

Data File : VV013502.D
Acq On : 06 Nov 2019 16:46
Operator : SY/MD
Sample : MDL05
Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Quant Time: Nov 07 02:47:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:53:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	899761	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	852264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	402868	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	254061	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.44%
7) Chloroethane-d5	1.58	69	216332	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.88%
11) 1,1-Dichloroethene-d2	2.13	63	348218	37.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.58%
21) 2-Butanone-d5	3.92	46	439965	112.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.93%
24) Chloroform-d	4.40	84	554187	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
26) 1,2-Dichloroethane-d4	5.08	65	382853	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
32) Benzene-d6	5.10	84	1175951	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
36) 1,2-Dichloropropane-d6	6.11	67	378367	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.64%
41) Toluene-d8	7.36	98	1057181	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	7.66	79	169223	49.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.88%
47) 2-Hexanone-d5	8.13	63	262492	98.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.13%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	457727	49.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.82%
64) 1,2-Dichlorobenzene-d4	11.67	152	433239	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16878	2.254 ug/L	95
3) Chloromethane	1.25	50	16707	2.349 ug/L	100
5) Vinyl chloride	1.32	62	15864	2.387 ug/L #	41
6) Bromomethane	1.53	94	7695	2.413 ug/L	92
8) Chloroethane	1.60	64	8855	2.378 ug/L	94
9) Trichlorofluoromethane	1.77	101	20298	2.300 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15313	3.082 ug/L #	80
13) Acetone	2.18	43	15601	4.291 ug/L	95
14) Carbon disulfide	2.32	76	38713	2.332 ug/L	98
15) Methyl Acetate	2.46	43	13134	1.980 ug/L #	86
16) Methylene chloride	2.54	84	15767	2.456 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	13071	2.213 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	36799	2.043 ug/L	95
19) 1,1-Dichloroethane	3.23	63	24035	2.134 ug/L #	95
22) 2-Butanone	4.03	43	15894	3.300 ug/L	80
23) Bromochloromethane	4.29	128	3321	0.974 ug/L	90
25) Chloroform	4.42	83	51985	4.486 ug/L	97

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.18	62	19210	2.163	ug/L	99
29) Cyclohexane	4.72	56	19462	1.988	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	20602	2.172	ug/L	93
31) Carbon tetrachloride	4.87	117	18530	2.191	ug/L	99
33) Benzene	5.15	78	53433	2.208	ug/L	100
34) Trichloroethene	5.96	95	15527	2.415	ug/L	93
35) Methylcyclohexane	6.18	83	20966	2.115	ug/L	97
37) 1,2-Dichloropropane	6.22	63	13680	2.148	ug/L #	89
38) Bromodichloromethane	6.56	83	18090	2.160	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	20622	2.131	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	33111	4.033	ug/L	97
42) Toluene	7.43	91	57266	2.271	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	18907	2.245	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	12846	2.154	ug/L	96
46) Tetrachloroethene	8.02	164	12950	2.360	ug/L	92
48) 2-Hexanone	8.18	43	49136	7.578	ug/L #	91
49) Dibromochloromethane	8.29	129	13567	1.978	ug/L	92
50) 1,2-Dibromoethane	8.40	107	13628	2.177	ug/L #	98
51) Chlorobenzene	8.92	112	37304	2.226	ug/L	98
52) Ethylbenzene	9.05	91	54515	1.992	ug/L	97
53) m,p-Xylene	9.18	106	20001	1.926	ug/L	99
54) o-xylene	9.59	106	19461	1.954	ug/L	92
55) Styrene	9.60	104	29866	1.734	ug/L	94
56) Isopropylbenzene	9.97	105	47693	1.823	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	22273	2.473	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	17080	2.278	ug/L	98
61) Bromoform	9.77	173	10714	2.268	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	27471	2.250	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	30697	2.427	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	30922	2.529	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	3556	2.108	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	21479	2.252	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	18282	2.188	ug/L	99
69) Naphthalene	13.55	128	40915	1.832	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	18315	2.064	ug/L	95

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

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ALS Vial      : 15      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
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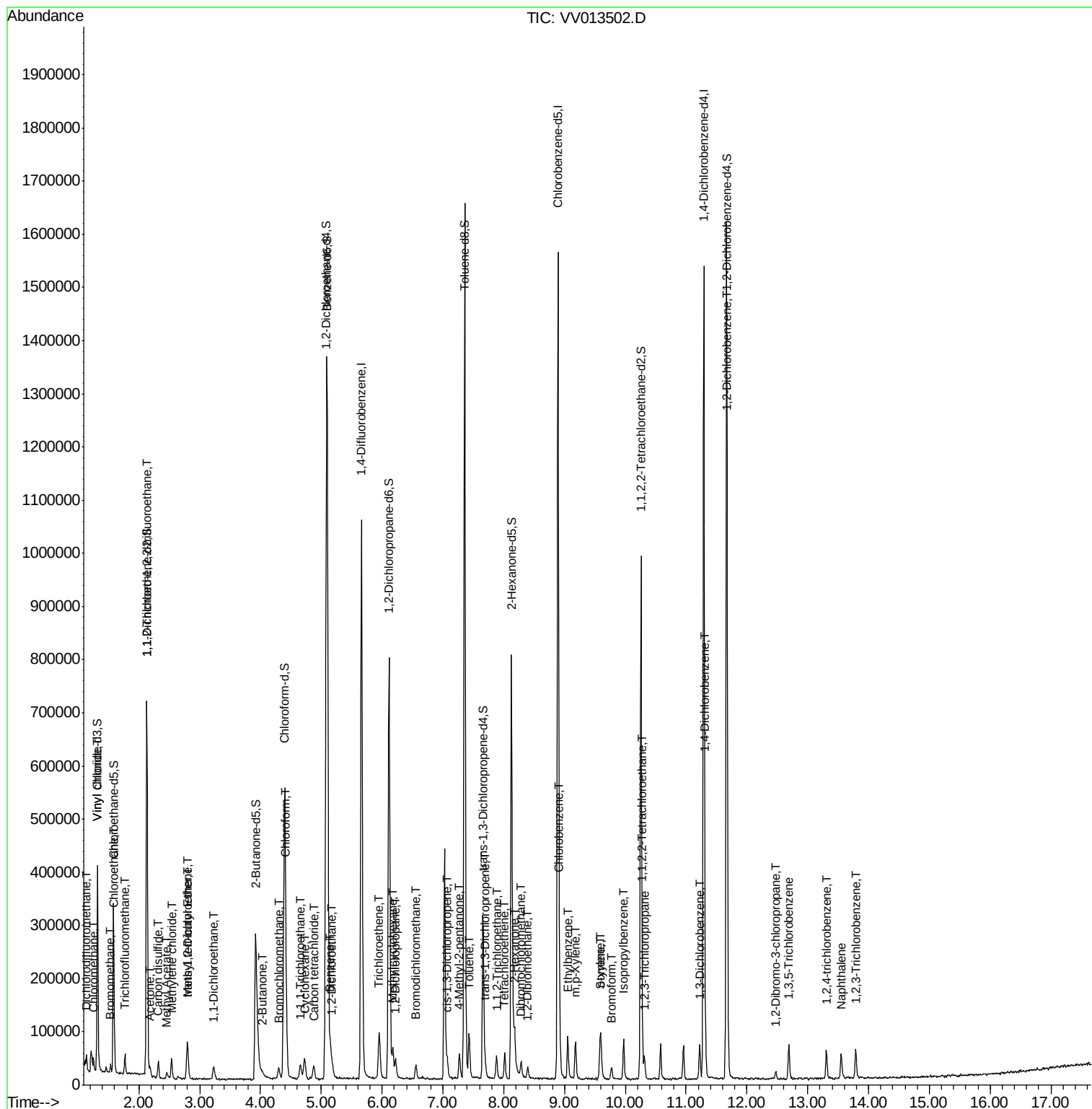
Quant Time: Nov 07 02:47:59 2019

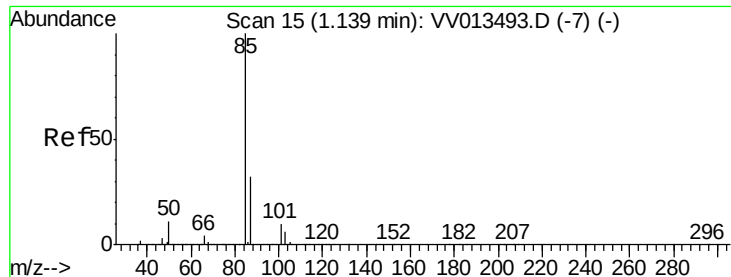
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Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 2.254 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

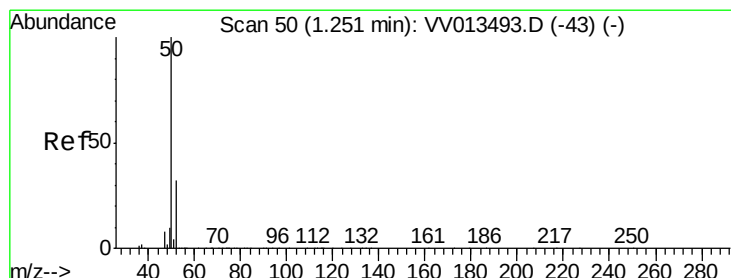
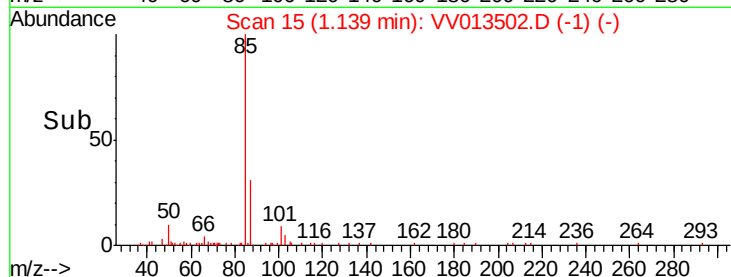
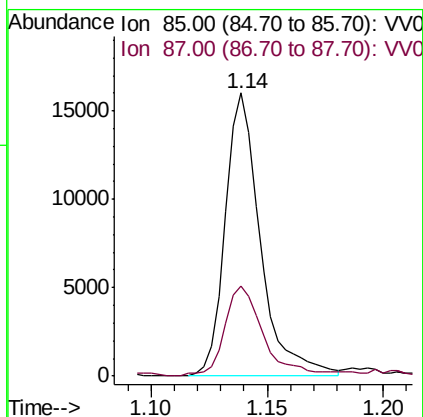
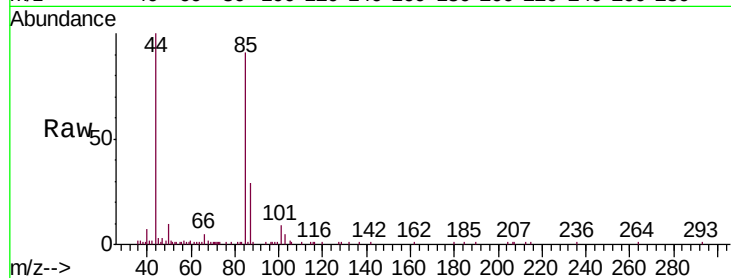
MDL05

Tgt Ion: 85 Resp: 16878

Ion Ratio Lower Upper

85 100

87 34.5 25.4 38.0



#3

Chloromethane

Concen: 2.349 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013502.D

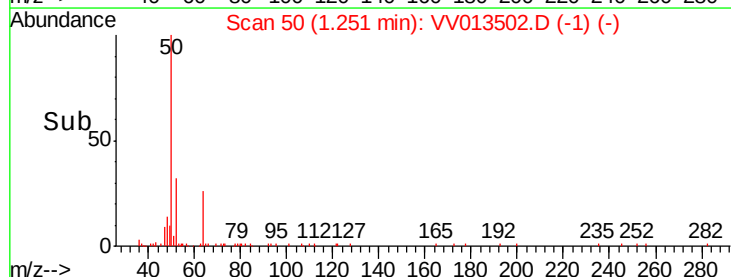
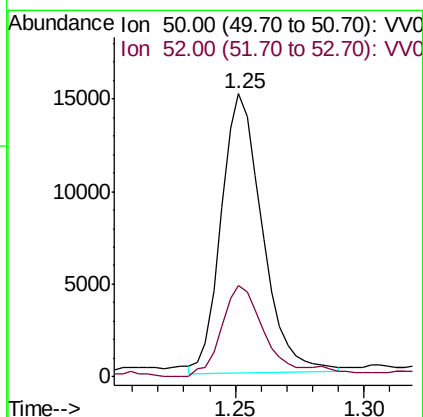
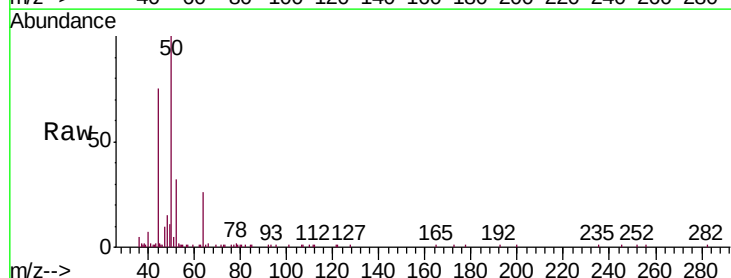
Acq: 06 Nov 2019 16:46

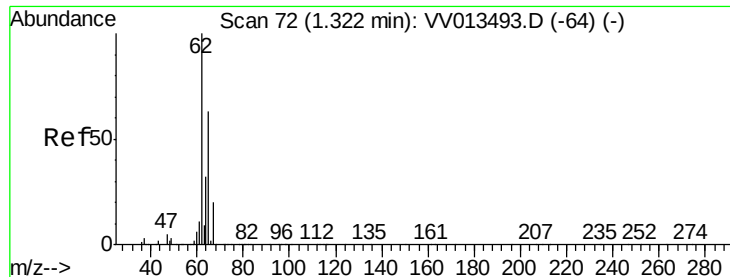
Tgt Ion: 50 Resp: 16707

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9





#5

Vinyl chloride

Concen: 2.387 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

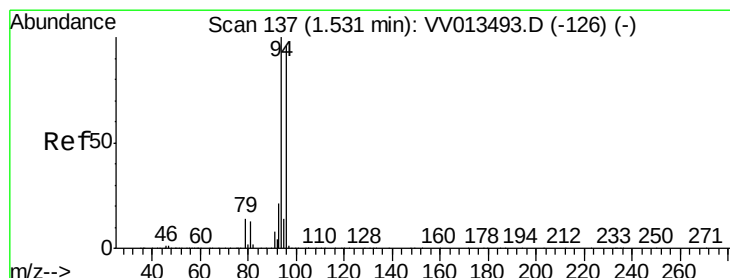
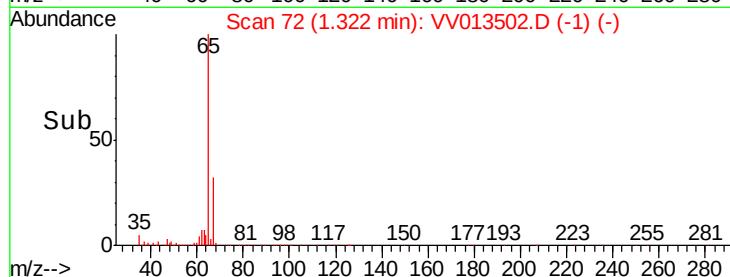
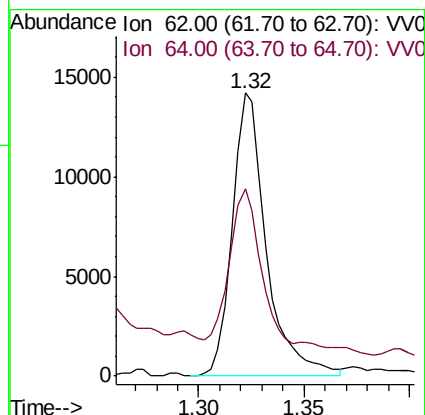
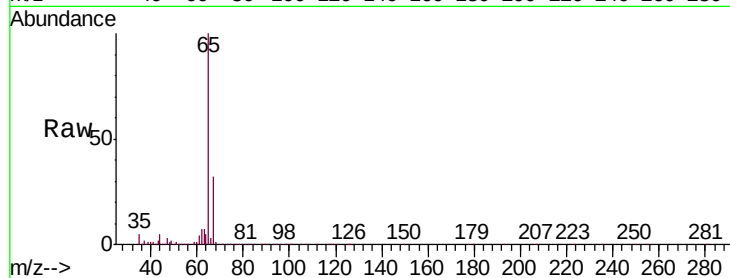
MDL05

Tgt Ion: 62 Resp: 15864

Ion Ratio Lower Upper

62 100

64 66.4 23.1 42.9#



#6

Bromomethane

Concen: 2.413 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013502.D

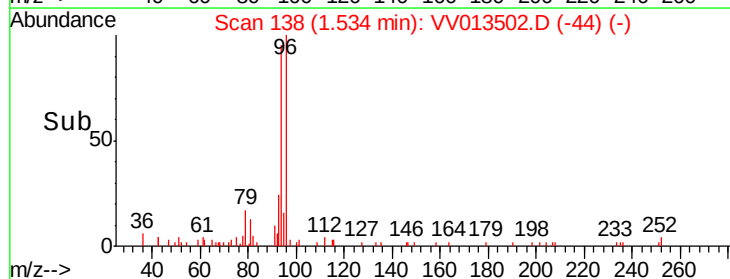
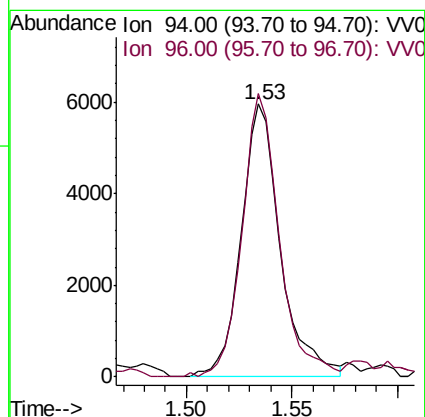
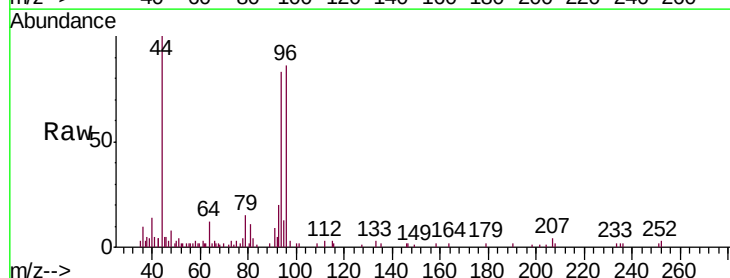
Acq: 06 Nov 2019 16:46

