

Data File : VV014598.D
Acq On : 17 Feb 2020 17:12
Operator : SY/MD
Sample : MDL07
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Quant Time: Feb 18 06:46:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	291984	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269296	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	130353	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44654	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.59	69	35535	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.13	63	64004	35.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.28%
21) 2-Butanone-d5	3.92	46	98545	104.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.13%
24) Chloroform-d	4.40	84	154945	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	101980	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
32) Benzene-d6	5.10	84	317322	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
36) 1,2-Dichloropropane-d6	6.11	67	98911	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.20%
41) Toluene-d8	7.36	98	302100	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	7.66	79	51621	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
47) 2-Hexanone-d5	8.13	63	79254	107.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.73%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	135836	52.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.58%
66) 1,2-Dichlorobenzene-d4	11.67	152	119768	54.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5020	2.474 ug/L	91
3) Chloromethane	1.26	50	4455	2.706 ug/L	95
5) Vinyl chloride	1.33	62	3176	2.470 ug/L #	53
6) Bromomethane	1.53	94	1571	2.248 ug/L	100
8) Chloroethane	1.60	64	1825	2.812 ug/L	93
9) Trichlorofluoromethane	1.77	101	5855	2.494 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3108	3.187 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2866	3.117 ug/L #	1
13) Acetone	2.19	43	3867	4.788 ug/L	98
14) Carbon disulfide	2.32	76	10501	2.490 ug/L	96
15) Methyl Acetate	2.46	43	3943	2.572 ug/L	94
16) Methylene chloride	2.54	84	5669	3.018 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	4226	2.444 ug/L	90
18) Methyl tert-butyl Ether	2.80	73	14162	2.467 ug/L	95
19) 1,1-Dichloroethane	3.23	63	7908	2.567 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	5158	2.537 ug/L	87
22) 2-Butanone	4.03	43	4078	3.316 ug/L	90

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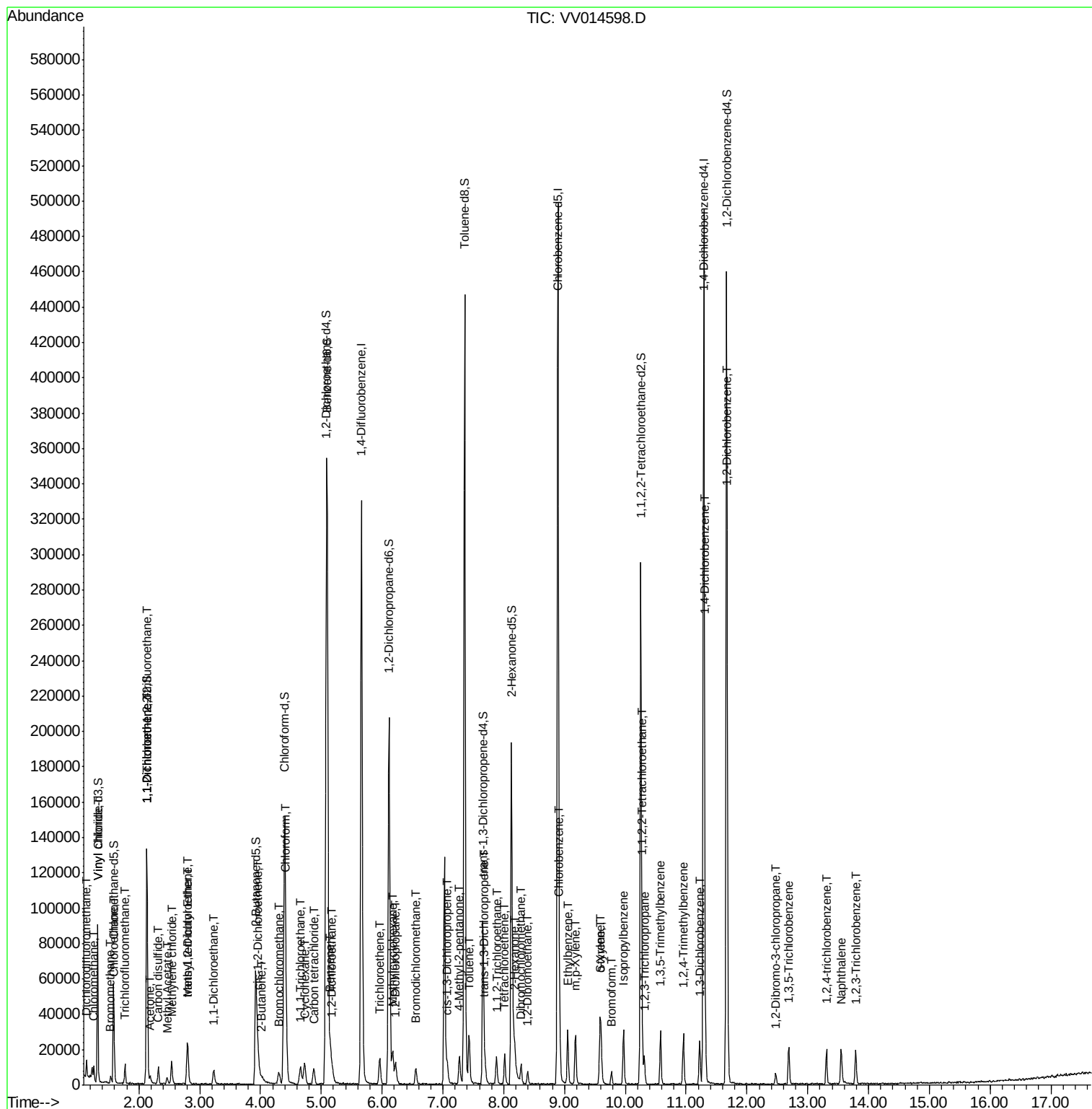
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	2562	2.556	ug/L	94
25) Chloroform	4.42	83	12640	3.622	ug/L	96
27) 1,2-Dichloroethane	5.18	62	6827	2.615	ug/L	98
29) Cyclohexane	4.73	56	6482	2.508	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	6676	2.219	ug/L #	86
31) Carbon tetrachloride	4.87	117	6575	2.451	ug/L	99
33) Benzene	5.15	78	18225	2.620	ug/L	100
34) Trichloroethene	5.96	95	4681	2.467	ug/L	93
35) Methylcyclohexane	6.17	83	7084	2.400	ug/L	94
37) 1,2-Dichloropropane	6.22	63	4020	2.383	ug/L	99
38) Bromodichloromethane	6.56	83	6525	2.483	ug/L #	93
39) cis-1,3-Dichloropropene	7.07	75	6657	2.224	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	10701	5.071	ug/L	93
42) Toluene	7.43	91	19732	2.575	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	6905	2.477	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	4781	2.633	ug/L	93
46) Tetrachloroethene	8.02	164	3789	2.497	ug/L	96
48) 2-Hexanone	8.18	43	8874	5.387	ug/L	95
49) Dibromochloromethane	8.29	129	5192	2.360	ug/L	99
50) 1,2-Dibromoethane	8.39	107	4873	2.443	ug/L #	96
51) Chlorobenzene	8.92	112	13253	2.557	ug/L	89
52) Ethylbenzene	9.05	91	21789	2.473	ug/L	100
53) m,p-Xylene	9.18	106	8419	2.470	ug/L	93
54) o-Xylene	9.59	106	8269	2.519	ug/L	97
55) Styrene	9.60	104	13109	2.345	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	8234	2.849	ug/L #	97
59) Bromoform	9.77	173	3448	2.343	ug/L #	98
60) Isopropylbenzene	9.97	105	20452	2.472	ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	5574	2.566	ug/L	92
62) 1,3,5-Trimethylbenzene	10.58	105	17383	2.459	ug/L	95
63) 1,2,4-Trimethylbenzene	10.95	105	16292	2.360	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	9775	2.465	ug/L	92
65) 1,4-Dichlorobenzene	11.31	146	10931	2.691	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	10040	2.573	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	1657	2.538	ug/L #	78
69) 1,3,5-Trichlorobenzene	12.69	180	6622	2.311	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	5933	2.291	ug/L	97
71) Naphthalene	13.55	128	17251	2.176	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5869	2.322	ug/L	98

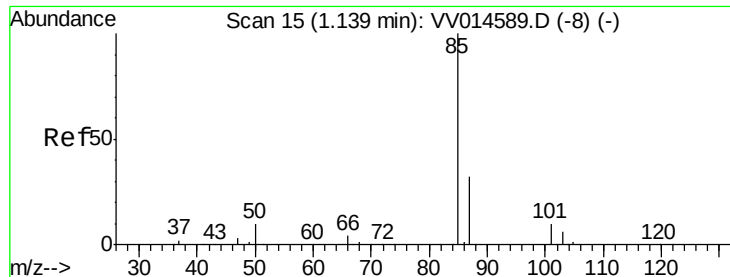
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.474 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

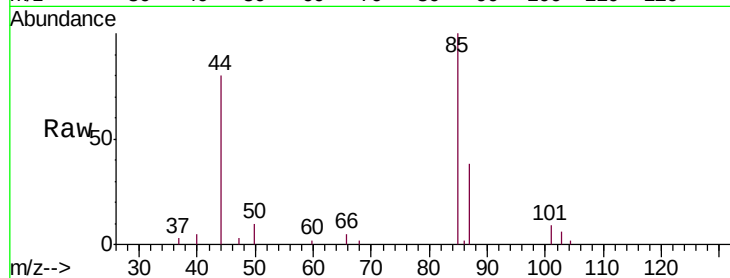
MDL07

Tgt Ion: 85 Resp: 5020

Ion Ratio Lower Upper

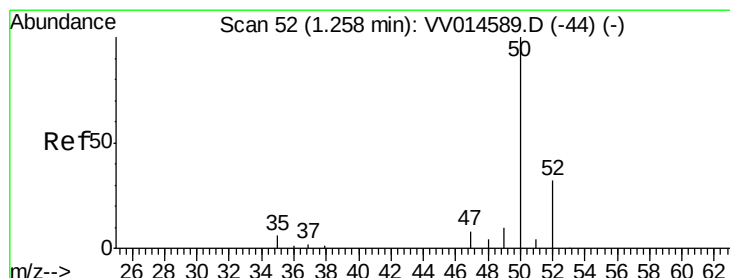
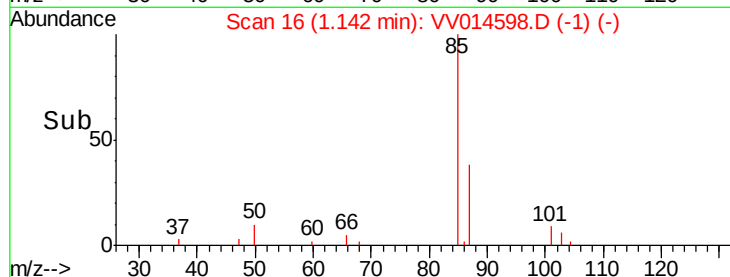
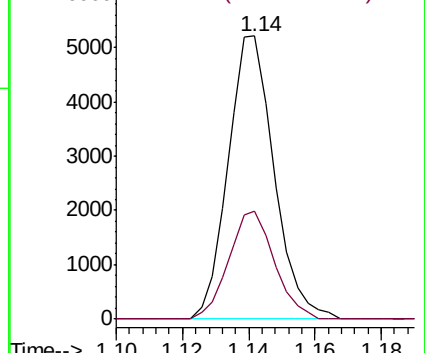
85 100

87 37.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.706 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014598.D

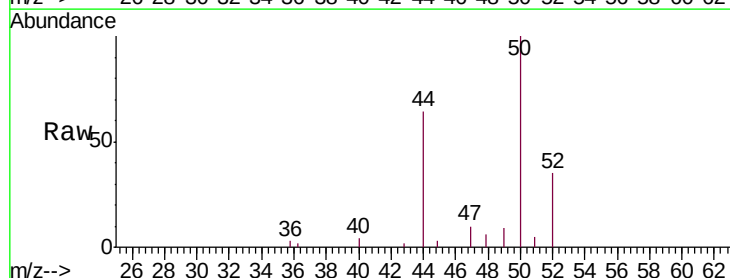
Acq: 17 Feb 2020 17:12

Tgt Ion: 50 Resp: 4455

Ion Ratio Lower Upper

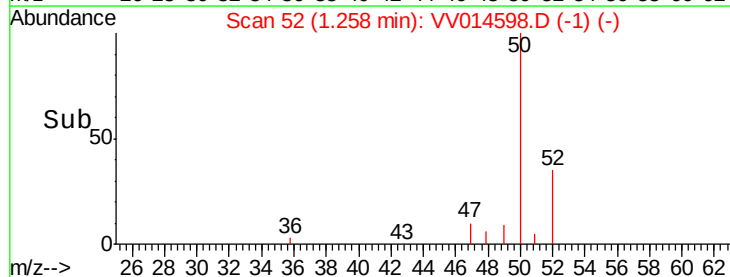
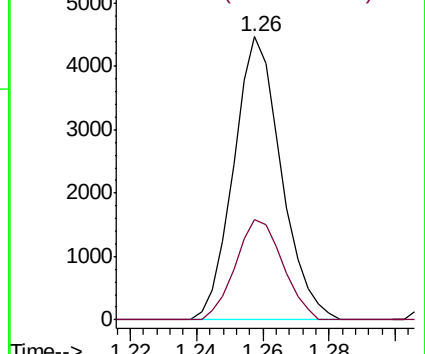
50 100

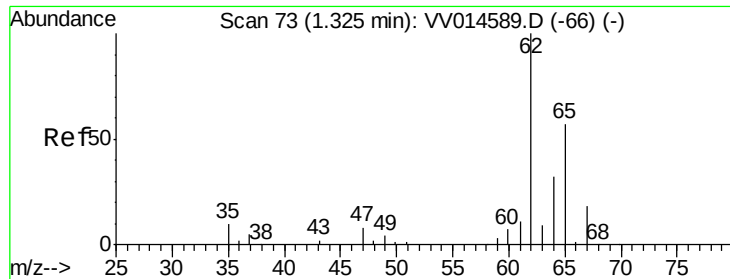
52 35.4 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.470 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampled :

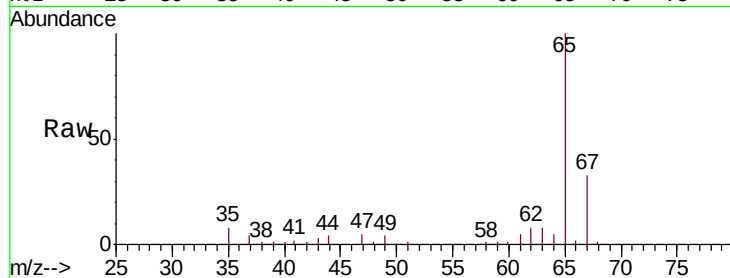
MDL07

Tgt Ion: 62 Resp: 3176

Ion Ratio Lower Upper

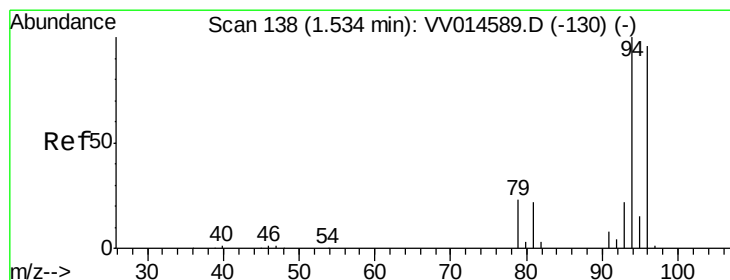
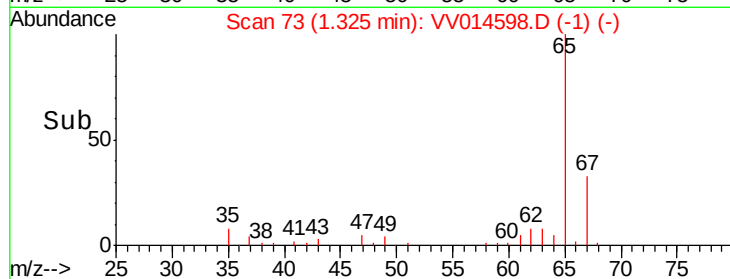
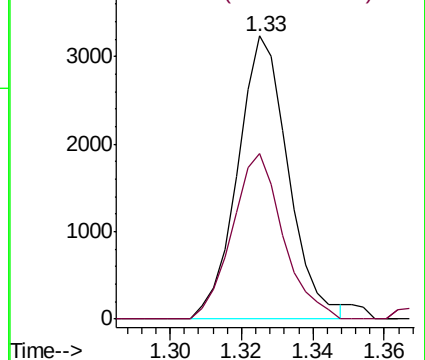
62 100

64 58.7 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.248 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014598.D

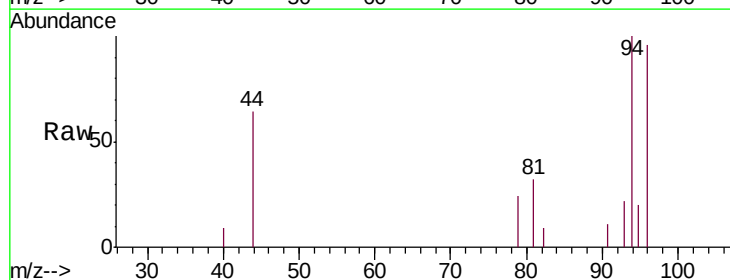
Acq: 17 Feb 2020 17:12

Tgt Ion: 94 Resp: 1571

Ion Ratio Lower Upper

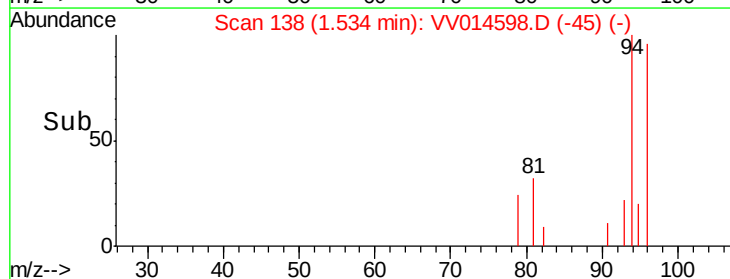
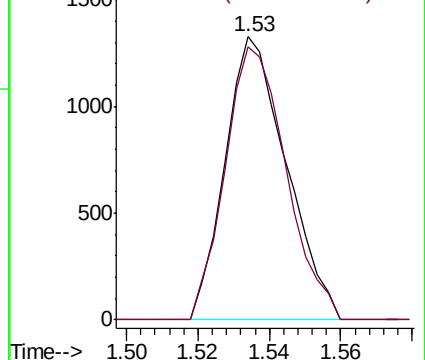
94 100

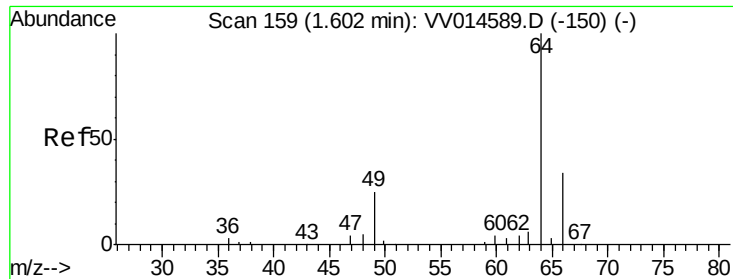
96 96.4 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.812 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

