

Data File : VV008403.D
Acq On : 24 Oct 2018 19:47
Operator : SY/MD
Sample : MDL05
Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Quant Time: Oct 25 09:21:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 09:16:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	194598	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44436	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.56	69	35479	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.22%
11) 1,1-Dichloroethene-d2	2.13	63	63751	32.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.52%
21) 2-Butanone-d5	3.93	46	116946	99.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.87%
24) Chloroform-d	4.41	84	118070	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.86%
26) 1,2-Dichloroethane-d4	5.09	65	83420	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
32) Benzene-d6	5.10	84	234090	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
36) 1,2-Dichloropropane-d6	6.12	67	81364	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.28%
41) Toluene-d8	7.36	98	208281	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.67	79	39051	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.14	63	87231	95.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	115082	48.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.42%
64) 1,2-Dichlorobenzene-d4	11.68	152	71519	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3745	2.695 ug/L	98
3) Chloromethane	1.25	50	4312	2.897 ug/L	99
5) Vinyl chloride	1.33	62	3858	2.797 ug/L #	75
6) Bromomethane	1.52	94	1133	2.994 ug/L	92
8) Chloroethane	1.59	64	2614	3.608 ug/L	93
9) Trichlorofluoromethane	1.76	101	4934	2.780 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3012	3.248 ug/L	93
12) 1,1-Dichloroethene	2.14	96	3065	3.510 ug/L #	1
13) Acetone	2.19	43	5122	5.636 ug/L	95
14) Carbon disulfide	2.32	76	11142	2.833 ug/L	99
15) Methyl Acetate	2.46	43	5759	3.178 ug/L	96
16) Methylene chloride	2.54	84	4312	2.851 ug/L	96
17) trans-1,2-Dichloroethene	2.80	96	3772	2.834 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	13824	2.902 ug/L	99
19) 1,1-Dichloroethane	3.23	63	7535	2.745 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	4212	2.778 ug/L	93
22) 2-Butanone	4.03	43	6382	4.861 ug/L	94