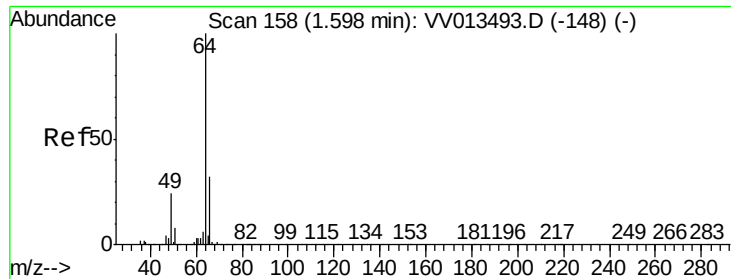
Tgt Ion: 94 Resp: 7695

Ion Ratio Lower Upper

94 100

96 103.8 67.4 125.2

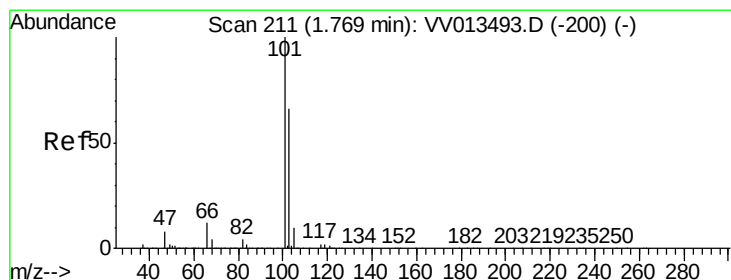
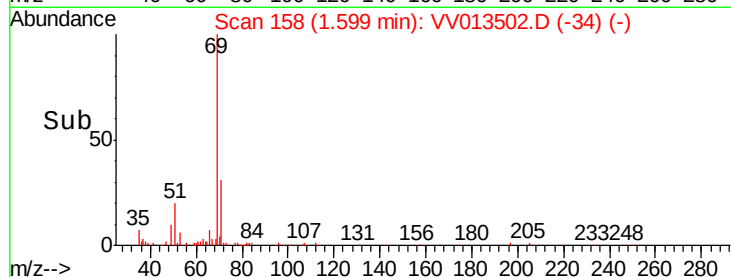
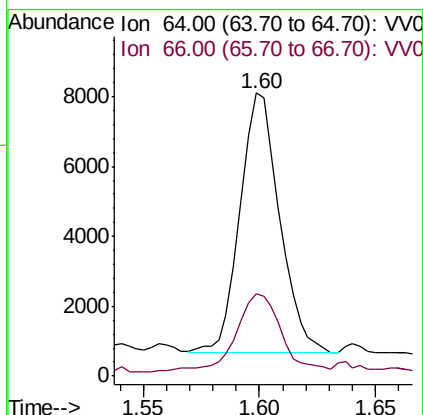
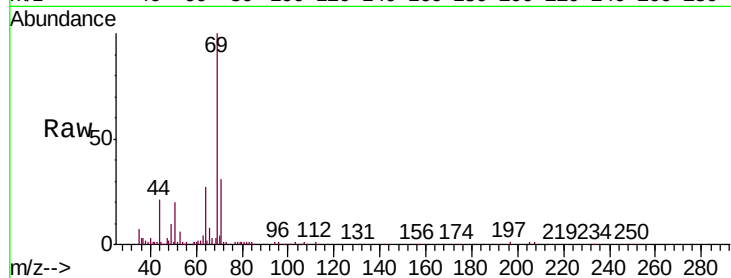




#8
Chloroethane
Concen: 2.378 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

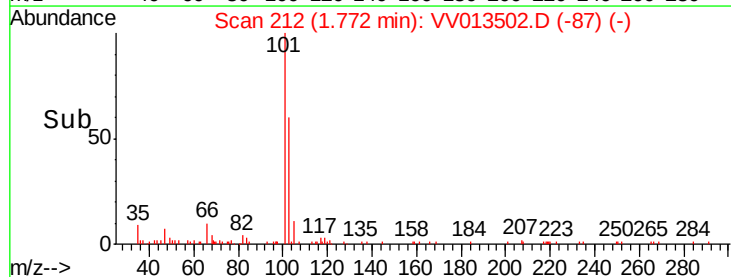
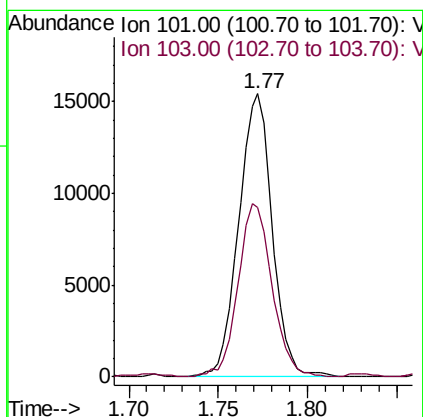
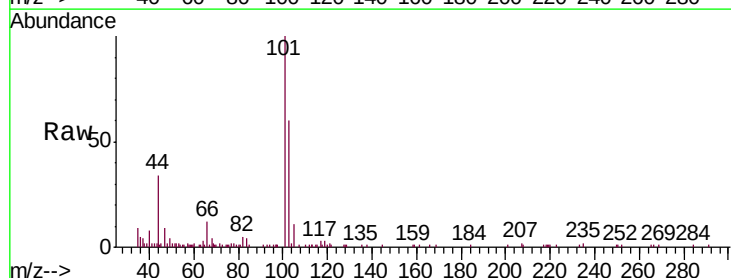
Instrument :
MSVOA_V
ClientSampleId :
MDL05

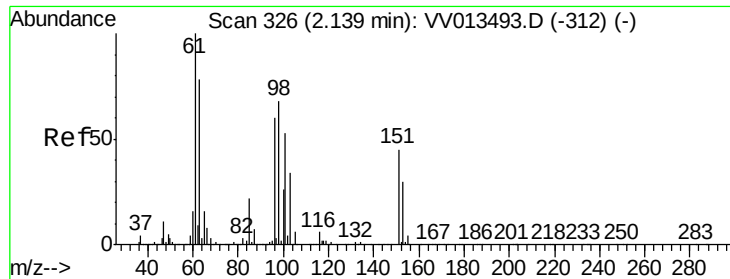
Tgt Ion: 64 Resp: 8855
Ion Ratio Lower Upper
64 100
66 29.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.300 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion: 101 Resp: 20298
Ion Ratio Lower Upper
101 100
103 62.1 52.5 78.7





#10

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

Concen: 3.082 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampled :

MDL05

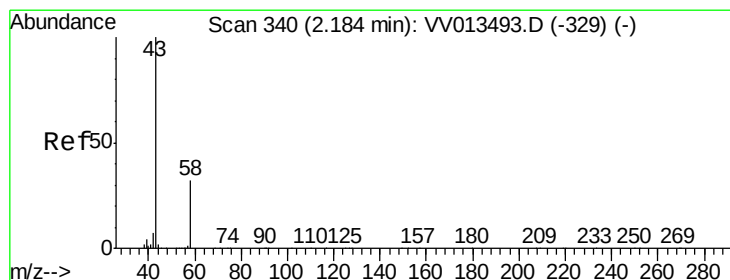
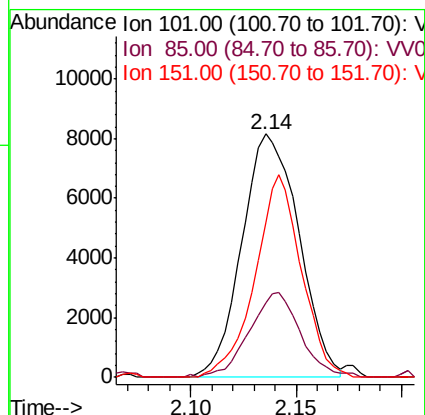
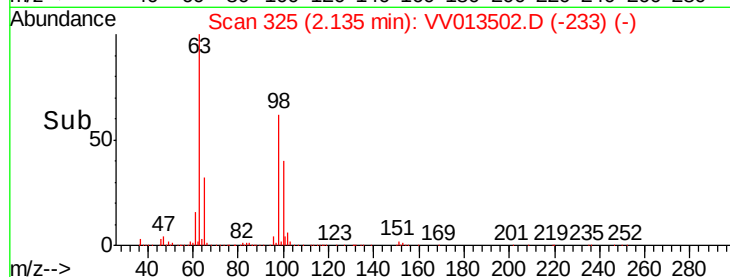
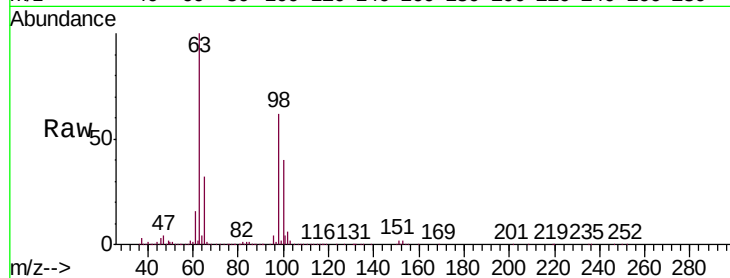
Tgt Ion: 101 Resp: 15313

Ion Ratio Lower Upper

101 100

85 31.2 33.3 49.9#

151 67.5 69.5 104.3#



#13

Acetone

Concen: 4.291 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013502.D

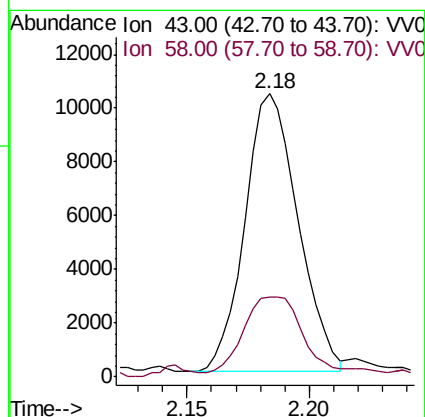
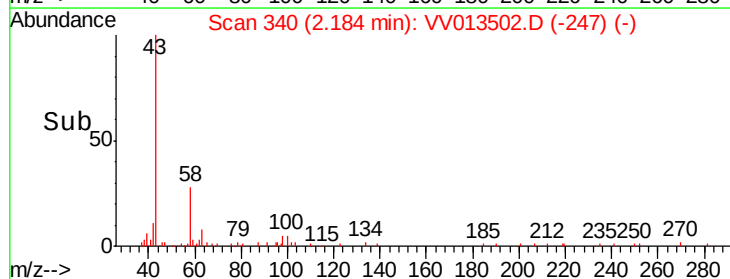
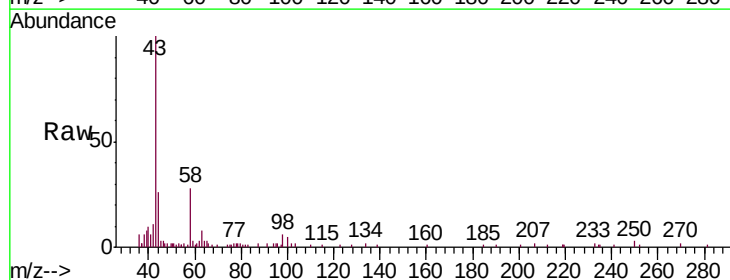
Acq: 06 Nov 2019 16:46

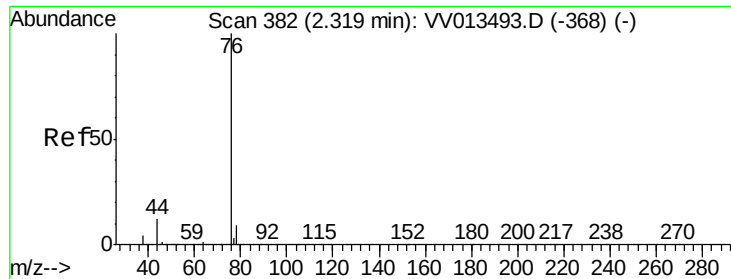
Tgt Ion: 43 Resp: 15601

Ion Ratio Lower Upper

43 100

58 29.6 0.0 65.2





#14

Carbon disulfide

Concen: 2.332 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

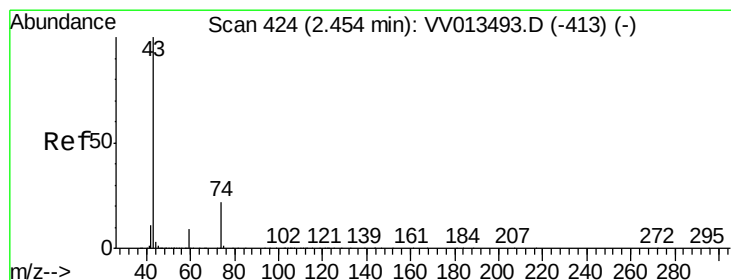
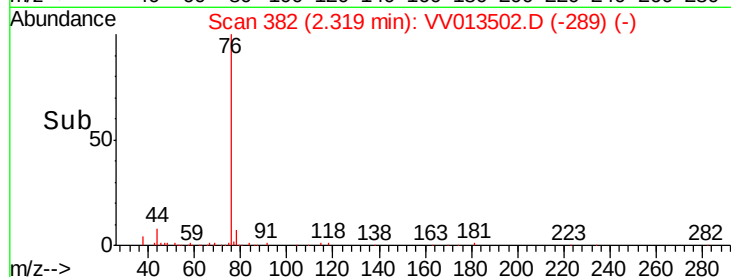
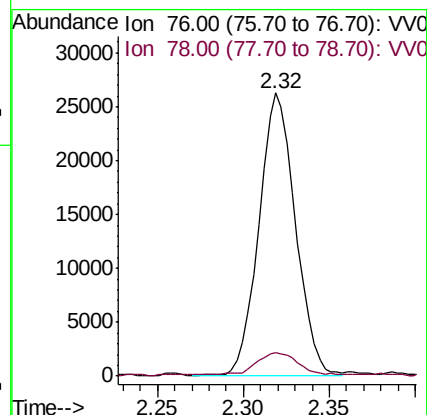
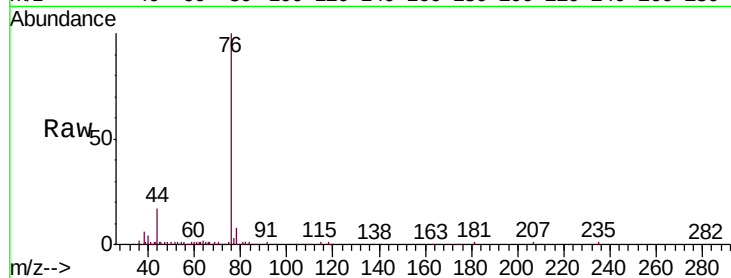
MDL05

Tgt Ion: 76 Resp: 38713

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9



#15

Methyl Acetate

Concen: 1.980 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV013502.D

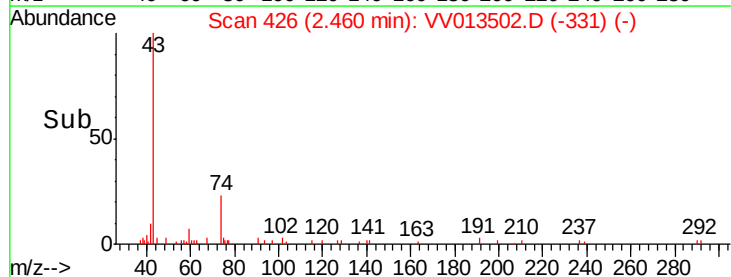
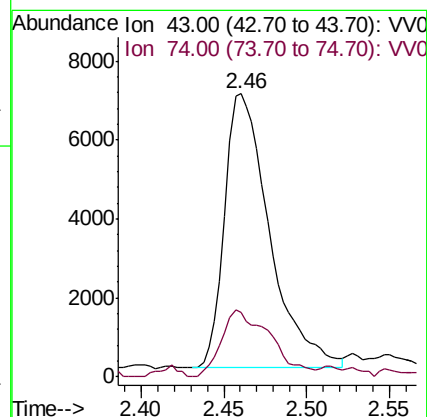
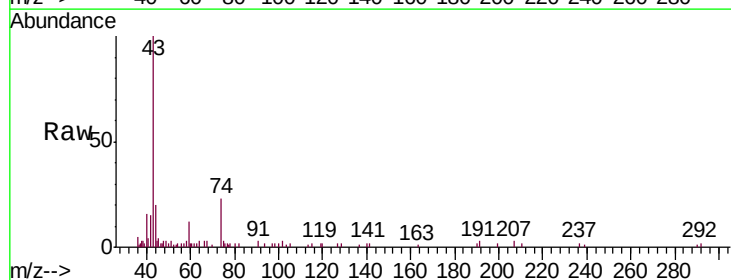
Acq: 06 Nov 2019 16:46

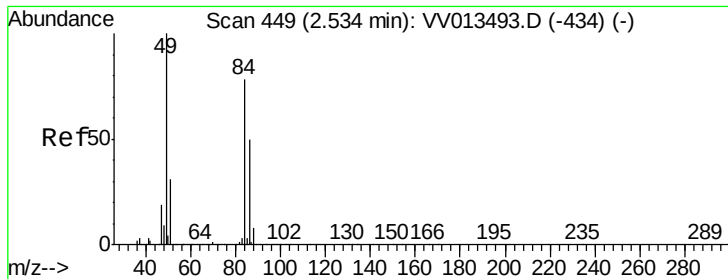
Tgt Ion: 43 Resp: 13134

Ion Ratio Lower Upper

43 100

74 15.3 17.7 26.5#

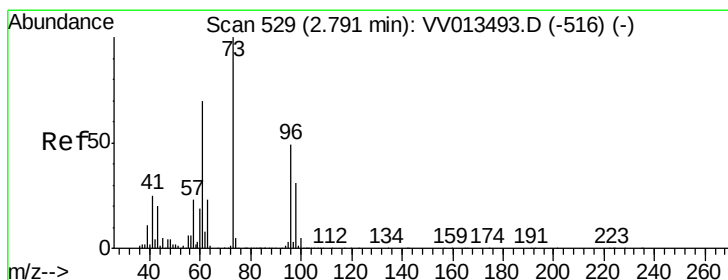
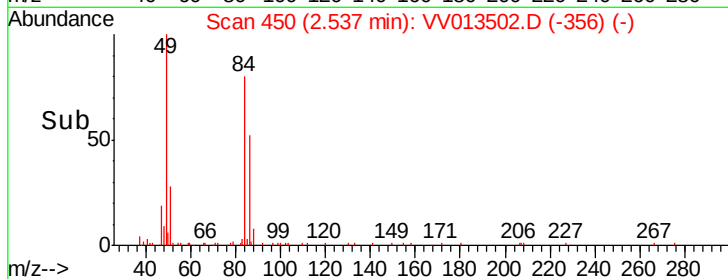
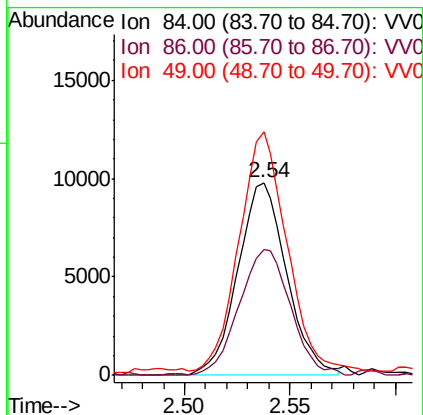
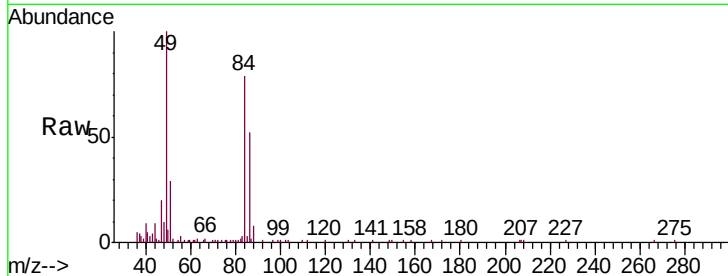




