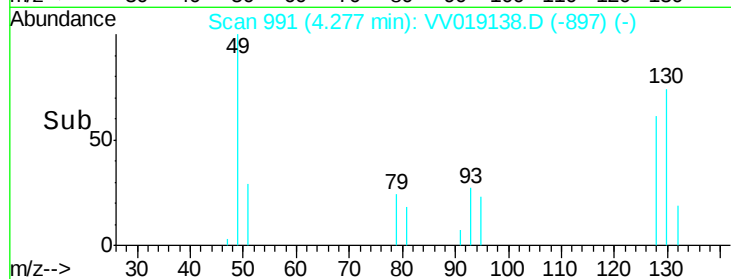
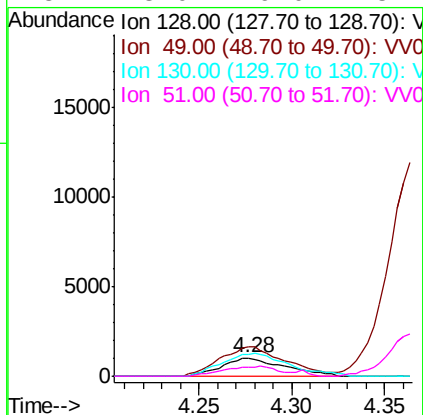
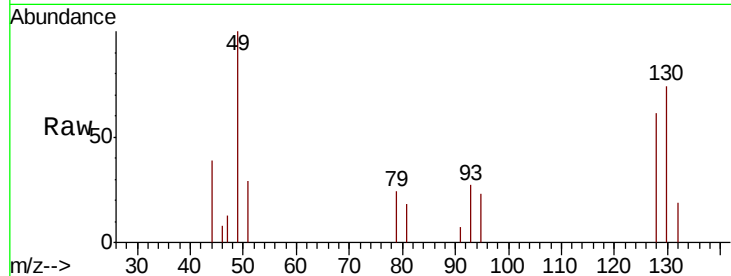




#23
Bromochloromethane
Concen: 2.604 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

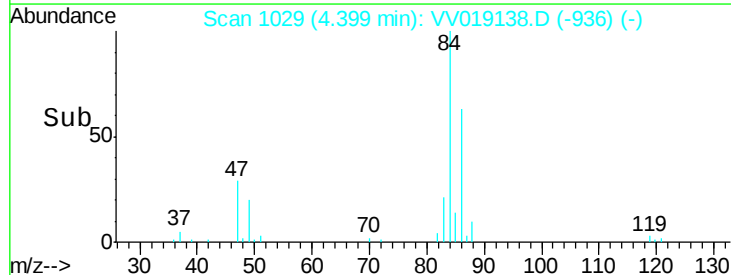
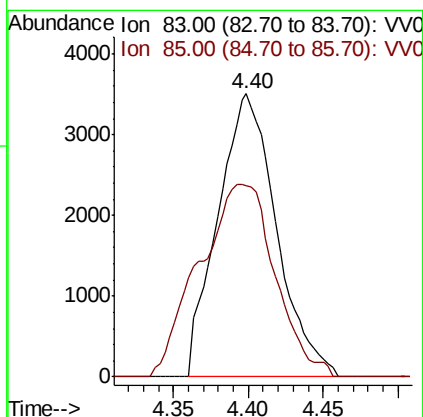
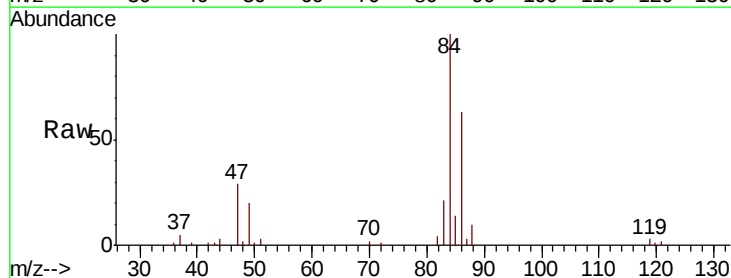
Instrument :
MSVOA_V
ClientSampled :
MDL03

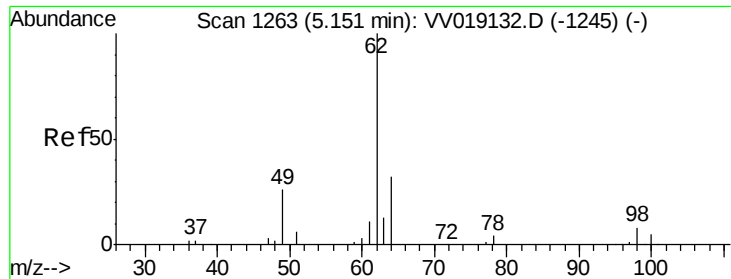
Tot Ion:128 Resp: 2385
Ion Ratio Lower Upper
128 100
49 163.1 137.1 254.5
130 120.5 92.0 170.9
51 48.0 49.0 73.4#



#25
Chloroform
Concen: 2.856 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 83 Resp: 9559
Ion Ratio Lower Upper
83 100
85 67.4 44.5 82.7

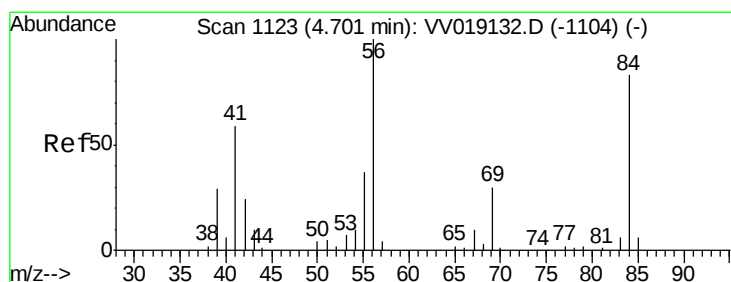
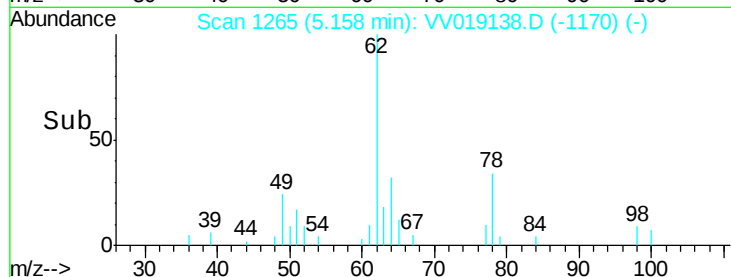
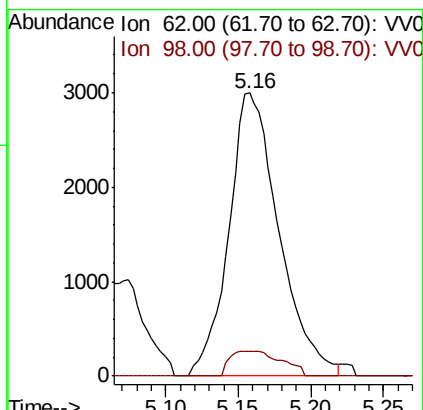
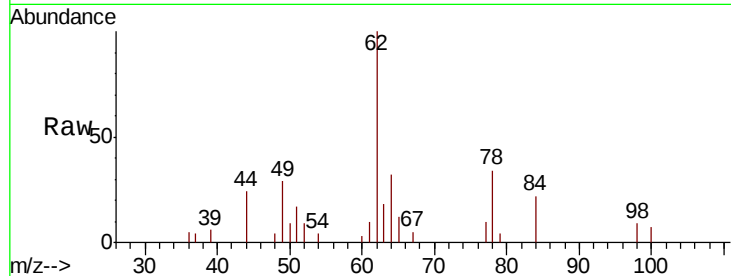




#27
 1,2-Dichloroethane
 Concen: 2.601 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

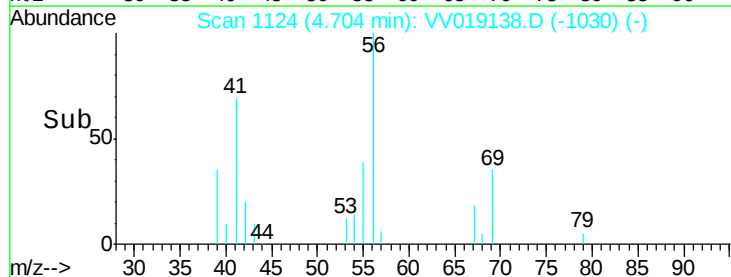
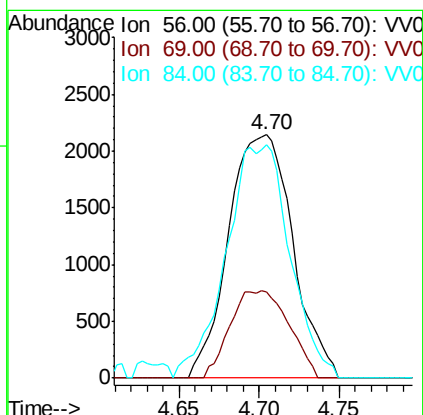
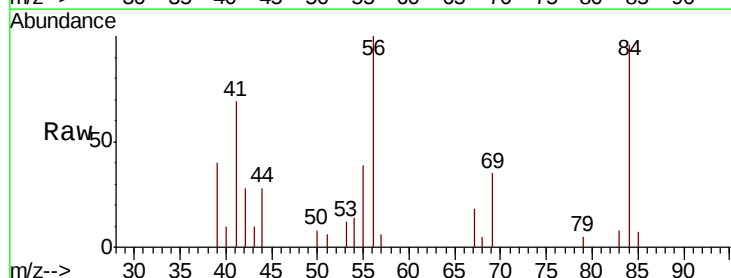
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

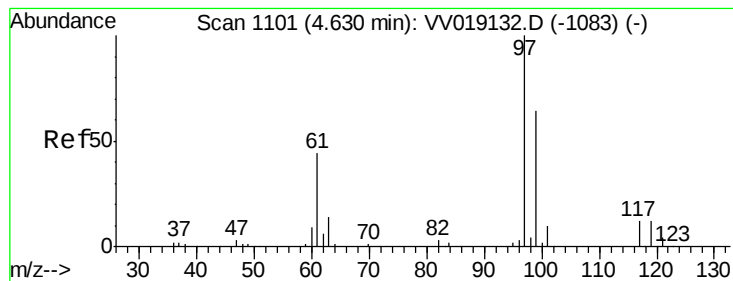
Tot Ion: 62 Resp: 7225
 Ion Ratio Lower Upper
 62 100
 98 8.7 6.9 10.3



#29
 Cyclohexane
 Concen: 2.138 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion: 56 Resp: 5909
 Ion Ratio Lower Upper
 56 100
 69 15.4 22.7 34.1#
 84 47.4 63.5 95.3#





#30

1,1,1-Trichloroethane

Concen: 2.748 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

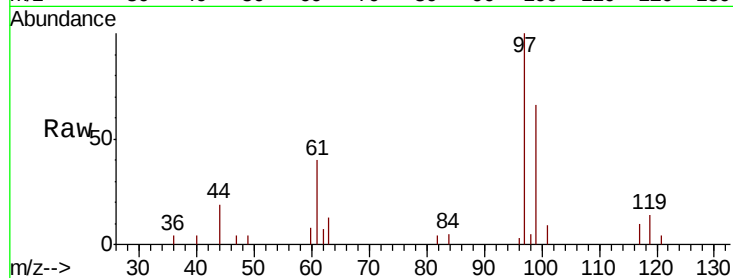
Tot Ion: 97 Resp: 7900

Ion Ratio Lower Upper

97 100

99 64.4 50.5 75.7

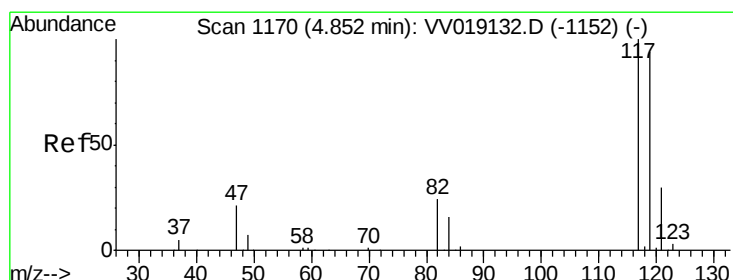
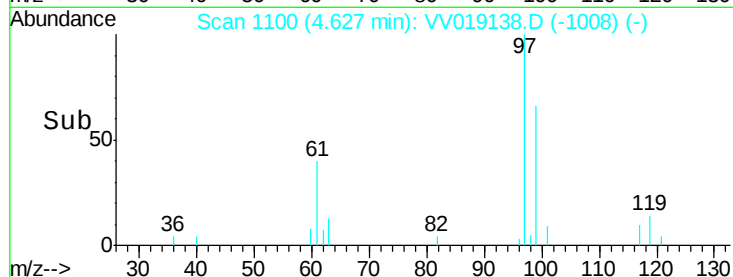
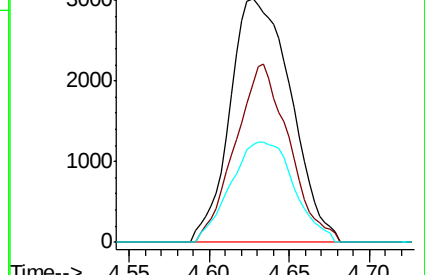
61 42.9 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VV019138.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV019138.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV019138.D (-1083) (-)