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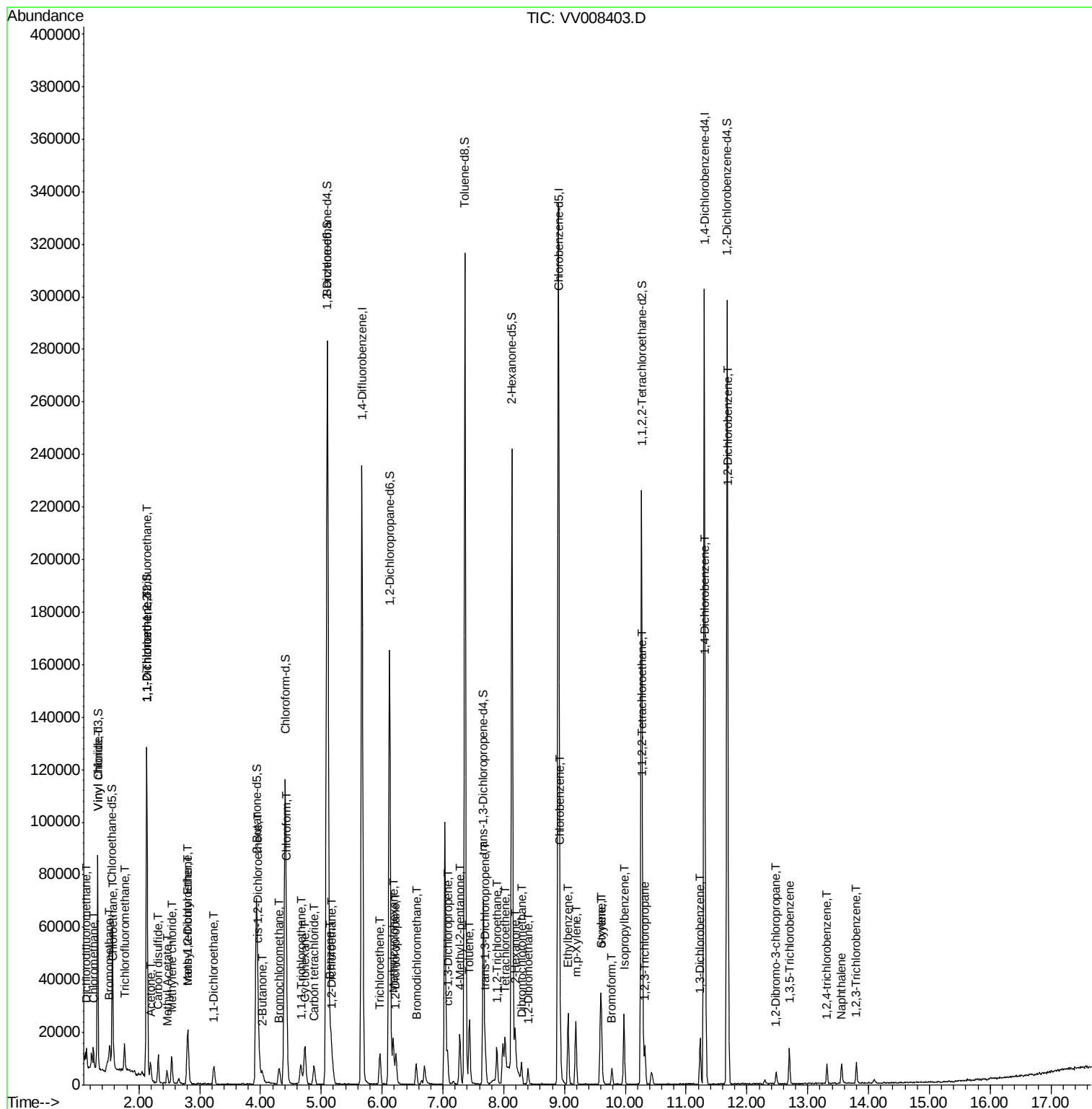
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1226	1.714	ug/L	96
25) Chloroform	4.43	83	8235	3.073	ug/L	91
27) 1,2-Dichloroethane	5.19	62	6820	3.047	ug/L #	94
29) Cyclohexane	4.73	56	7239	2.819	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	6550	2.864	ug/L	95
31) Carbon tetrachloride	4.88	117	5062	2.608	ug/L	97
33) Benzene	5.15	78	17100	2.966	ug/L	100
34) Trichloroethene	5.96	95	4222	2.860	ug/L	97
35) Methylcyclohexane	6.18	83	6850	2.730	ug/L	96
37) 1,2-Dichloropropane	6.23	63	4839	3.039	ug/L #	89
38) Bromodichloromethane	6.56	83	5295	2.610	ug/L	92
39) cis-1,3-Dichloropropene	7.08	75	7352	2.937	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	13353	5.663	ug/L	99
42) Toluene	7.44	91	17393	2.904	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	6975	2.978	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3963	2.815	ug/L	98
46) Tetrachloroethene	8.02	164	2700	2.806	ug/L	95
48) 2-Hexanone	8.19	43	10353	5.690	ug/L	97
49) Dibromochloromethane	8.29	129	3838	2.537	ug/L	91
50) 1,2-Dibromoethane	8.40	107	4021	2.723	ug/L #	93
51) Chlorobenzene	8.93	112	10657	2.890	ug/L	97
52) Ethylbenzene	9.06	91	18966	2.827	ug/L	100
53) m,p-Xylene	9.19	106	6744	2.752	ug/L	91
54) o-xylene	9.59	106	6982	2.853	ug/L	96
55) Styrene	9.61	104	11212	2.719	ug/L	99
56) Isopropylbenzene	9.98	105	17315	2.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7440	3.018	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	5640	2.826	ug/L	96
61) Bromoform	9.78	173	2684	2.884	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	6858	2.812	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6808	2.785	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	7283	2.929	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1422	2.781	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.70	180	4038	2.536	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2364	1.835	ug/L	96
69) Naphthalene	13.56	128	6505	1.561	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	2583	2.006	ug/L	93

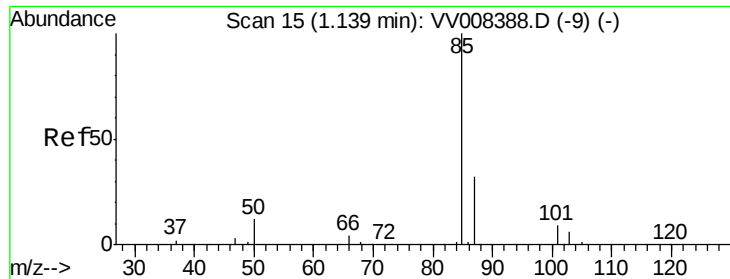
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.695 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