#16
Methylene chloride
Concen: 2.456 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

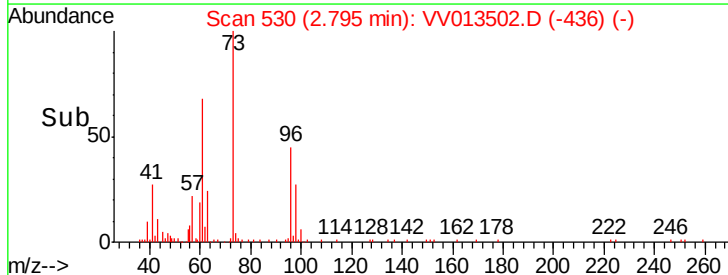
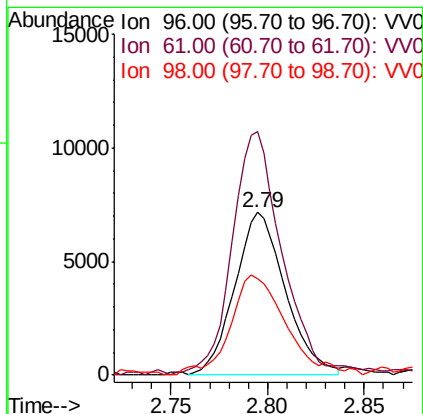
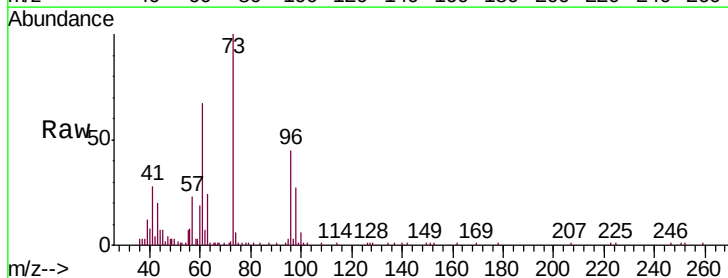
Instrument :
MSVOA_V
ClientSampleId :
MDL05

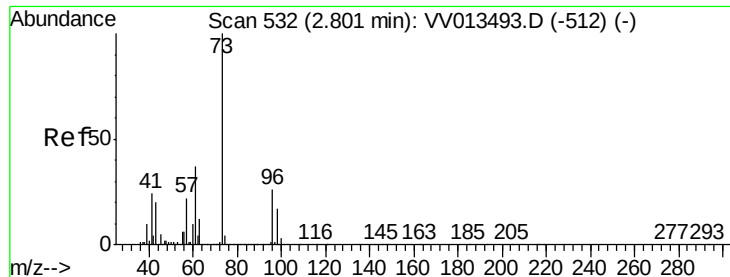
Tgt Ion: 84 Resp: 15767
Ion Ratio Lower Upper
84 100
86 65.2 44.7 83.1
49 126.3 89.2 165.8



#17
trans-1,2-Dichloroethene
Concen: 2.213 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion: 96 Resp: 13071
Ion Ratio Lower Upper
96 100
61 149.8 100.4 186.6
98 59.6 44.7 83.1

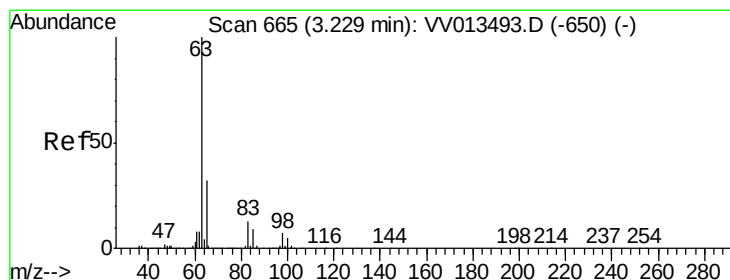
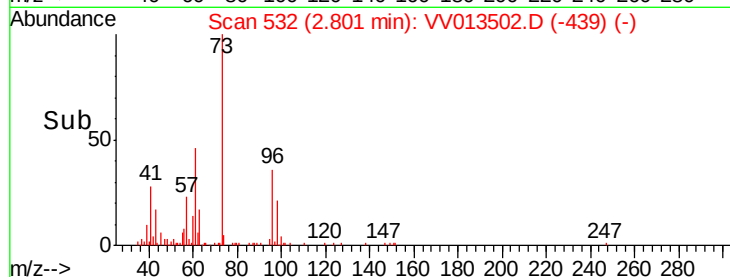
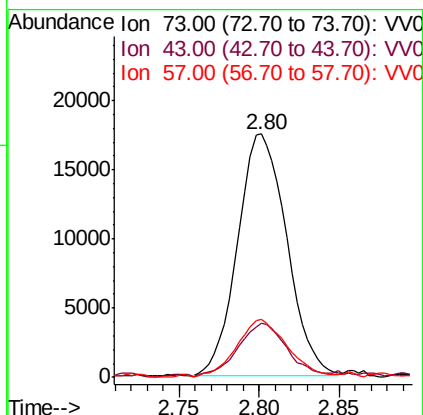
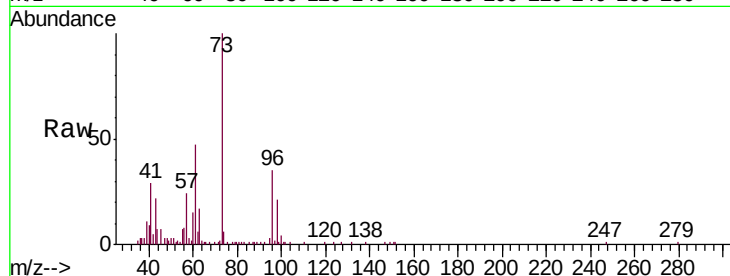




#18
Methyl tert-butyl Ether
Concen: 2.043 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

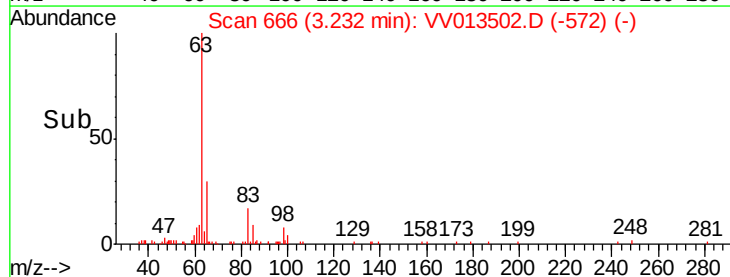
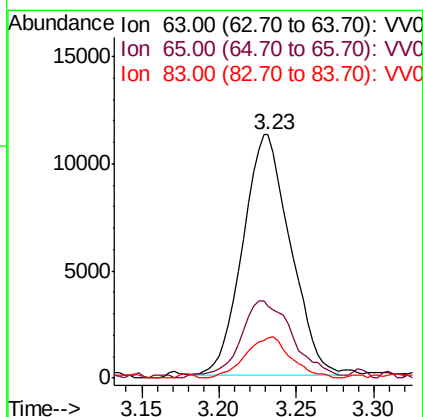
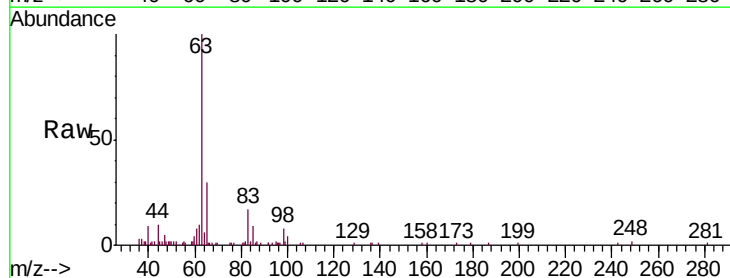
Instrument :
MSVOA_V
ClientSampleId :
MDL05

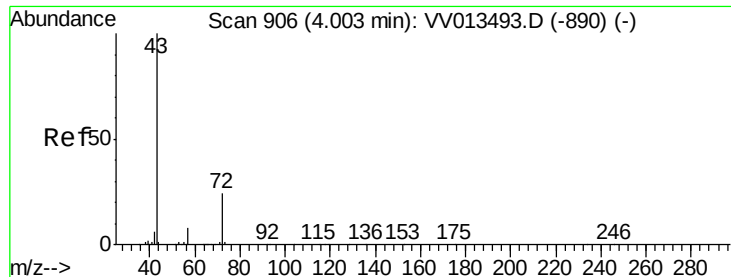
Tgt Ion: 73 Resp: 36799
Ion Ratio Lower Upper
73 100
43 22.3 15.7 23.5
57 24.6 18.1 27.1



#19
1,1-Dichloroethane
Concen: 2.134 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion: 63 Resp: 24035
Ion Ratio Lower Upper
63 100
65 29.8 22.2 41.2
83 16.7 8.9 16.5#





#22

2-Butanone

Concen: 3.300 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

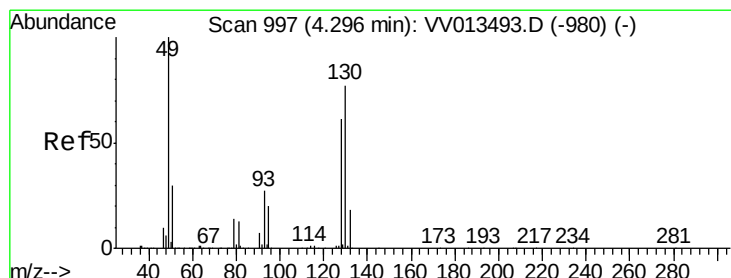
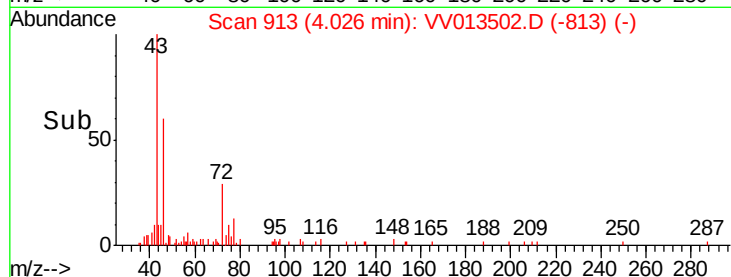
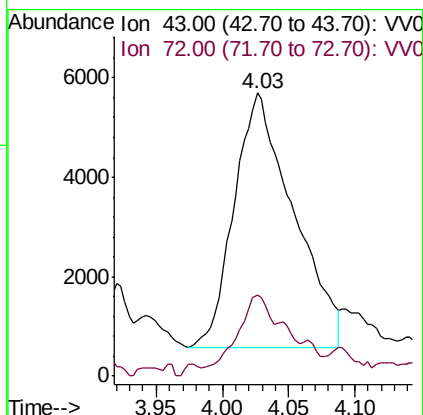
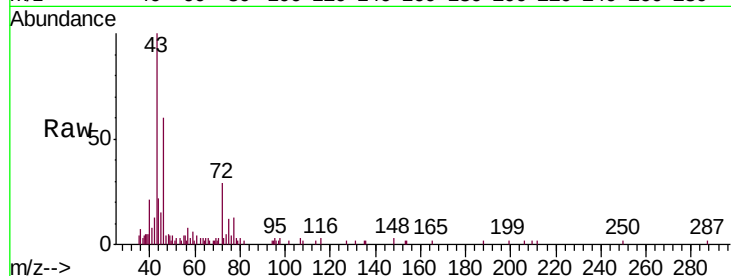
MDL05

Tgt Ion: 43 Resp: 15894

Ion Ratio Lower Upper

43 100

72 14.8 12.3 36.9



#23

Bromochloromethane

Concen: 0.974 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Tgt Ion: 128 Resp: 3321

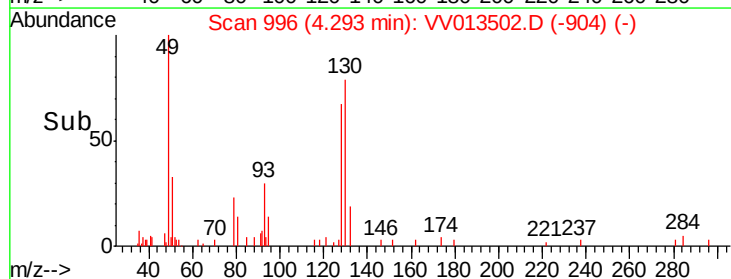
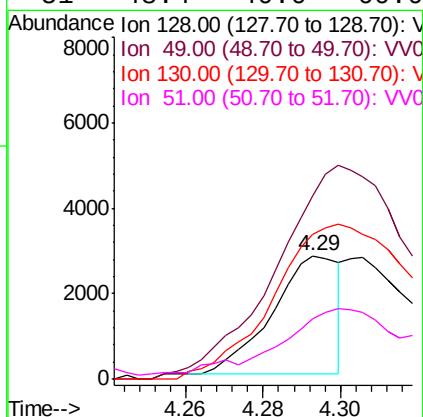
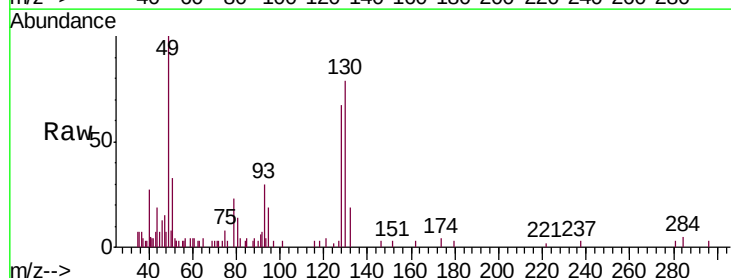
Ion Ratio Lower Upper

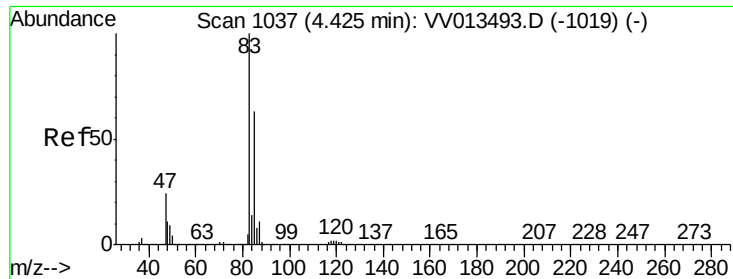
128 100

49 148.3 115.8 215.2

130 117.1 89.1 165.5

51 48.4 40.0 60.0

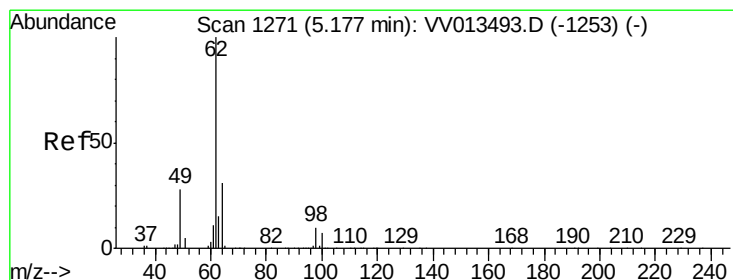
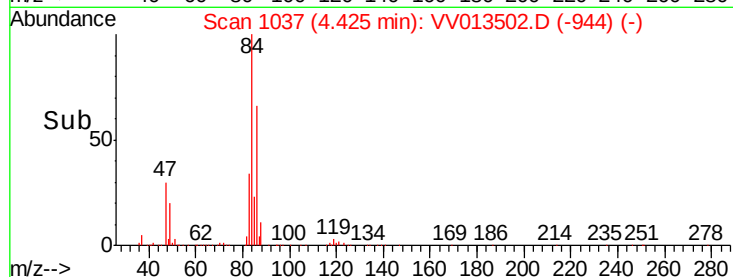
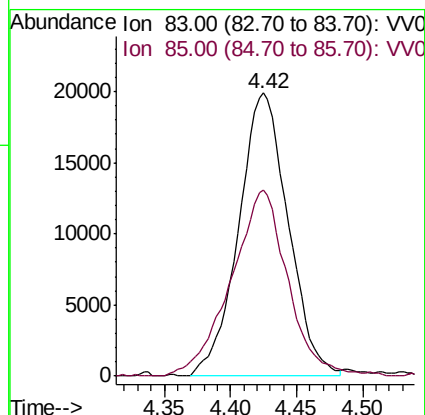
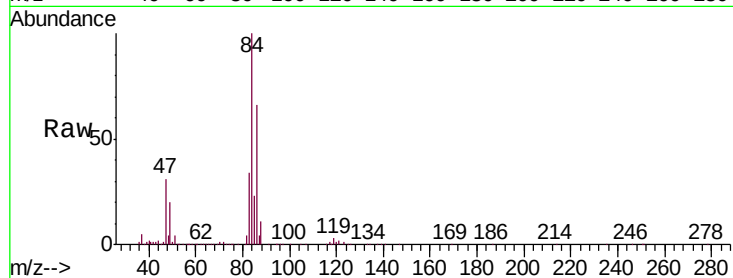




#25
Chloroform
Concen: 4.486 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