#31

Carbon tetrachloride

Concen: 2.808 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019138.D

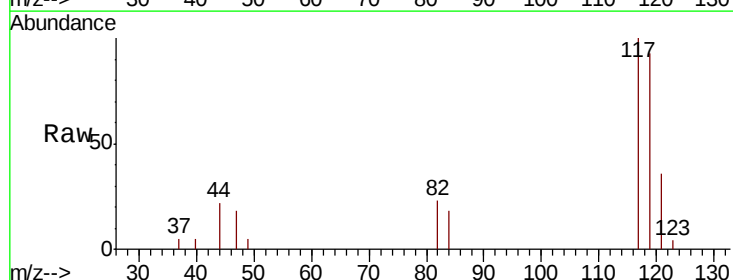
Acq: 28 Oct 2020 16:46

Tgt Ion: 117 Resp: 7037

Ion Ratio Lower Upper

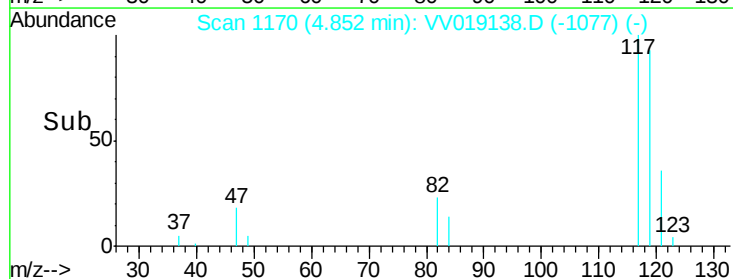
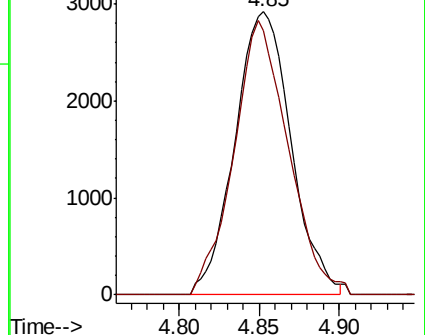
117 100

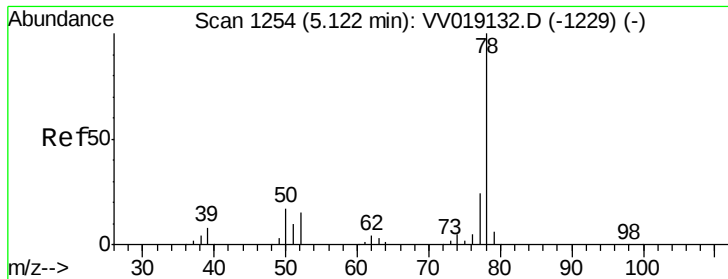
119 93.2 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): VV019138.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV019138.D (-1077) (-)





#33

Benzene

Concen: 2.421 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

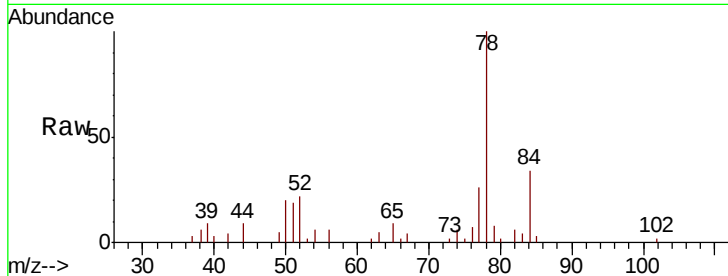
Instrument :

MSVOA_V

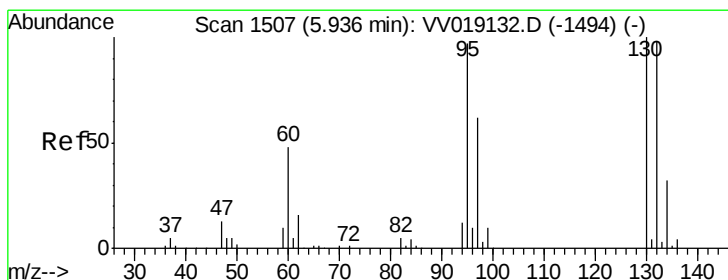
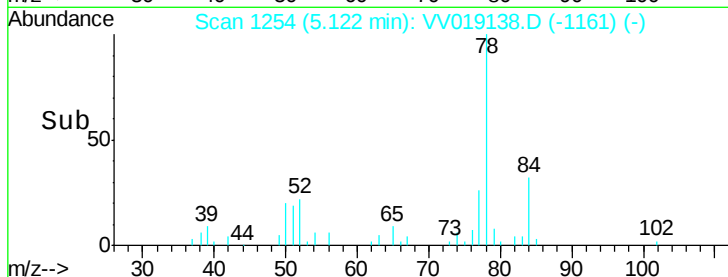
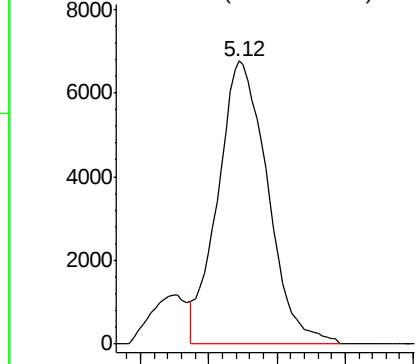
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 17112



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.581 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion: 95 Resp: 4611

Ion	Ratio	Lower	Upper
95	100		
97	55.7	44.6	82.8
132	96.0	66.0	122.6
130	97.9	67.6	125.6

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

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

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

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

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

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

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

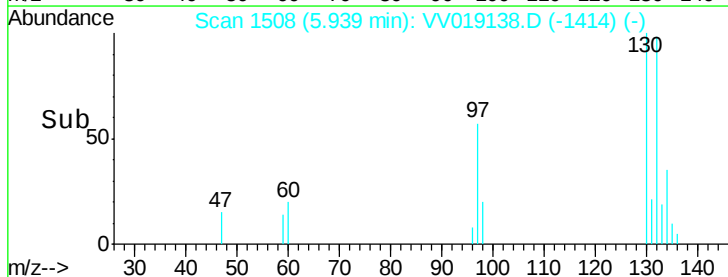
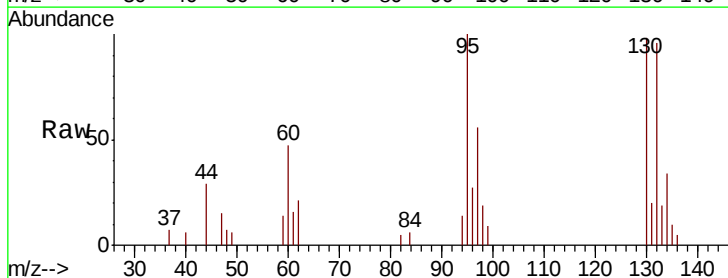
Ion 130.00 (129.70 to 130.70): VV0

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



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

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

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

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

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

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

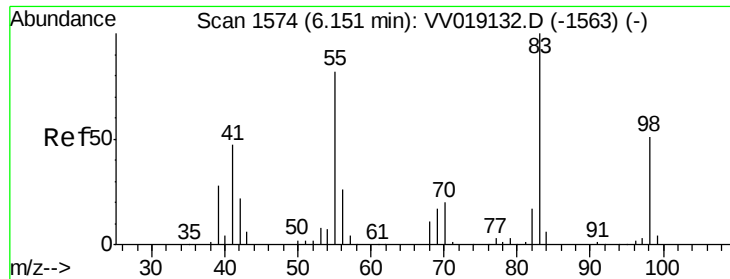
Ion 130.00 (129.70 to 130.70): VV0

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

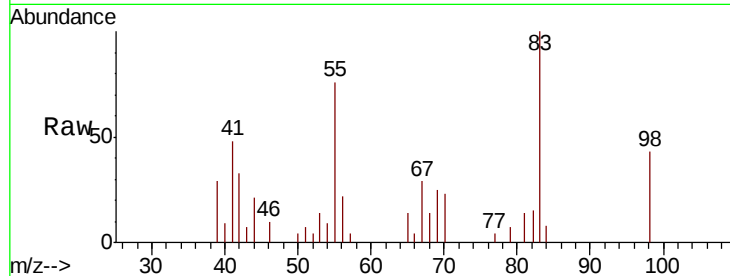
Ion 130.00 (129.70 to 130.70): VV0



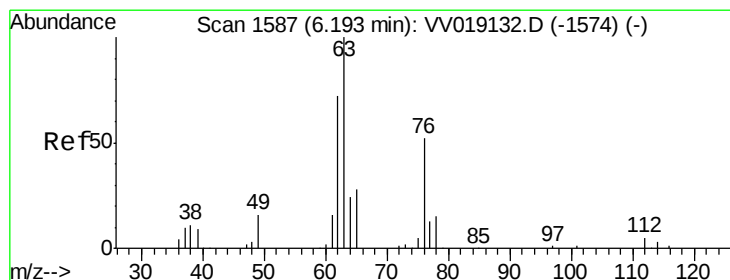
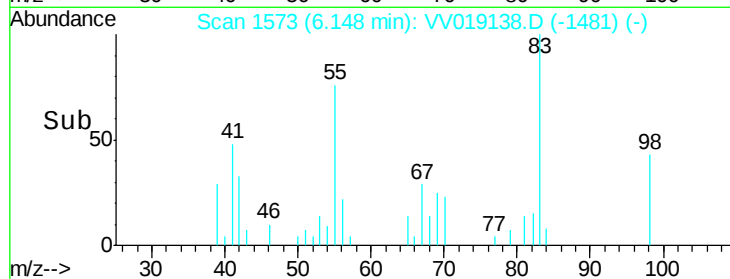
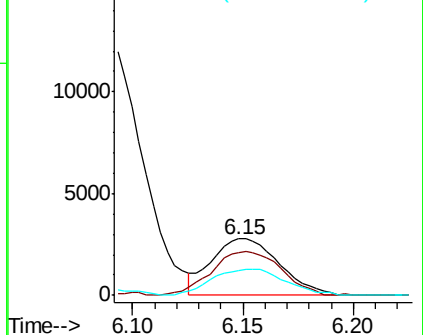
#35
Methvlcvclohexane
Concen: 2.434 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 83 Resp: 5949
Ion Ratio Lower Upper
83 100
55 79.1 68.1 102.1
98 49.8 37.9 56.9

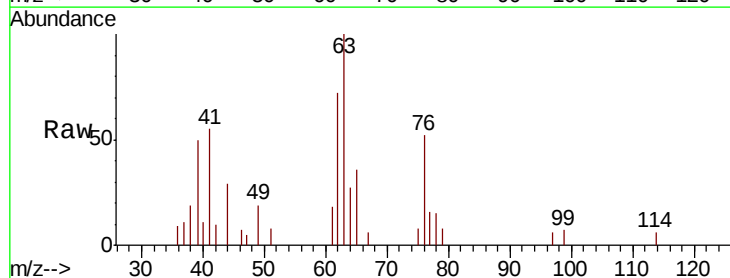


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

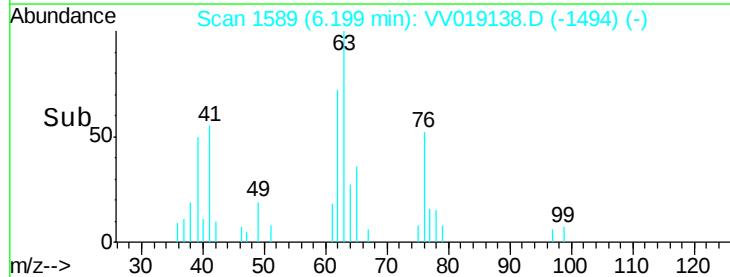
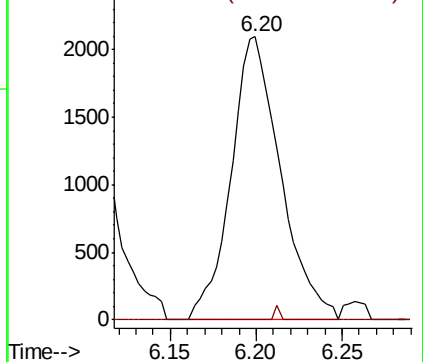