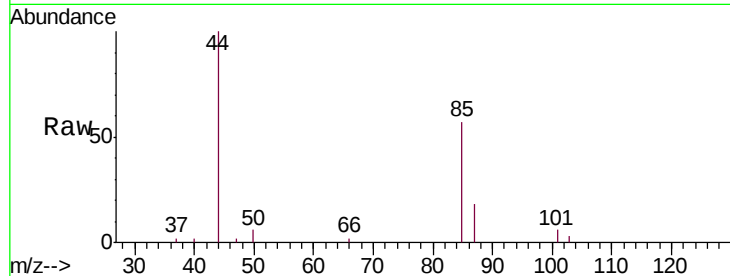
MDL05

Tgt Ion: 85 Resp: 3745

Ion Ratio Lower Upper

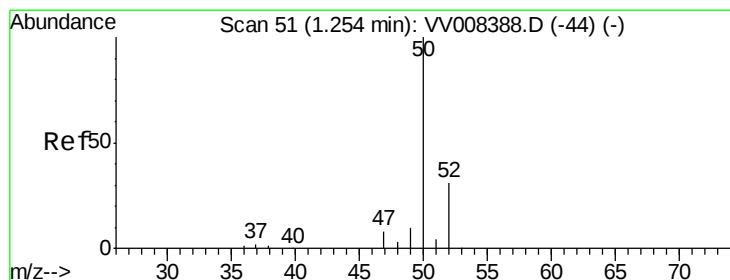
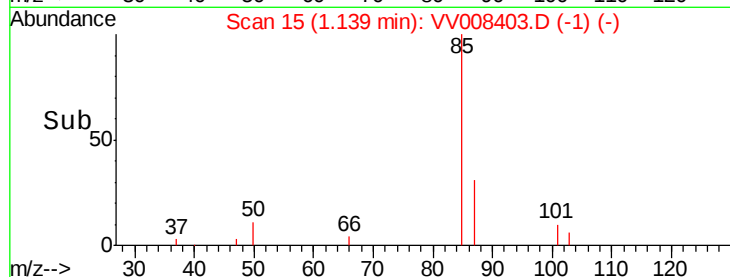
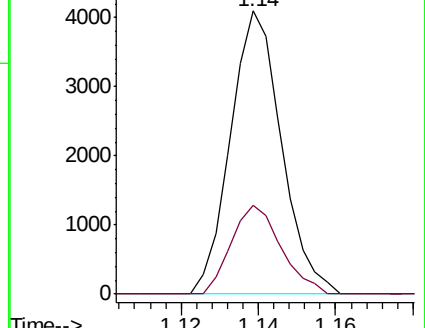
85 100

87 30.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008388.D (-9) (-)



#3

Chloromethane

Concen: 2.897 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008403.D

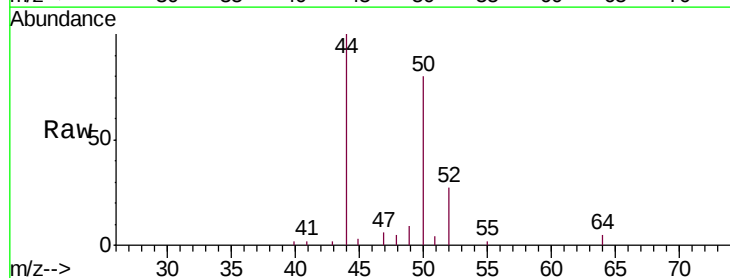
Acq: 24 Oct 2018 19:47

Tgt Ion: 50 Resp: 4312

Ion Ratio Lower Upper

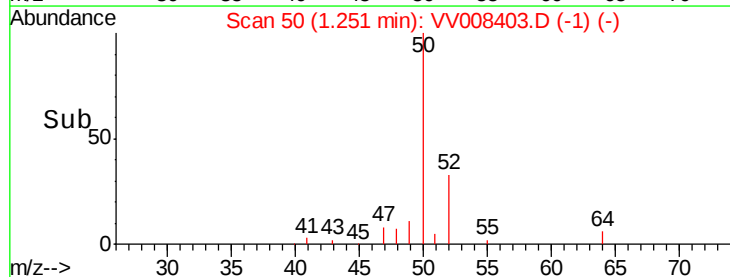
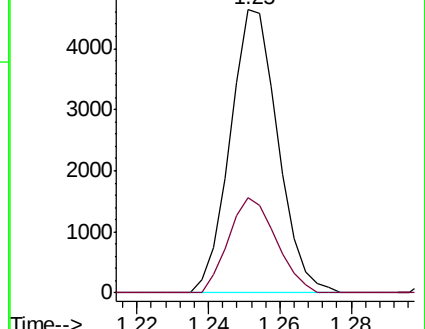
50 100

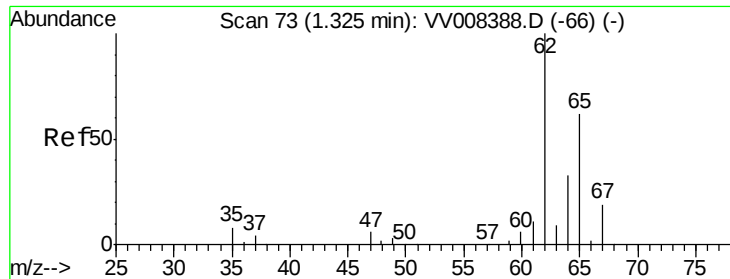
52 33.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV008388.D (-44) (-)