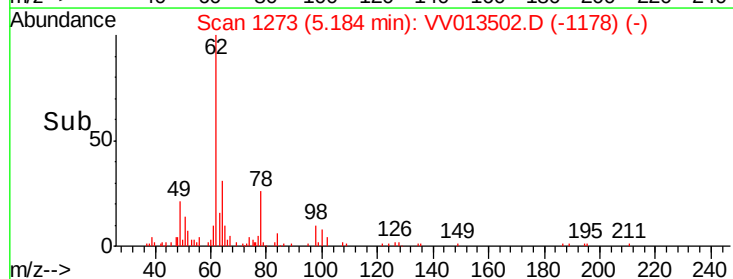
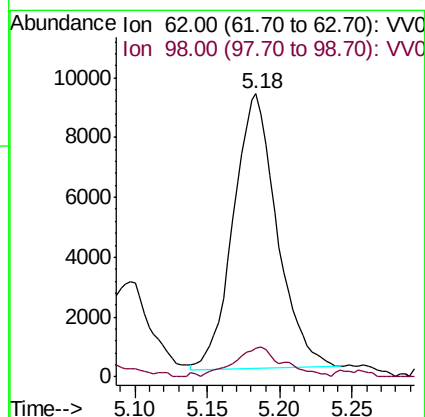
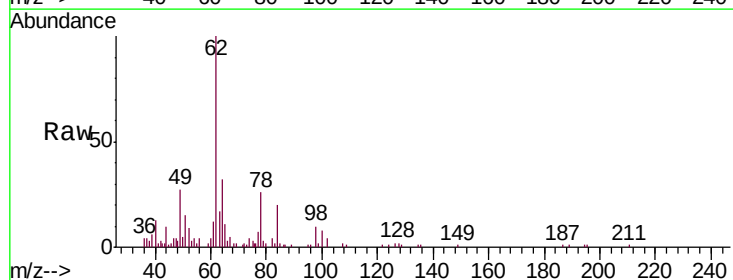
Instrument :
MSVOA_V
ClientSampled :
MDL05

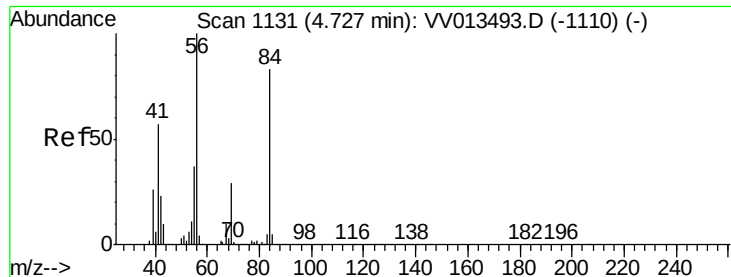
Tgt Ion: 83 Resp: 51985
Ion Ratio Lower Upper
83 100
85 65.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 2.163 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion: 62 Resp: 19210
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.4

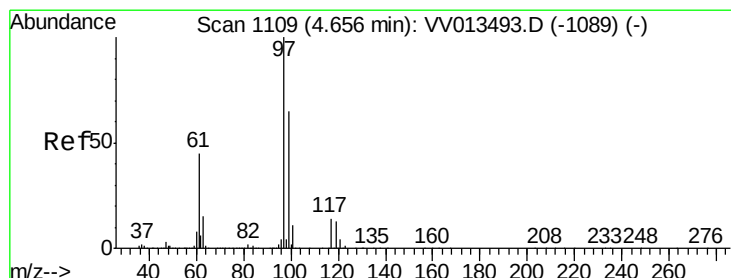
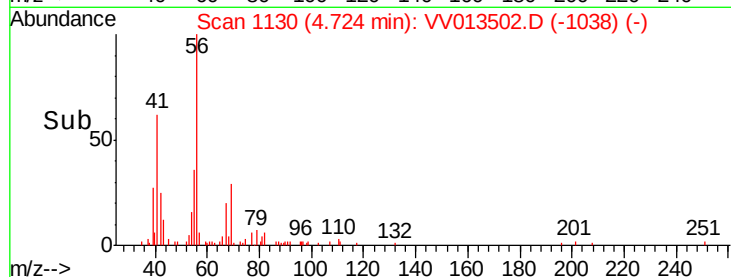
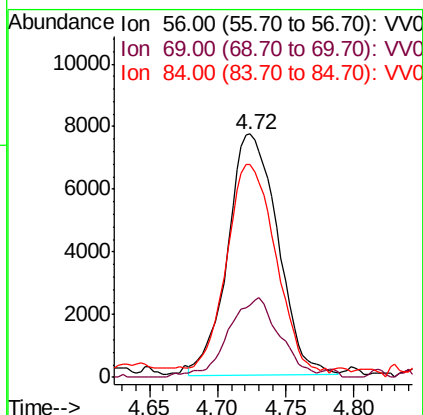
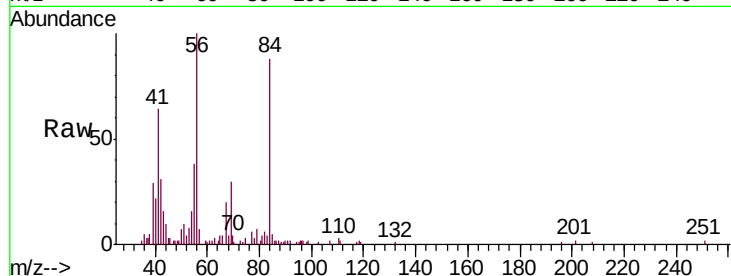




#29
Cyclohexane
Concen: 1.988 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

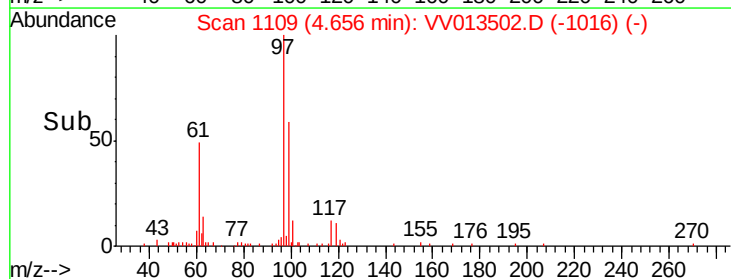
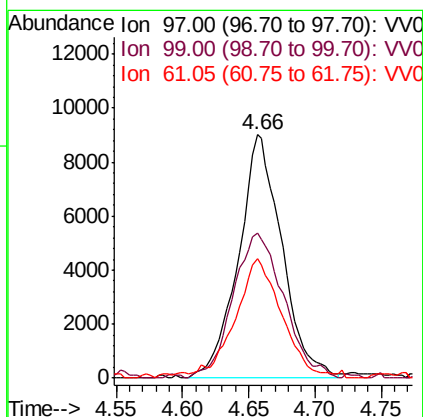
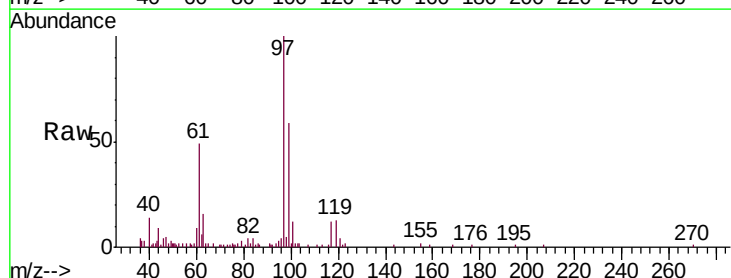
Instrument :
MSVOA_V
ClientSampled :
MDL05

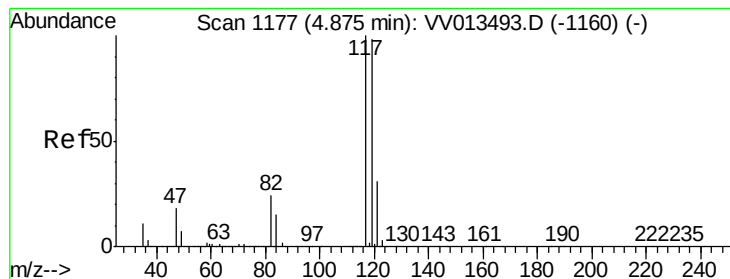
Tgt Ion: 56 Resp: 19462
Ion Ratio Lower Upper
56 100
69 33.7 23.7 35.5
84 85.2 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 2.172 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion: 97 Resp: 20602
Ion Ratio Lower Upper
97 100
99 68.4 52.0 78.0
61 51.3 35.8 53.8





#31

Carbon tetrachloride

Concen: 2.191 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

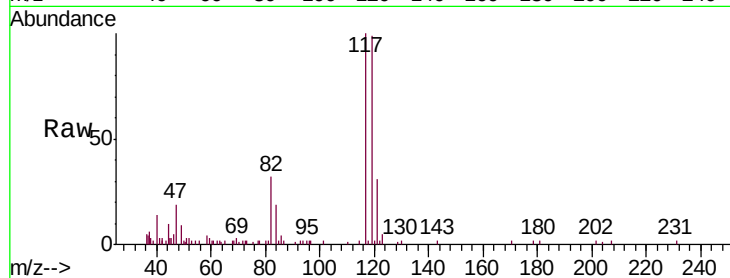
MDL05

Tgt Ion:117 Resp: 18530

Ion Ratio Lower Upper

117 100

119 95.9 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8000

6000

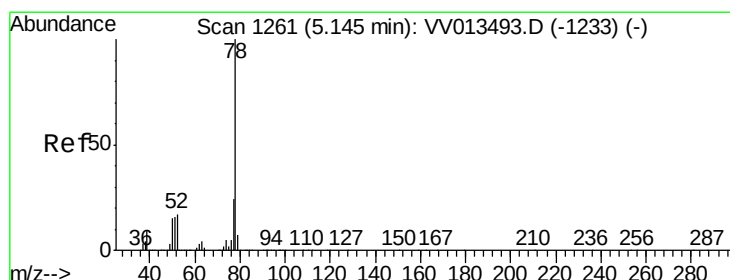
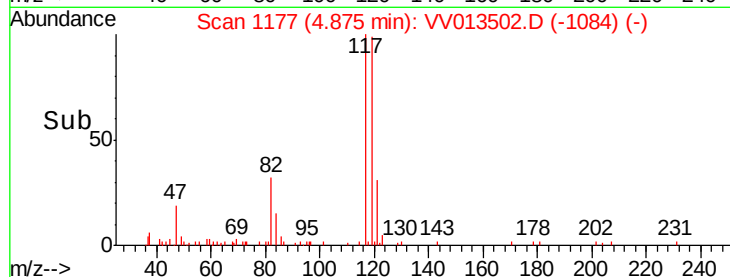
4000

2000

0

4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 2.208 ug/L

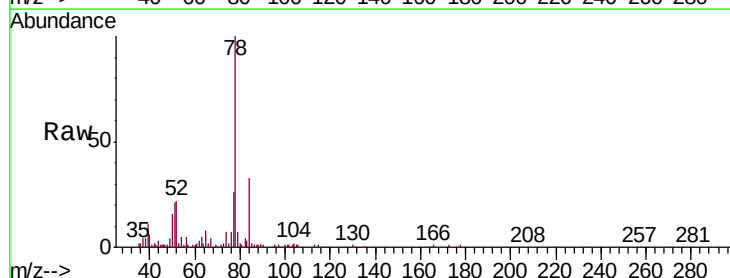
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Tgt Ion: 78 Resp: 53433



Abundance Ion 78.00 (77.70 to 78.70): VV0

25000

20000

15000

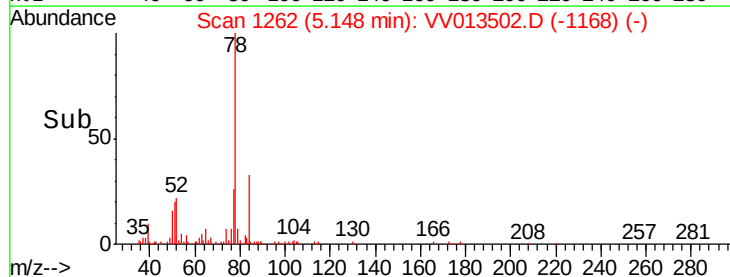
10000

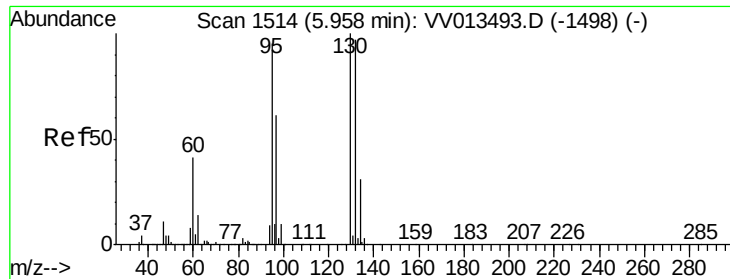
5000

0

5.10 5.15 5.20

Time-->

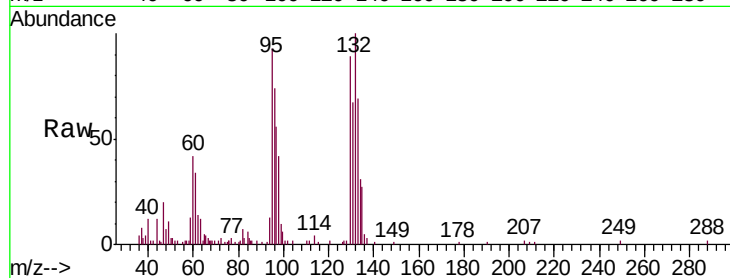




#34
 Trichloroethene
 Concen: 2.415 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:	95	Resp:	15527
Ion	Ratio	Lower	Upper
95	100		
97	59.9	45.1	83.7
132	107.7	71.7	133.1
130	95.5	73.8	137.2



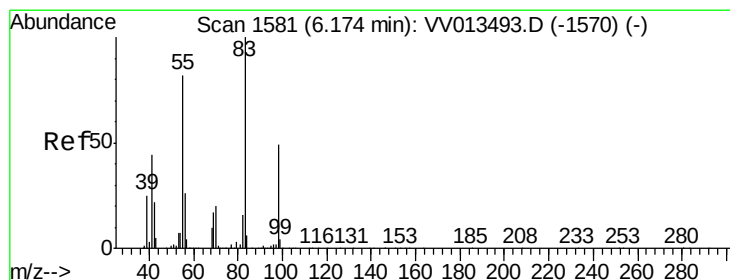
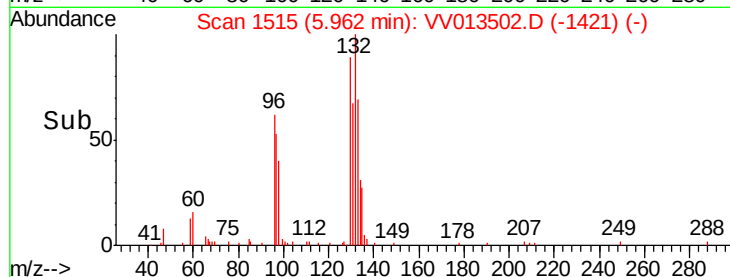
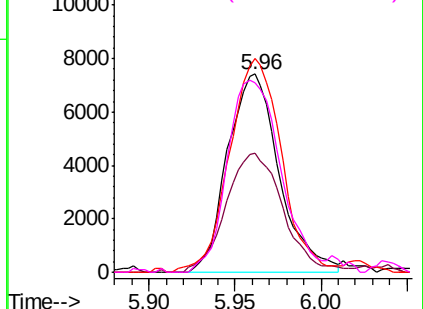
Abundance

Ion 95.00 (94.70 to 95.70): VV013493.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV013493.D (-1498) (-)

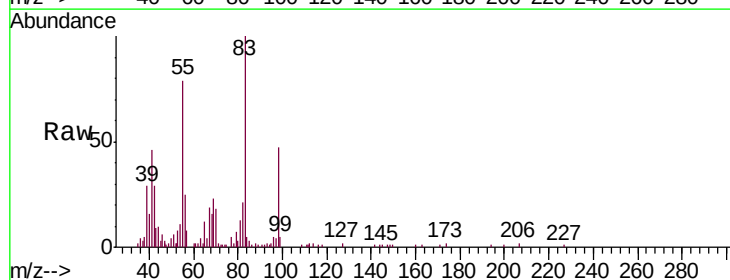
Ion 132.00 (131.70 to 132.70): VV013493.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV013493.D (-1498) (-)



#35
 Methylcyclohexane
 Concen: 2.115 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

Tgt Ion:	83	Resp:	20966
Ion	Ratio	Lower	Upper
83	100		
55	74.9	63.4	95.0
98	48.1	38.6	58.0

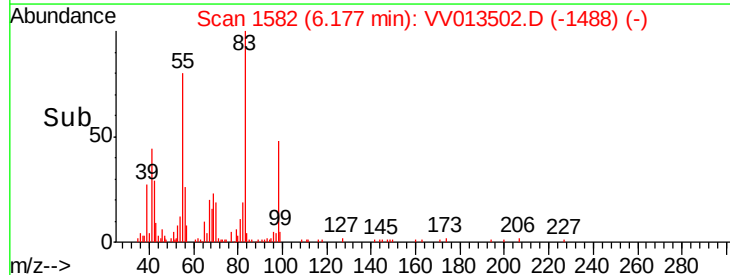
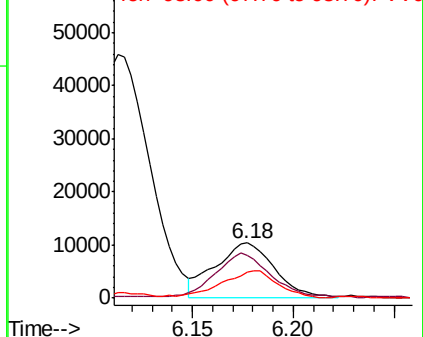


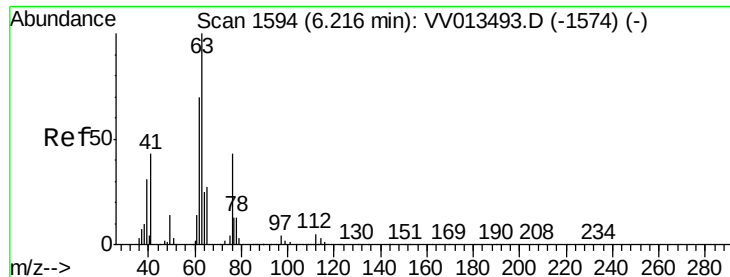
Abundance

Ion 83.00 (82.70 to 83.70): VV013493.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV013493.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV013493.D (-1570) (-)