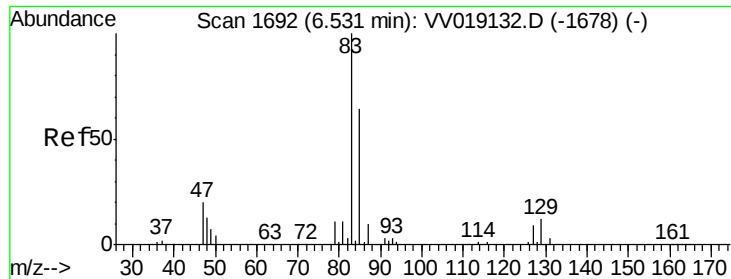
#37
1,2-Dichloropropane
Concen: 2.152 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 63 Resp: 4188
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 2.452 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

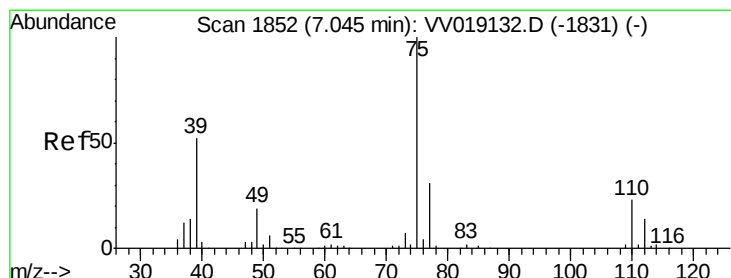
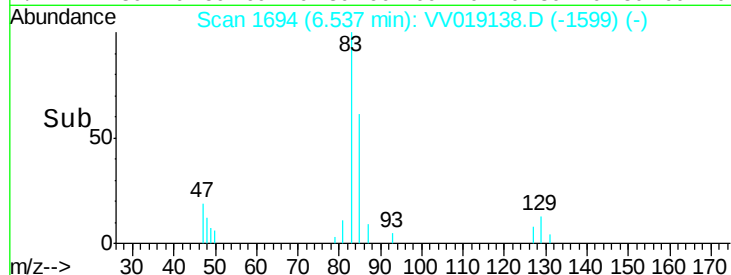
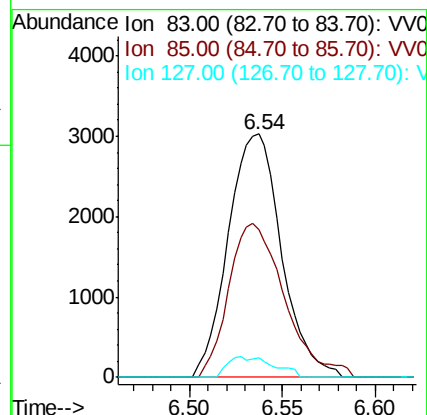
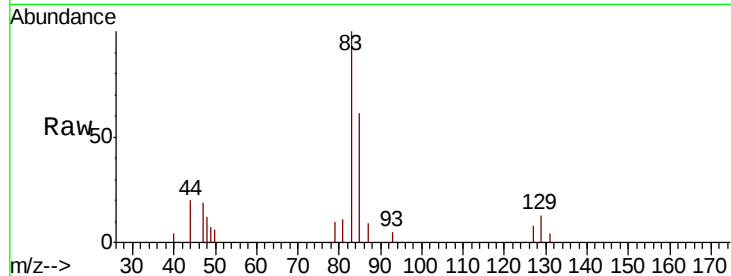
Tot Ion: 83 Resp: 6037

Ion Ratio Lower Upper

83 100

85 60.8 44.9 83.3

127 7.9 7.0 10.4



#39

cis-1,3-Dichloropropene

Concen: 2.091 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019138.D

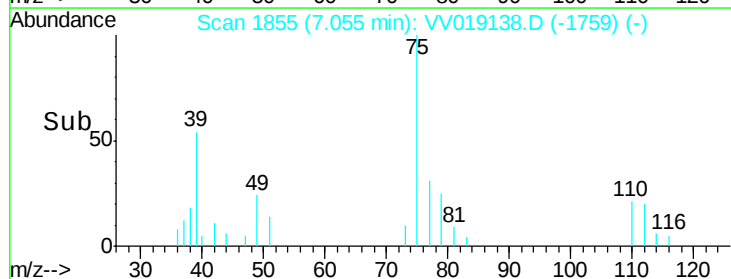
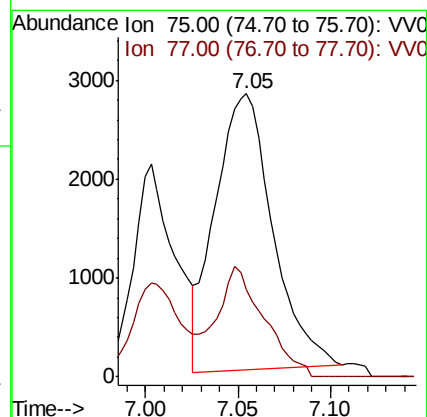
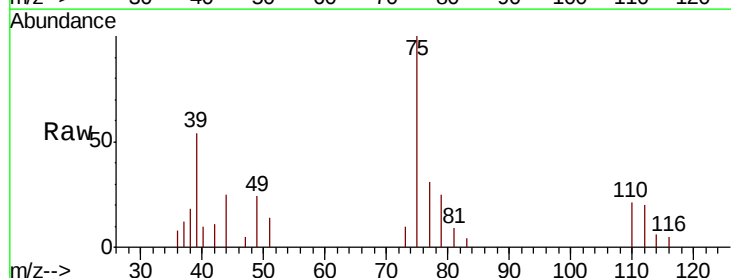
Acq: 28 Oct 2020 16:46

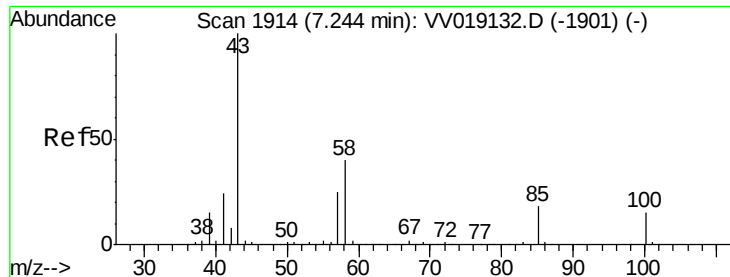
Tgt Ion: 75 Resp: 6013

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1

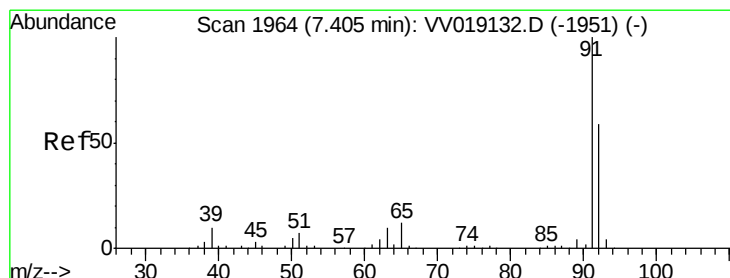
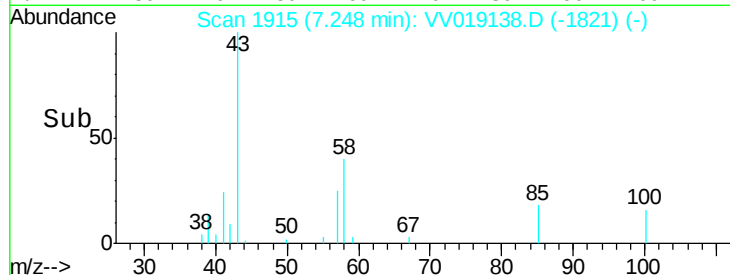
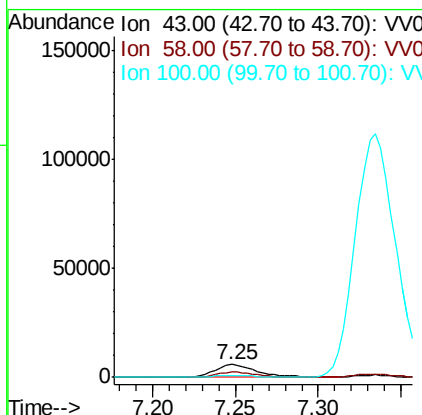
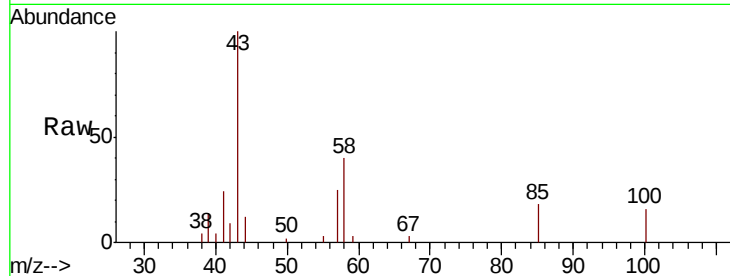




#40
4-Methyl-2-pentanone
Concen: 4.077 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

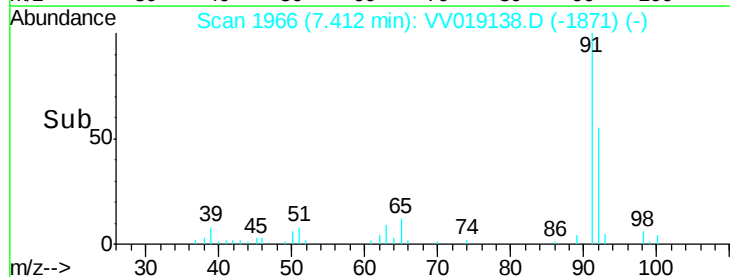
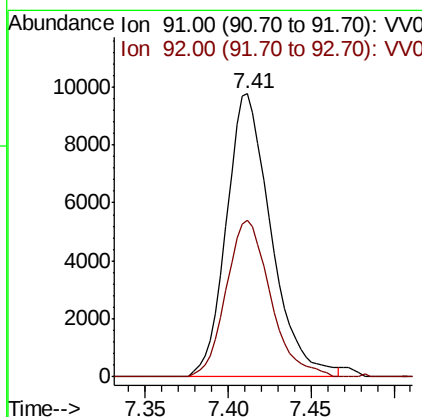
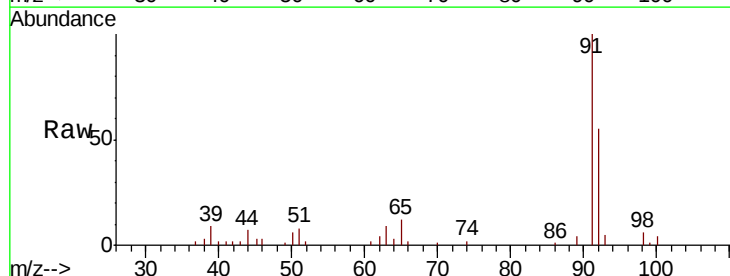
Instrument :
MSVOA_V
ClientSampleId :
MDL03

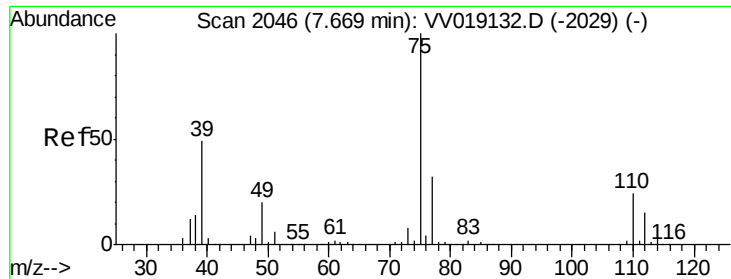
Tot Ion: 43 Resp: 10704
Ion Ratio Lower Upper
43 100
58 38.4 29.6 44.4
100 15.6 10.9 16.3