#5

Vinyl chloride

Concen: 2.797 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

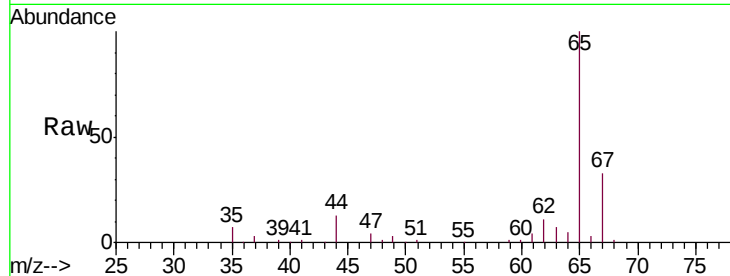
MDL05

Tgt Ion: 62 Resp: 3858

Ion Ratio Lower Upper

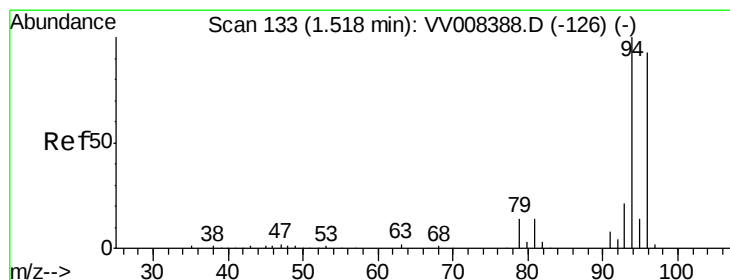
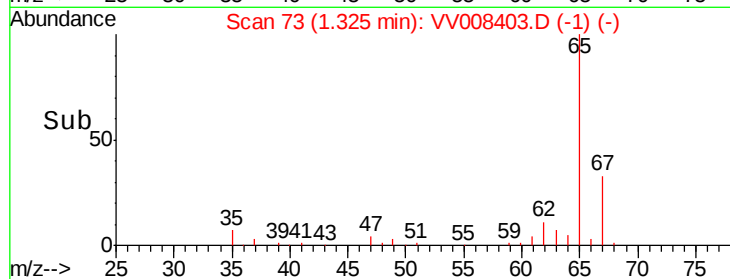
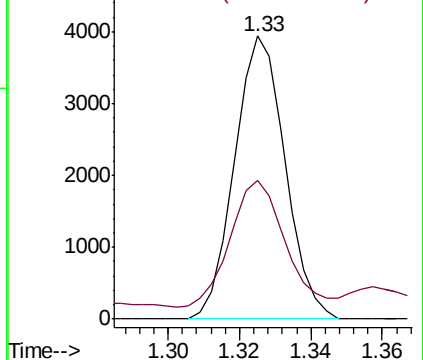
62 100

64 49.2 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.994 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008403.D

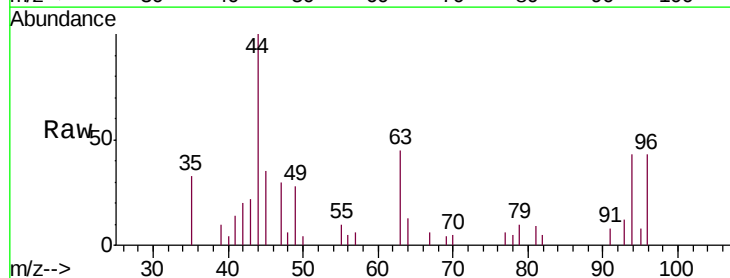
Acq: 24 Oct 2018 19:47

Tgt Ion: 94 Resp: 1133

Ion Ratio Lower Upper

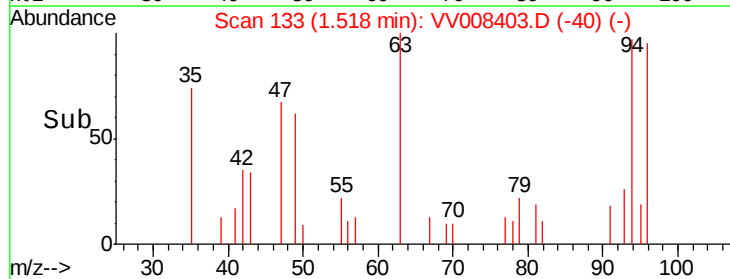
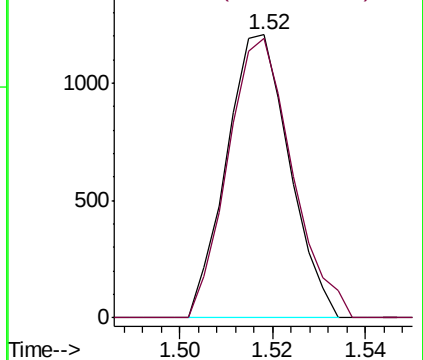
94 100