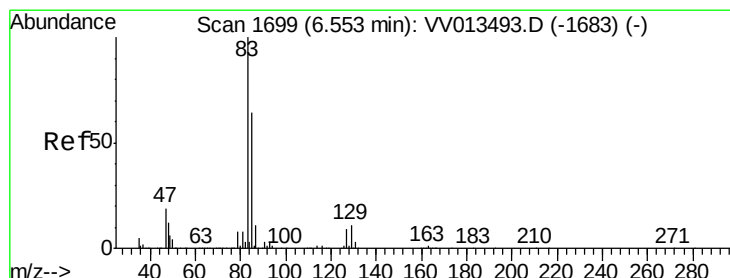
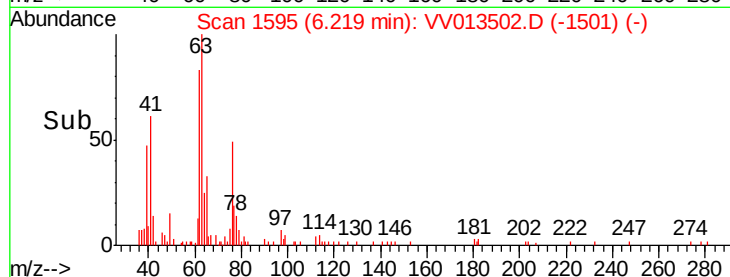
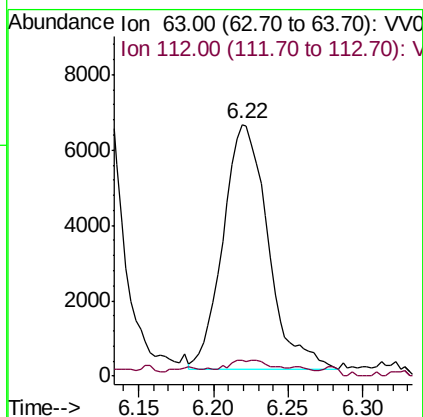
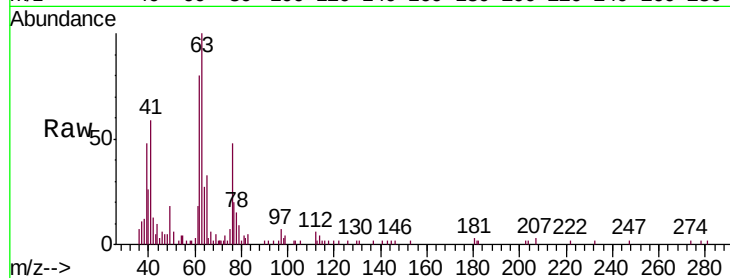




#37
 1,2-Dichloropropane
 Concen: 2.148 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

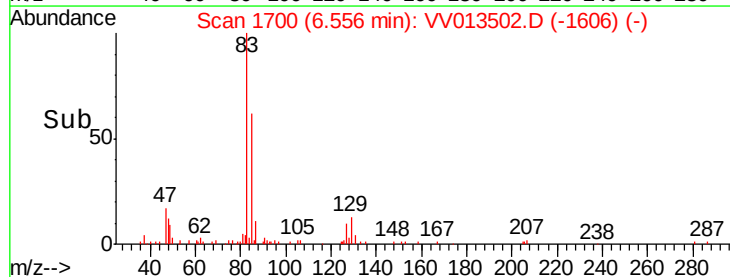
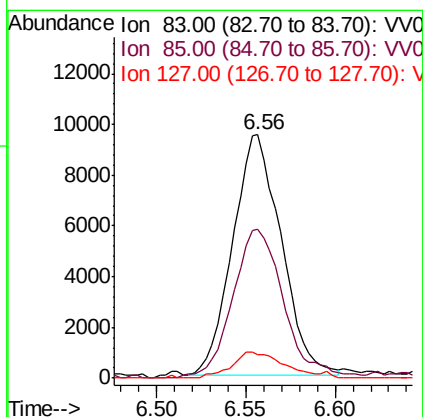
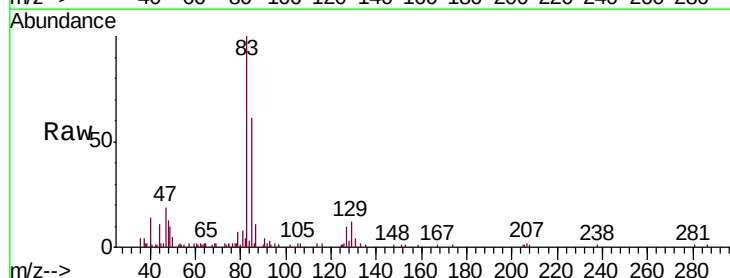
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

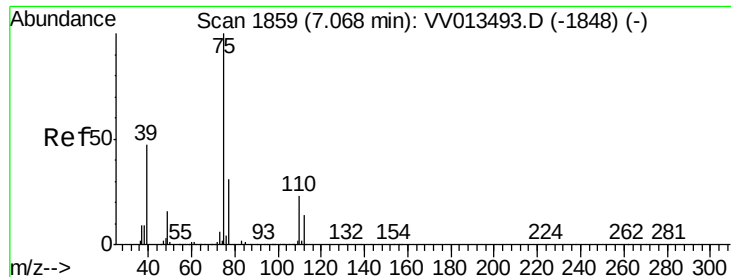
Tgt Ion: 63 Resp: 13680
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 2.160 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

Tgt Ion: 83 Resp: 18090
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.8 83.2
 127 9.8 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 2.131 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

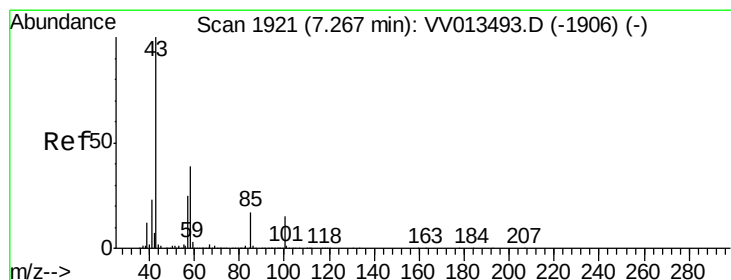
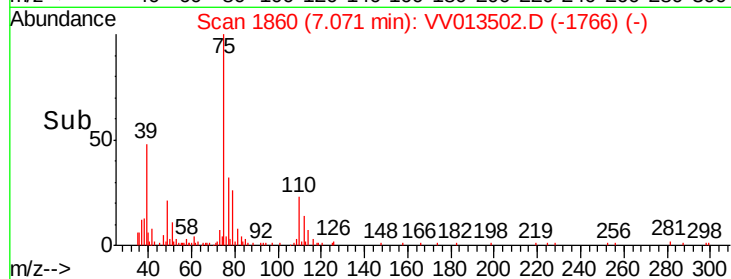
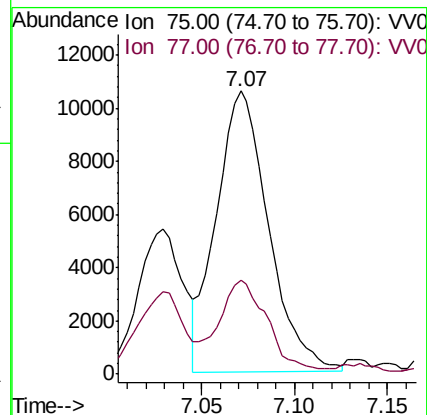
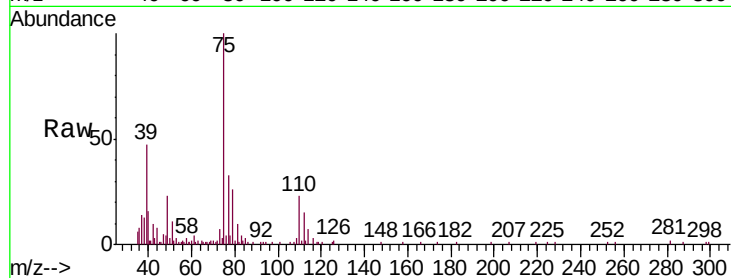
MDL05

Tgt Ion: 75 Resp: 20622

Ion Ratio Lower Upper

75 100

77 33.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 4.033 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

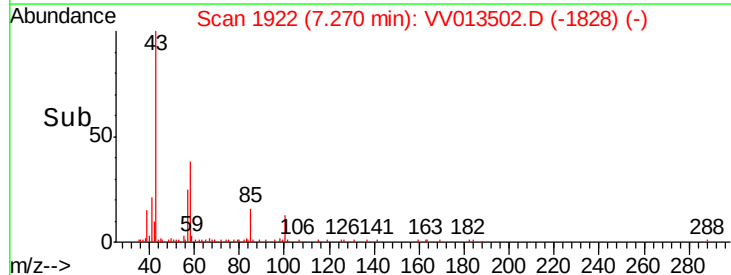
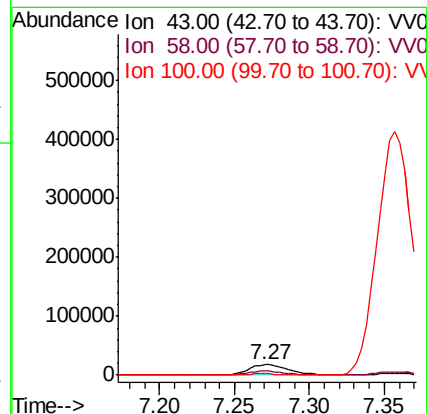
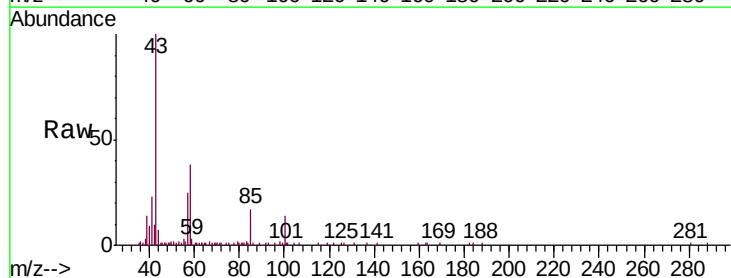
Tgt Ion: 43 Resp: 33111

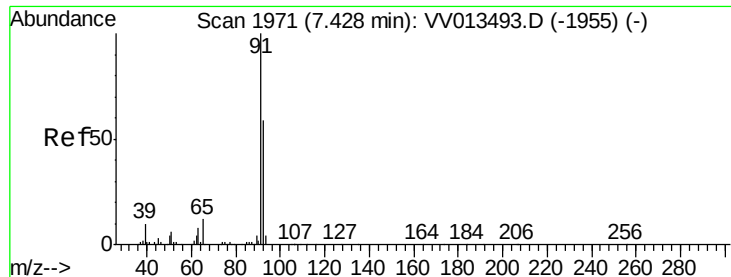
Ion Ratio Lower Upper

43 100

58 37.4 31.0 46.4

100 12.8 12.2 18.2





#42

Toluene

Concen: 2.271 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

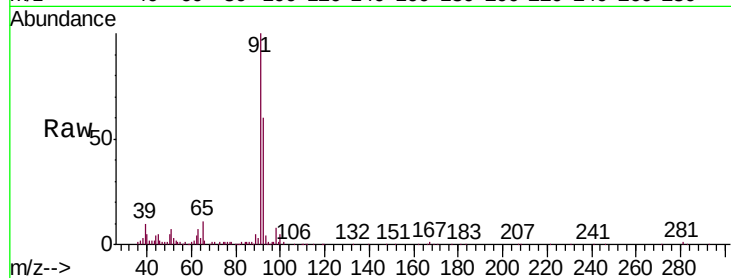
MDL05

Tgt Ion: 91 Resp: 57266

Ion Ratio Lower Upper

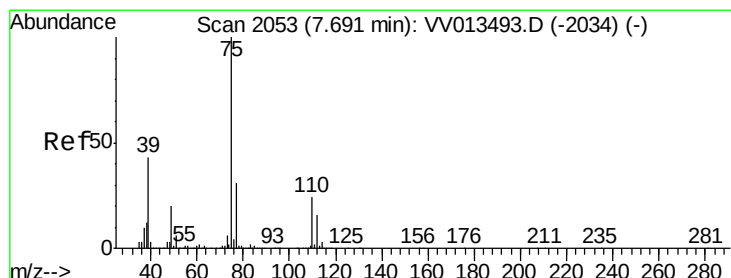
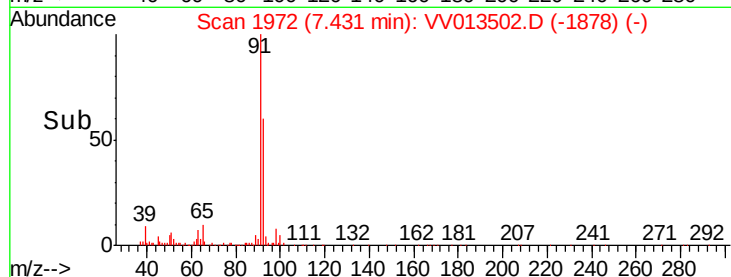
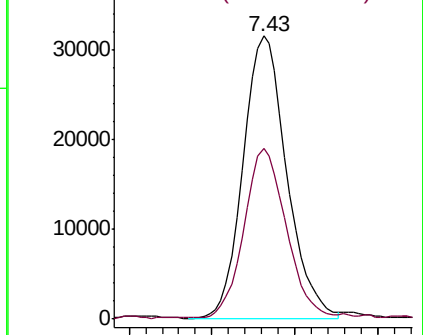
91 100

92 60.4 41.3 76.7



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: 2.245 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013502.D

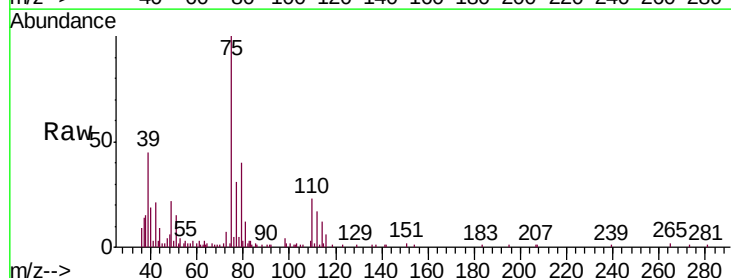
Acq: 06 Nov 2019 16:46

Tgt Ion: 75 Resp: 18907

Ion Ratio Lower Upper

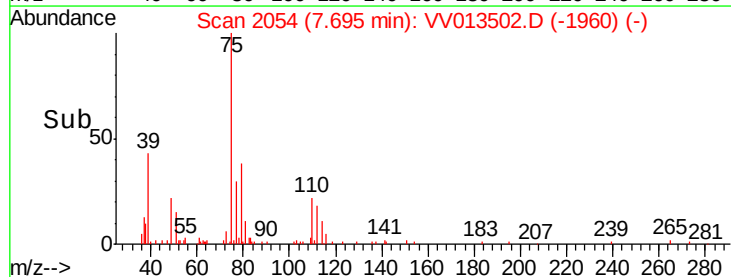
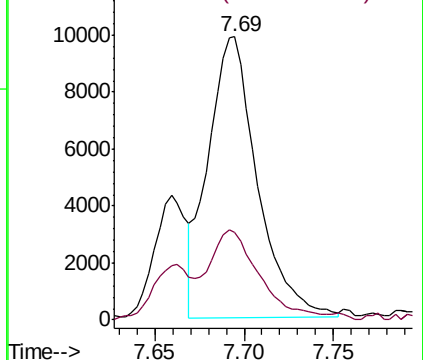
75 100

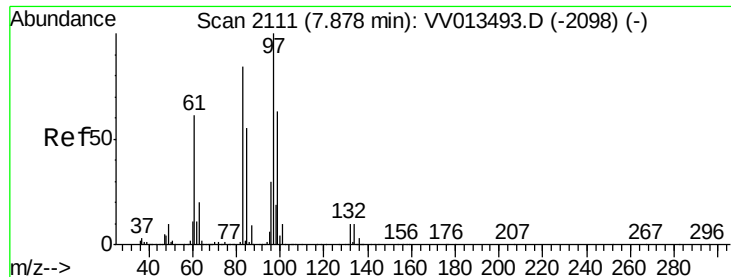
77 31.1 22.0 41.0



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: 2.154 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 97 Resp: 12846

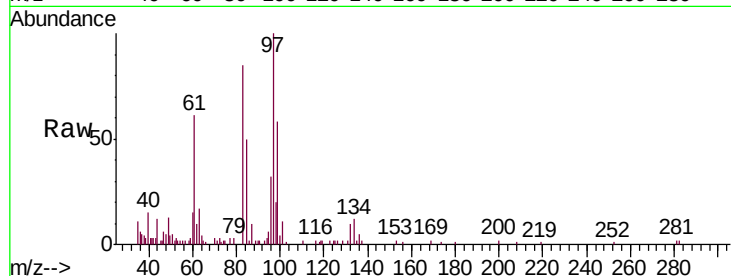
Ion Ratio Lower Upper

97 100

99 58.5 43.8 81.4

83 85.3 59.1 109.9

85 49.5 38.8 72.0



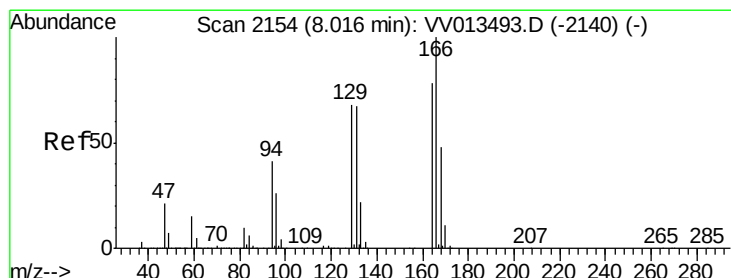
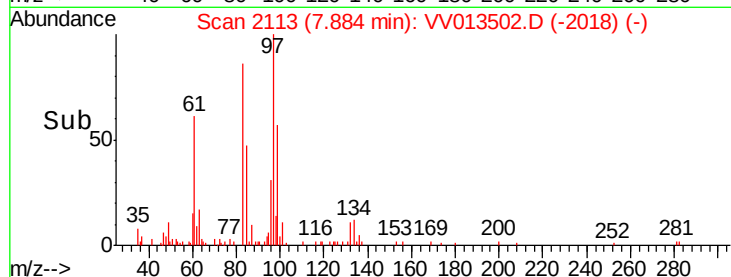
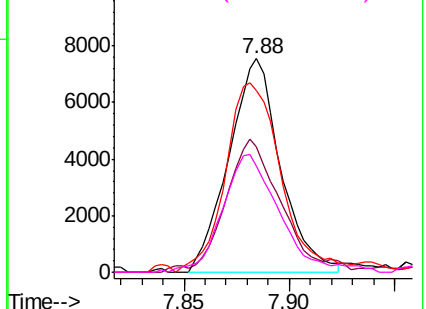
Abundance

Ion 97.00 (96.70 to 97.70): VV013493.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV013493.D (-2098) (-)