#42
Toluene
Concen: 2.524 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 91 Resp: 18317
Ion Ratio Lower Upper
91 100
92 55.4 40.9 76.0





#44

trans-1,3-Dichloropropene

Concen: 2.383 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

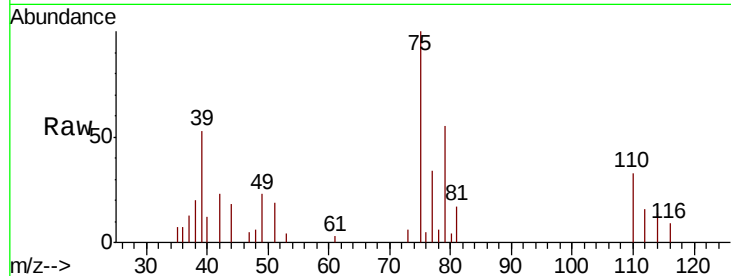
MDL03

Tot Ion: 75 Resp: 6799

Ion Ratio Lower Upper

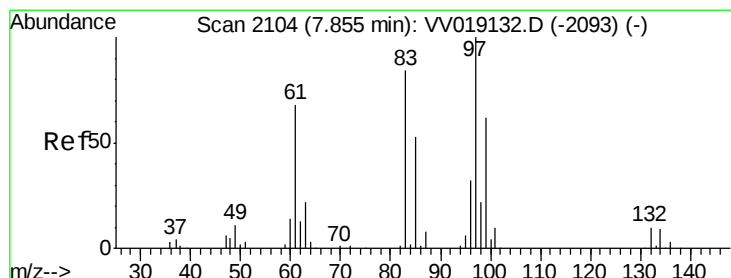
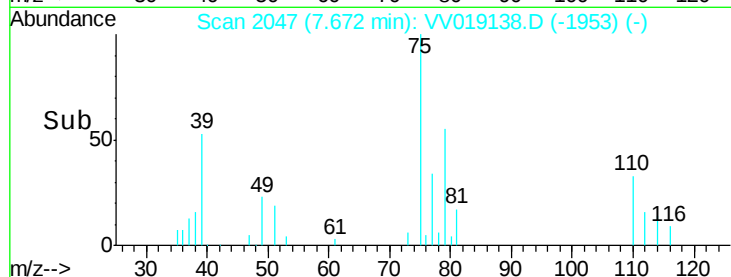
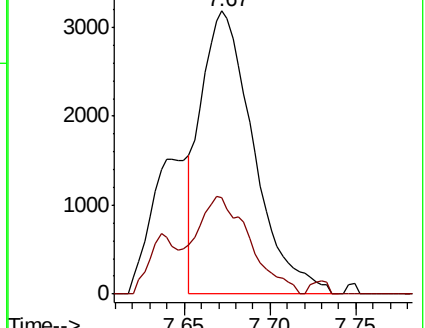
75 100

77 34.2 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV019132.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019132.D (-2029) (-)



#45

1,1,2-Trichloroethane

Concen: 2.456 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion: 97 Resp: 4222

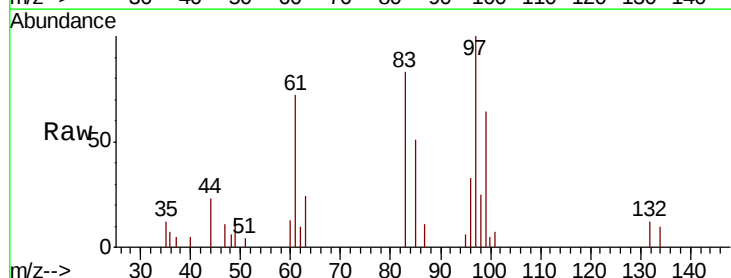
Ion Ratio Lower Upper

97 100

99 63.5 43.5 80.9

83 82.6 62.2 115.4

85 51.3 39.9 74.1

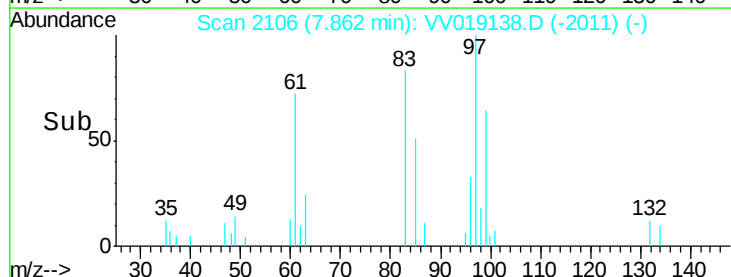
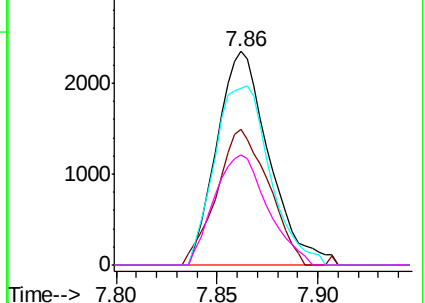


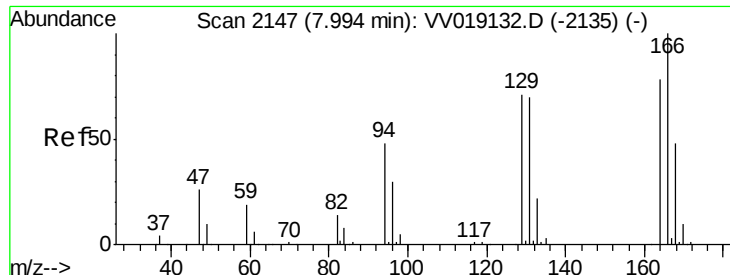
Abundance Ion 97.00 (96.70 to 97.70): VV019132.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV019132.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV019132.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV019132.D (-2093) (-)





#46

Tetrachloroethene

Concen: 2.817 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:164 Resp: 3861

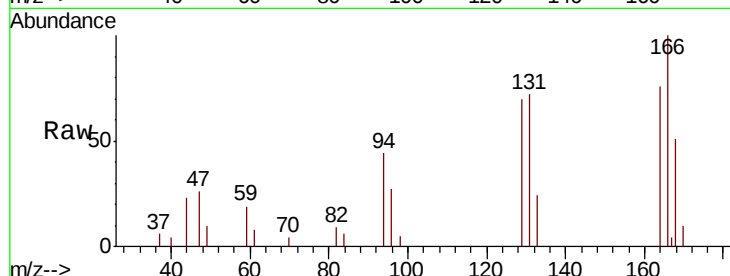
Ion Ratio Lower Upper

164 100

129 91.5 65.5 121.6

131 94.4 62.4 115.8

166 130.8 90.0 167.2

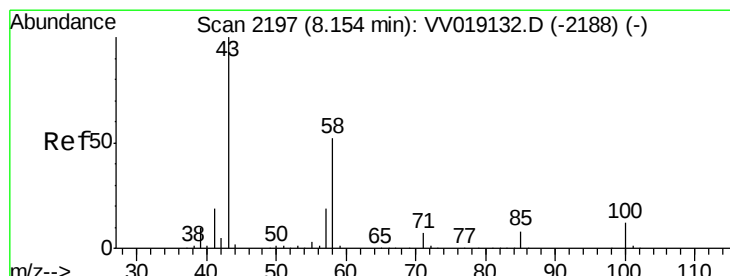
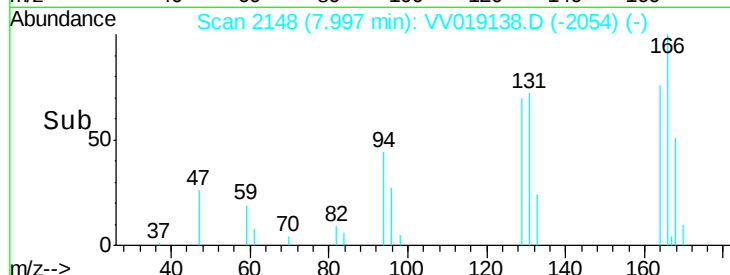
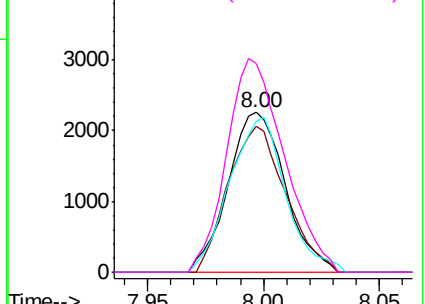


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.571 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion: 43 Resp: 9260

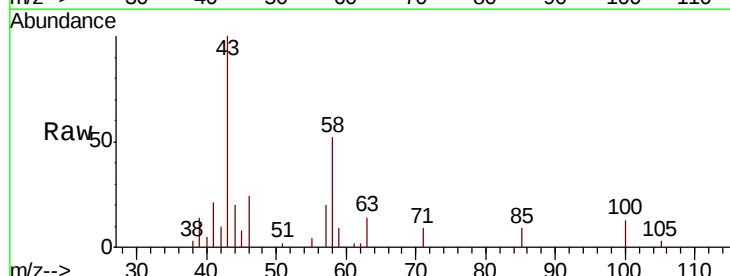
Ion Ratio Lower Upper

43 100

58 46.6 41.1 61.7

57 13.4 14.7 22.1#

100 12.5 8.6 12.8

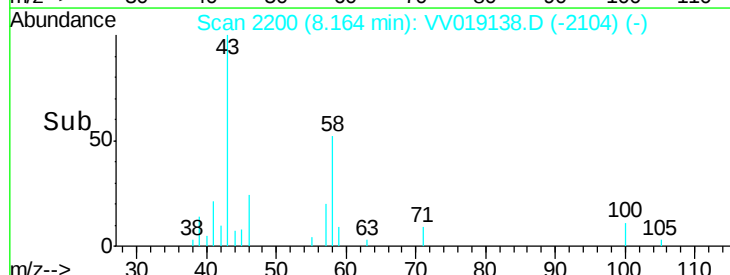
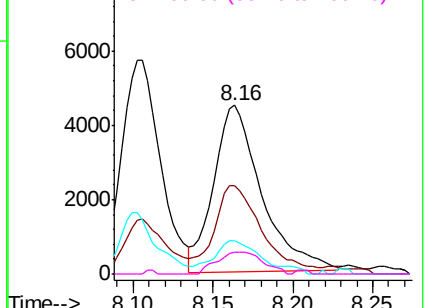


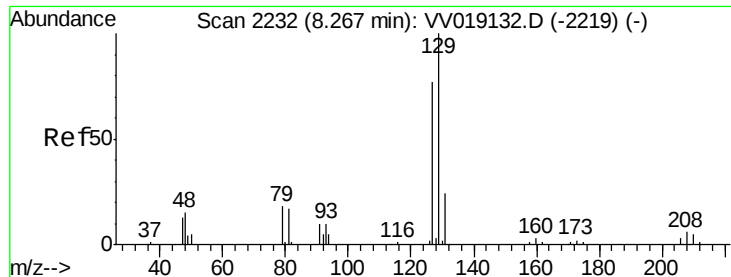
Abundance Ion 43.00 (42.70 to 43.70): VV0