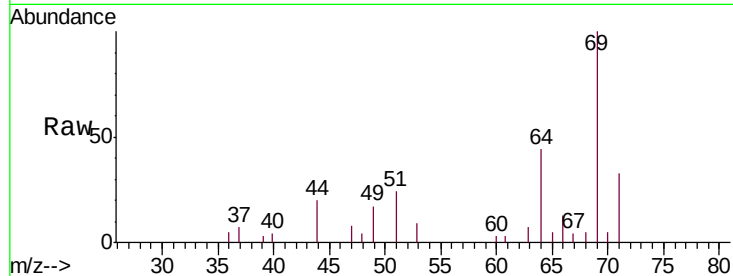
MDL07

Tgt Ion: 64 Resp: 1825

Ion Ratio Lower Upper

64 100

66 29.4 23.6 43.8



Abundance Ion 64.00 (63.70 to 64.70): VV014589.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014589.D (-150) (-)

1.60

1500

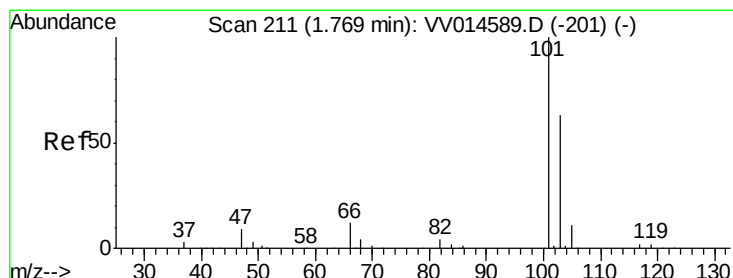
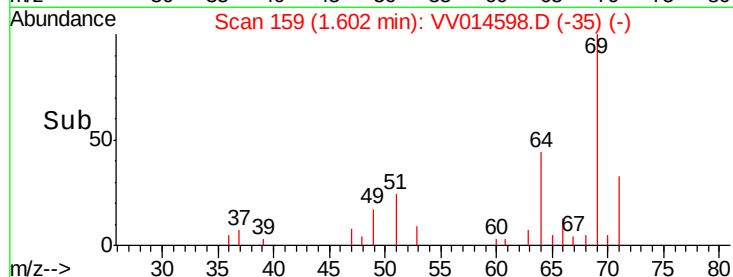
1000

500

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 2.494 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014598.D

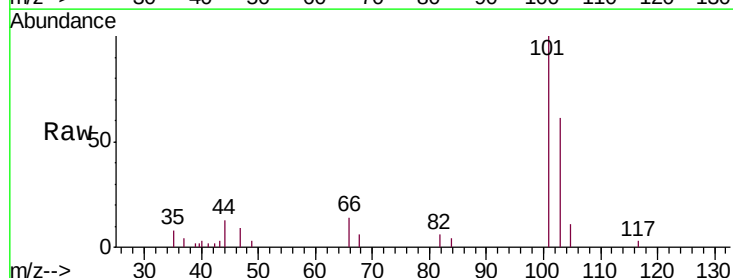
Acq: 17 Feb 2020 17:12

Tgt Ion: 101 Resp: 5855

Ion Ratio Lower Upper

101 100

103 63.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV014589.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014589.D (-201) (-)

1.77

5000

4000

3000

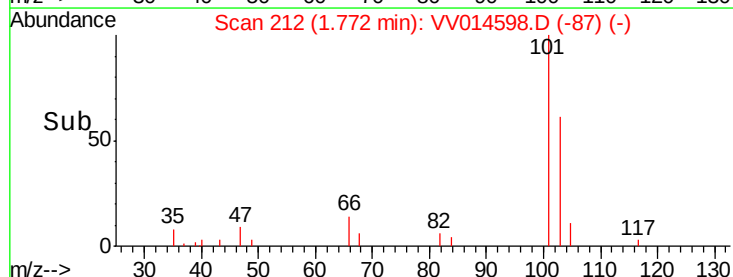
2000

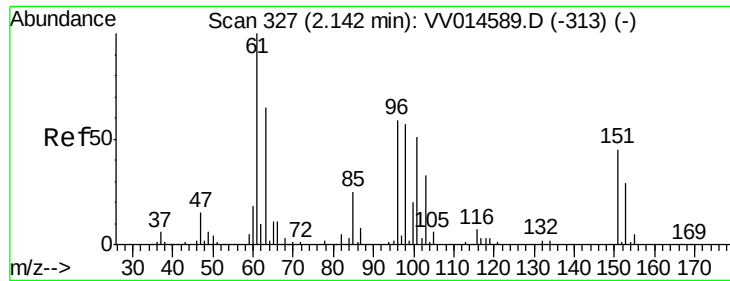
1000

0

1.75 1.80

Time-->





#10

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

Concen: 3.187 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014598.D

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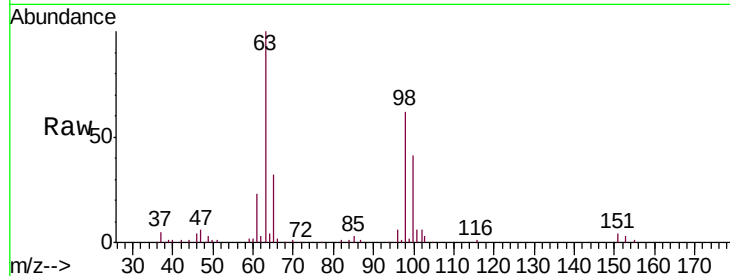
Tgt Ion:101 Resp: 3108

Ion Ratio Lower Upper

101 100

85 42.1 37.9 56.9

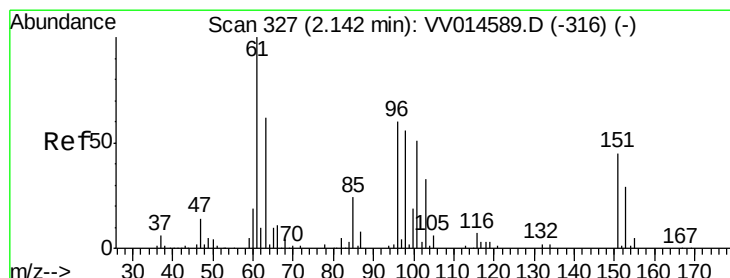
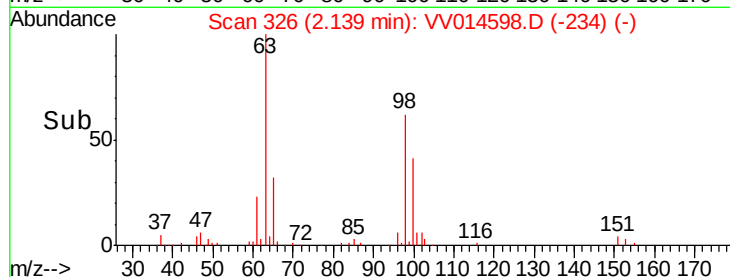
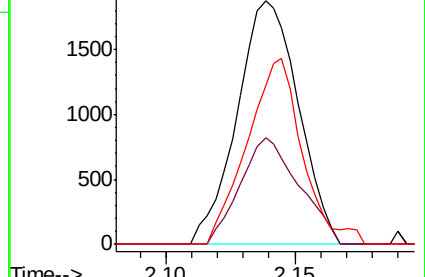
151 67.6 67.7 101.5#



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: 3.117 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

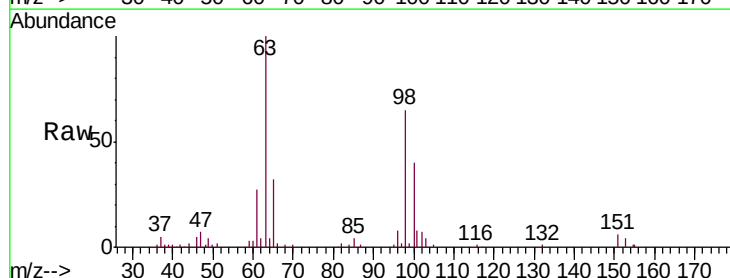
Tgt Ion: 96 Resp: 2866

Ion Ratio Lower Upper

96 100

61 327.8 118.3 219.7#

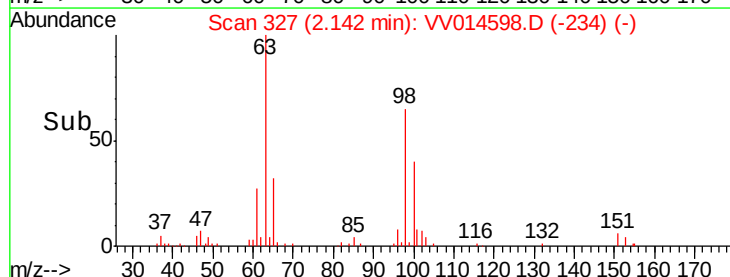
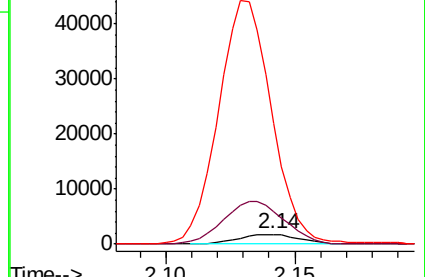
63 1213.3 77.5 143.9#

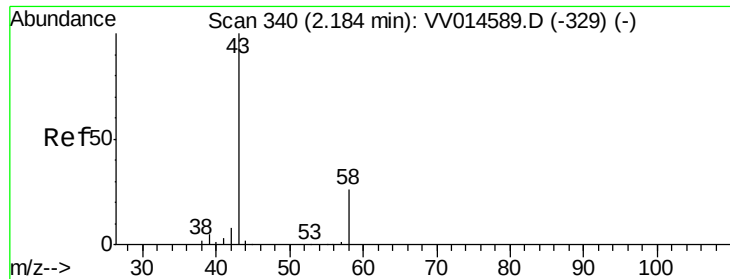


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.788 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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MSVOA_V

ClientSampled :

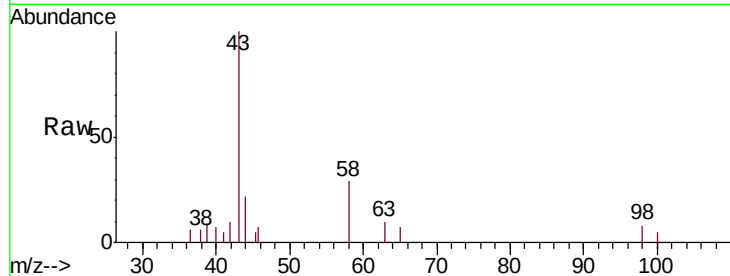
MDL07

Tgt Ion: 43 Resp: 3867

Ion Ratio Lower Upper

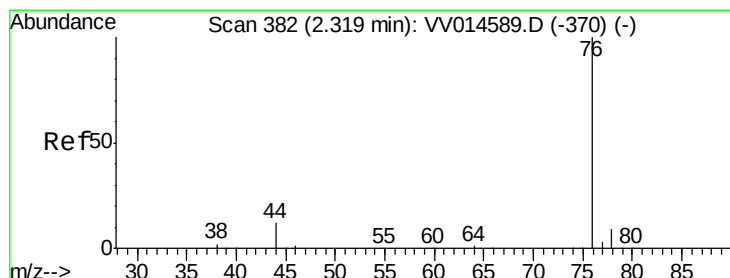
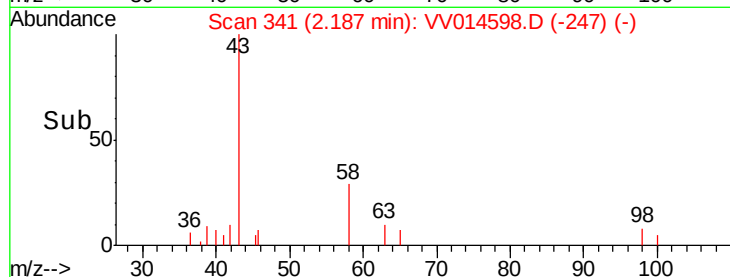
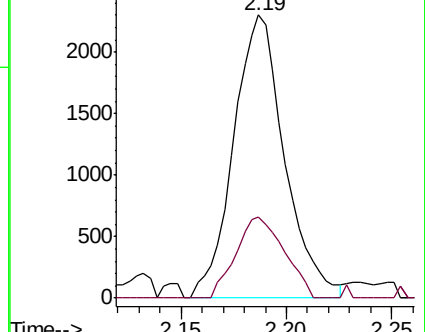
43 100

58 27.0 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV014598.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014598.D (-329) (-)



#14

Carbon disulfide

Concen: 2.490 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014598.D

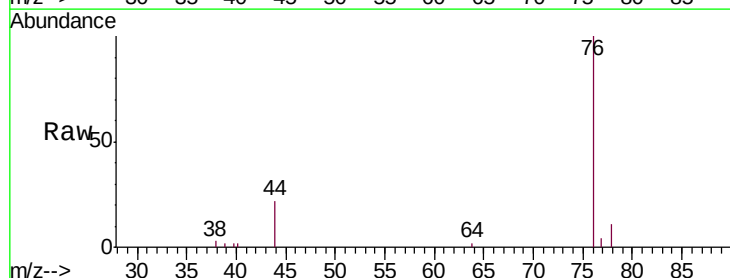
Acq: 17 Feb 2020 17:12

Tgt Ion: 76 Resp: 10501

Ion Ratio Lower Upper

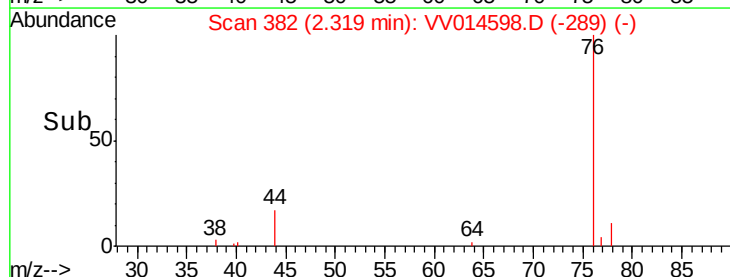
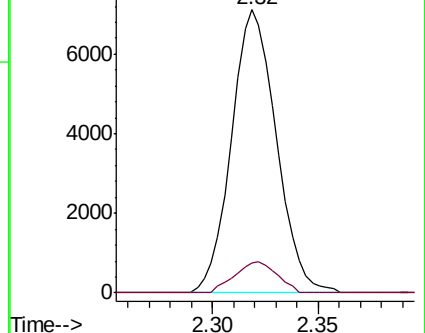
76 100

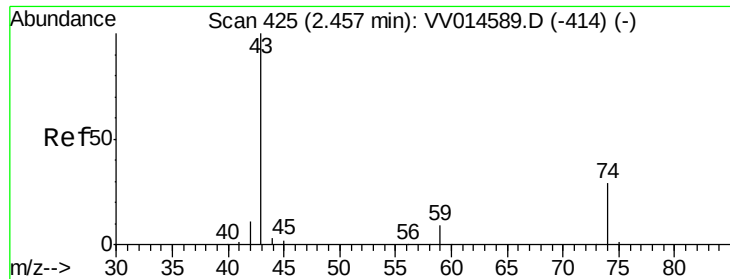
78 10.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014598.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014598.D (-289) (-)

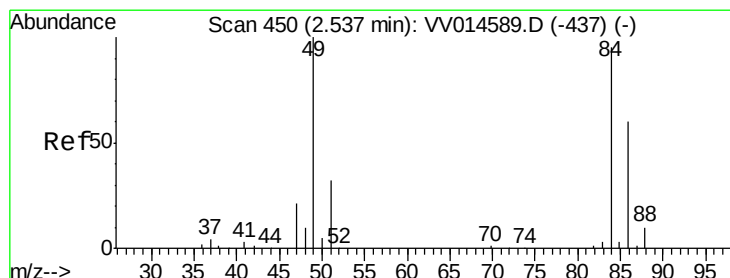
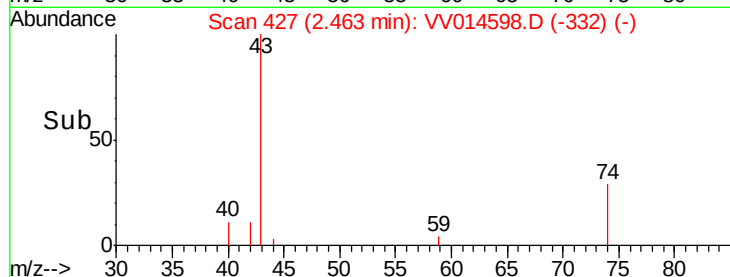
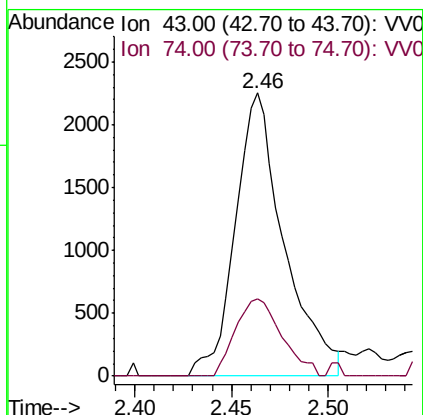
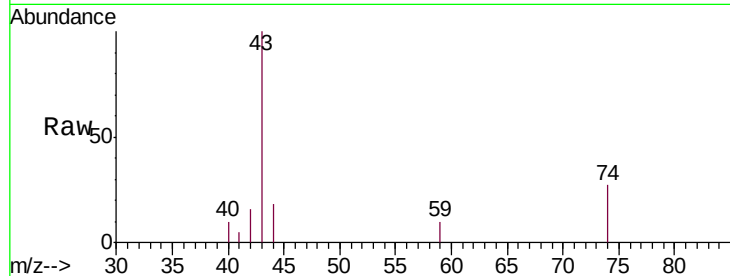




#15
Methyl Acetate
Concen: 2.572 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

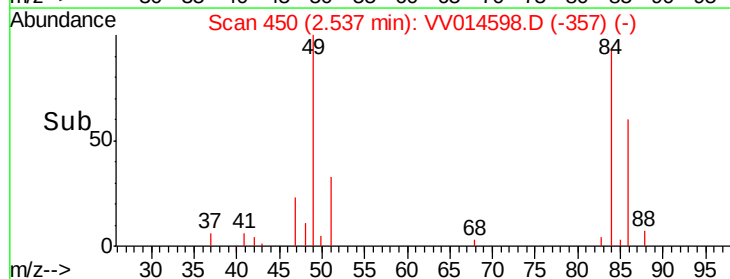
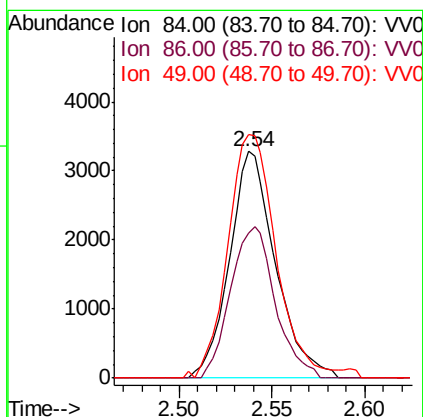
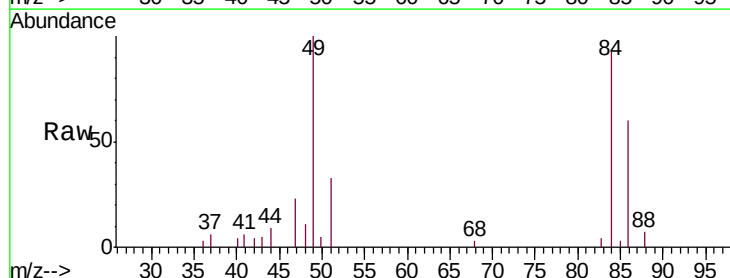
Instrument :
MSVOA_V
ClientSampleId :
MDL07