Ion 83.00 (82.70 to 83.70): VV013493.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV013493.D (-2098) (-)



#46

Tetrachloroethene

Concen: 2.360 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Tgt Ion: 164 Resp: 12950

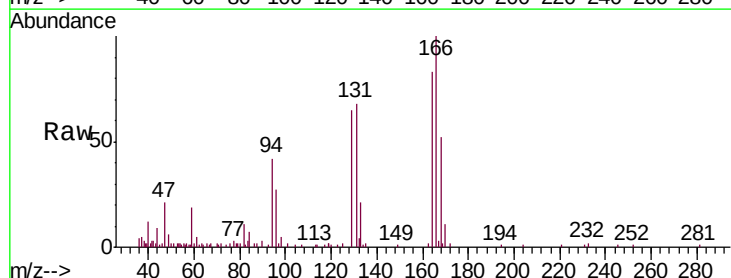
Ion Ratio Lower Upper

164 100

129 78.1 61.5 114.3

131 81.6 60.6 112.6

166 120.7 90.2 167.6



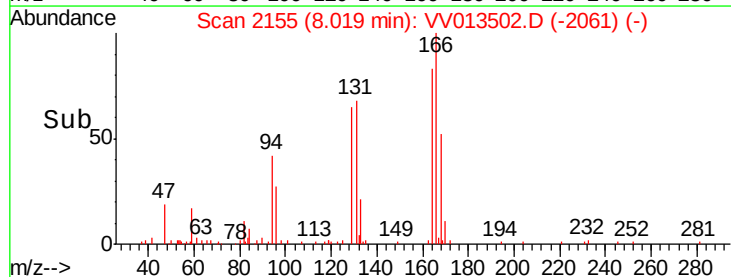
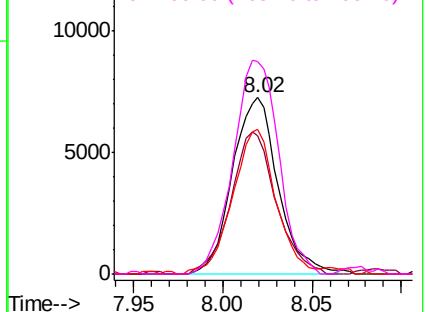
Abundance

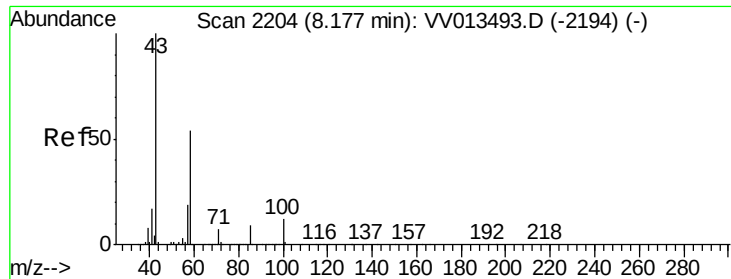
Ion 164.00 (163.70 to 164.70): VV013493.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV013493.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV013493.D (-2140) (-)

Ion 166.00 (165.70 to 166.70): VV013493.D (-2140) (-)

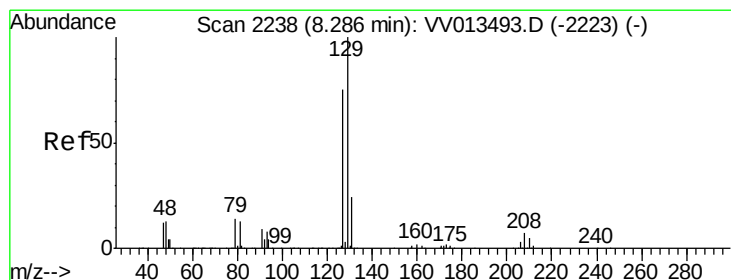
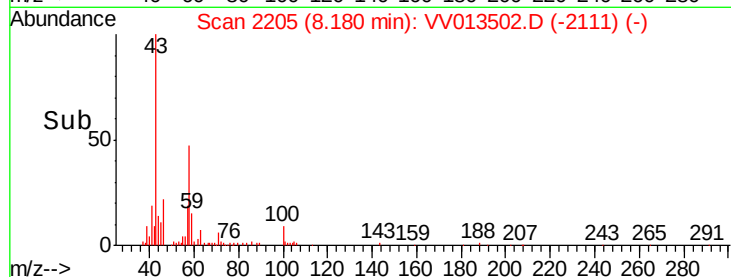
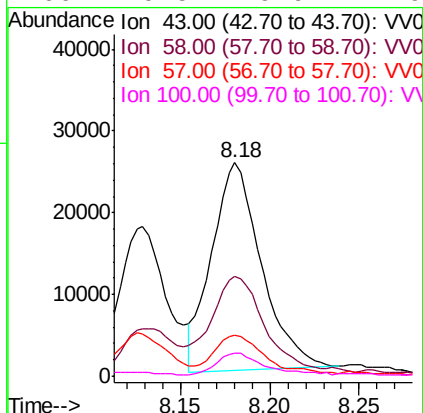
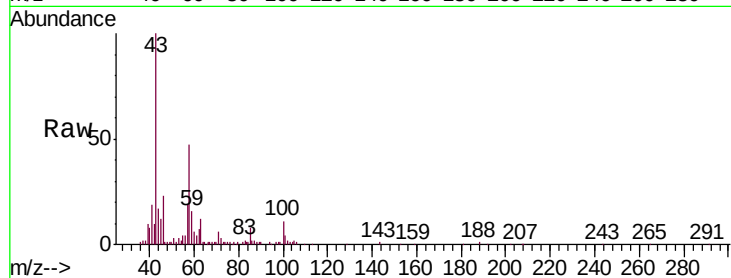




#48
2-Hexanone
Concen: 7.578 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

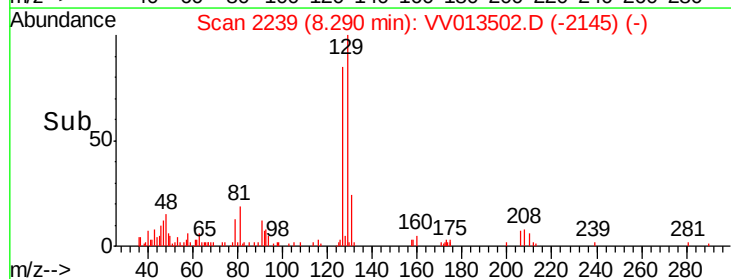
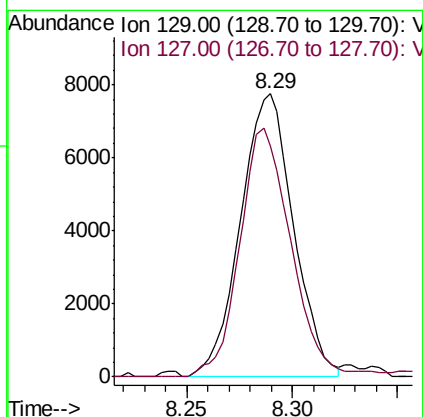
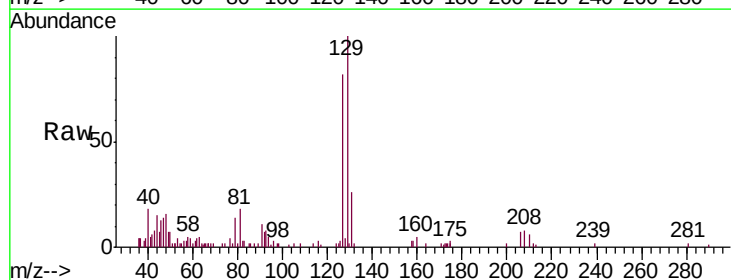
Instrument :
MSVOA_V
ClientSampleId :
MDL05

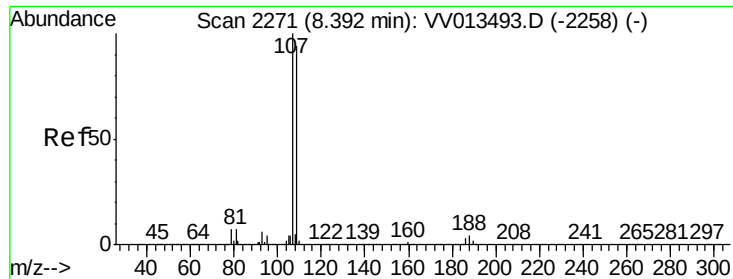
Tgt Ion:	43	Resp:	49136
Ion	Ratio	Lower	Upper
43	100		
58	46.0	43.4	65.0
57	18.0	15.2	22.8
100	9.5	9.9	14.9#



#49
Dibromochloromethane
Concen: 1.978 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion:	129	Resp:	13567
Ion	Ratio	Lower	Upper
129	100		
127	81.8	52.5	97.5

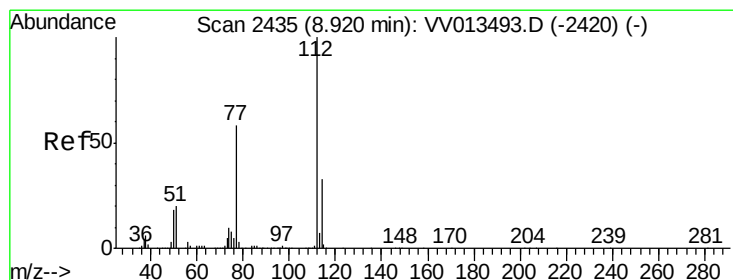
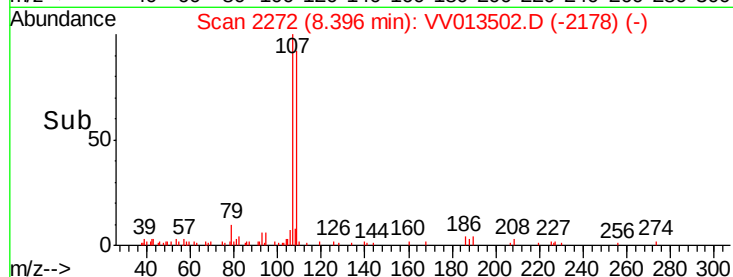
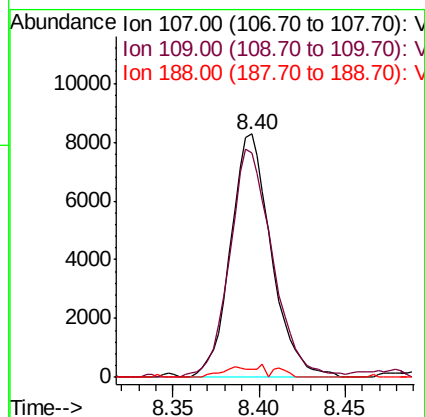
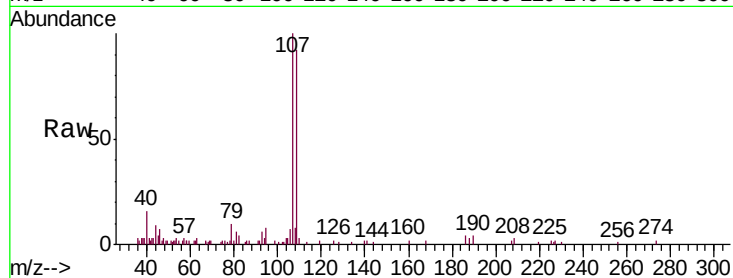




#50
1,2-Dibromoethane
Concen: 2.177 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

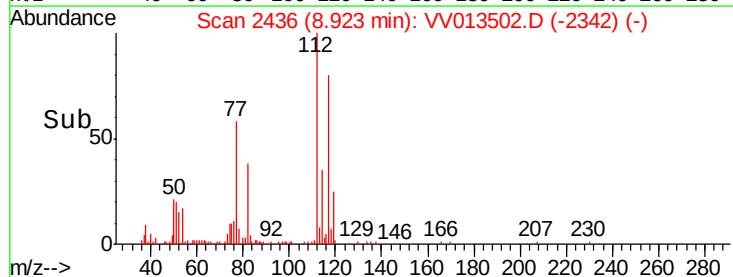
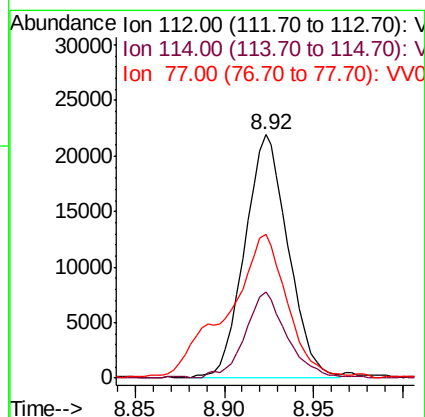
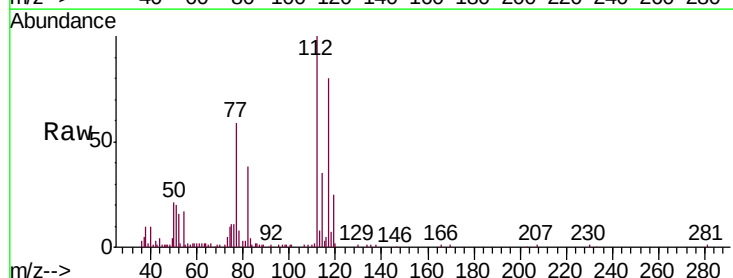
Instrument :
MSVOA_V
ClientSampled :
MDL05

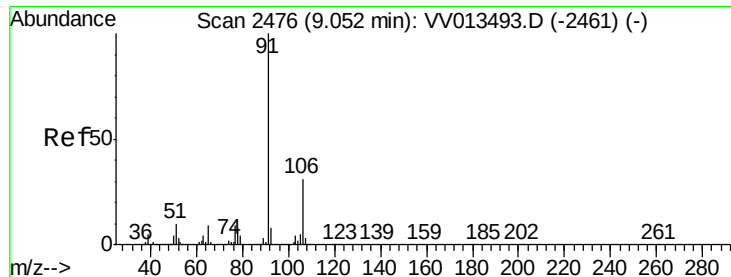
Tgt Ion:107 Resp: 13628
Ion Ratio Lower Upper
107 100
109 92.0 65.7 122.1
188 3.5 3.5 5.3#



#51
Chlorobenzene
Concen: 2.226 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 16:46

Tgt Ion:112 Resp: 37304
Ion Ratio Lower Upper
112 100
114 35.3 22.8 42.4
77 58.9 46.7 70.1





#52

Ethylbenzene

Concen: 1.992 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

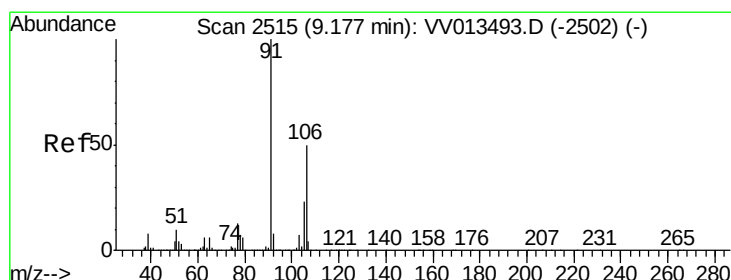
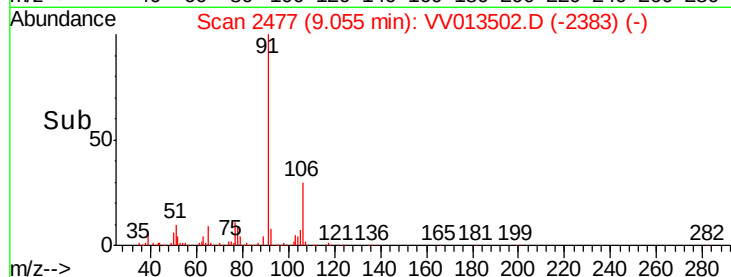
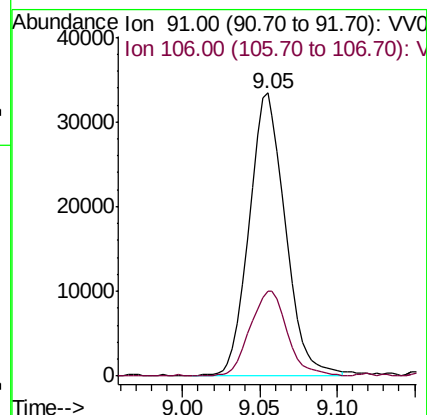
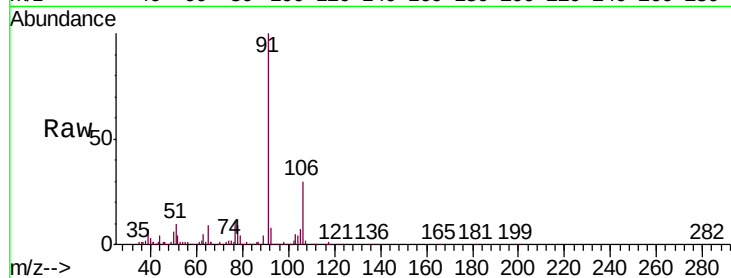
MDL05

Tgt Ion: 91 Resp: 54515

Ion Ratio Lower Upper

91 100

106 30.0 22.0 40.8



#53

m,p-Xylene

Concen: 1.926 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013502.D

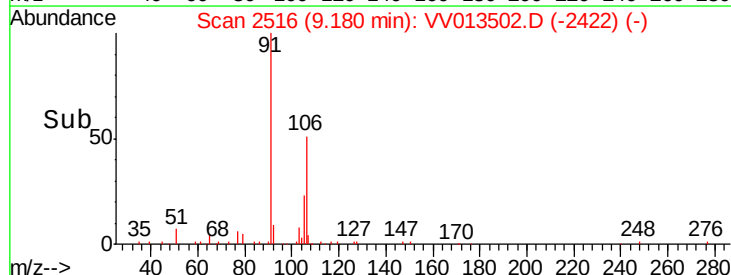
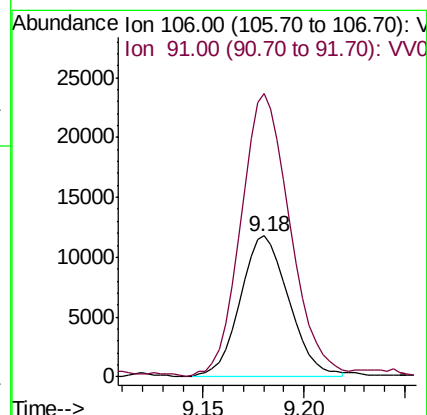
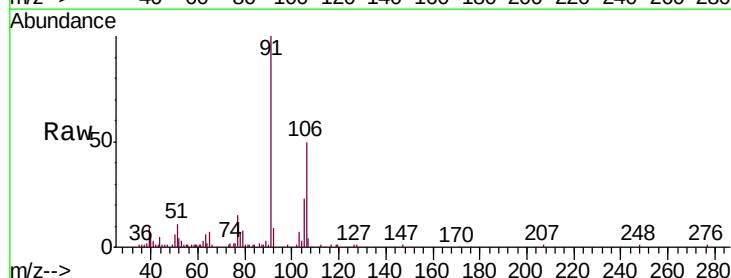
Acq: 06 Nov 2019 16:46