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

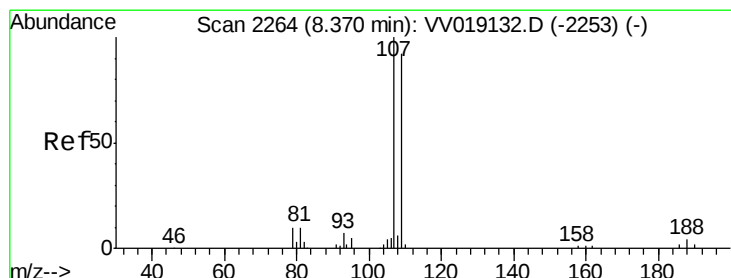
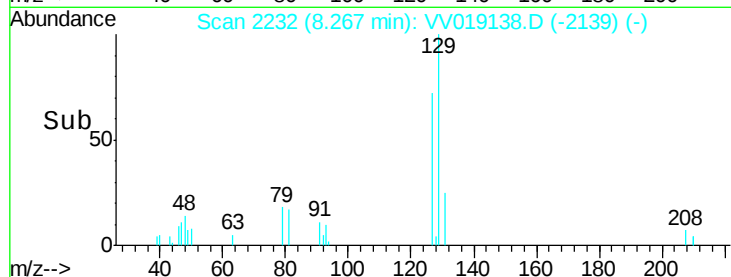
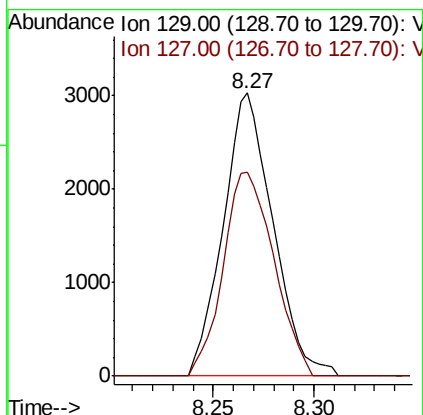
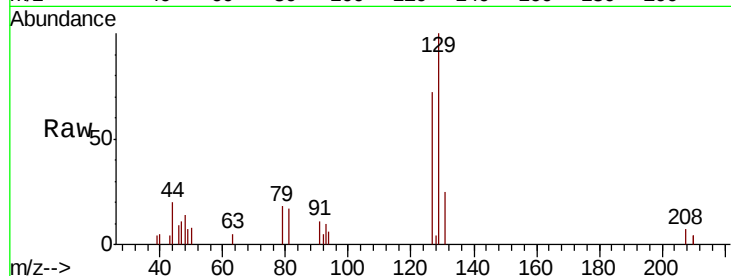




#49
Dibromochloromethane
Concen: 2.777 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

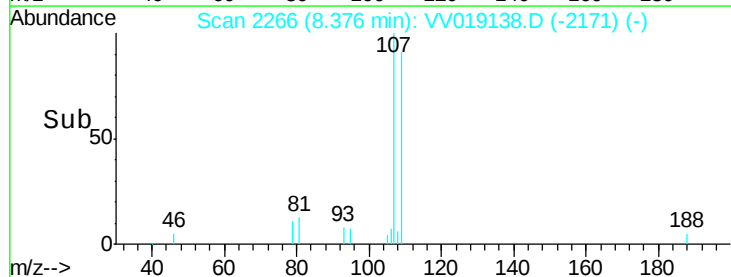
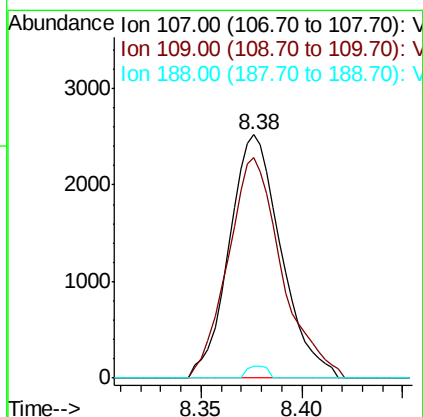
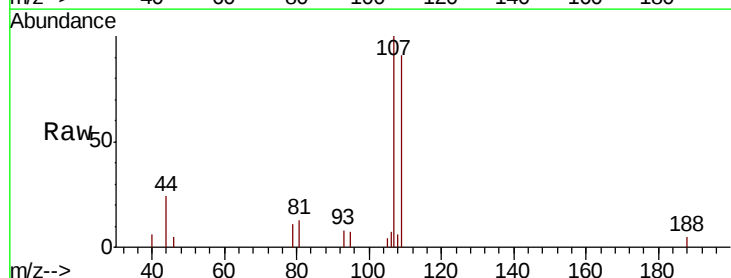
Instrument :
MSVOA_V
ClientSampleId :
MDL03

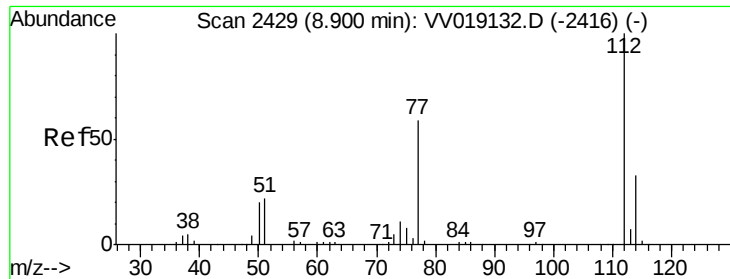
Tot Ion:129 Resp: 5218
Ion Ratio Lower Upper
129 100
127 72.2 53.7 99.7



#50
1,2-Dibromoethane
Concen: 2.546 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion:107 Resp: 4542
Ion Ratio Lower Upper
107 100
109 90.5 66.1 122.7
188 5.0 3.2 4.8#





#51

Chlorobenzene

Concen: 2.621 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

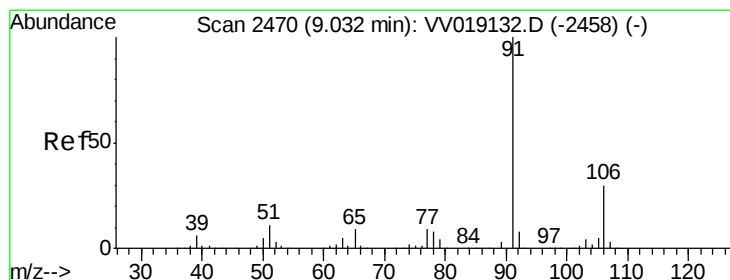
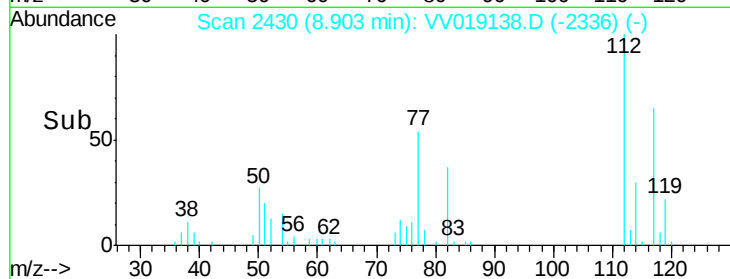
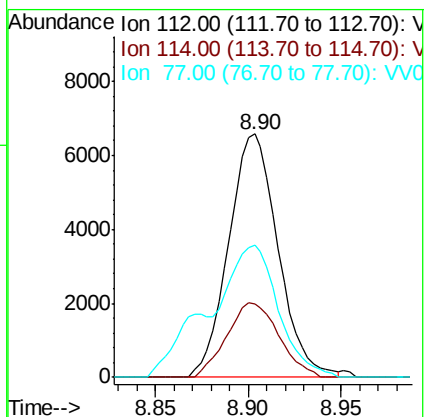
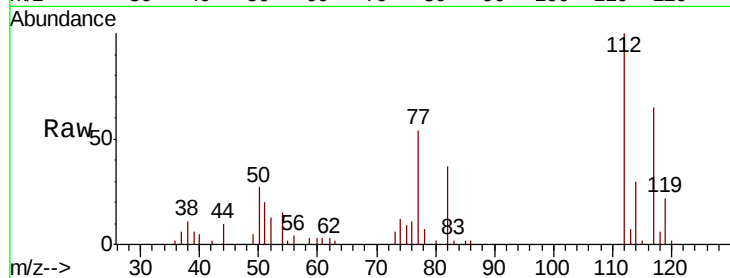
Tot Ion:112 Resp: 12199

Ion Ratio Lower Upper

112 100

114 30.2 22.2 41.2

77 54.2 49.1 73.7



#52

Ethylbenzene

Concen: 2.378 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019138.D

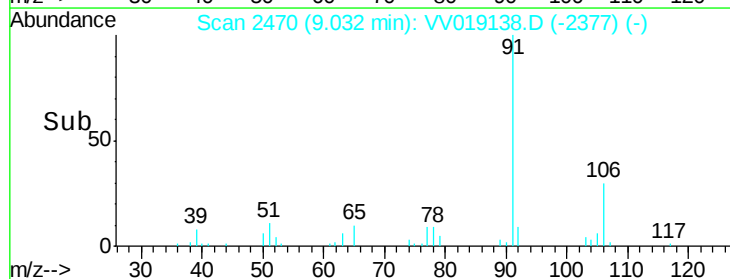
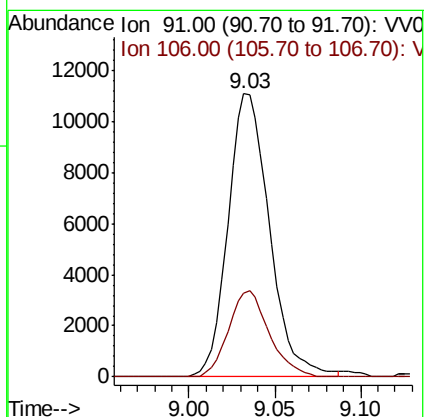
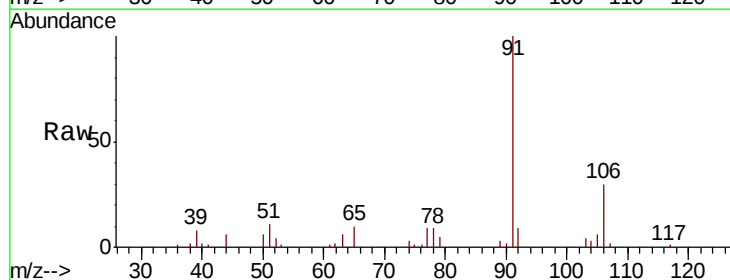
Acq: 28 Oct 2020 16:46

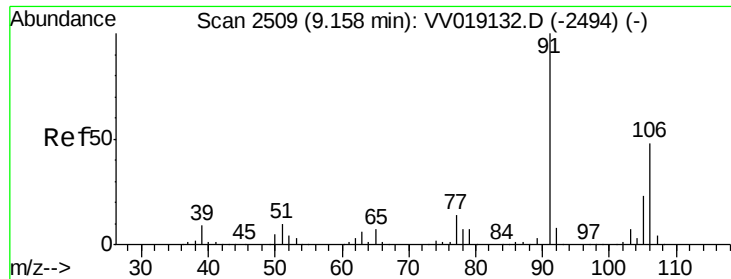
Tgt Ion: 91 Resp: 18655

Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.7





#53

m,p-Xylene

Concen: 2.409 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

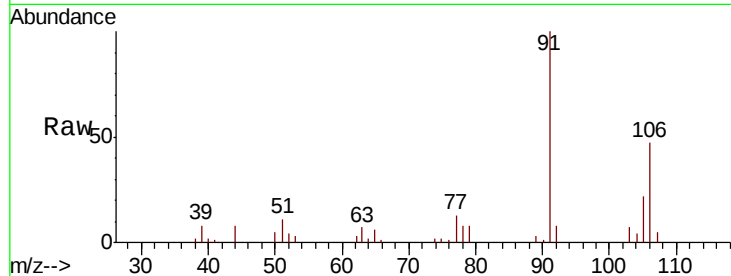
MDL03

Tot Ion:106 Resp: 6919

Ion Ratio Lower Upper

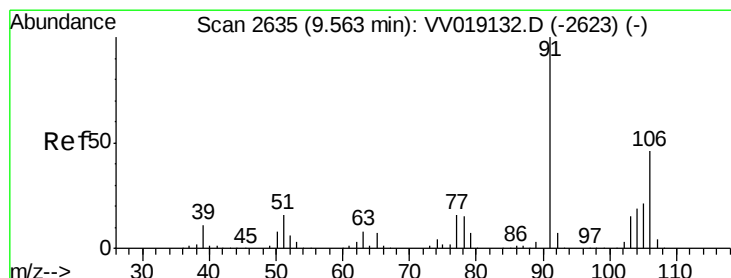
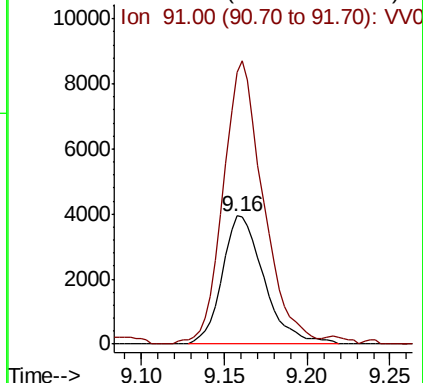
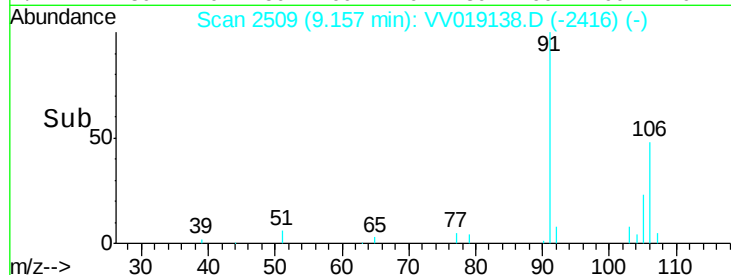
106 100