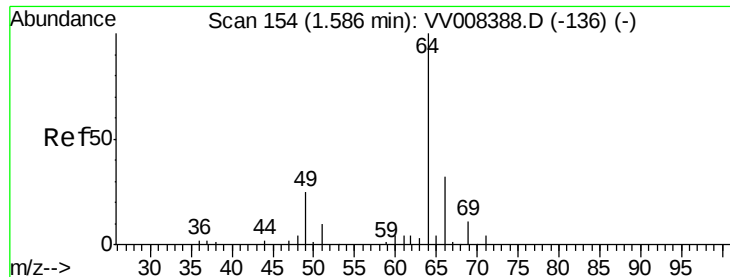
96 98.6 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

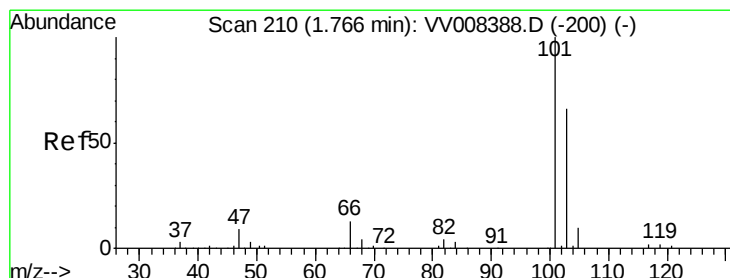
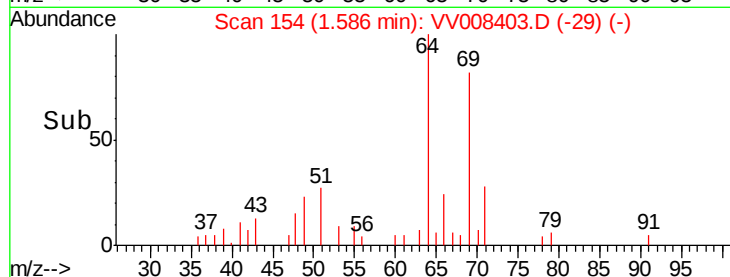
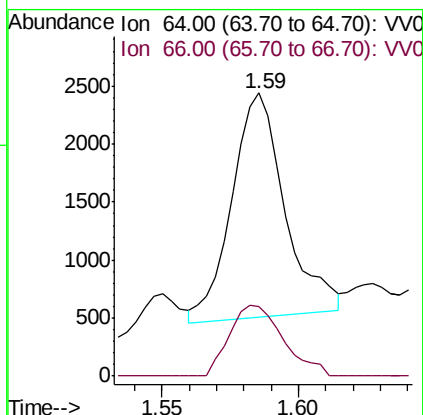
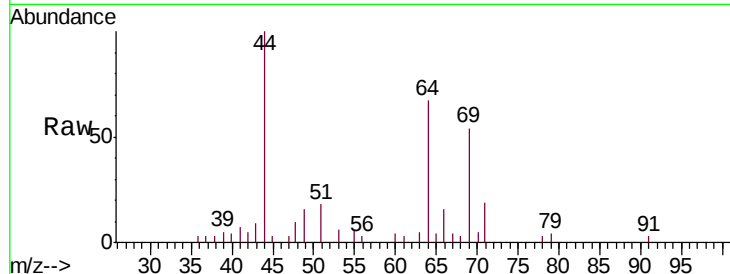




#8
 Chloroethane
 Concen: 3.608 ug/L
 RT: 1.59 min Scan# 154
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

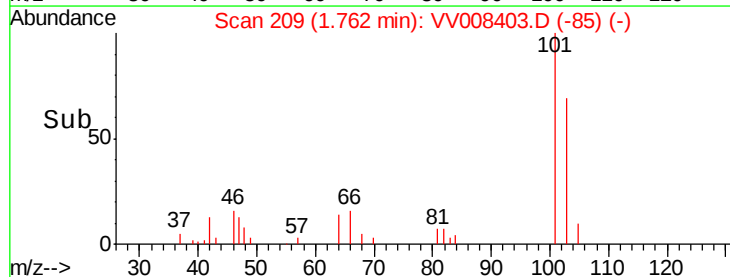
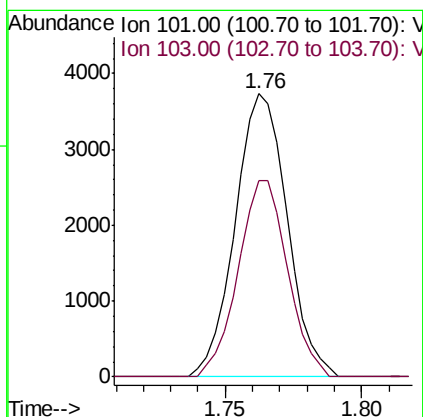
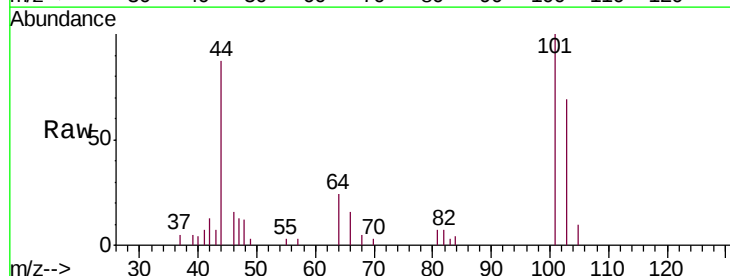
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