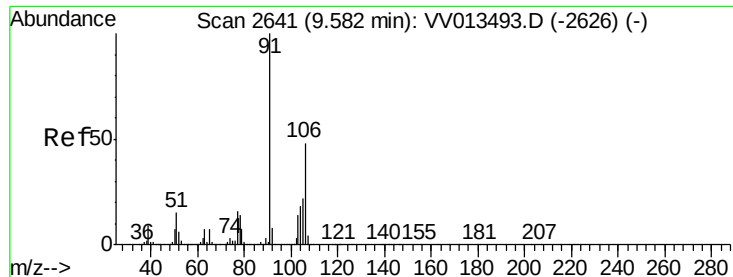
Tgt Ion: 106 Resp: 20001

Ion Ratio Lower Upper

106 100

91 200.5 141.6 263.0





#54

o-xylene

Concen: 1.954 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampled :

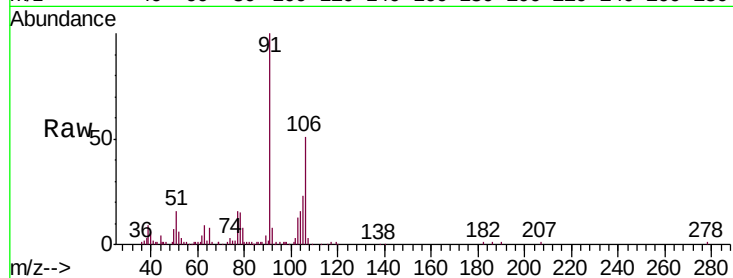
MDL05

Tgt Ion:106 Resp: 19461

Ion Ratio Lower Upper

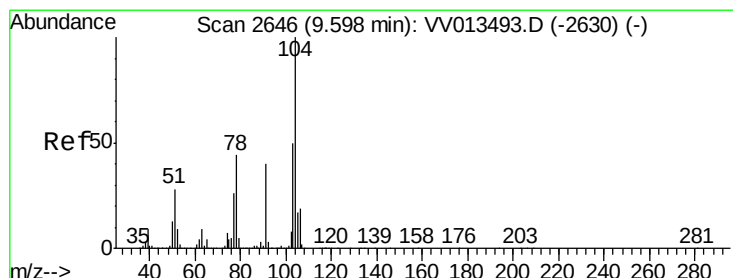
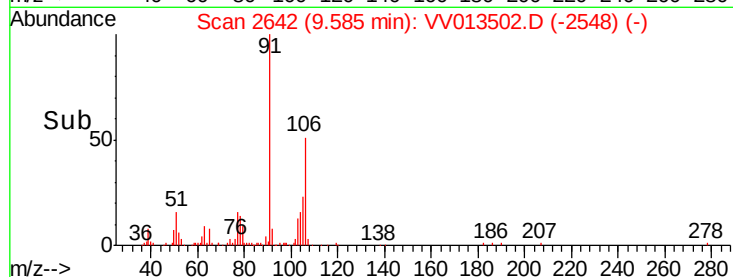
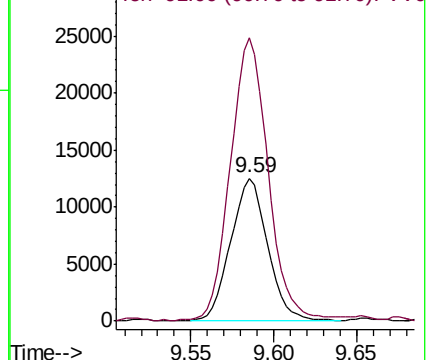
106 100

91 197.8 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.734 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013502.D

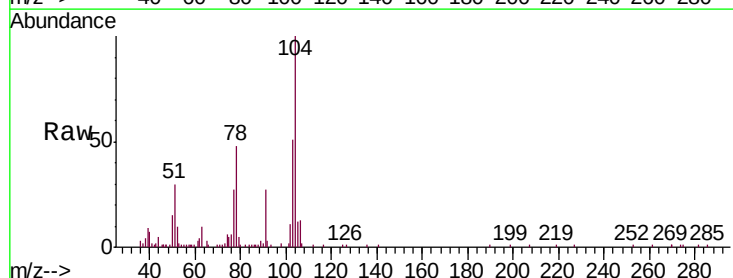
Acq: 06 Nov 2019 16:46

Tgt Ion:104 Resp: 29866

Ion Ratio Lower Upper

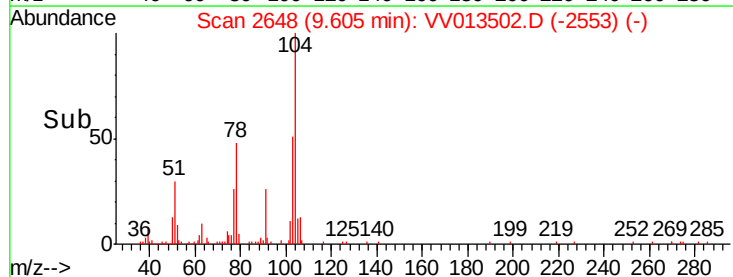
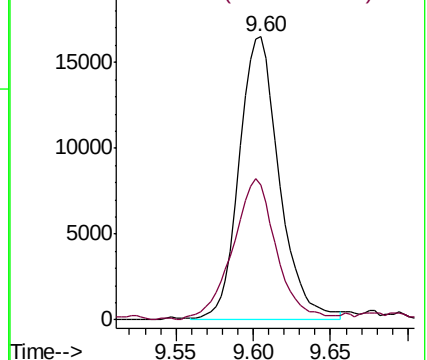
104 100

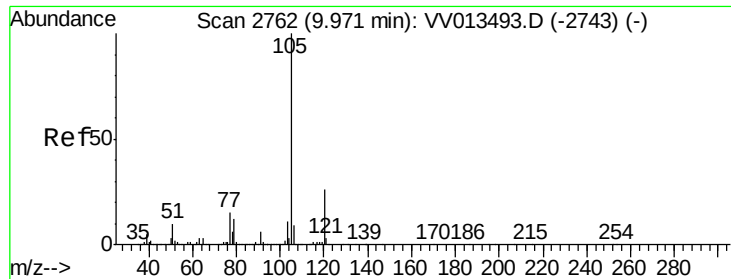
78 47.7 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.823 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL05

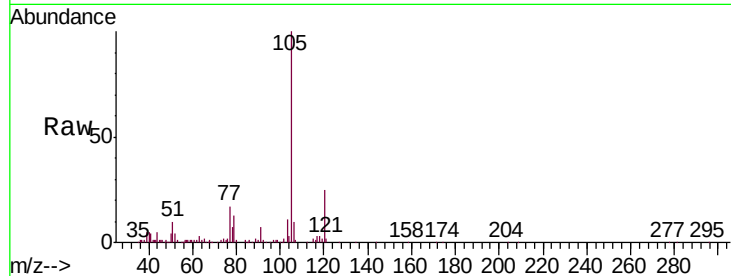
Tgt Ion:105 Resp: 47693

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

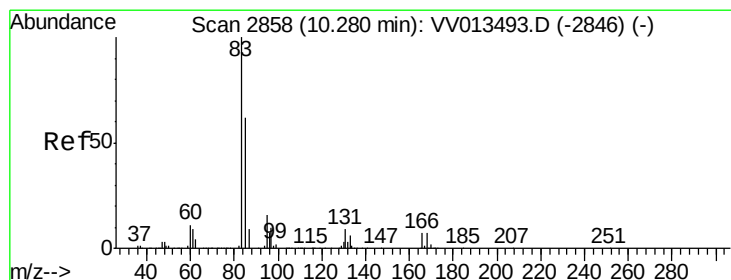
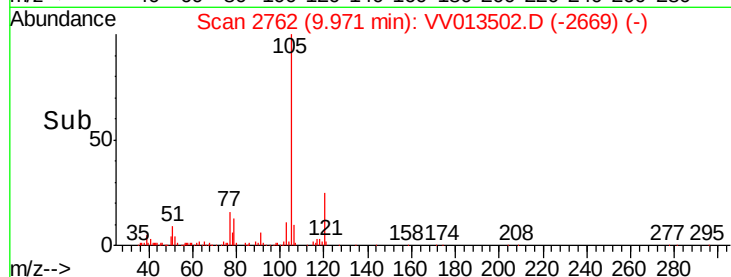
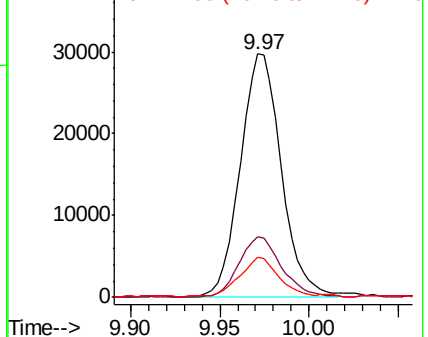
77 16.0 12.2 18.4



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: 2.473 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

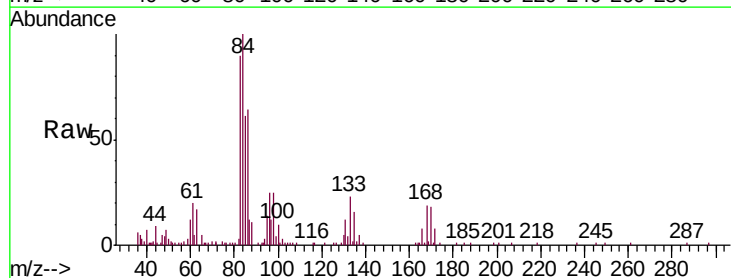
Tgt Ion: 83 Resp: 22273

Ion Ratio Lower Upper

83 100

85 68.3 44.0 81.6

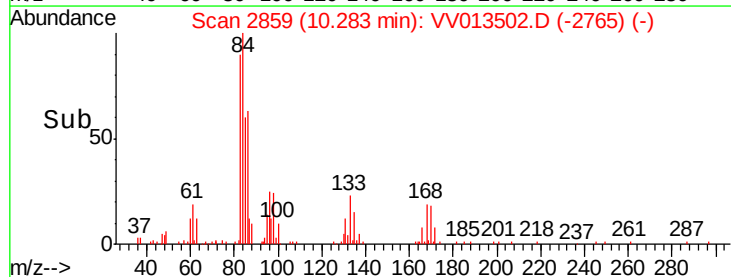
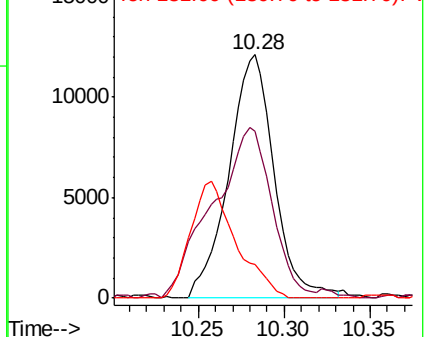
131 13.6 7.7 11.5#

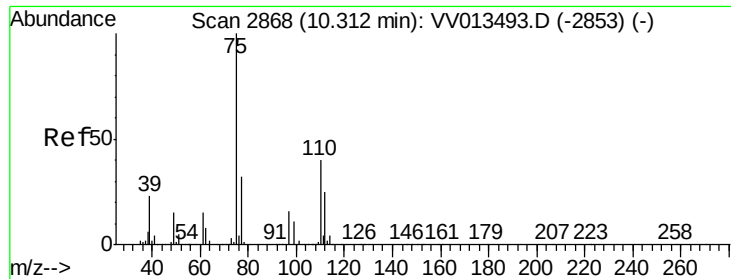


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.278 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

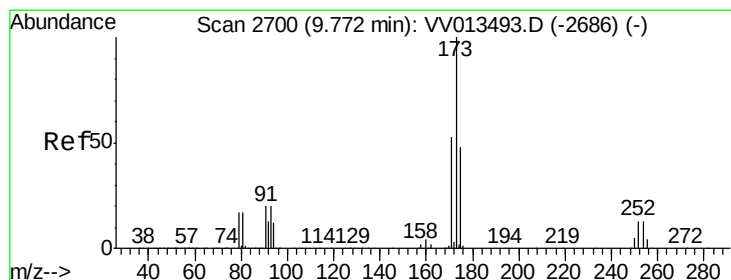
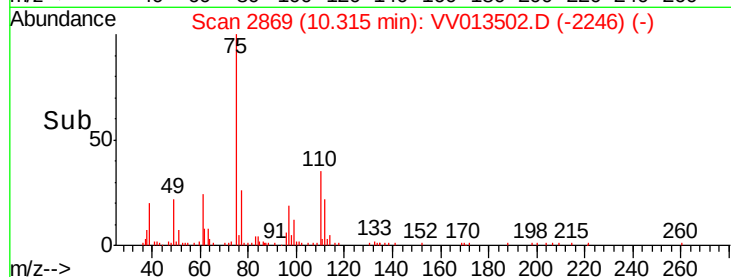
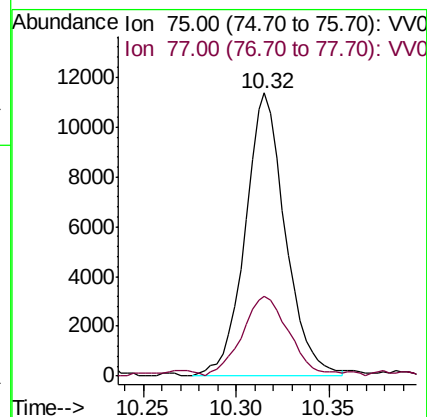
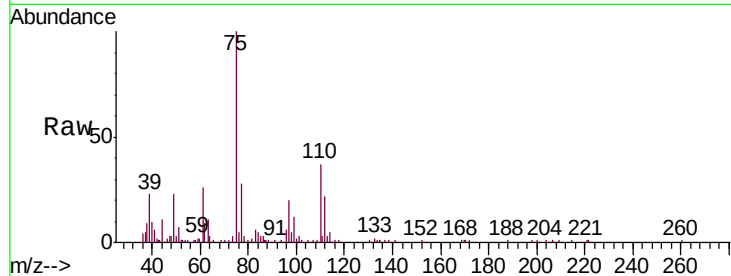
MDL05

Tgt Ion: 75 Resp: 17080

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.2



#61

Bromoform

Concen: 2.268 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

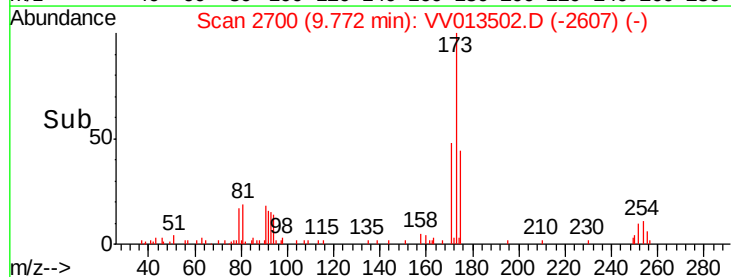
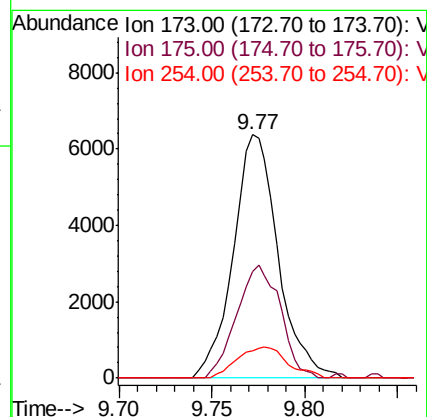
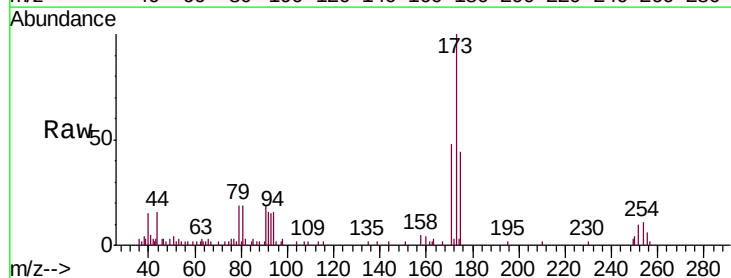
Tgt Ion: 173 Resp: 10714

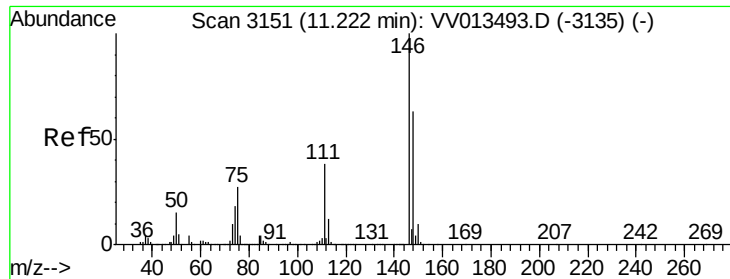
Ion Ratio Lower Upper

173 100

175 45.0 39.0 58.4

254 14.3 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 2.250 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL05