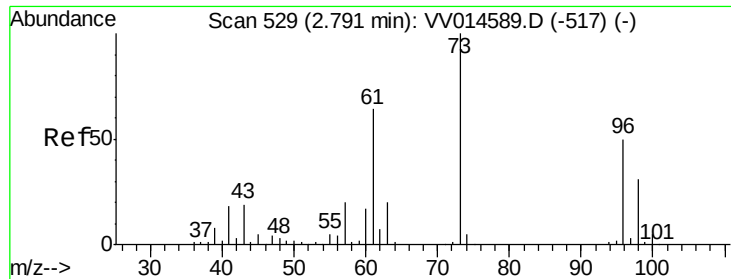
Tgt Ion: 43 Resp: 3943
Ion Ratio Lower Upper
43 100
74 25.5 22.9 34.3



#16
Methylene chloride
Concen: 3.018 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion: 84 Resp: 5669
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.8
49 107.4 74.0 137.4

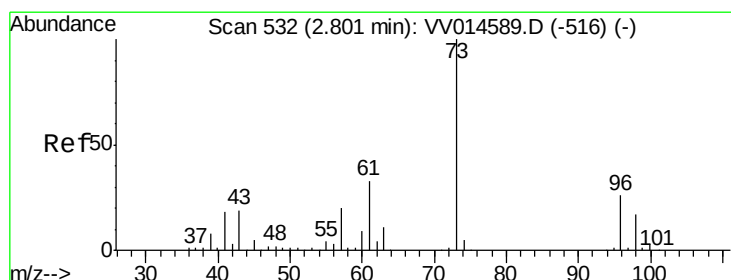
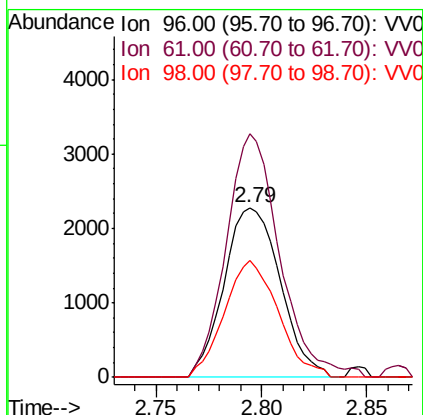
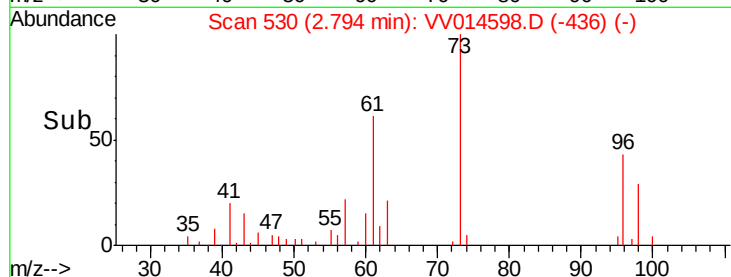
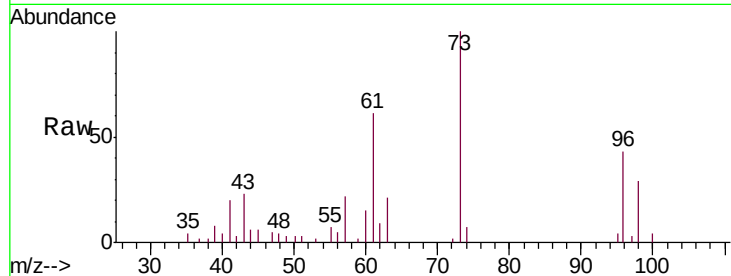




#17
trans-1,2-Dichloroethene
Concen: 2.444 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

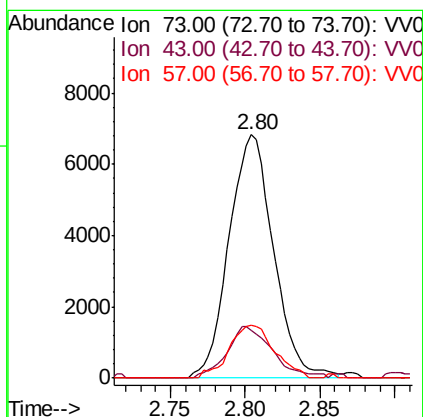
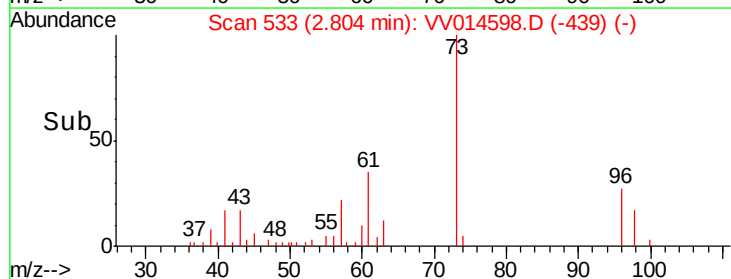
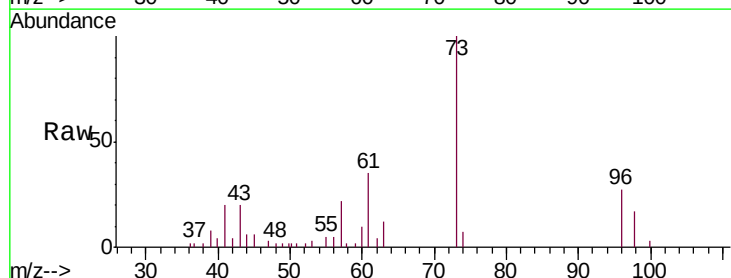
Instrument :
MSVOA_V
ClientSampleId :
MDL07

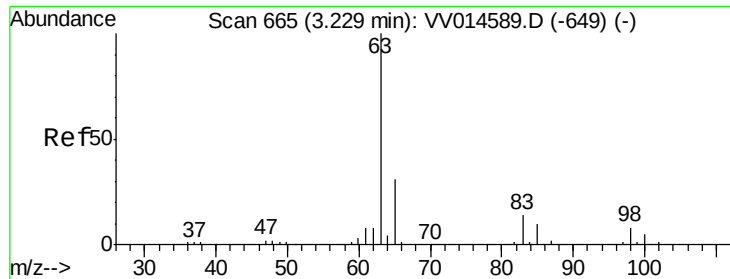
Tgt Ion: 96 Resp: 4226
Ion Ratio Lower Upper
96 100
61 143.2 90.6 168.3
98 68.4 44.2 82.2



#18
Methyl tert-butyl Ether
Concen: 2.467 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion: 73 Resp: 14162
Ion Ratio Lower Upper
73 100
43 21.8 14.7 22.1
57 21.6 16.2 24.4

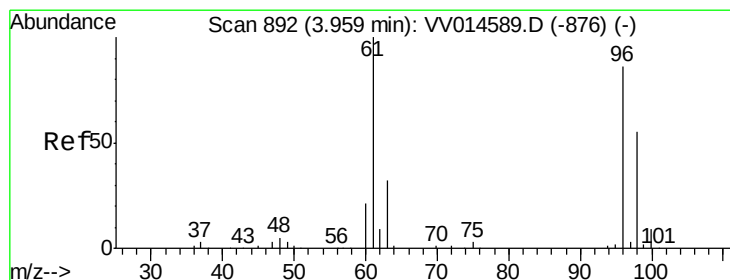
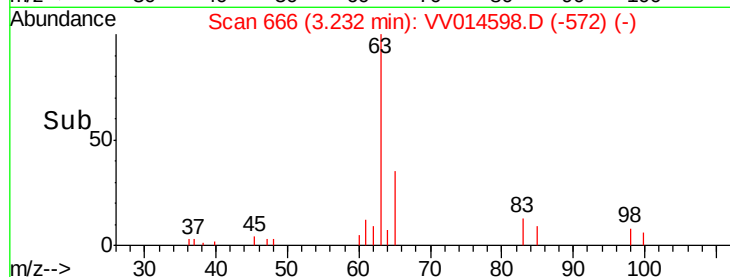
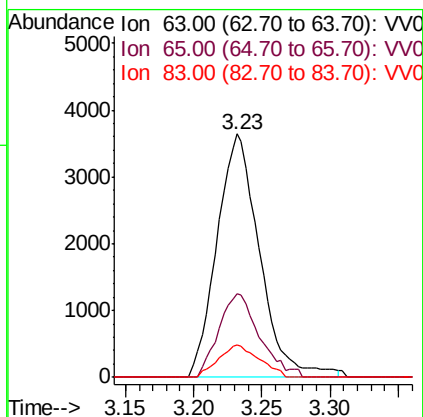
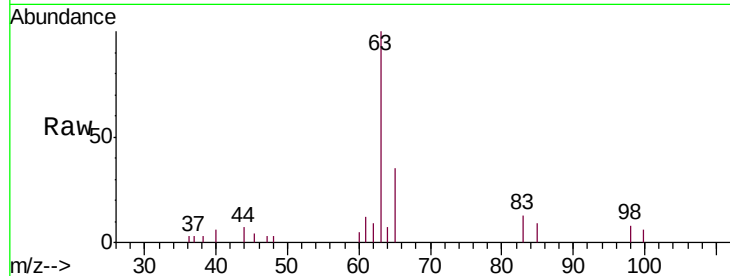




#19
 1,1-Dichloroethane
 Concen: 2.567 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

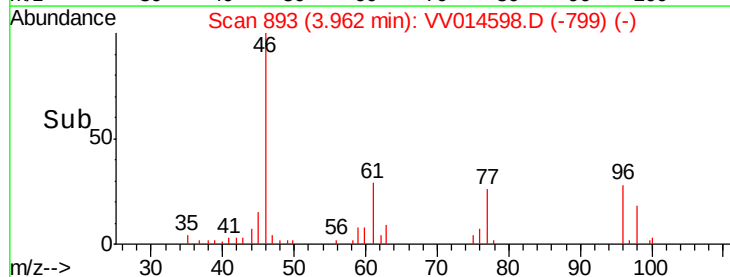
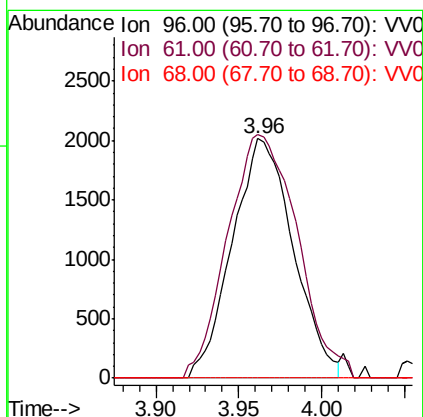
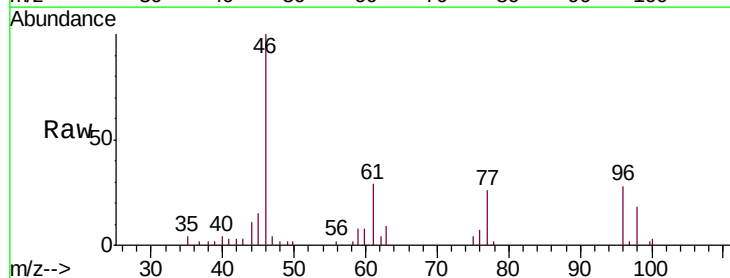
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

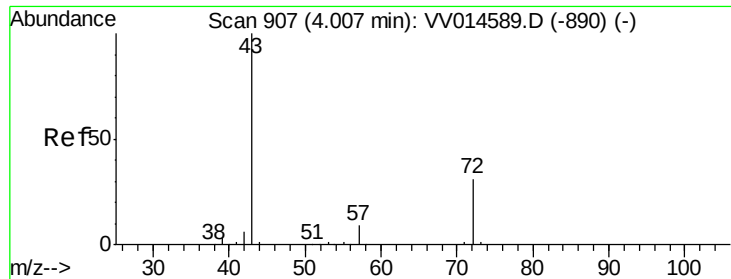
Tgt Ion: 63 Resp: 7908
 Ion Ratio Lower Upper
 63 100
 65 34.5 21.8 40.4
 83 13.4 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 2.537 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion: 96 Resp: 5158
 Ion Ratio Lower Upper
 96 100
 61 101.6 81.4 151.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.316 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

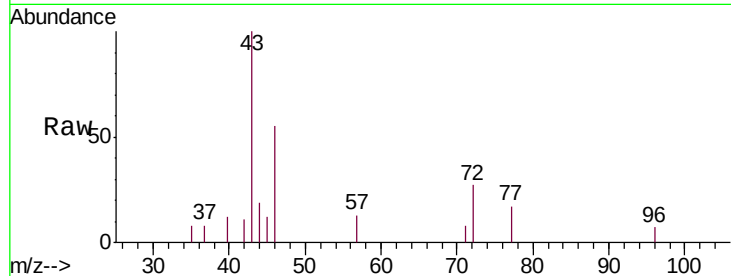
Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 43 Resp: 4078

Ion Ratio Lower Upper

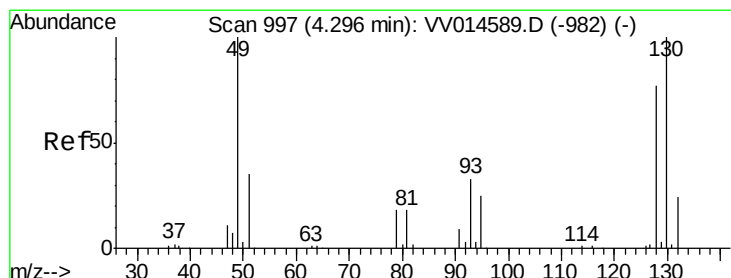
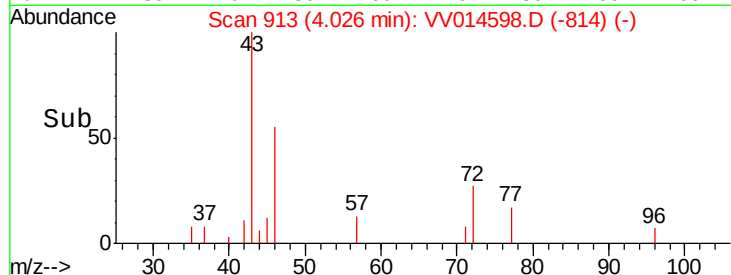
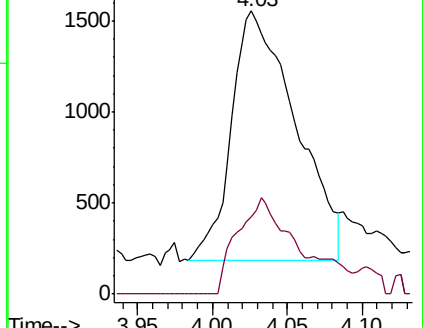
43 100

72 24.7 15.1 45.3



Abundance Ion 43.00 (42.70 to 43.70): VV014598.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV014598.D (-890) (-)



#23

Bromochloromethane

Concen: 2.556 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion: 128 Resp: 2562

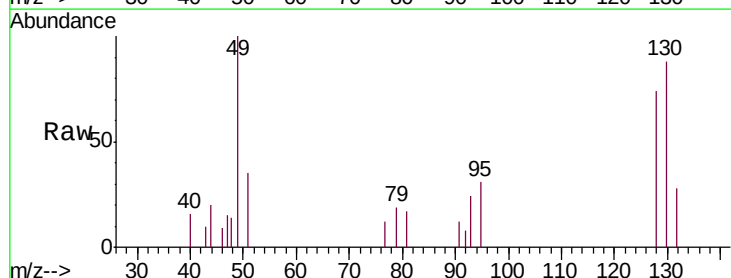
Ion Ratio Lower Upper

128 100

49 134.5 91.7 170.3

130 118.6 91.4 169.8

51 46.7 36.2 54.2

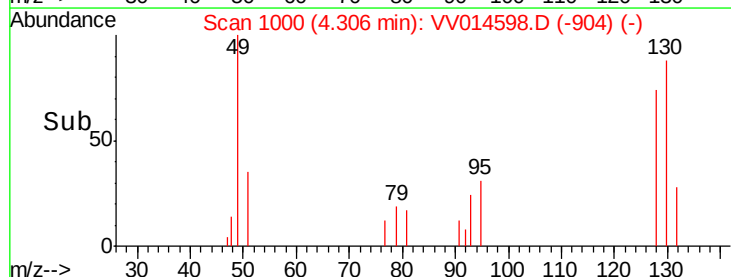
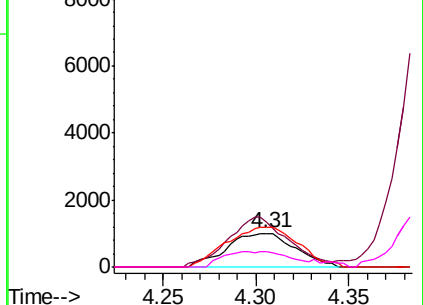


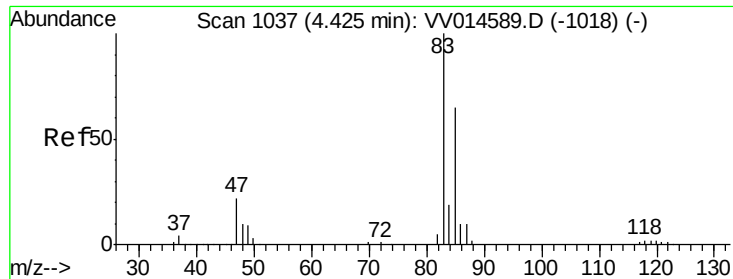
Abundance Ion 128.00 (127.70 to 128.70): VV014598.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014598.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014598.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014598.D (-904) (-)





#25

Chloroform

Concen: 3.622 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

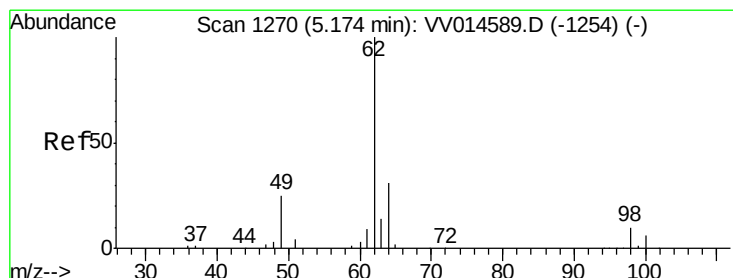
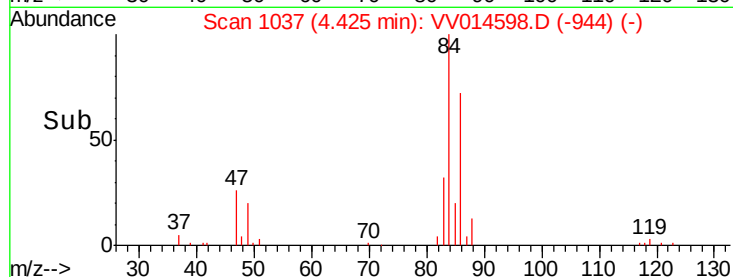
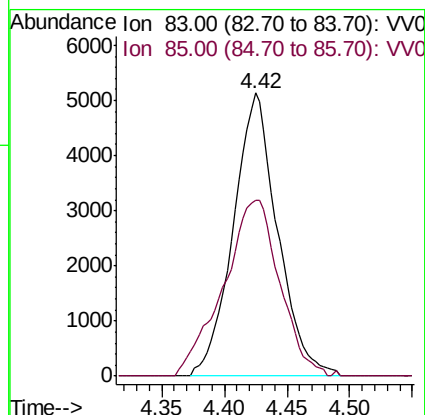
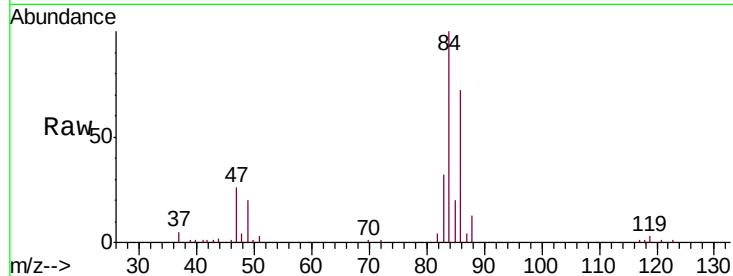
MDL07