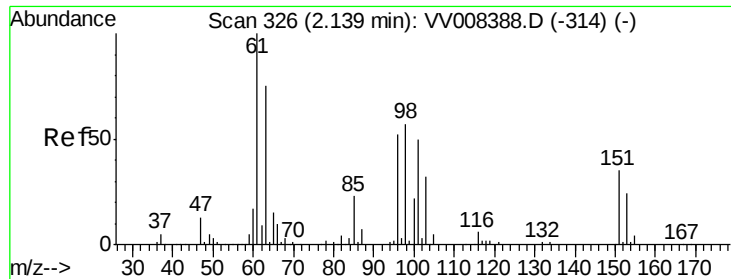
Tgt Ion: 64 Resp: 2614
 Ion Ratio Lower Upper
 64 100
 66 24.4 19.9 36.9



#9
 Trichlorofluoromethane
 Concen: 2.780 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 101 Resp: 4934
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.0 76.6





#10

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

Concen: 3.248 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

MDL05

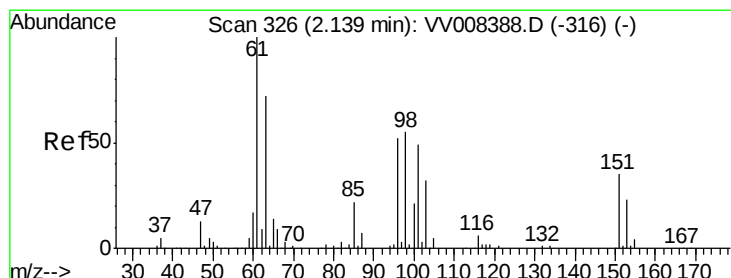
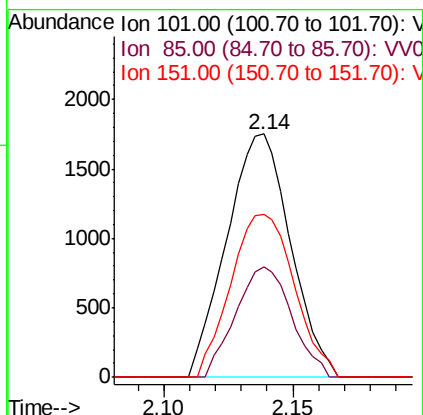
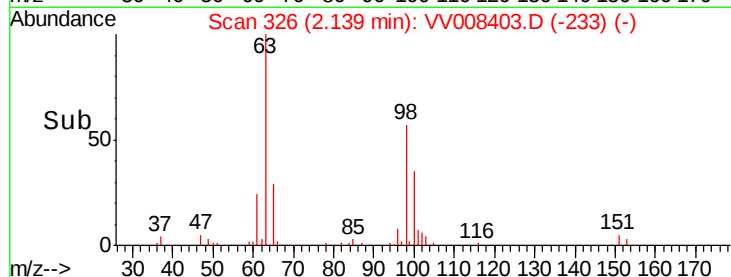
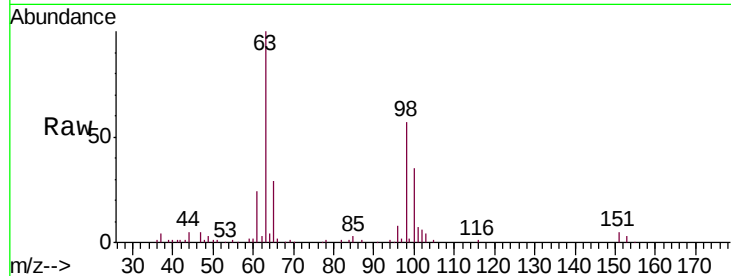
Tgt Ion:101 Resp: 3012