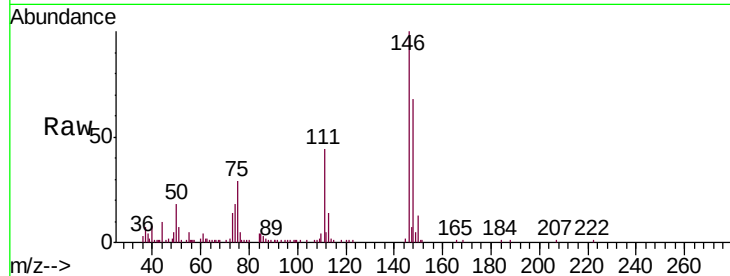
Tgt Ion:146 Resp: 27471

Ion Ratio Lower Upper

146 100

111 44.0 26.4 49.0

148 68.3 44.4 82.4

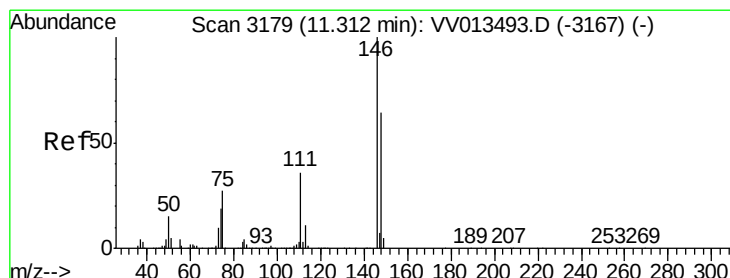
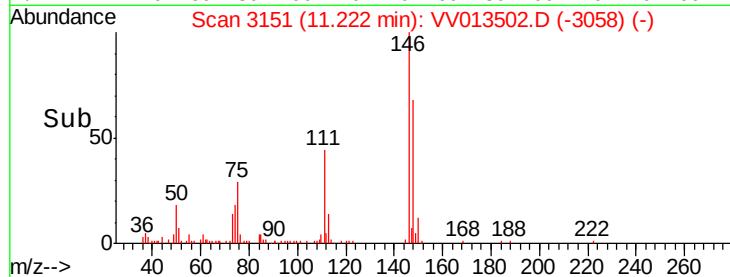
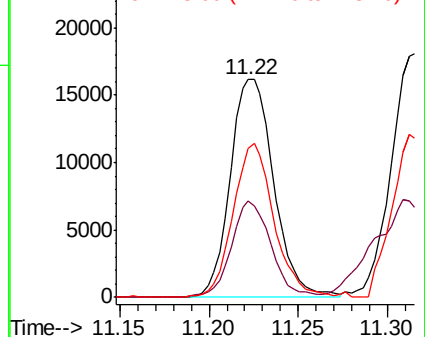


Abundance

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: 2.427 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

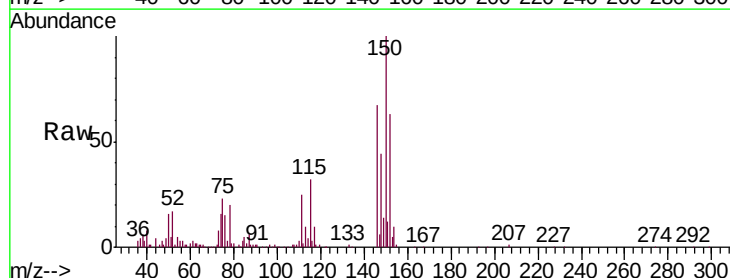
Tgt Ion:146 Resp: 30697

Ion Ratio Lower Upper

146 100

111 36.8 25.5 47.3

148 65.4 44.9 83.5

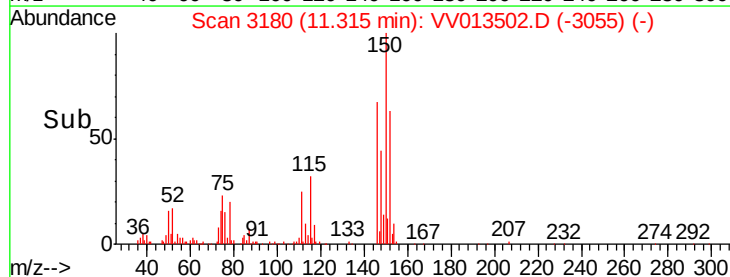
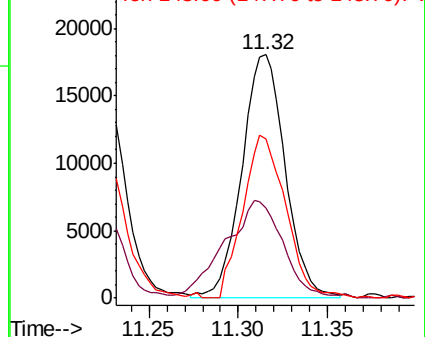


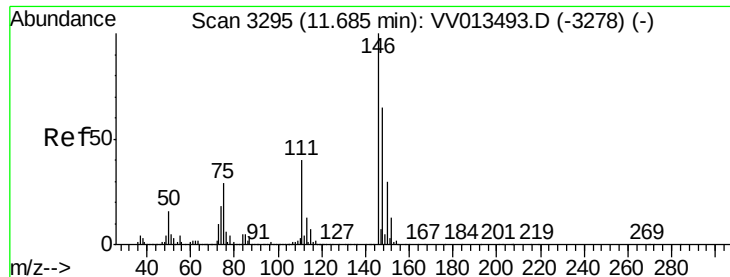
Abundance

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

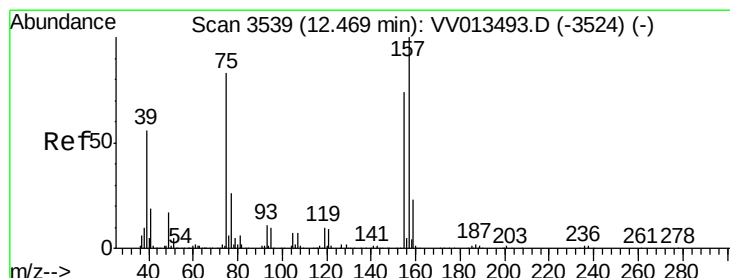
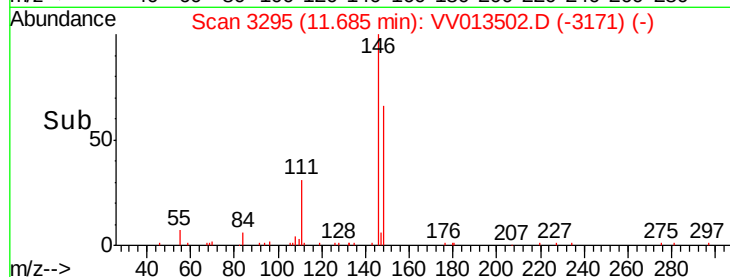
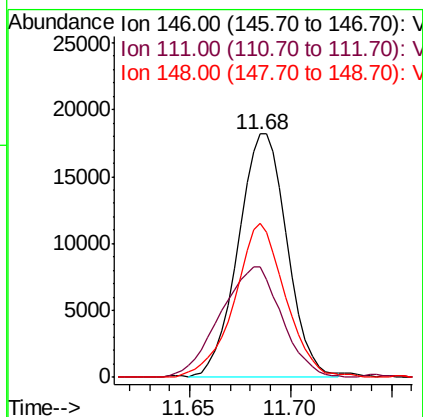
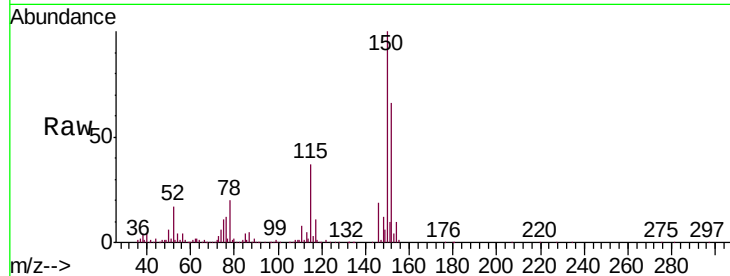




#65
 1,2-Dichlorobenzene
 Concen: 2.529 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

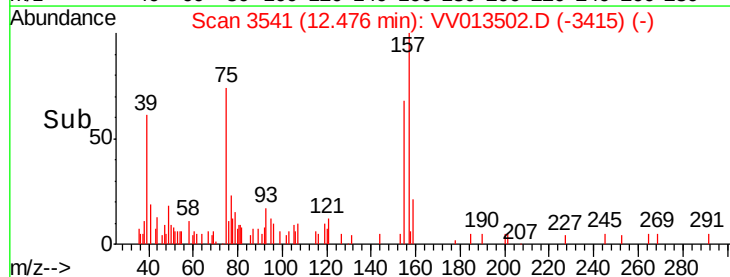
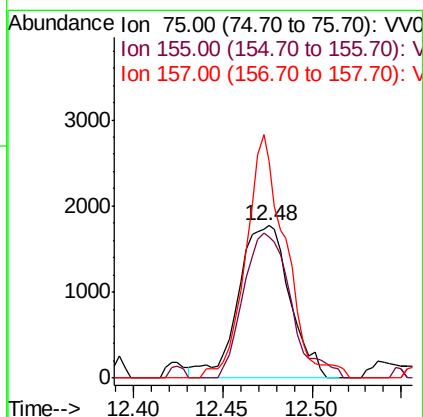
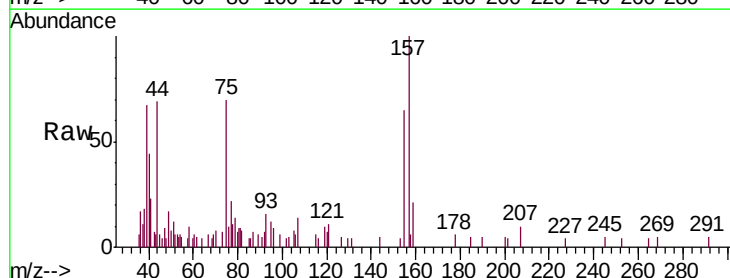
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL05

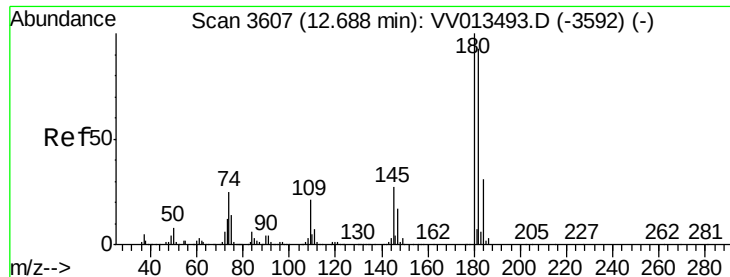
Tgt Ion:146 Resp: 30922
 Ion Ratio Lower Upper
 146 100
 111 45.2 32.1 48.1
 148 63.5 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.108 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

Tgt Ion: 75 Resp: 3556
 Ion Ratio Lower Upper
 75 100
 155 92.8 71.9 107.9
 157 142.2 96.6 145.0

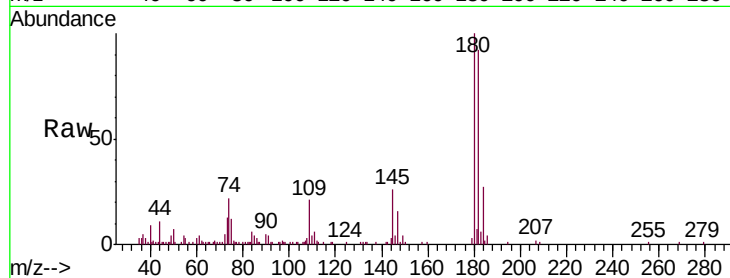




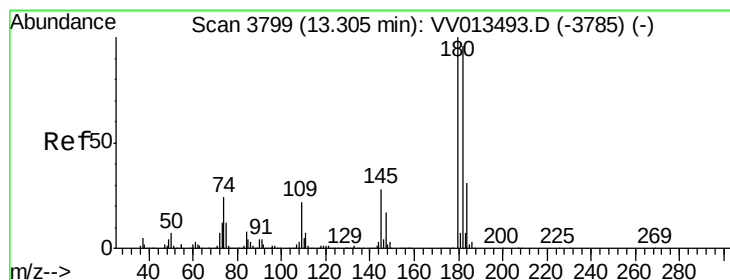
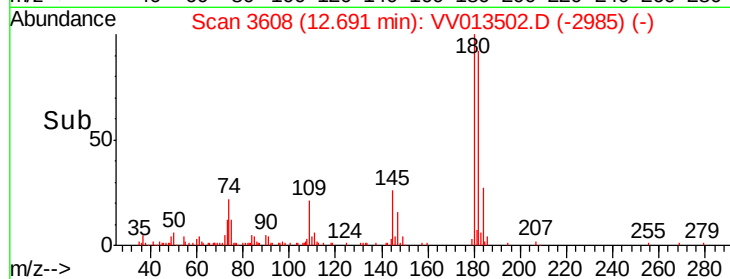
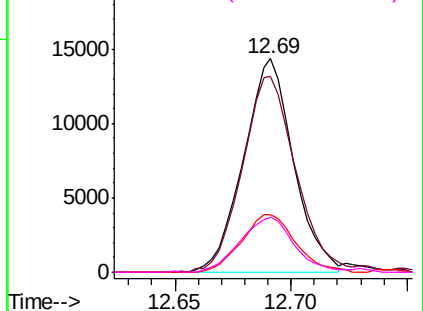
#67
 1,3,5-Trichlorobenzene
 Concen: 2.252 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:180	Resp:	21479
Ion Ratio	Lower	Upper
180	100	
182	97.5	76.2 114.2
184	29.1	24.3 36.5
145	27.7	21.2 31.8

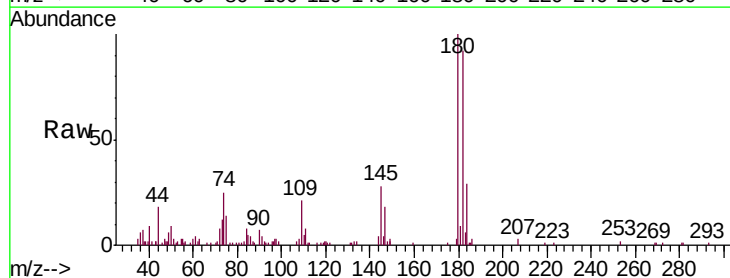


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

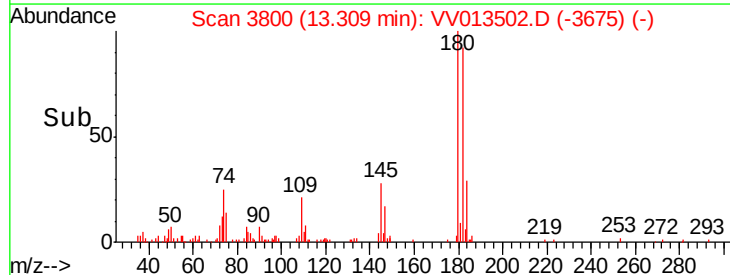
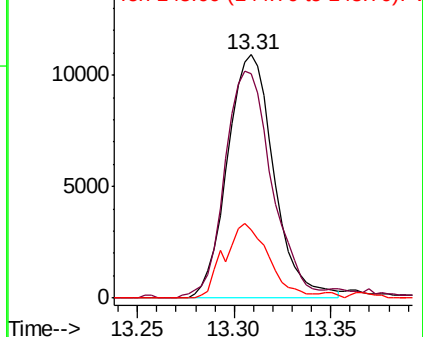


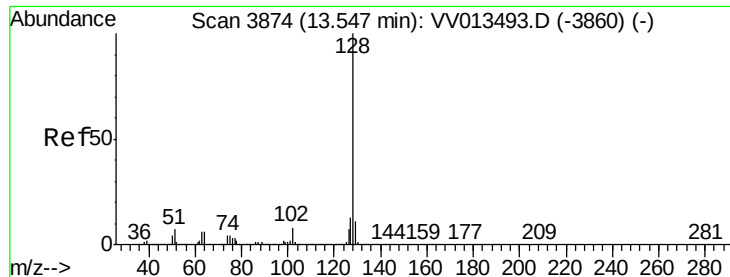
#68
 1,2,4-trichlorobenzene
 Concen: 2.188 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 16:46

Tgt Ion:180	Resp:	18282
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.4 114.6
145	29.2	22.4 33.6



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: 1.832 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL05

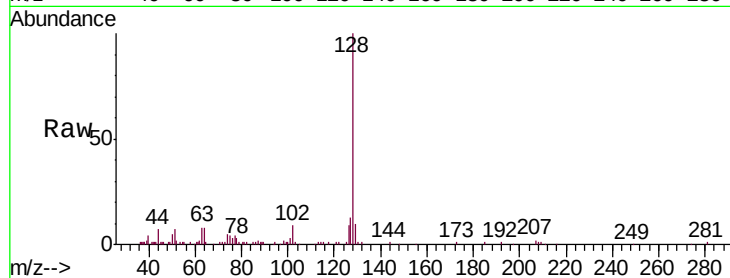
Tgt Ion:128 Resp: 40915

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

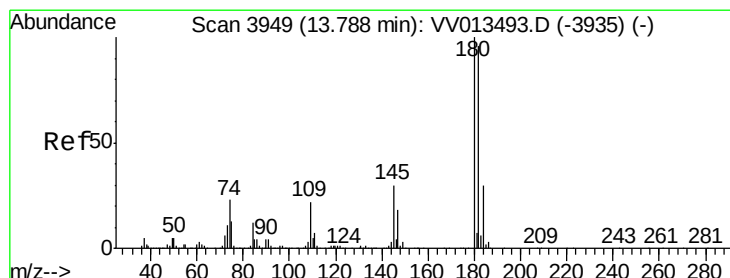
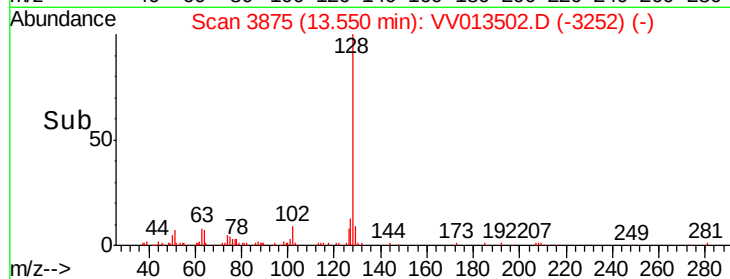
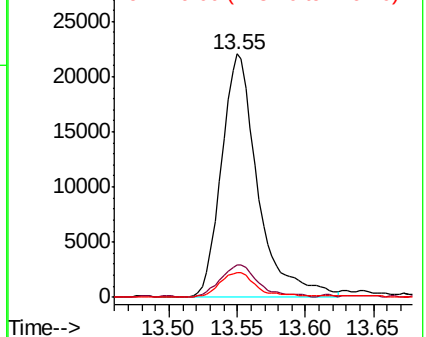
129 10.1 8.6 13.0



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: 2.064 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 16:46

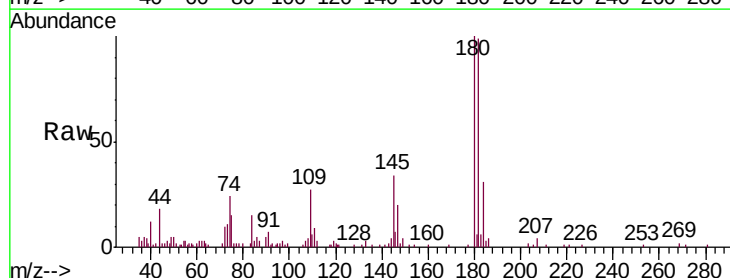
Tgt Ion:180 Resp: 18315

Ion Ratio Lower Upper

180 100

182 91.1 77.4 116.0

145 30.6 24.0 36.0



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