91 211.9 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.269 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019138.D

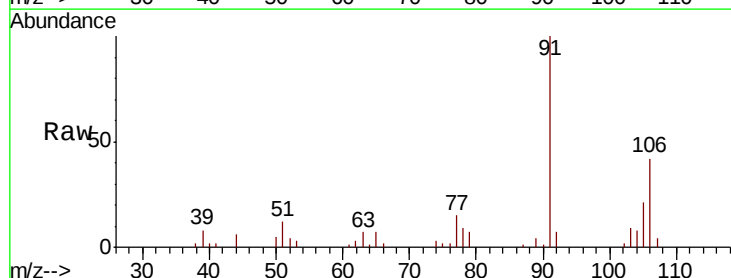
Acq: 28 Oct 2020 16:46

Tgt Ion:106 Resp: 6275

Ion Ratio Lower Upper

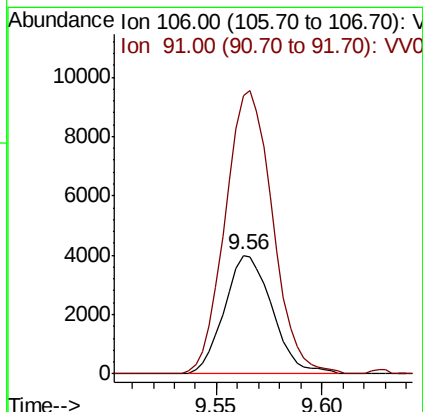
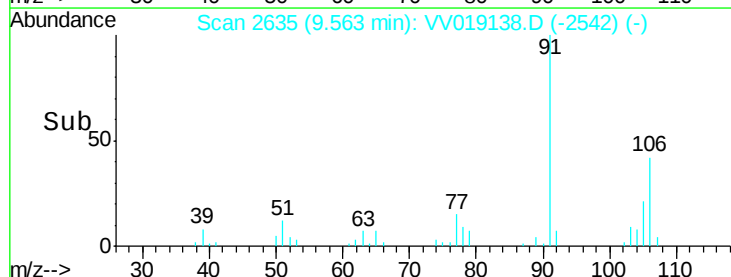
106 100

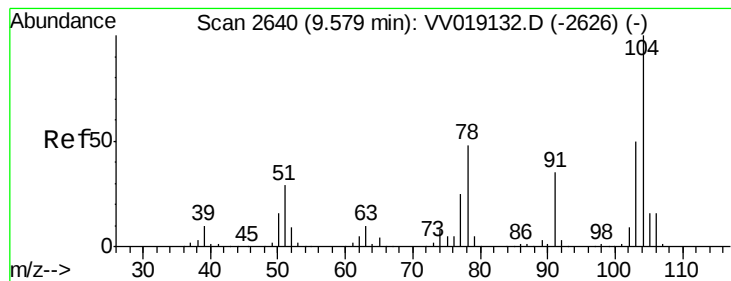
91 235.6 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 2.247 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

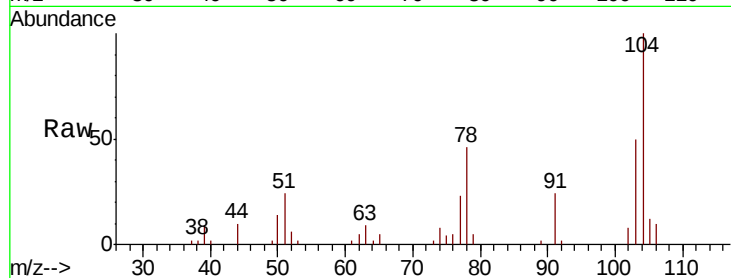
MDL03

Tot Ion:104 Resp: 11021

Ion Ratio Lower Upper

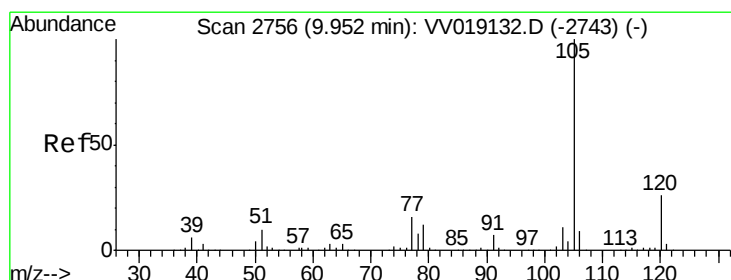
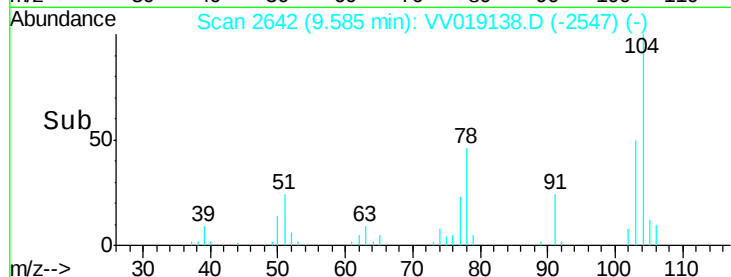
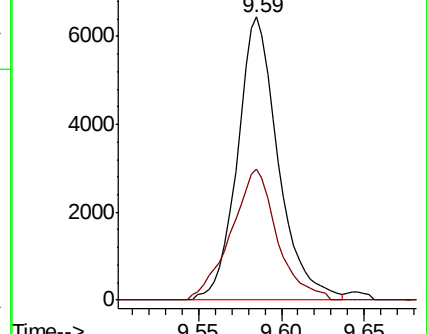
104 100

78 46.5 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 2.384 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

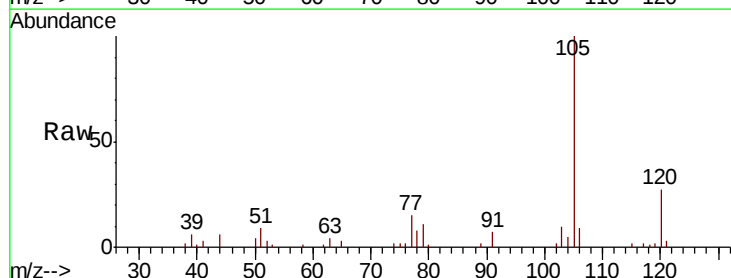
Tgt Ion:105 Resp: 17339

Ion Ratio Lower Upper

105 100

120 27.4 20.6 31.0

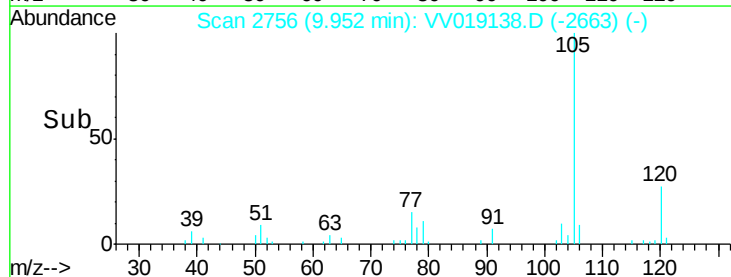
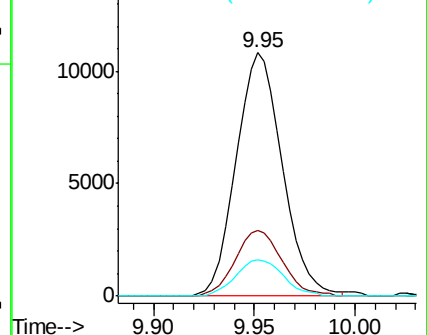
77 15.3 13.4 20.0

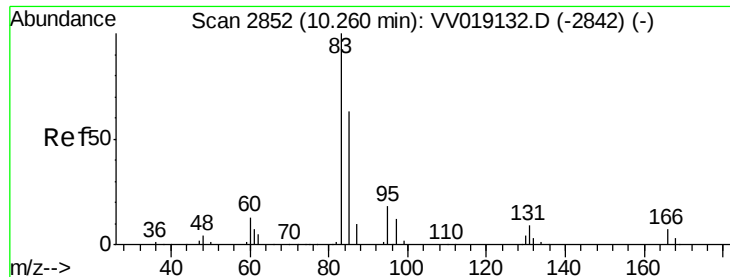


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.294 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

MDL03

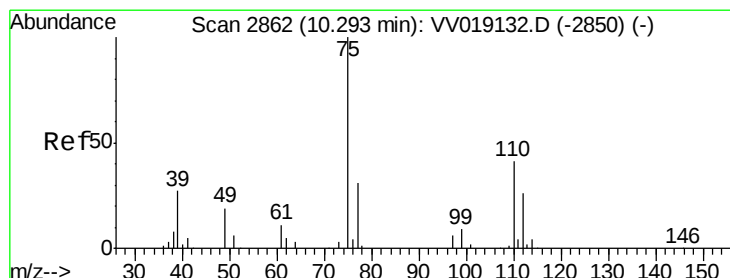
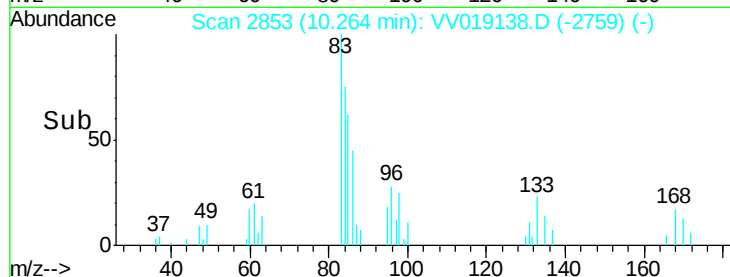
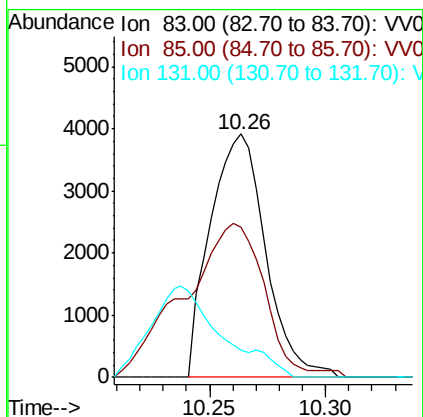
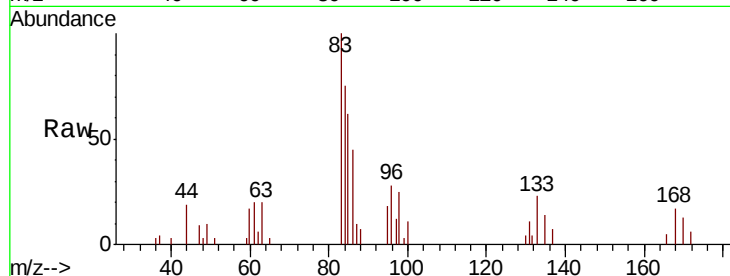
Tot Ion: 83 Resp: 6488