Ion Ratio Lower Upper

101 100

85 39.9 35.6 53.4

151 66.7 58.1 87.1



#12

1,1-Dichloroethene

Concen: 3.510 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

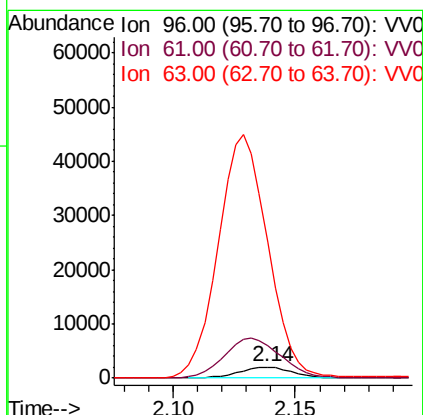
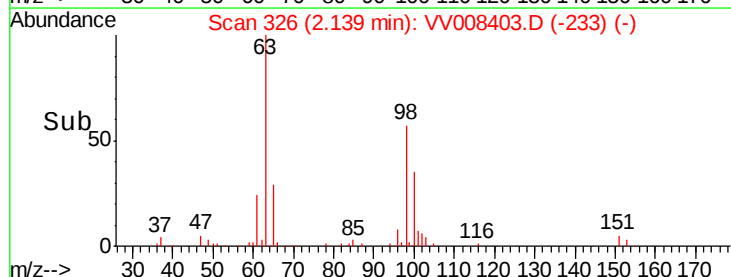
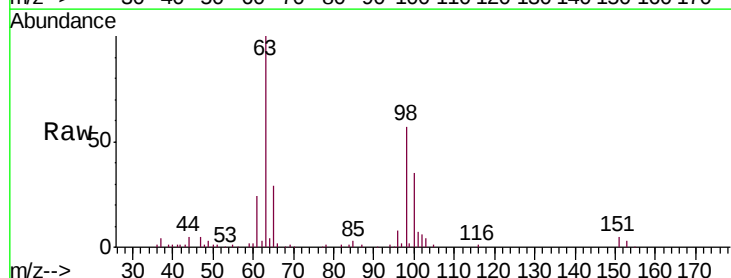
Tgt Ion: 96 Resp: 3065

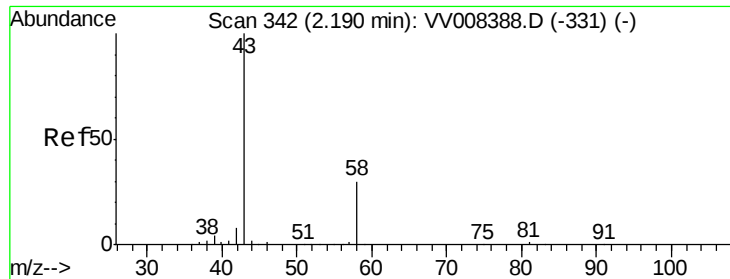
Ion Ratio Lower Upper

96 100

61 297.9 130.3 242.1#

63 1262.7 84.4 156.8#





#13

Acetone

Concen: 5.636 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

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Acq: 24 Oct 2018 19:47

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ClientSampleId :

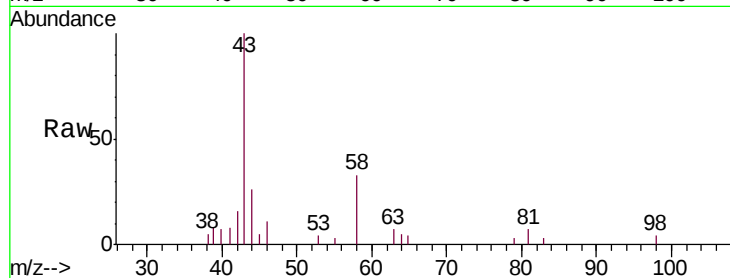
MDL05

Tgt Ion: 43 Resp: 5122

Ion Ratio Lower Upper

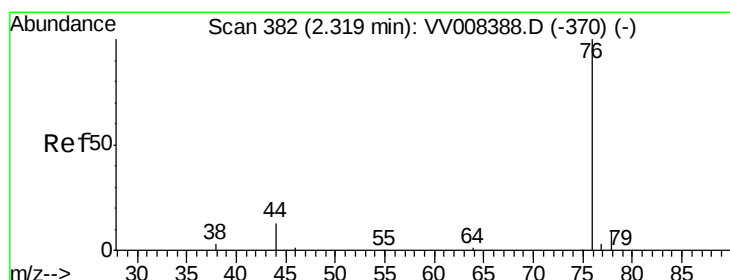
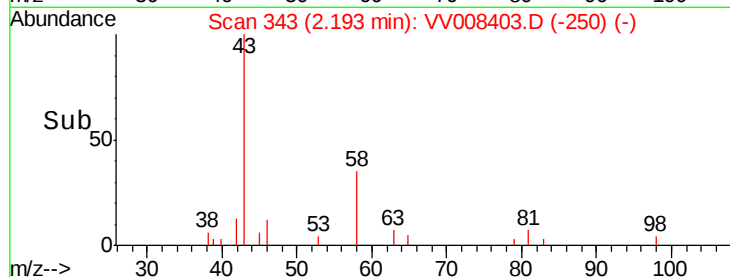
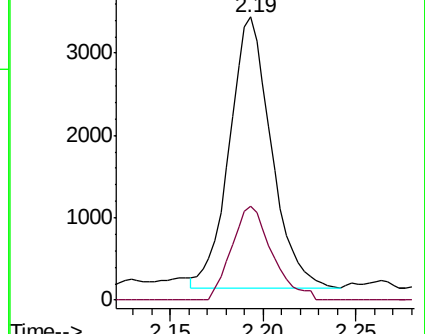
43 100