Tgt Ion: 83 Resp: 12640

Ion Ratio Lower Upper

83 100

85 62.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 2.615 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV014598.D

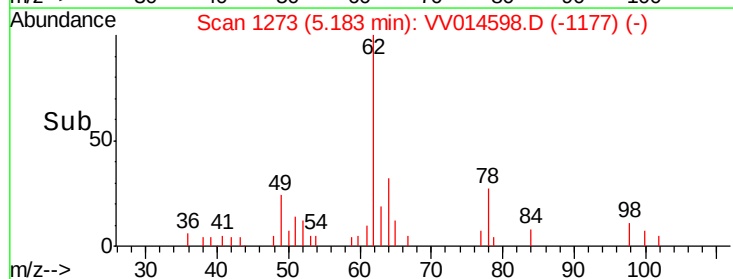
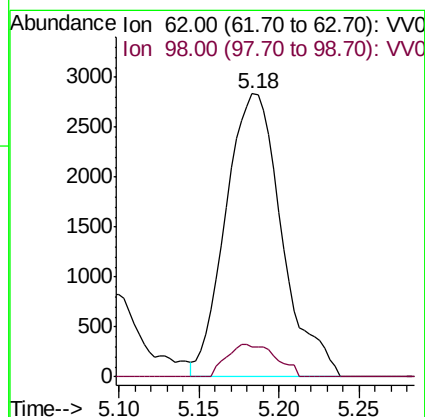
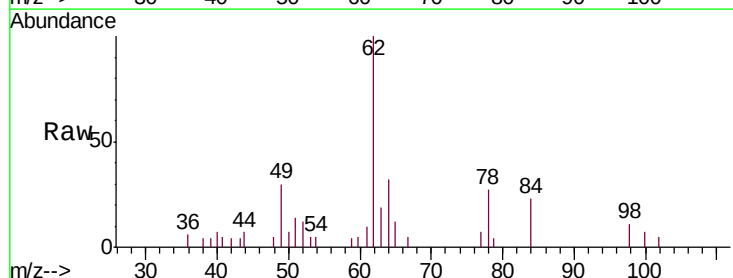
Acq: 17 Feb 2020 17:12

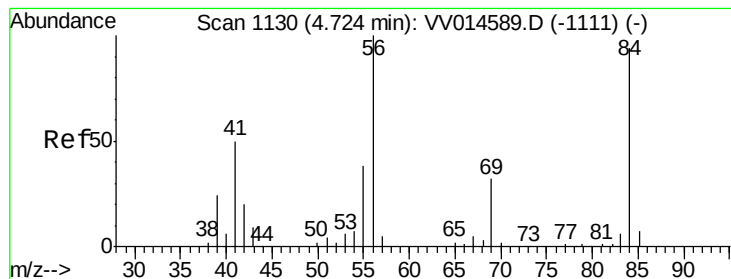
Tgt Ion: 62 Resp: 6827

Ion Ratio Lower Upper

62 100

98 10.7 8.1 12.1





#29

Cyclohexane

Concen: 2.508 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

MDL07

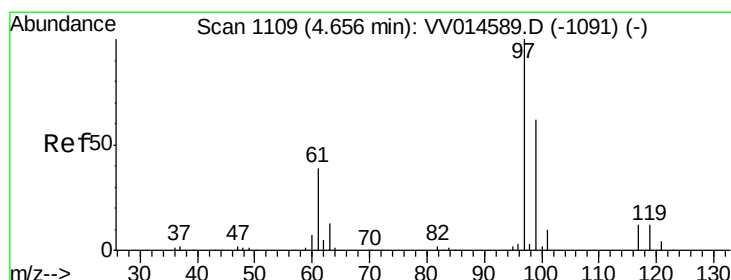
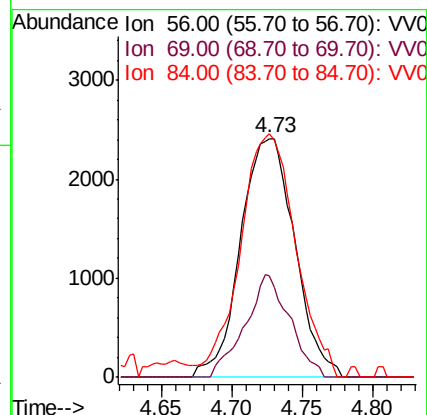
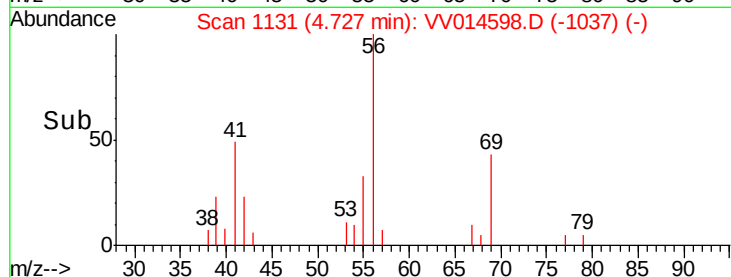
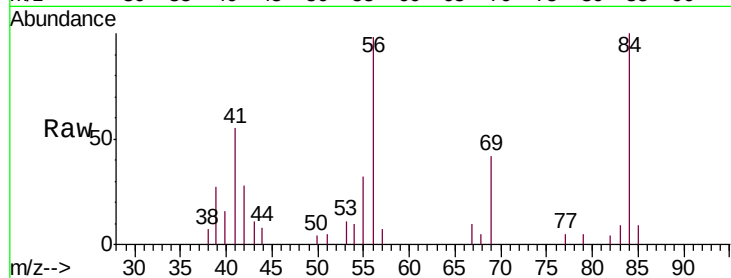
Tgt Ion: 56 Resp: 6482

Ion Ratio Lower Upper

56 100

69 35.2 26.6 39.8

84 104.0 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 2.219 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

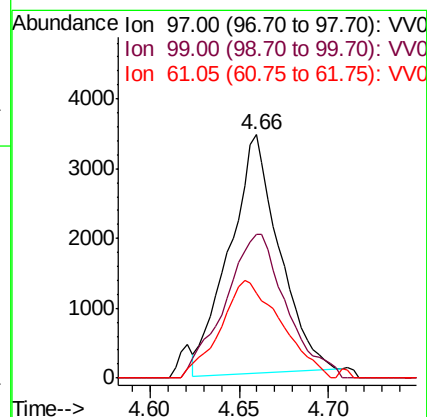
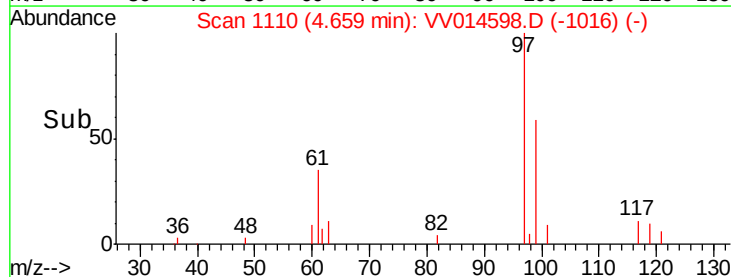
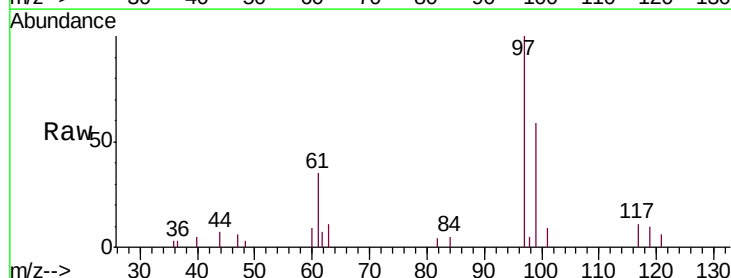
Tgt Ion: 97 Resp: 6676

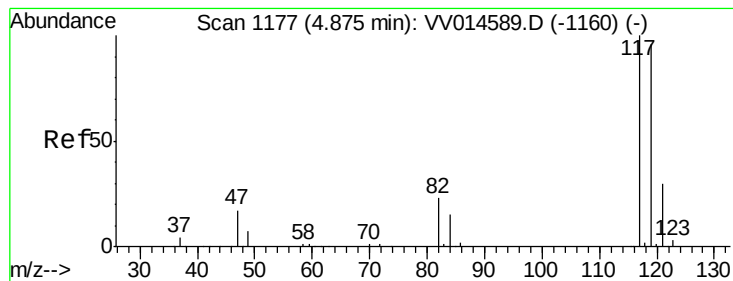
Ion Ratio Lower Upper

97 100

99 73.5 50.6 76.0

61 49.6 31.6 47.4#





#31

Carbon tetrachloride

Concen: 2.451 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

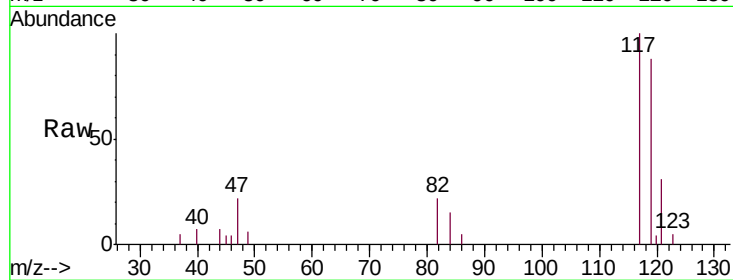
MDL07

Tgt Ion:117 Resp: 6575

Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

3000

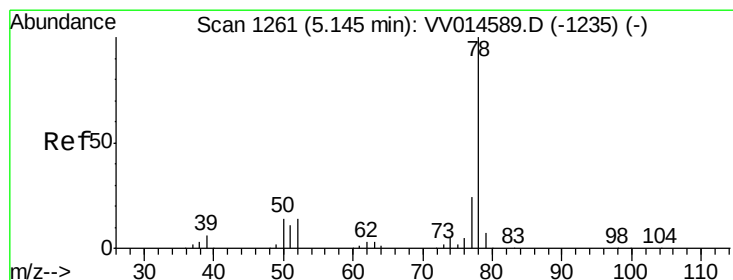
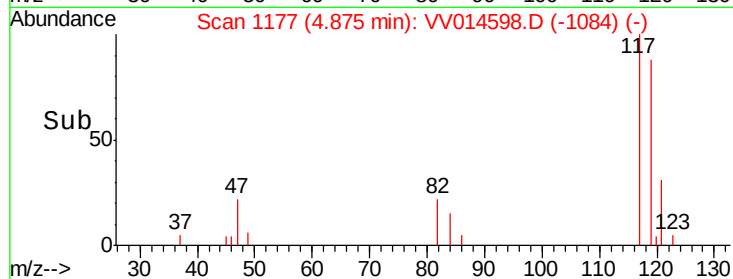
2000

1000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 2.620 ug/L

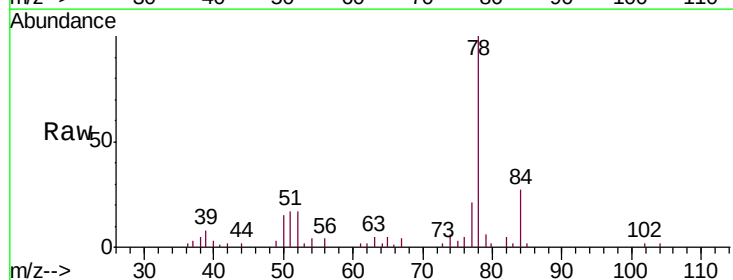
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Tgt Ion: 78 Resp: 18225



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

8000

6000

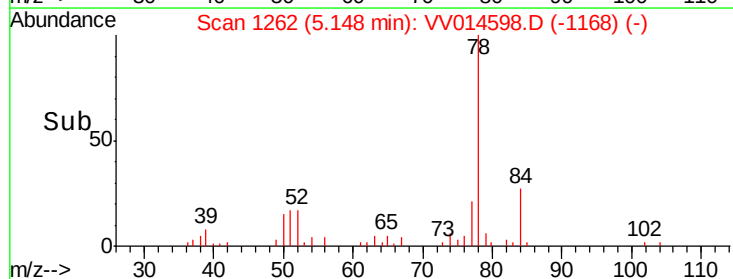
4000

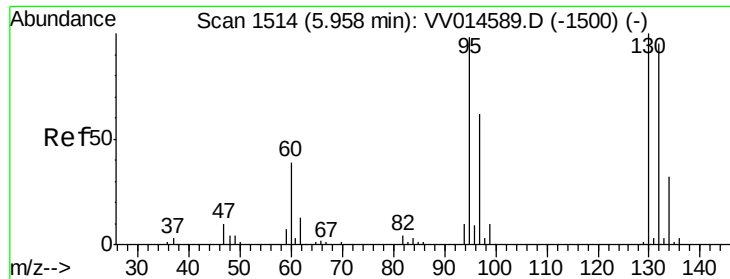
2000

0

Time-->

5.10 5.15 5.20





#34

Trichloroethene

Concen: 2.467 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 95 Resp: 4681

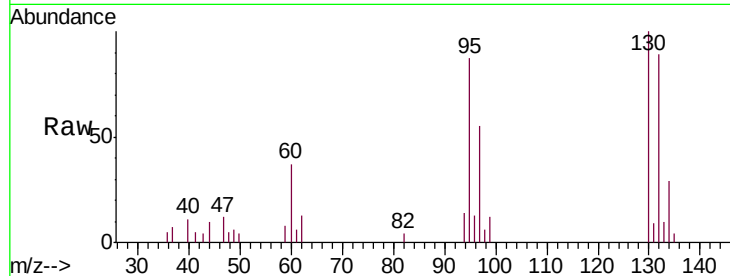
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 101.8 67.8 125.8

130 114.9 71.4 132.6

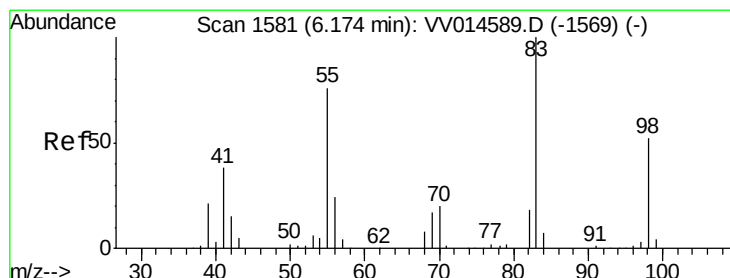
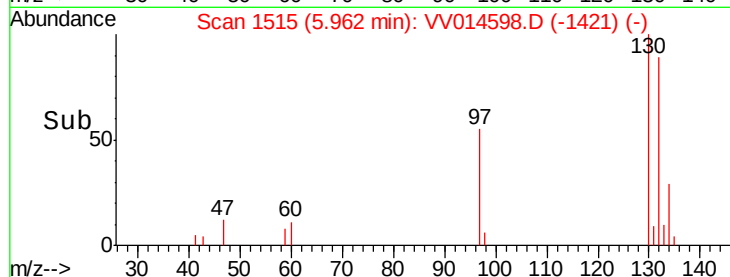
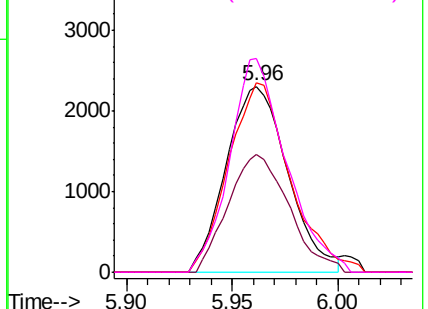


Abundance Ion 95.00 (94.70 to 95.70): VV014589.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV014589.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV014589.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV014589.D (-1500) (-)



#35

Methylcyclohexane

Concen: 2.400 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

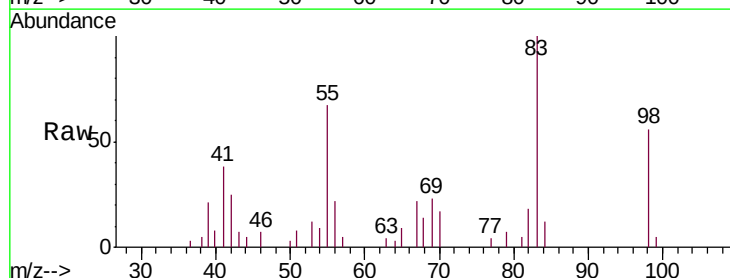
Tgt Ion: 83 Resp: 7084

Ion Ratio Lower Upper

83 100

55 75.8 57.4 86.2

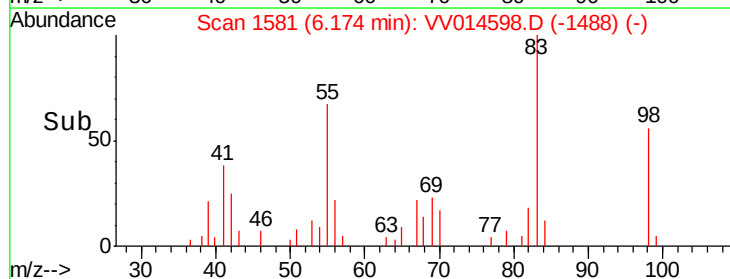
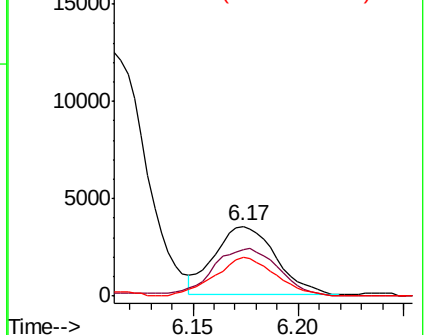
98 56.3 40.4 60.6

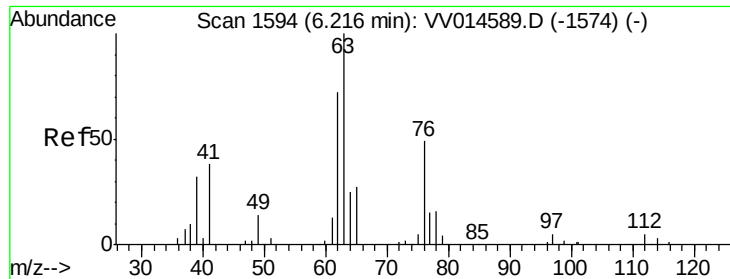


Abundance Ion 83.00 (82.70 to 83.70): VV014589.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV014589.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV014589.D (-1569) (-)