Ion Ratio Lower Upper

83 100

85 61.7 44.2 82.2

131 14.8 7.4 11.2#



#59

1,2,3-Trichloropropane

Concen: 2.431 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019138.D

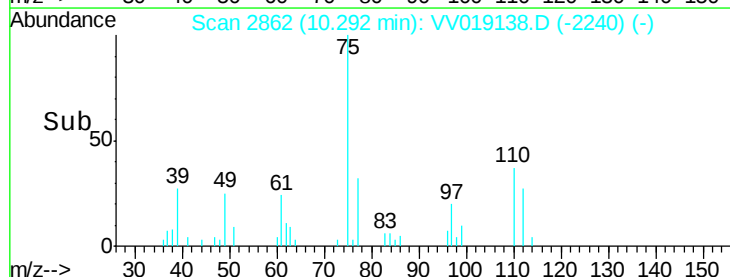
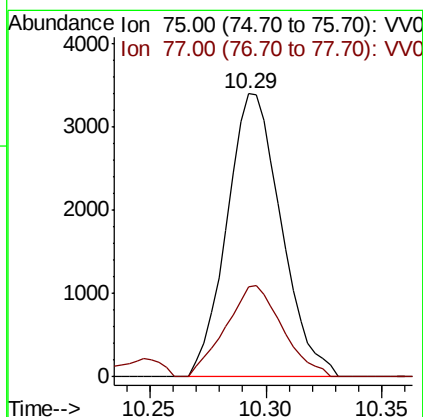
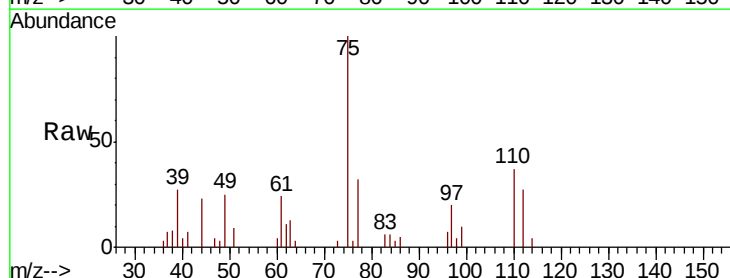
Acq: 28 Oct 2020 16:46

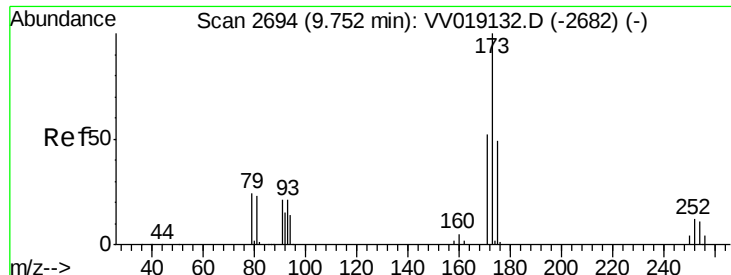
Tgt Ion: 75 Resp: 5532

Ion Ratio Lower Upper

75 100

77 33.8 25.9 38.9





#61

Bromoform

Concen: 2.618 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

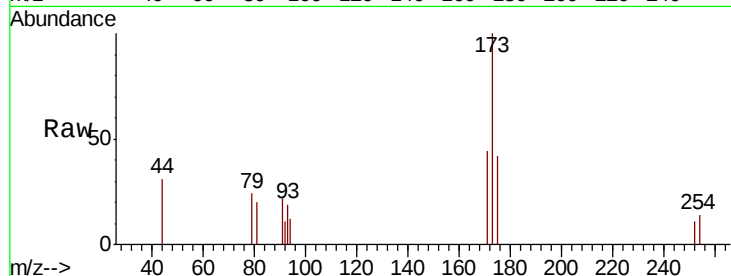
Tot Ion:173 Resp: 3554

Ion Ratio Lower Upper

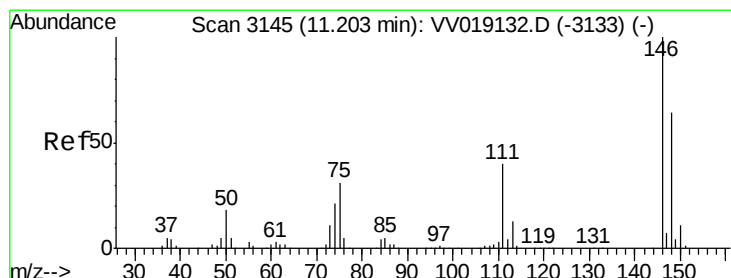
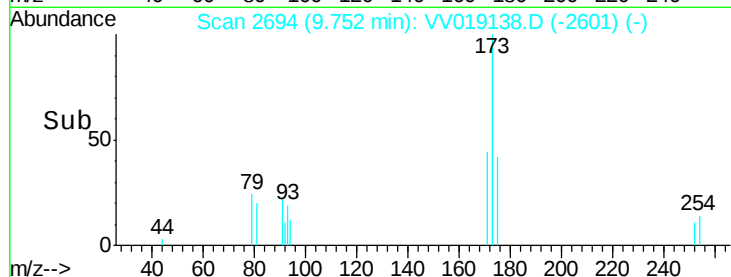
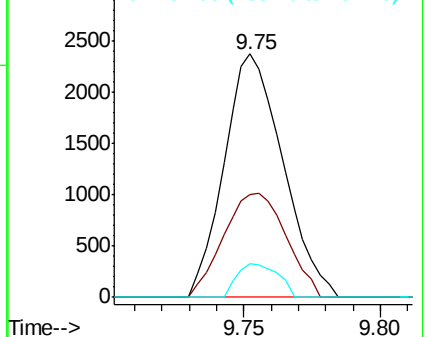
173 100

175 45.4 38.3 57.5

254 9.6 8.3 12.5



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: 2.634 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

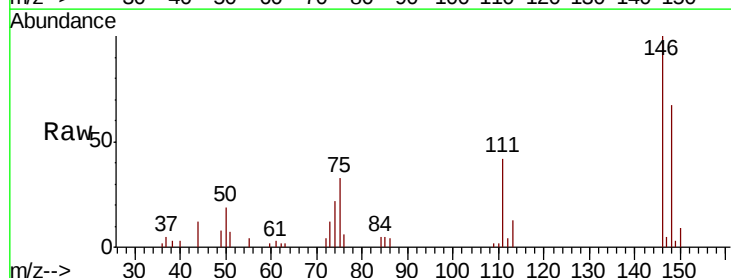
Tgt Ion:146 Resp: 9528

Ion Ratio Lower Upper

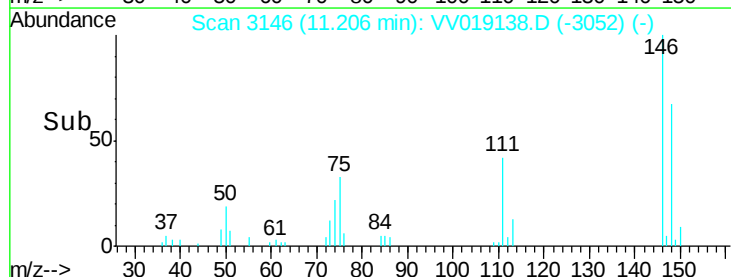
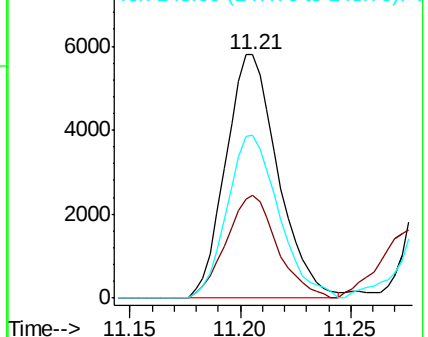
146 100

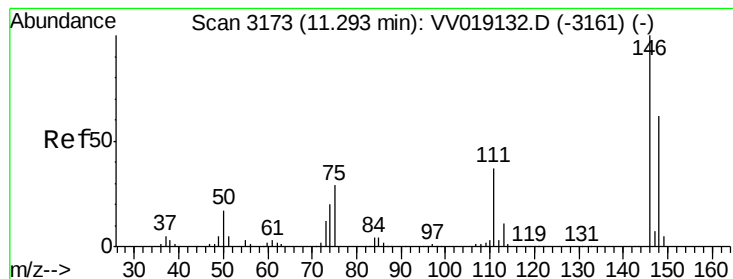
111 42.1 28.8 53.4

148 67.2 44.5 82.7



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: 2.888 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

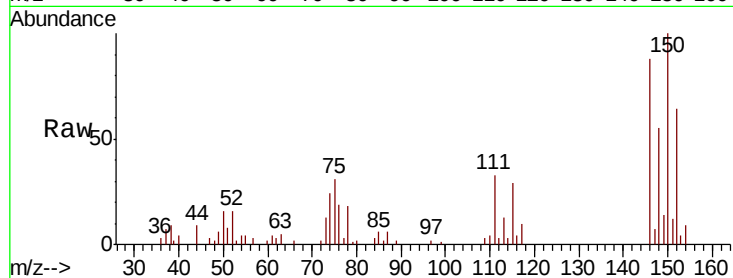
Tot Ion:146 Resp: 10914

Ion Ratio Lower Upper

146 100

111 37.4 27.8 51.6

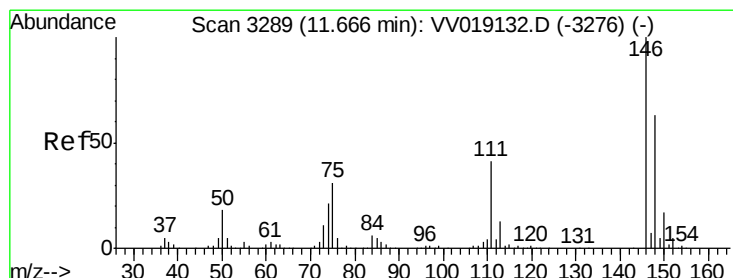
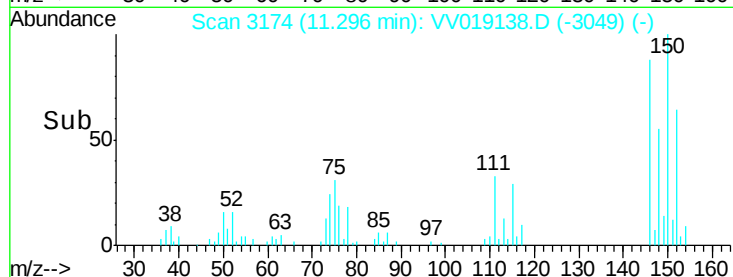
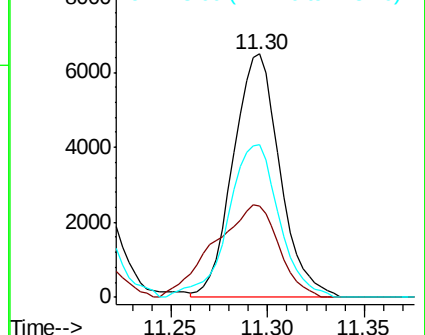
148 62.5 45.1 83.9



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: 2.855 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

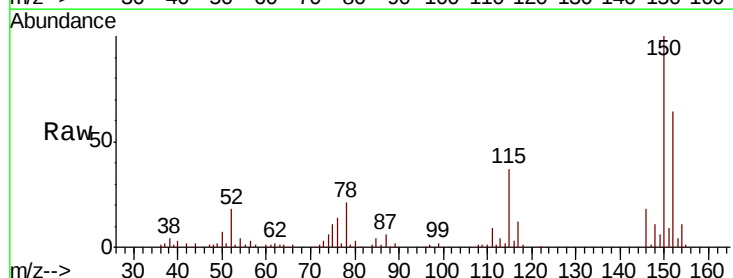
Tgt Ion:146 Resp: 10412

Ion Ratio Lower Upper

146 100

111 48.9 33.3 49.9

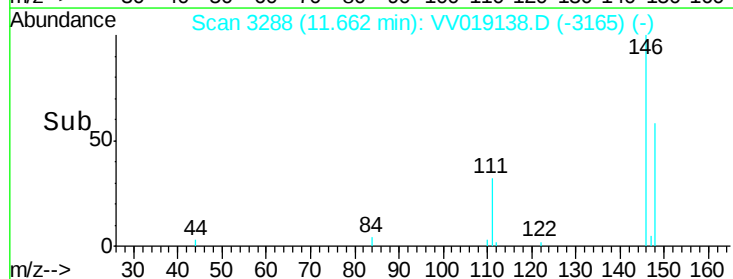
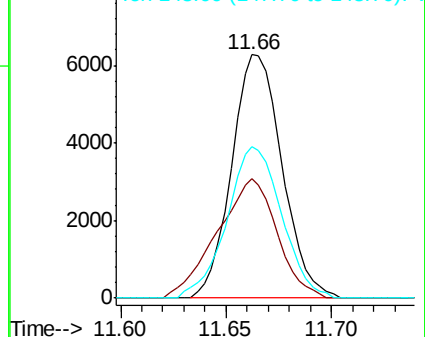
148 62.2 51.1 76.7