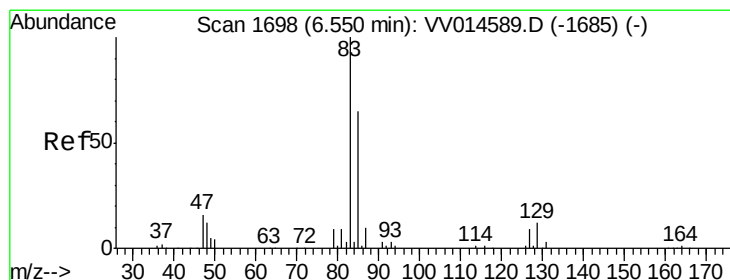
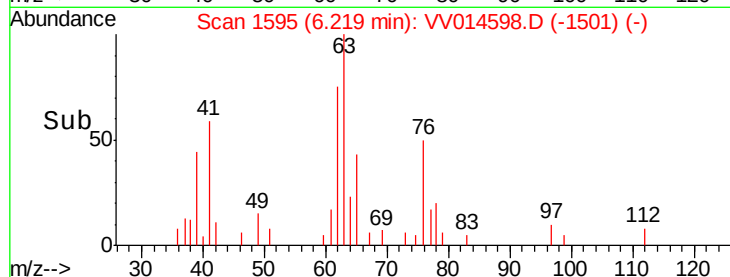
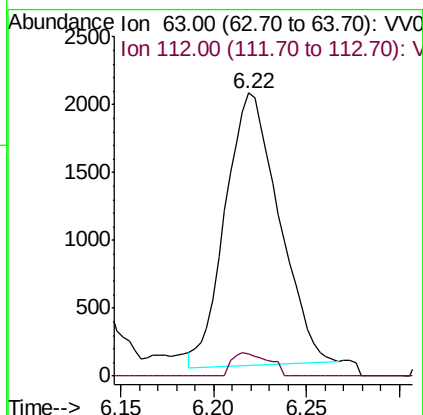
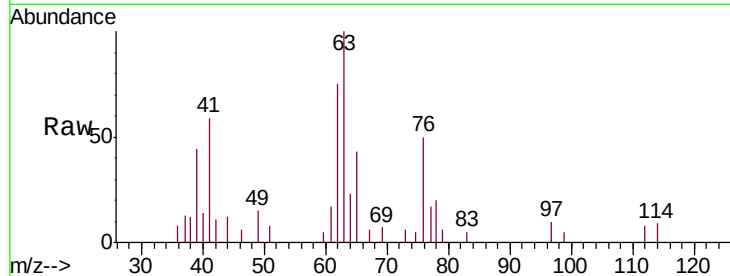




#37
 1,2-Dichloropropane
 Concen: 2.383 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

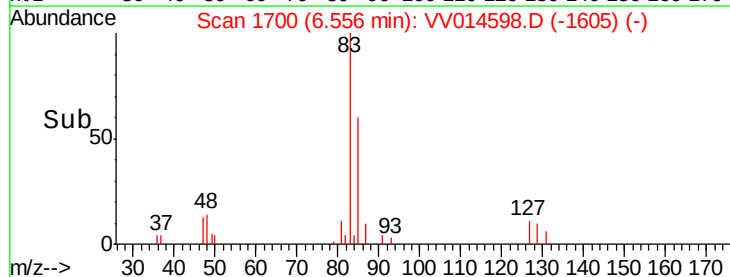
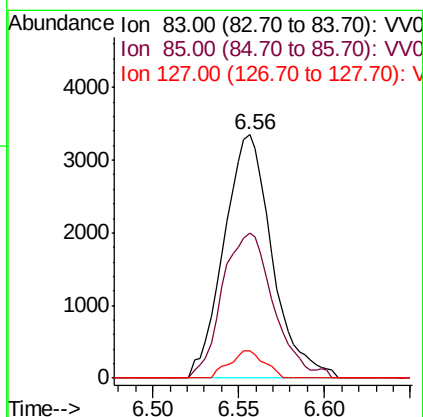
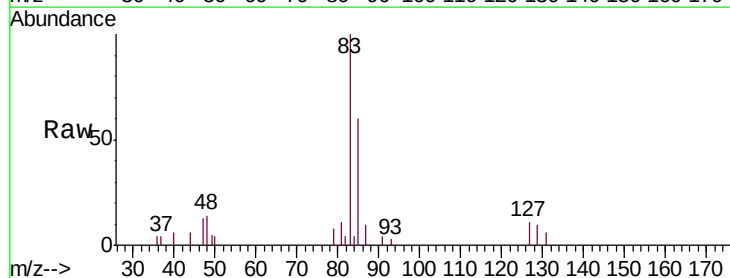
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

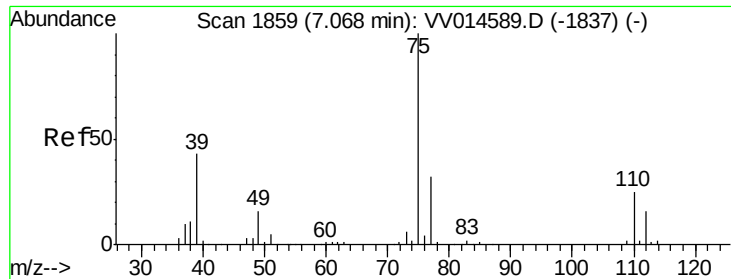
Tgt Ion: 63 Resp: 4020
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.2



#38
 Bromodichloromethane
 Concen: 2.483 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion: 83 Resp: 6525
 Ion Ratio Lower Upper
 83 100
 85 59.6 45.5 84.5
 127 11.3 7.1 10.7#

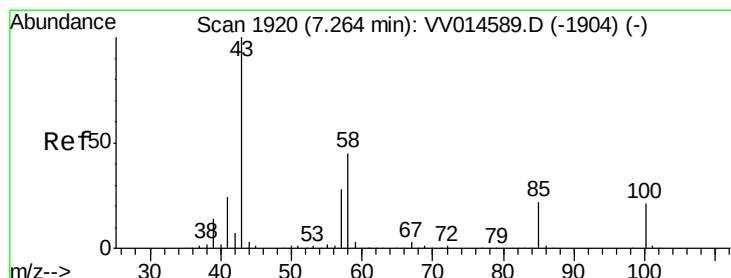
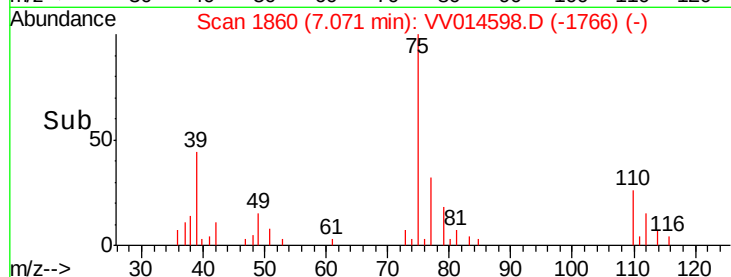
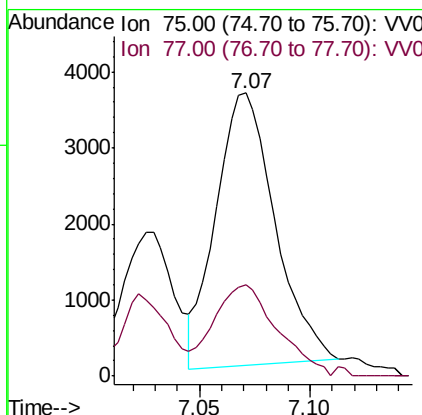
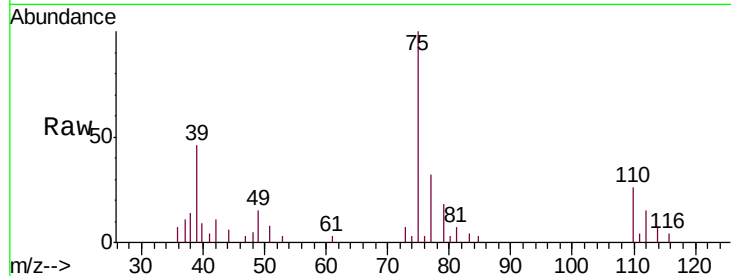




#39
 cis-1,3-Dichloropropene
 Concen: 2.224 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

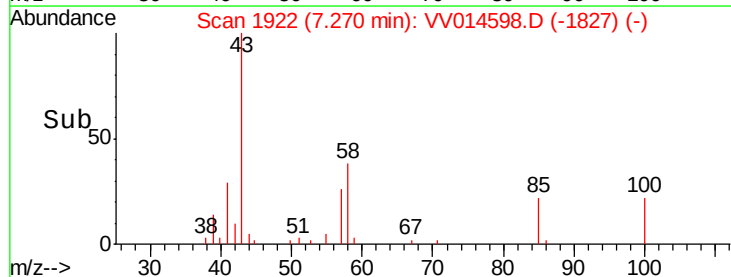
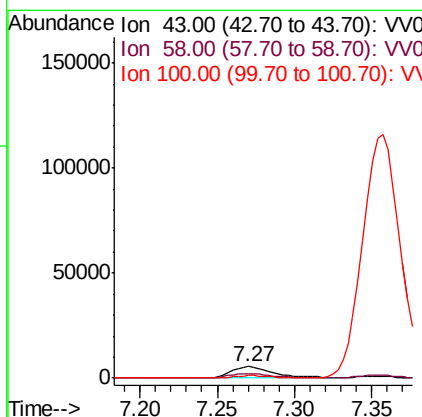
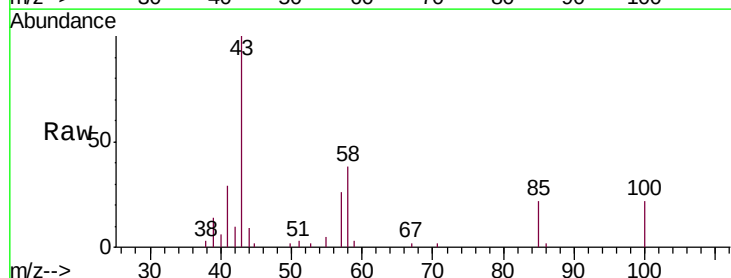
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

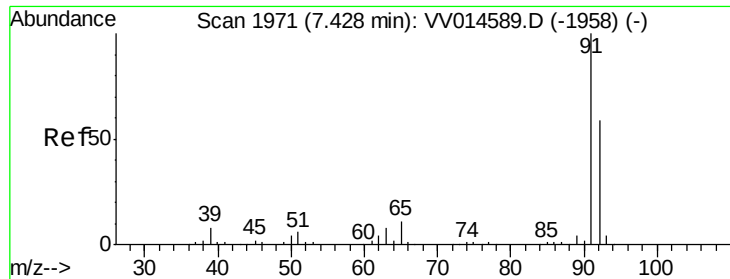
Tgt Ion: 75 Resp: 6657
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 5.071 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion: 43 Resp: 10701
 Ion Ratio Lower Upper
 43 100
 58 38.8 35.6 53.4
 100 19.1 16.0 24.0





#42

Toluene

Concen: 2.575 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

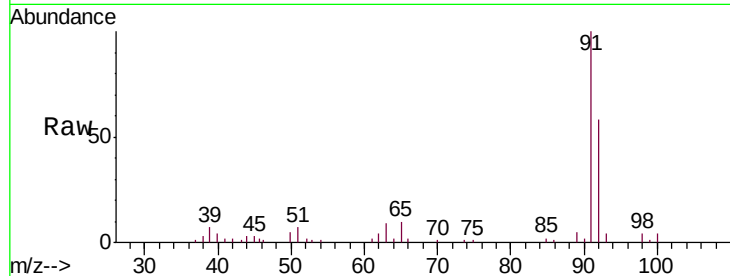
MDL07

Tgt Ion: 91 Resp: 19732

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

12000

10000

8000

6000

4000

2000

0

7.35

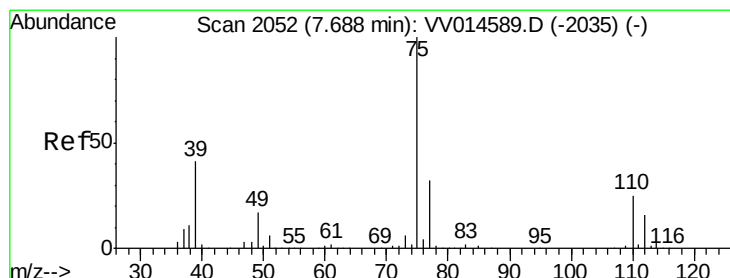
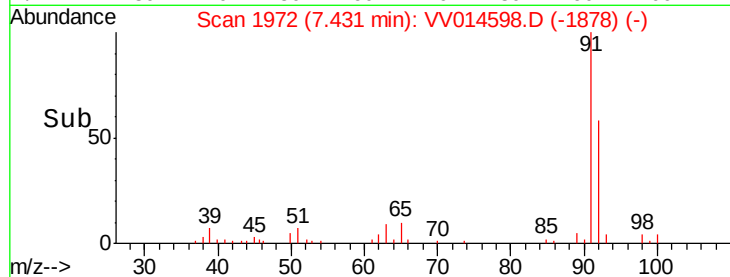
7.40

7.43

7.45

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.477 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014598.D

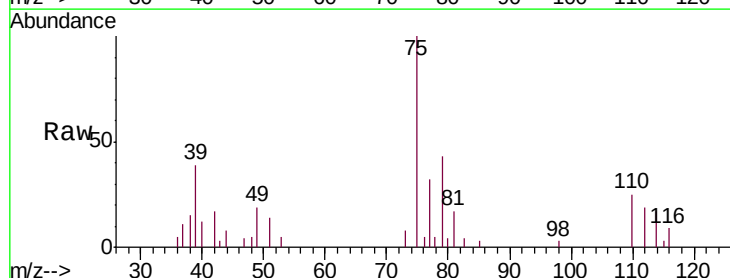
Acq: 17 Feb 2020 17:12

Tgt Ion: 75 Resp: 6905

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

4000

3000

2000

1000

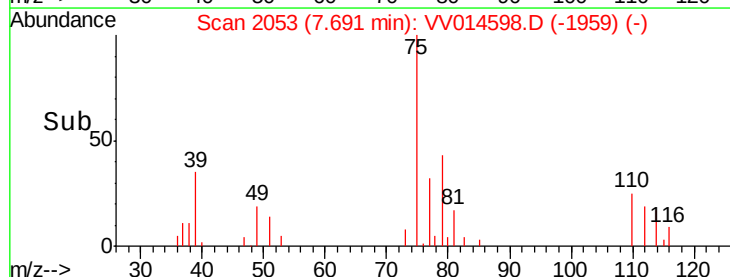
0

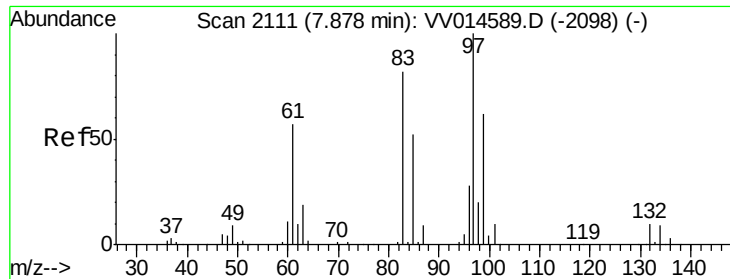
7.65

7.69

7.75

Time-->

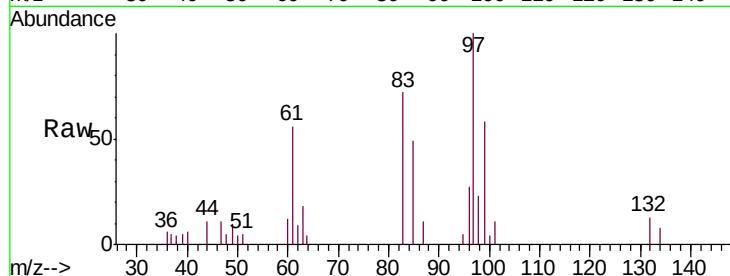




#45
 1,1,2-Trichloroethane
 Concen: 2.633 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion:	97	Resp:	4781
Ion	Ratio	Lower	Upper
97	100		
99	57.9	43.4	80.6
83	71.8	57.6	107.0
85	49.4	36.1	67.1



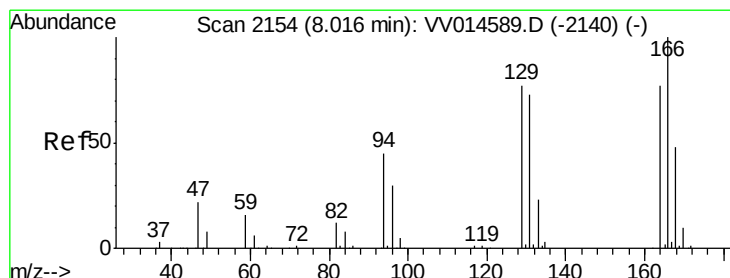
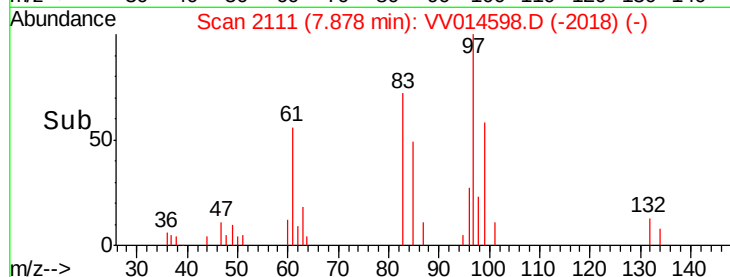
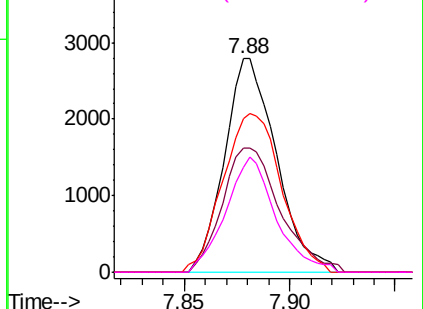
Abundance

Ion 97.00 (96.70 to 97.70): VV014598.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV014598.D (-2098) (-)

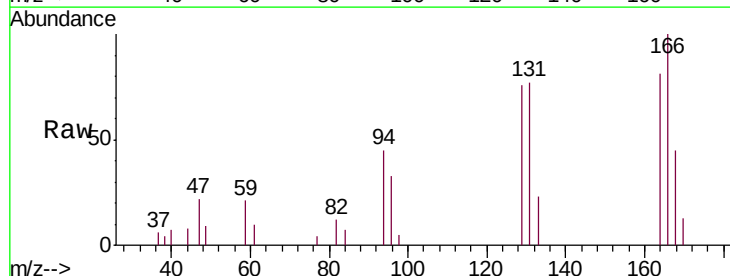
Ion 83.00 (82.70 to 83.70): VV014598.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV014598.D (-2098) (-)



#46
 Tetrachloroethene
 Concen: 2.497 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion:	164	Resp:	3789
Ion	Ratio	Lower	Upper
164	100		
129	93.7	69.8	129.6
131	94.5	66.2	123.0
166	122.8	90.9	168.9



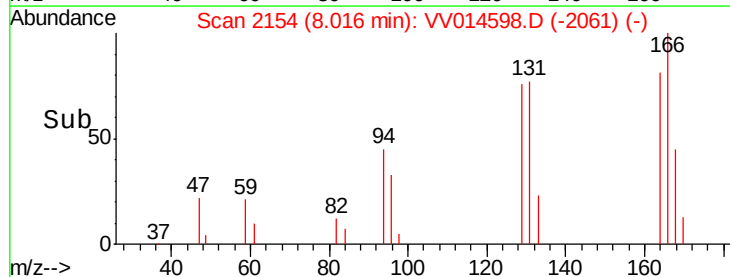
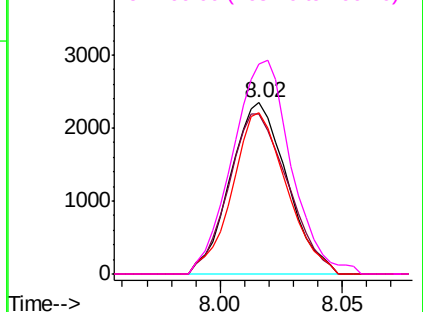
Abundance

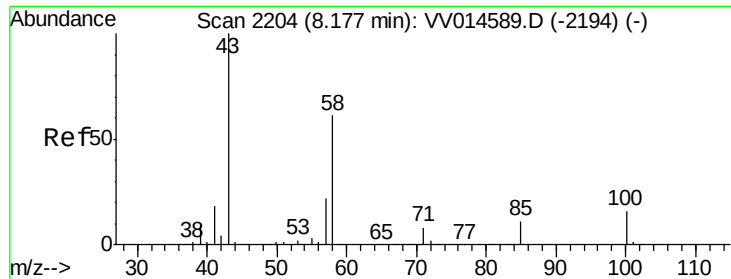
Ion 164.00 (163.70 to 164.70): VV014598.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV014598.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV014598.D (-2140) (-)

Ion 166.00 (165.70 to 166.70): VV014598.D (-2140) (-)

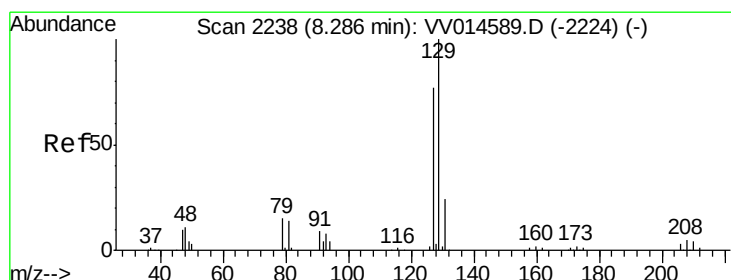
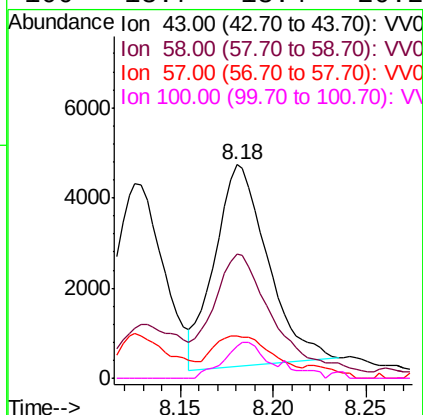
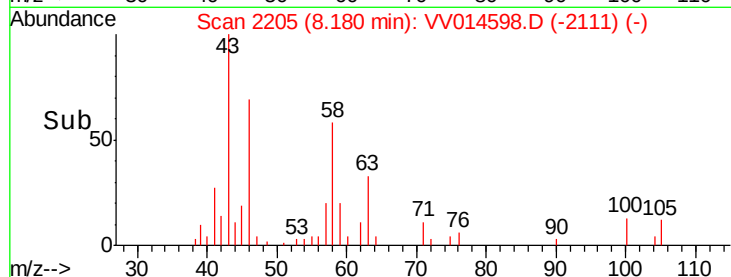
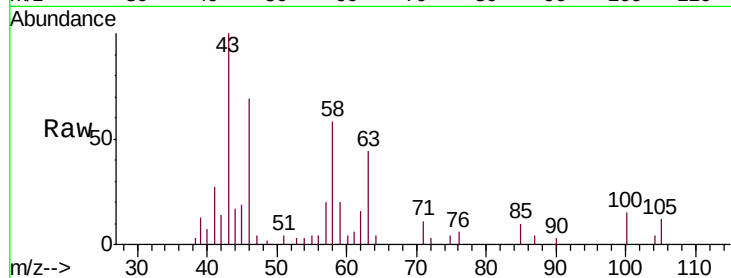




#48
2-Hexanone
Concen: 5.387 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

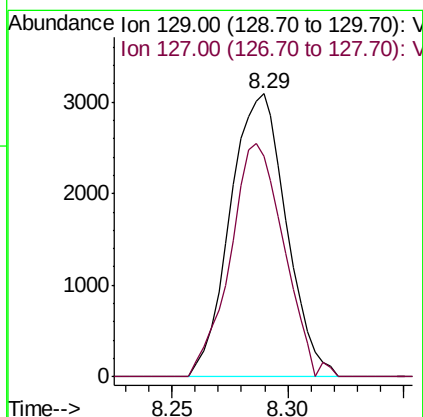
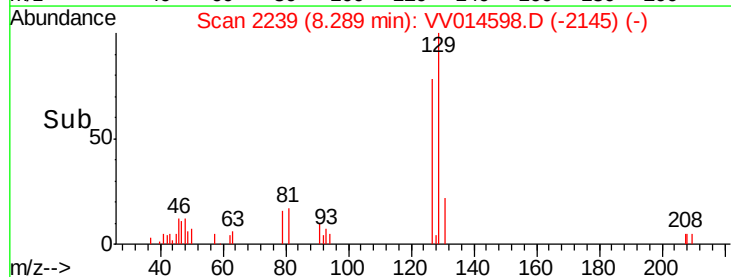
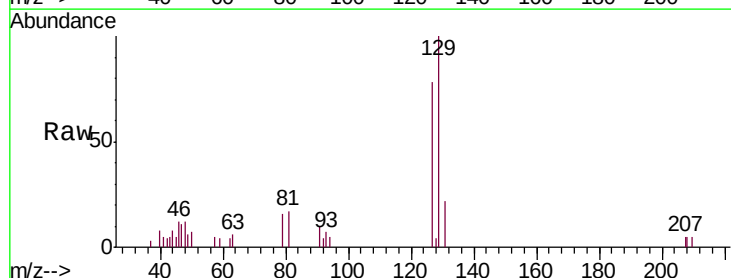
Instrument :
MSVOA_V
ClientSampleId :
MDL07

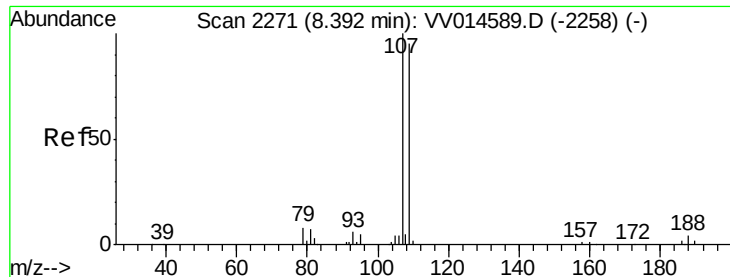
Tgt Ion: 43 Resp: 8874
Ion Ratio Lower Upper
43 100
58 58.7 49.8 74.6
57 24.6 17.0 25.6
100 13.7 13.4 20.2



#49
Dibromochloromethane
Concen: 2.360 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion: 129 Resp: 5192
Ion Ratio Lower Upper
129 100
127 77.9 53.8 100.0

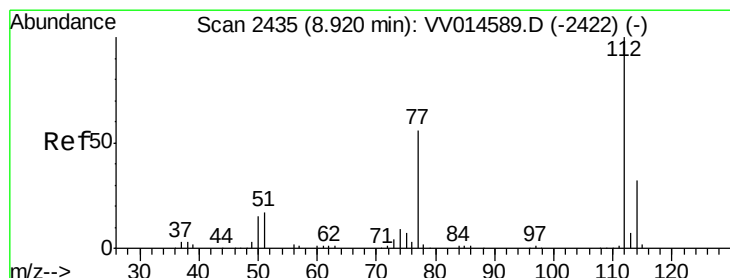
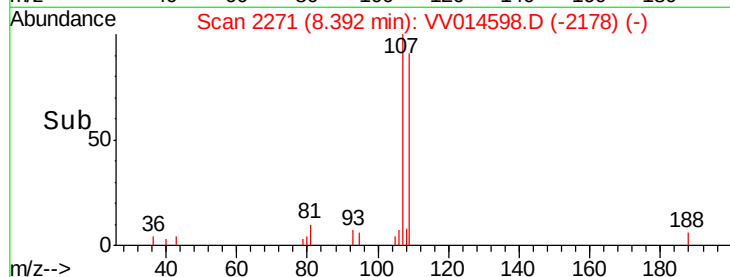
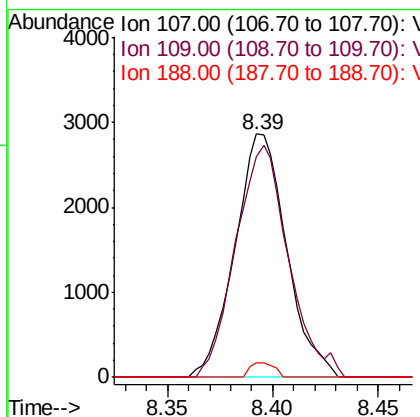
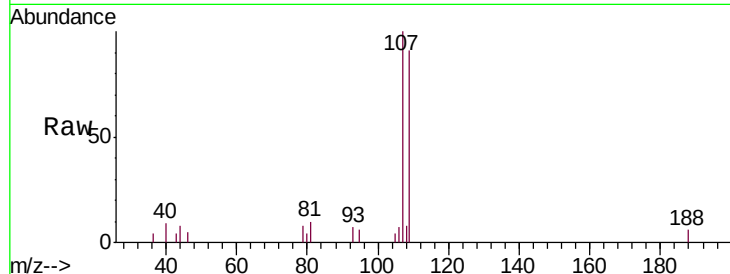




#50
1,2-Dibromoethane
Concen: 2.443 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

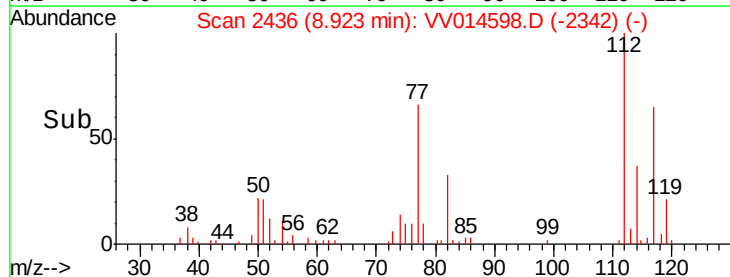
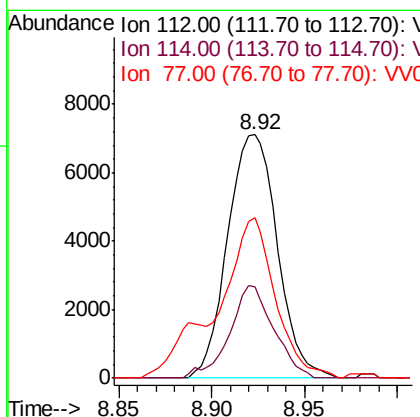
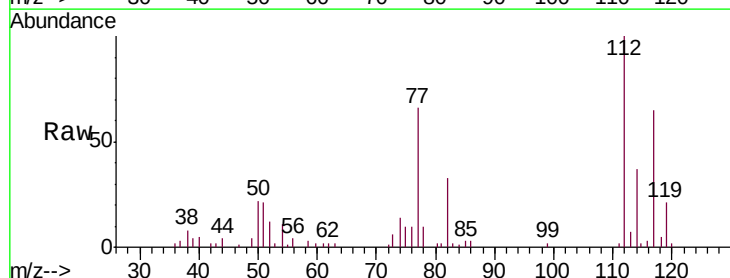
Instrument :
MSVOA_V
ClientSampleId :
MDL07

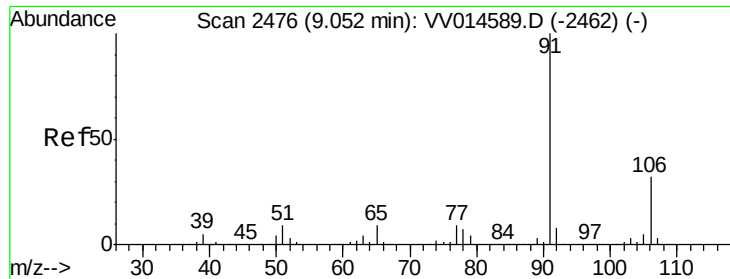
Tgt Ion:107 Resp: 4873
Ion Ratio Lower Upper
107 100
109 90.7 66.5 123.5
188 5.7 3.3 4.9#



#51
Chlorobenzene
Concen: 2.557 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion:112 Resp: 13253
Ion Ratio Lower Upper
112 100
114 37.3 22.4 41.6
77 65.7 45.5 68.3





#52

Ethylbenzene

Concen: 2.473 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampled :

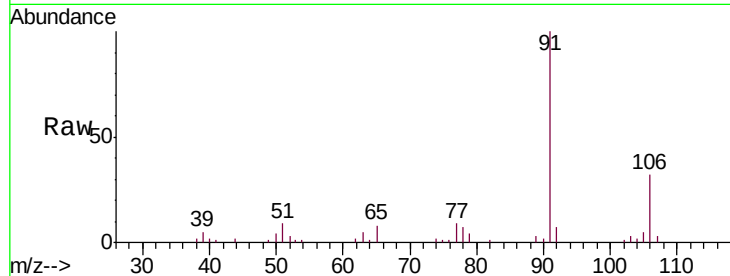
MDL07

Tgt Ion: 91 Resp: 21789

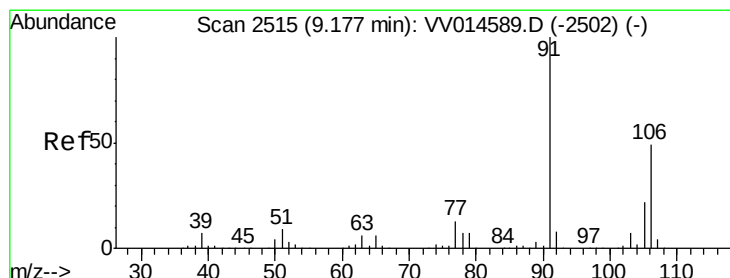
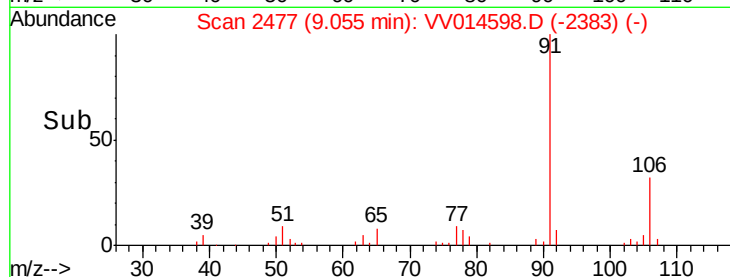
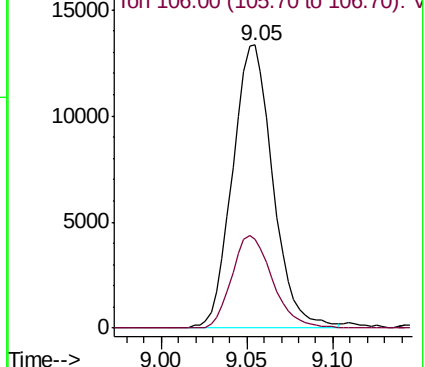
Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-2462) (-)



#53

m,p-Xylene

Concen: 2.470 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014598.D

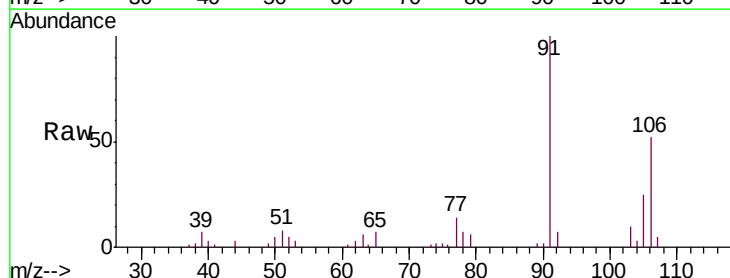
Acq: 17 Feb 2020 17:12

Tgt Ion: 106 Resp: 8419

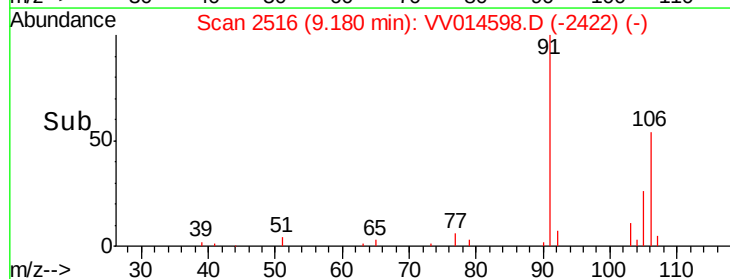
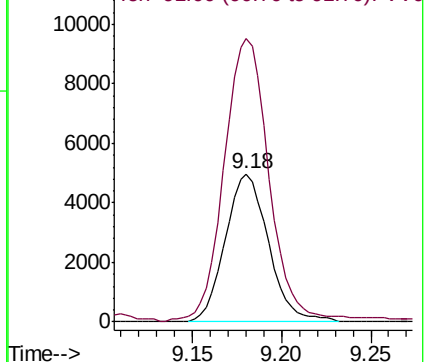
Ion Ratio Lower Upper

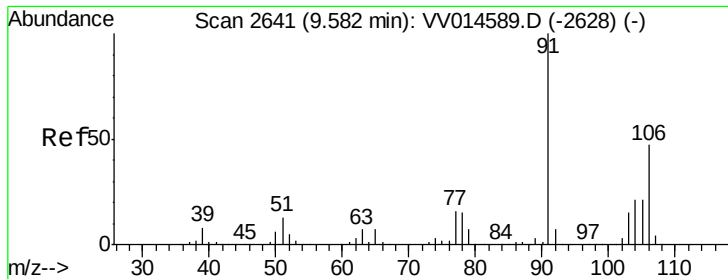
106 100

91 191.3 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VV014589.D (-2502) (-)

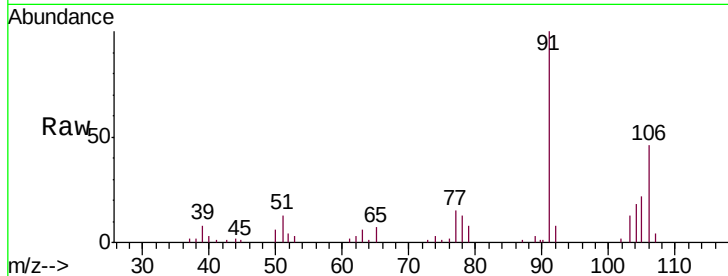




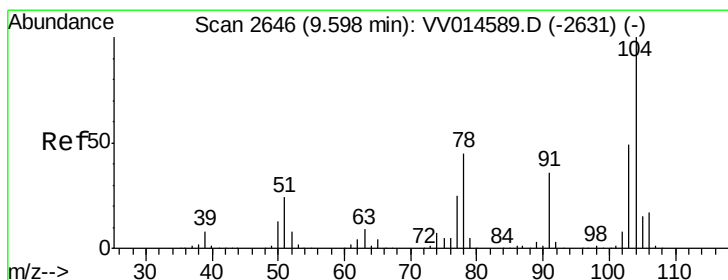
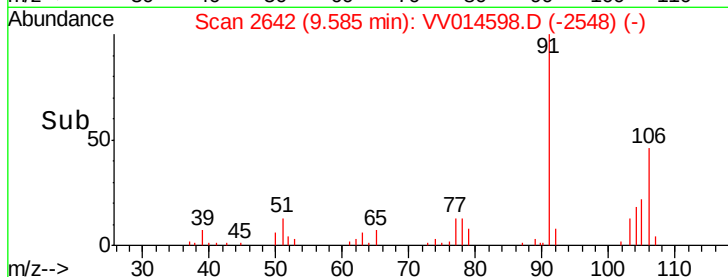
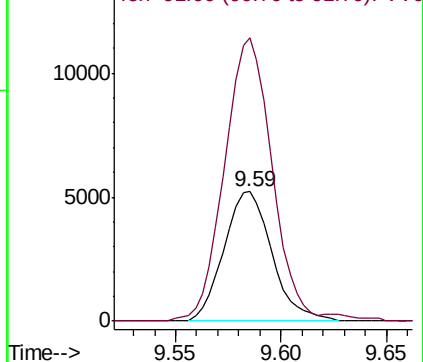
#54
o-Xylene
Concen: 2.519 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion:106 Resp: 8269
Ion Ratio Lower Upper
106 100
91 219.0 150.5 279.5