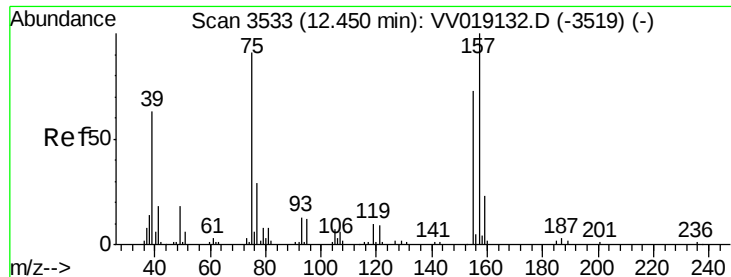


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

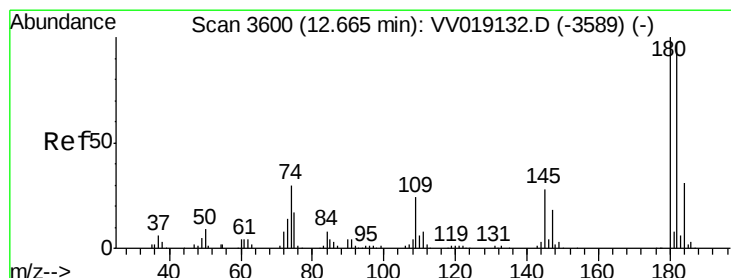
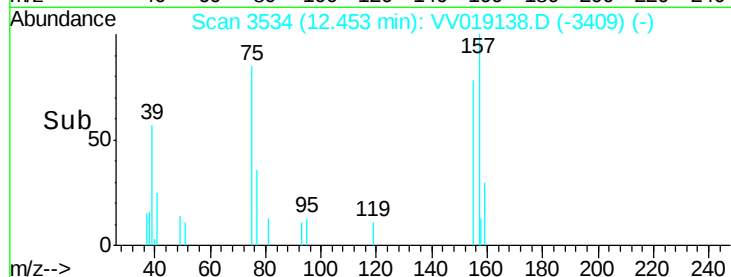
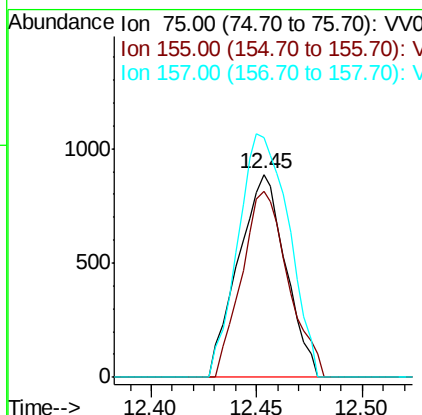
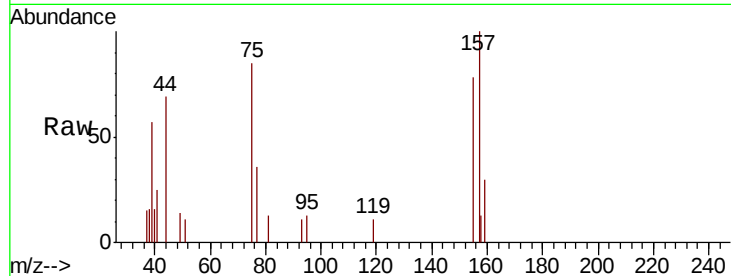




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.143 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

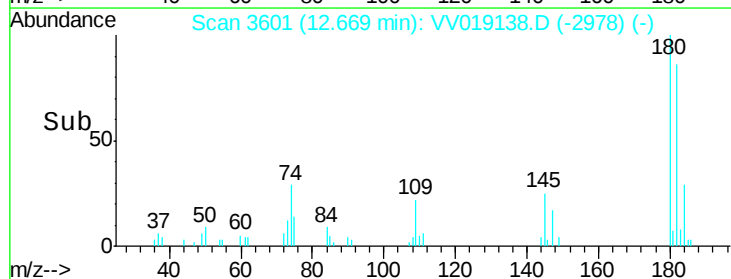
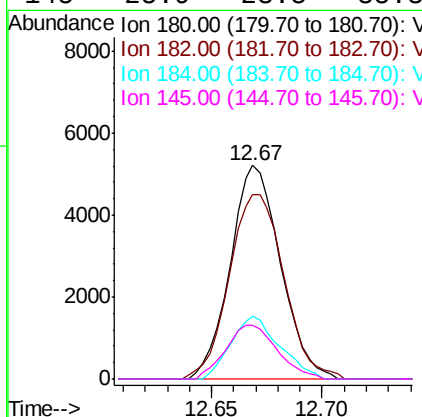
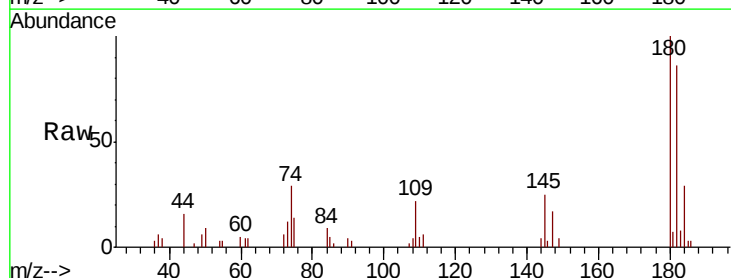
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

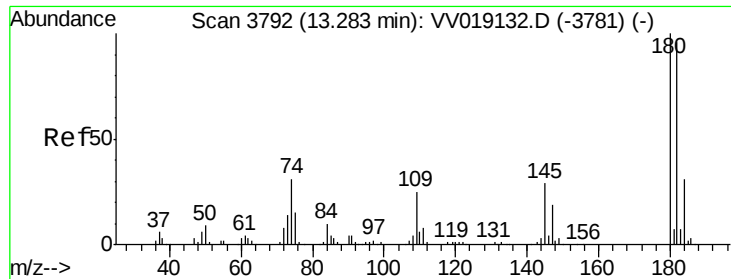
Tot Ion: 75 Resp: 1381
 Ion Ratio Lower Upper
 75 100
 155 92.0 62.2 93.4
 157 118.0 79.9 119.9



#67
 1,3,5-Trichlorobenzene
 Concen: 3.332 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion: 180 Resp: 8229
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.4 116.0
 184 28.6 24.7 37.1
 145 25.9 23.5 35.3





#68

1,2,4-trichlorobenzene

Concen: 3.086 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

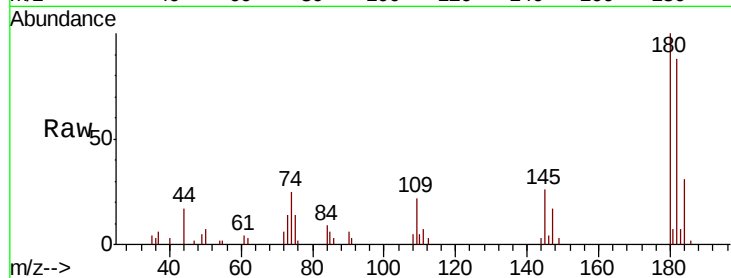
MSVOA_V

ClientSampleId :

MDL03

Tot Ion:180 Resp: 7188

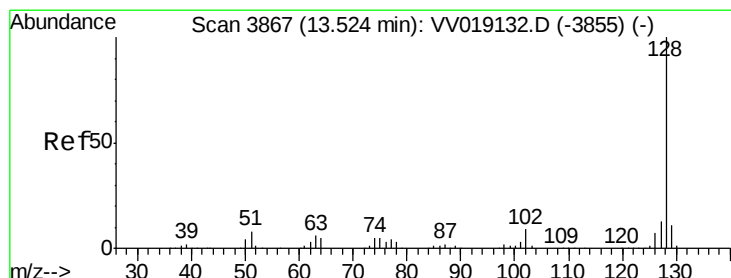
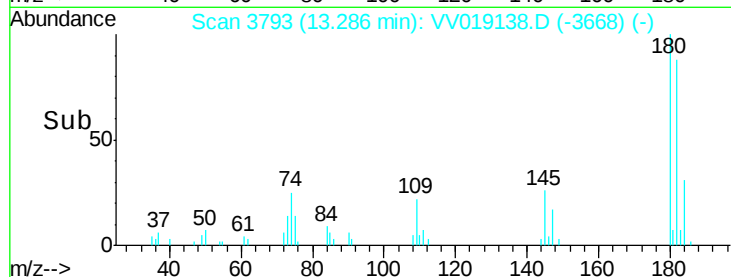
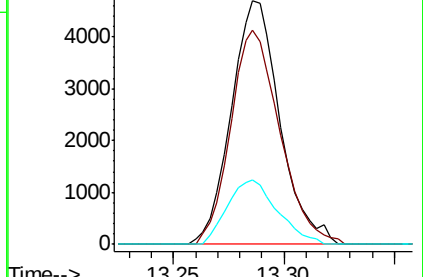
Ion	Ratio	Lower	Upper
180	100		
182	88.9	77.4	116.2
145	27.1	23.7	35.5



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: 1.903 ug/L

RT: 13.53 min Scan# 3869

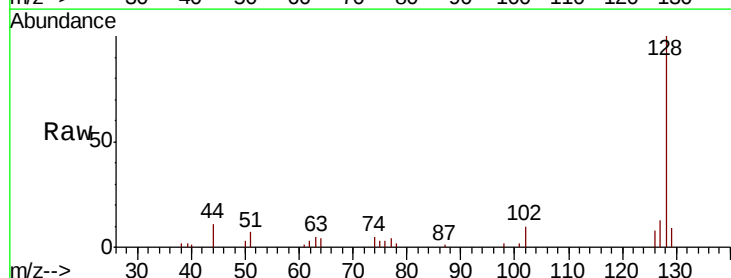
Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion:128 Resp: 13655

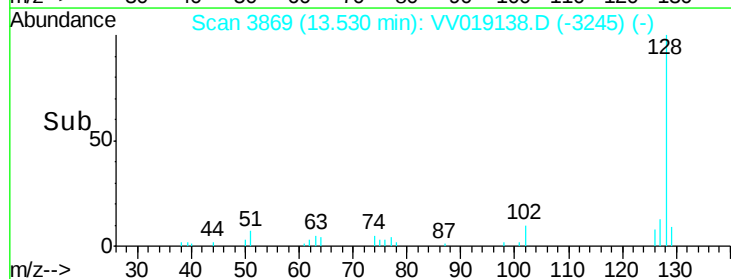
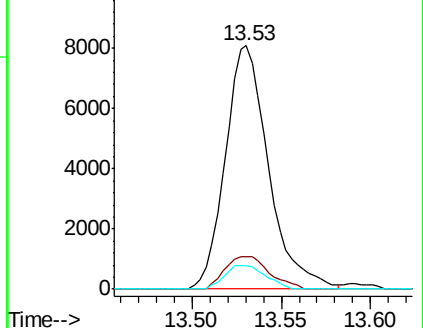
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	9.2	8.7	13.1

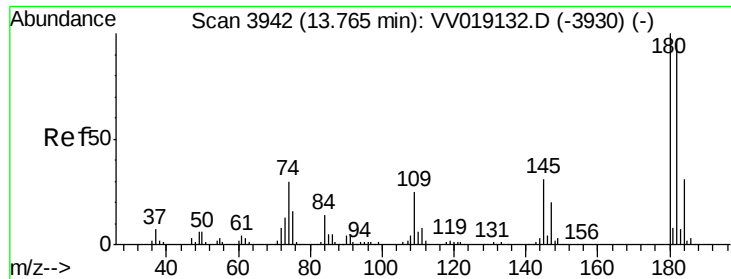


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70

1,2,3-Trichlorobenzene

Concen: 2.490 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

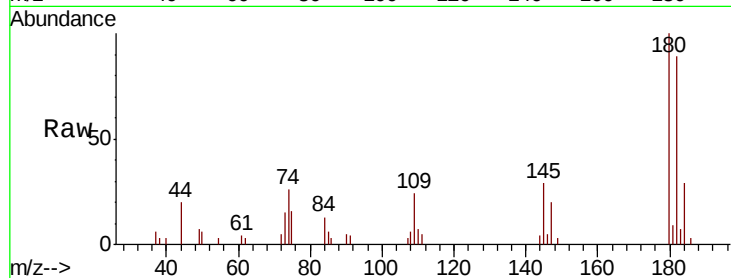
Tot Ion:180 Resp: 5875

Ion Ratio Lower Upper

180 100

182 93.0 76.9 115.3

145 29.2 25.6 38.4



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