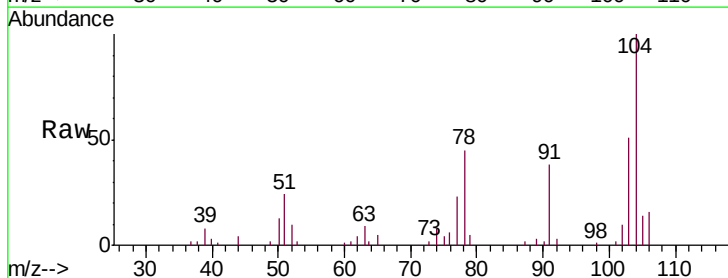


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

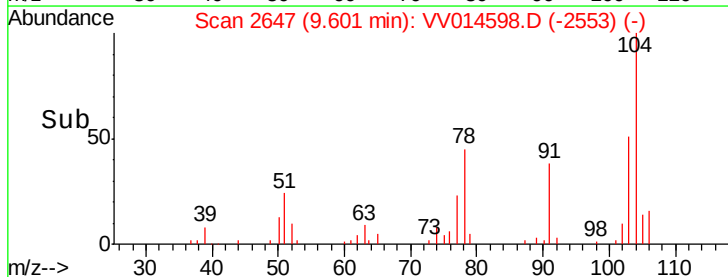
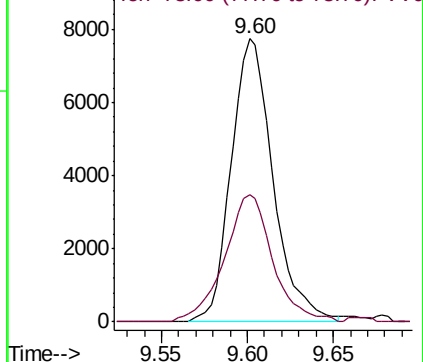


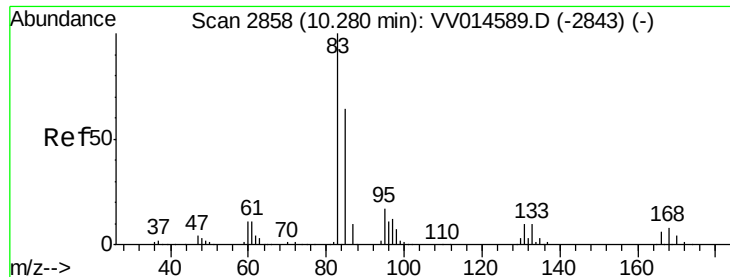
#55
Styrene
Concen: 2.345 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion:104 Resp: 13109
Ion Ratio Lower Upper
104 100
78 45.2 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

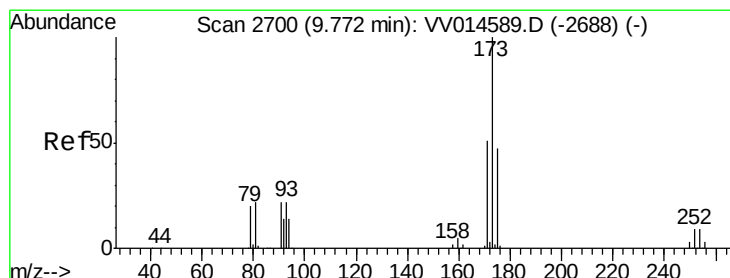
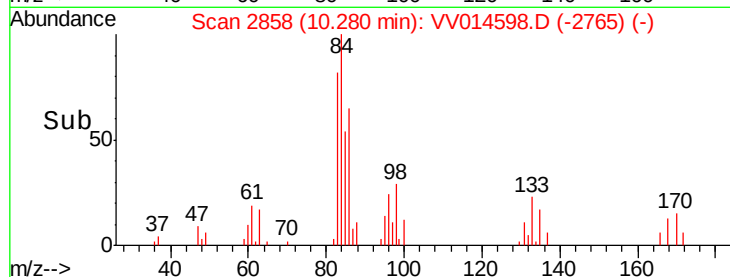
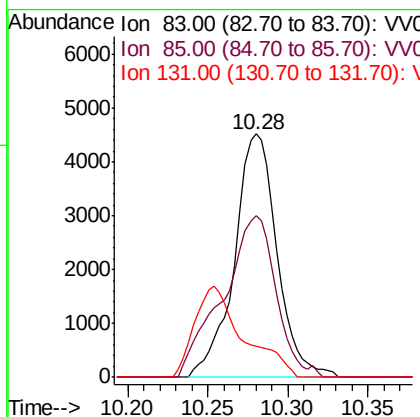
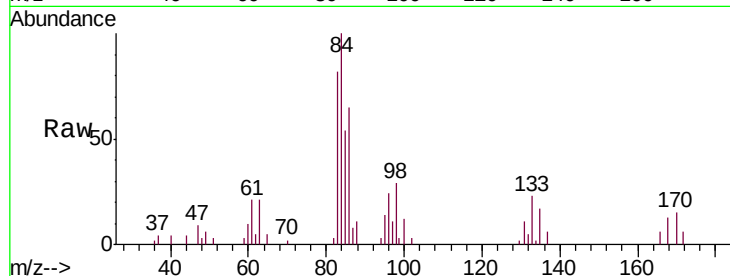




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.849 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

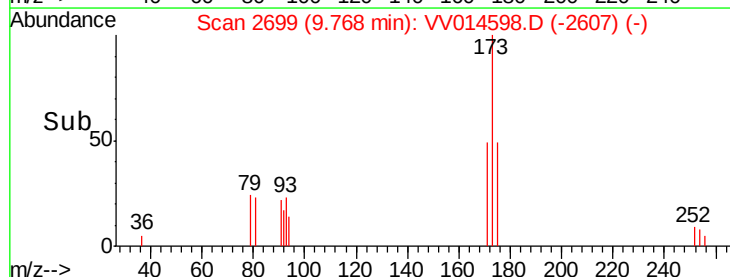
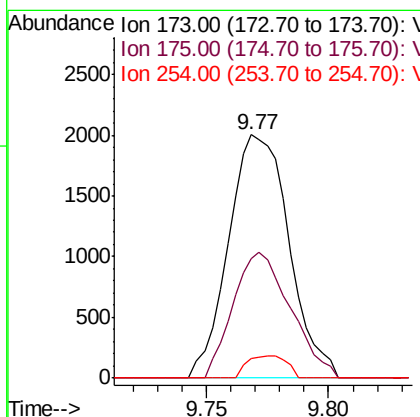
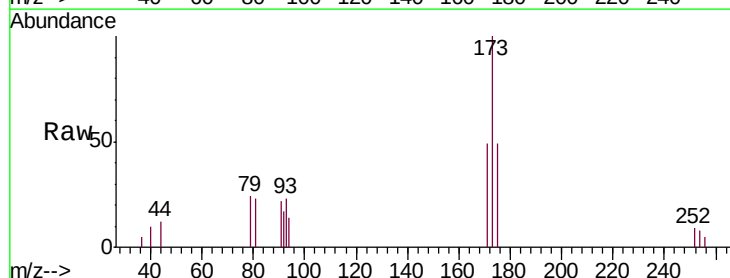
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

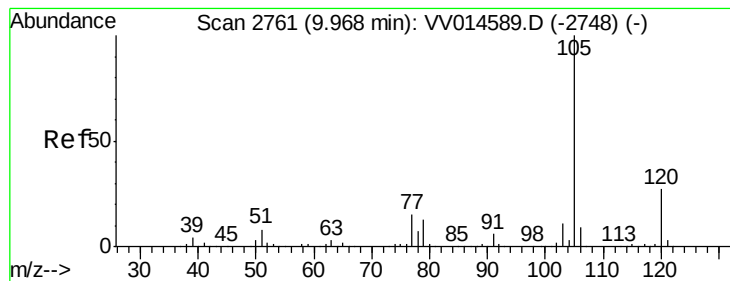
Tgt Ion: 83 Resp: 8234
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.9 83.3
 131 12.9 8.4 12.6#



#59
 Bromoform
 Concen: 2.343 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion: 173 Resp: 3448
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.5 57.7
 254 6.0 7.4 11.0#





#60

Isopropylbenzene

Concen: 2.472 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

Instrument :

MSVOA_V

ClientSampleId :

MDL07

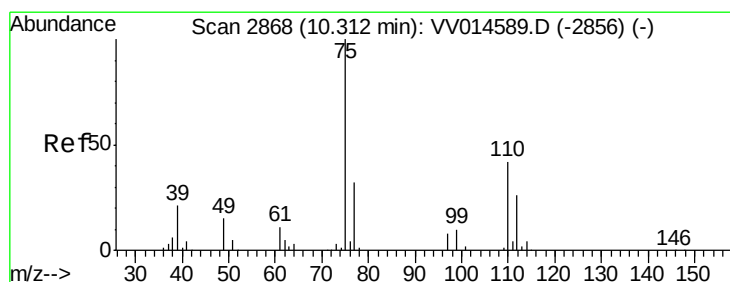
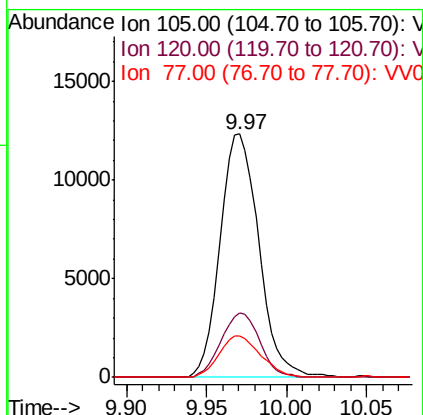
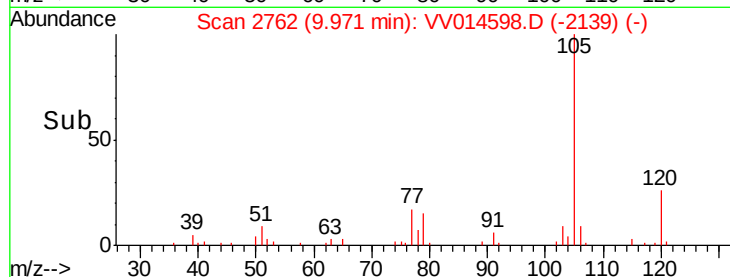
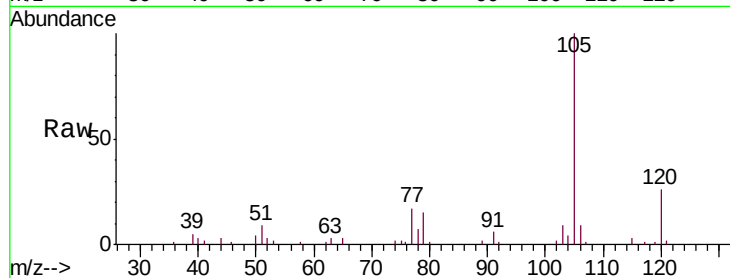
Tgt Ion:105 Resp: 20452

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.0

77 18.2 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 2.566 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014598.D

Acq: 17 Feb 2020 17:12

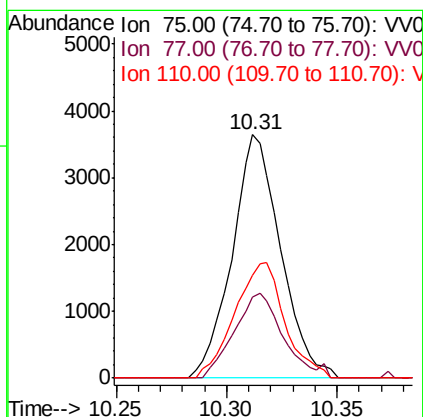
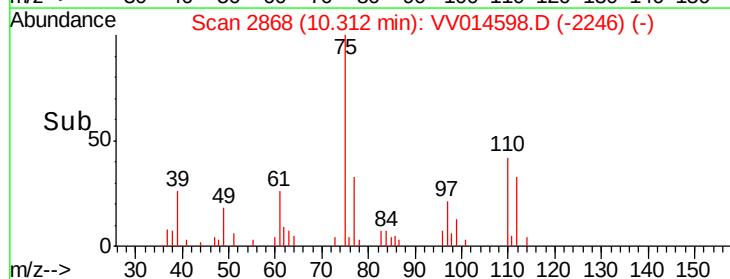
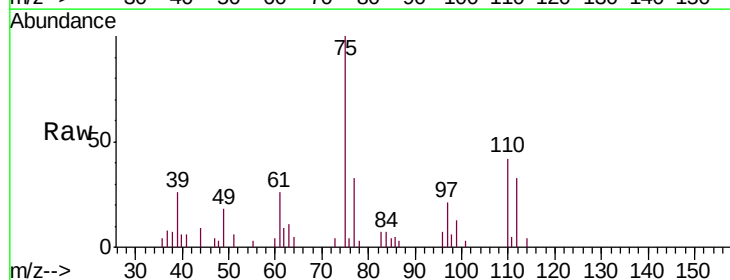
Tgt Ion: 75 Resp: 5574

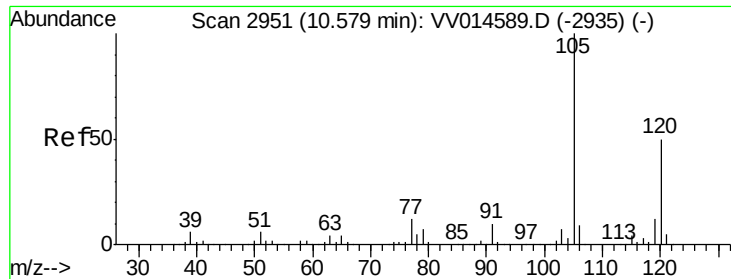
Ion Ratio Lower Upper

75 100

77 34.4 25.6 38.4

110 48.9 33.4 50.0

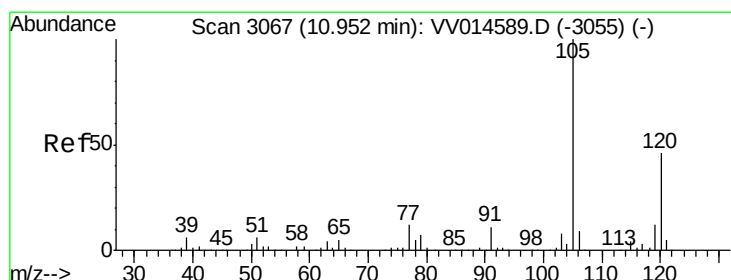
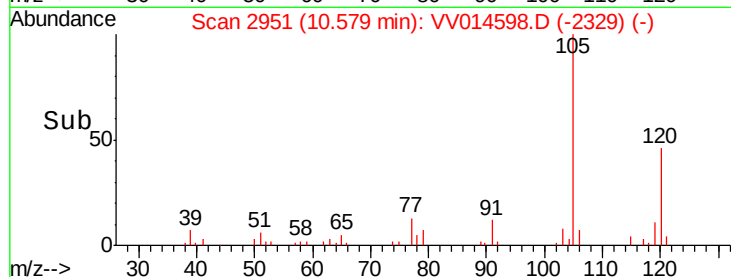
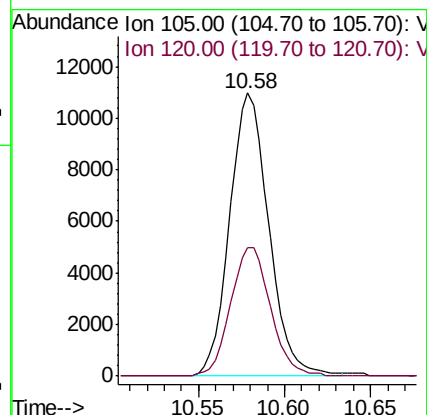
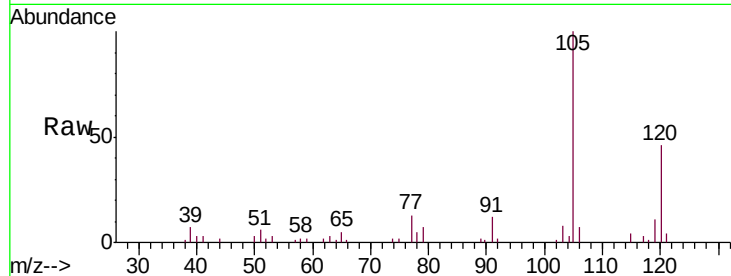




#62
 1,3,5-Trimethylbenzene
 Concen: 2.459 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

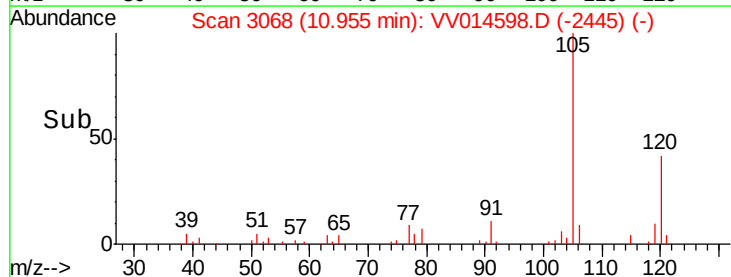
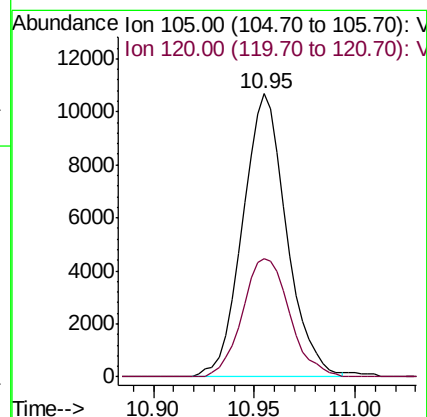
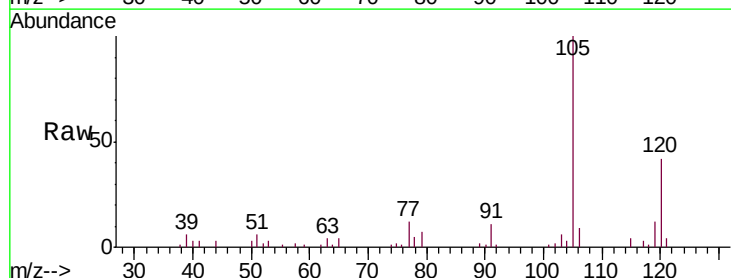
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

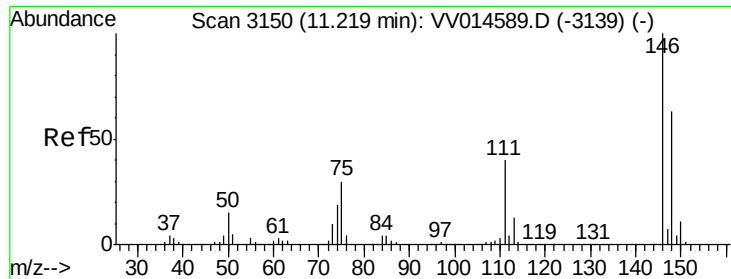
Tgt Ion:105 Resp: 17383
 Ion Ratio Lower Upper
 105 100
 120 46.3 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 2.360 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion:105 Resp: 16292
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.6 55.0

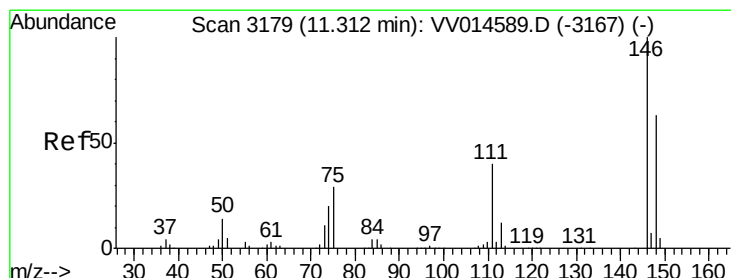
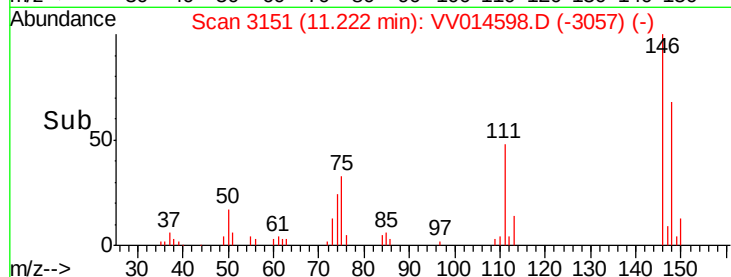
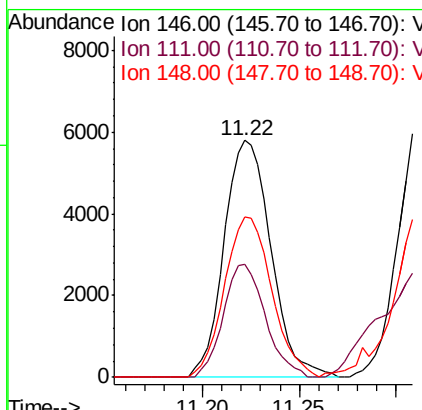
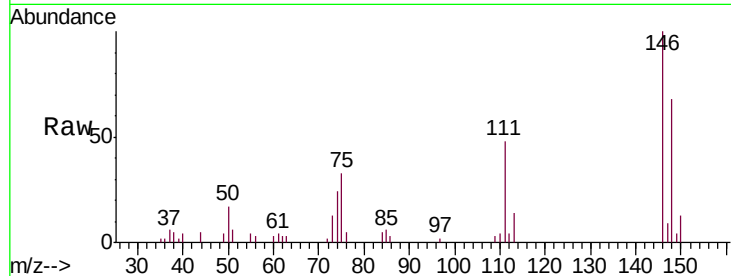




#64
 1,3-Dichlorobenzene
 Concen: 2.465 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

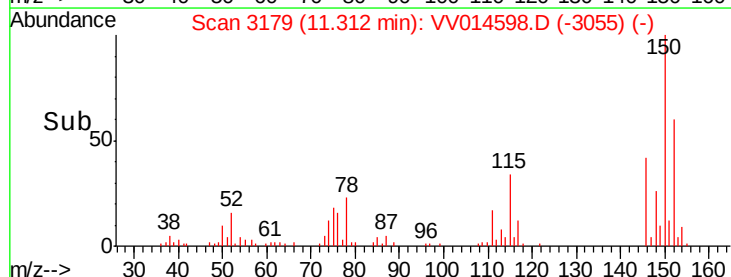
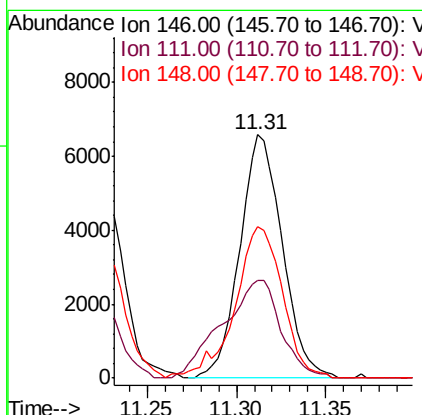
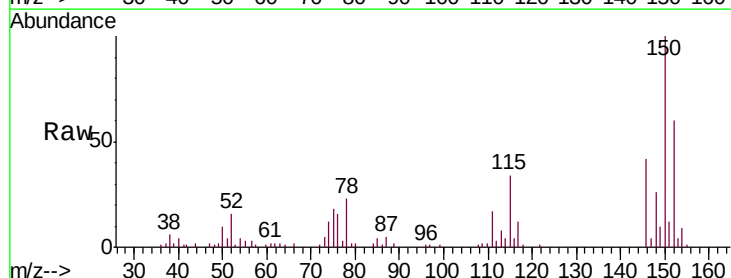
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

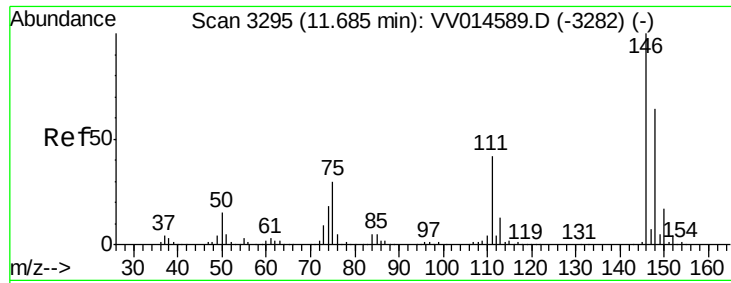
Tgt Ion:146 Resp: 9775
 Ion Ratio Lower Upper
 146 100
 111 47.5 28.3 52.5
 148 68.0 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 2.691 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion:146 Resp: 10931
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.9 51.9
 148 62.1 44.2 82.2

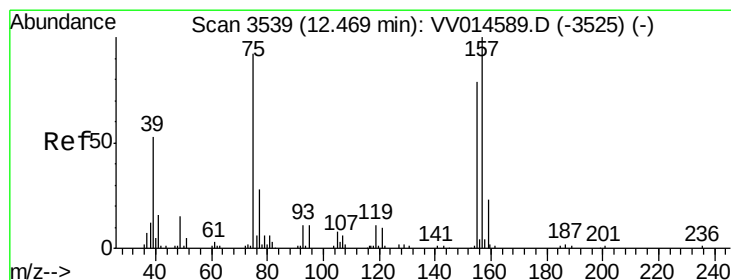
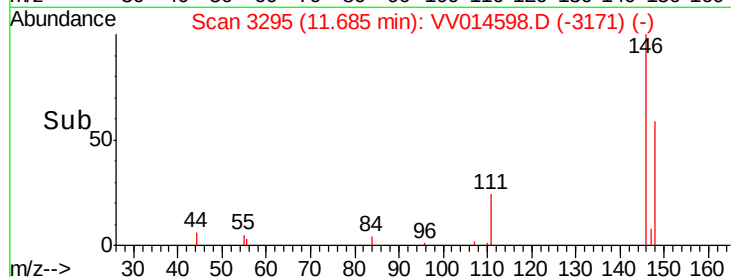
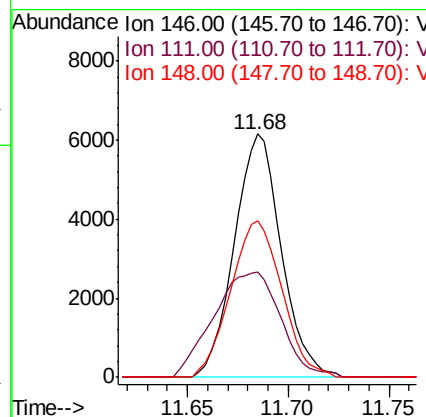
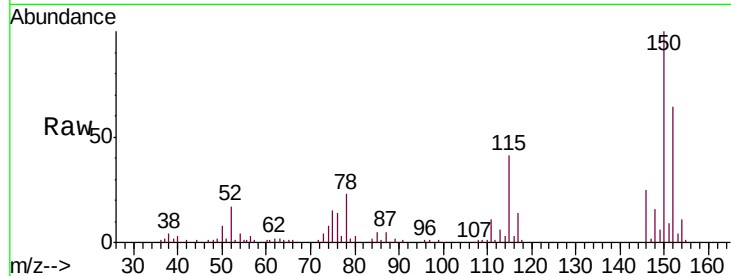




#67
 1,2-Dichlorobenzene
 Concen: 2.573 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

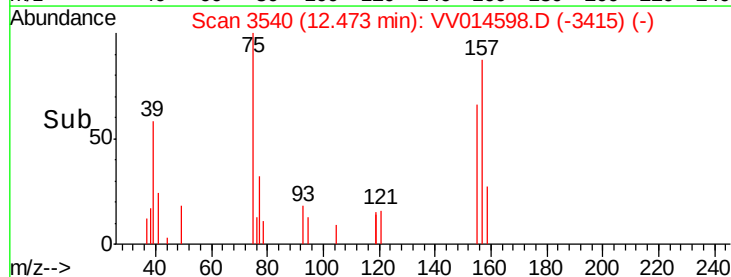
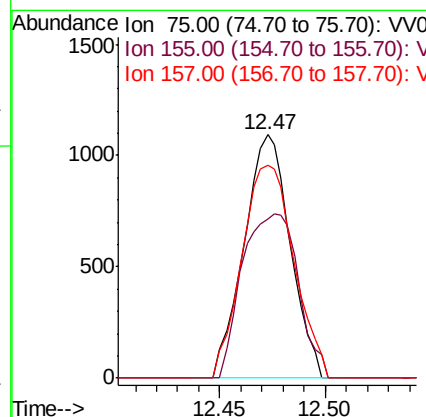
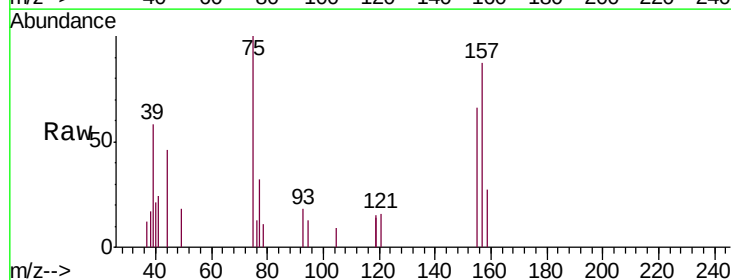
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

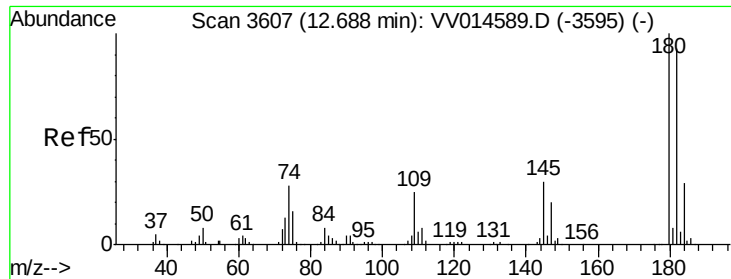
Tgt Ion: 146 Resp: 10040
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.1 51.1
 148 64.5 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.538 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion: 75 Resp: 1657
 Ion Ratio Lower Upper
 75 100
 155 65.6 69.4 104.0#
 157 87.3 87.4 131.0#

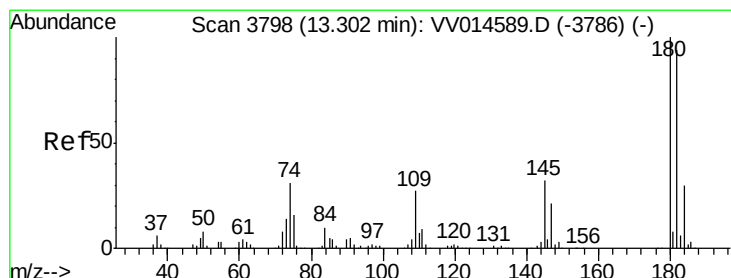
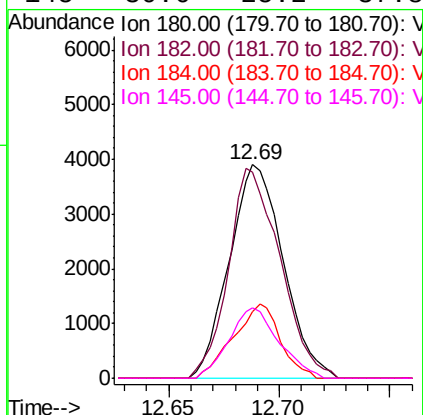
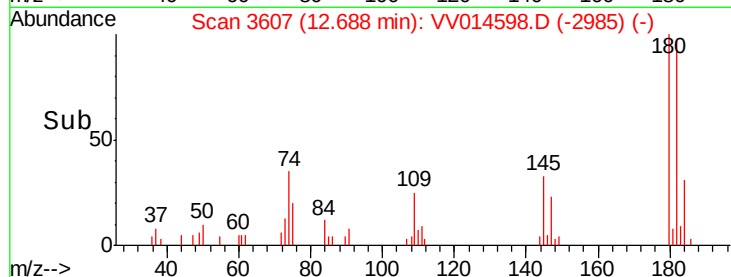
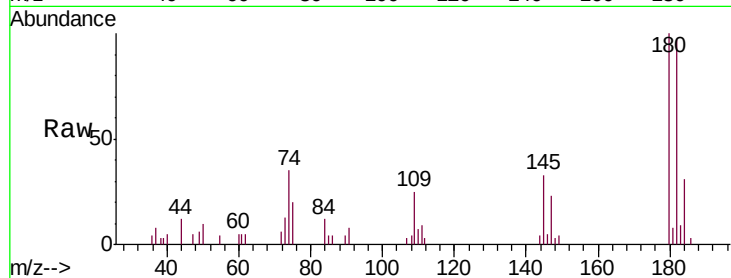




#69
 1,3,5-Trichlorobenzene
 Concen: 2.311 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

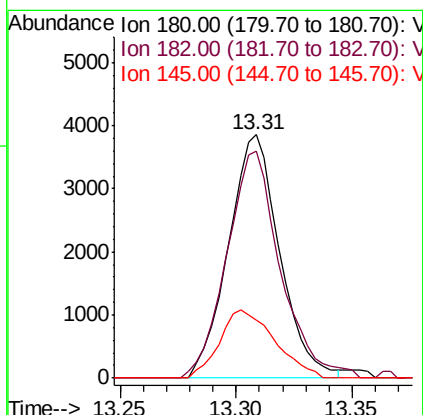
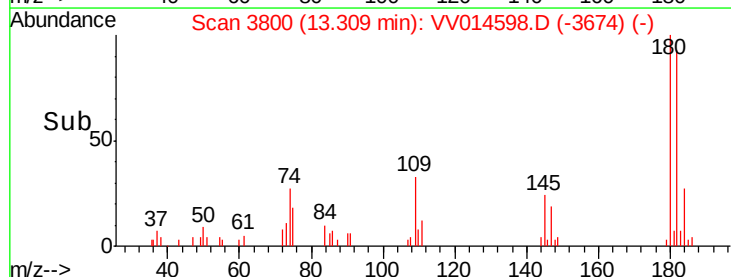
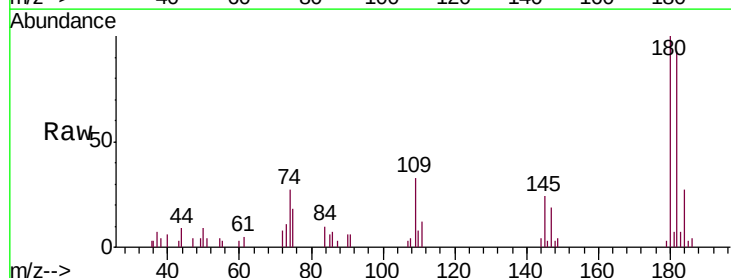
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

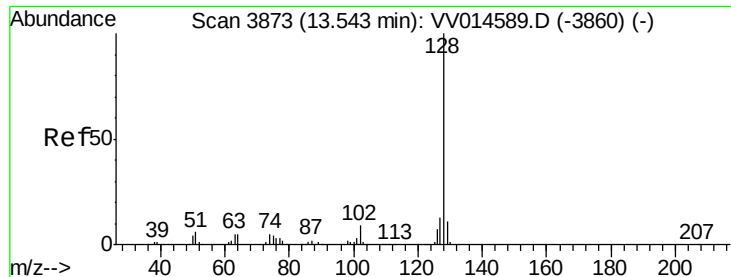
Tgt Ion:	180	Resp:	6622
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.6	113.4
184	30.1	23.4	35.2
145	30.6	25.2	37.8



#70
 1,2,4-trichlorobenzene
 Concen: 2.291 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV014598.D
 Acq: 17 Feb 2020 17:12

Tgt Ion:	180	Resp:	5933
Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.8	113.6
145	30.1	25.5	38.3

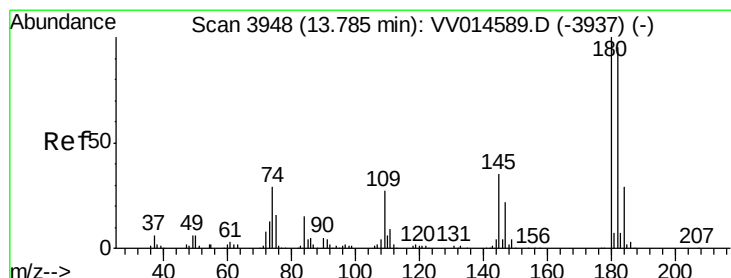
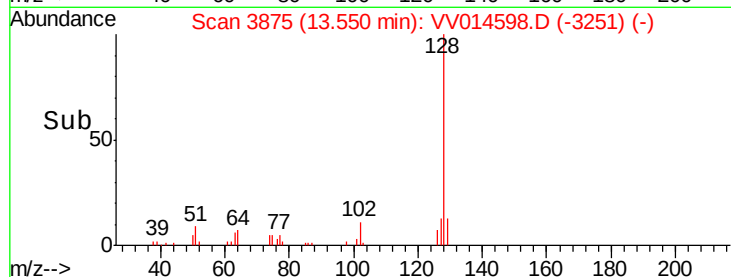
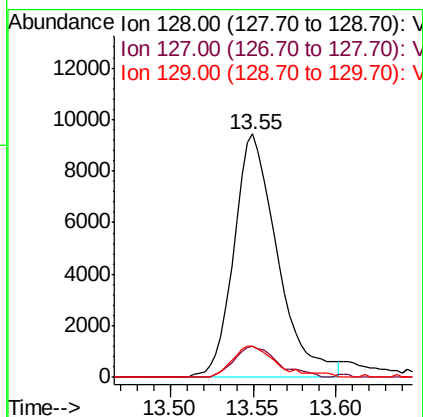
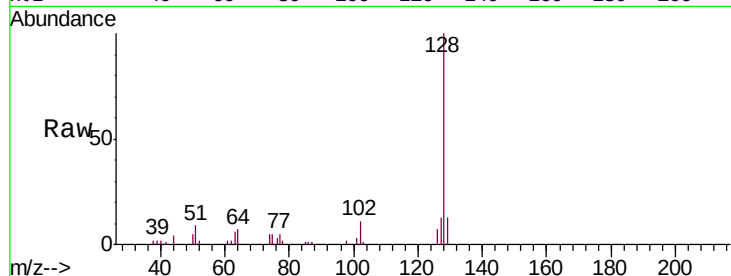




#71
Naphthalene
Concen: 2.176 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.01 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion:128 Resp: 17251
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 11.5 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.322 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.01 min
Lab File: VV014598.D
Acq: 17 Feb 2020 17:12

Tgt Ion:180 Resp: 5869
Ion Ratio Lower Upper
180 100
182 97.0 76.0 114.0
145 36.4 27.7 41.5