58 33.2 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008388.D (-331) (-)



#14

Carbon disulfide

Concen: 2.833 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008403.D

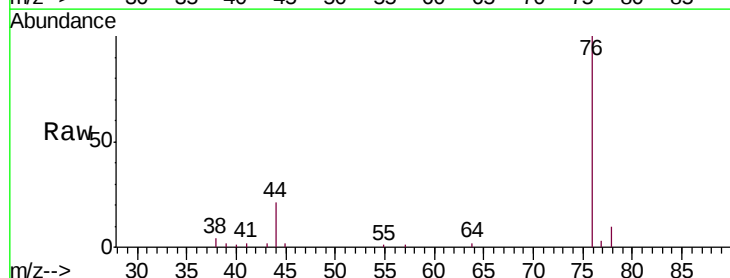
Acq: 24 Oct 2018 19:47

Tgt Ion: 76 Resp: 11142

Ion Ratio Lower Upper

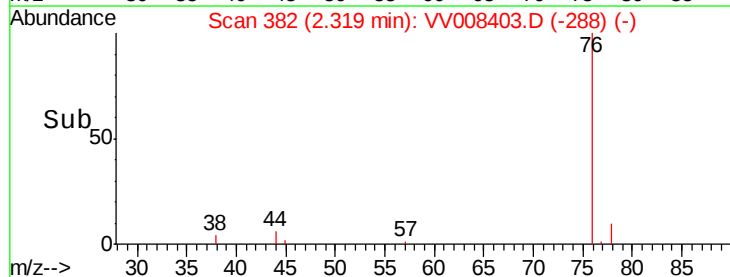
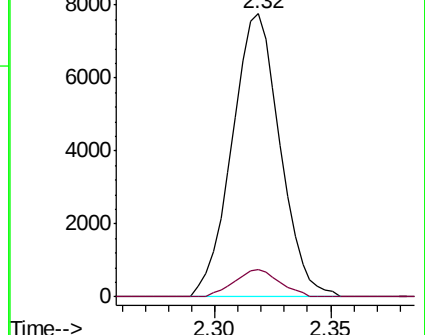
76 100

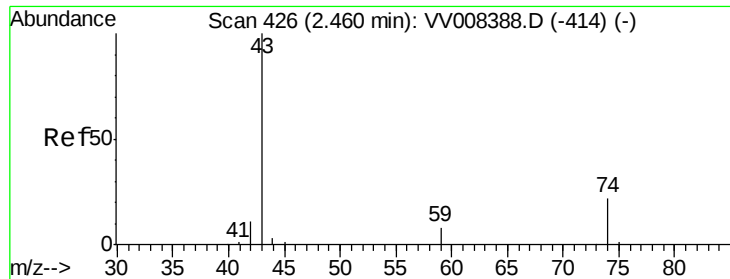
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008388.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008388.D (-370) (-)

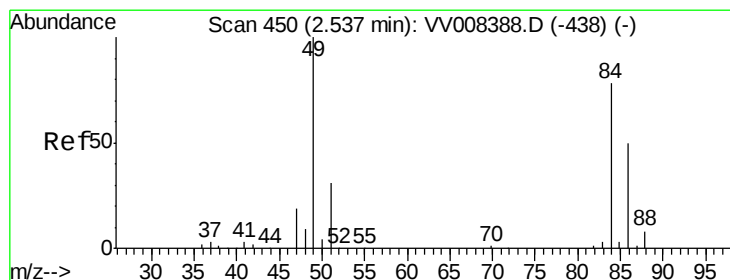
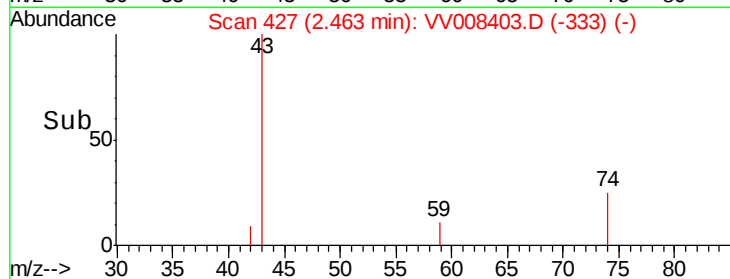
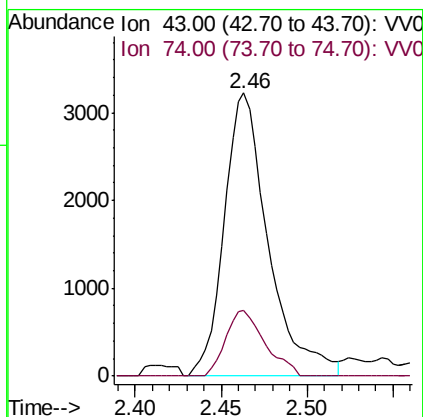
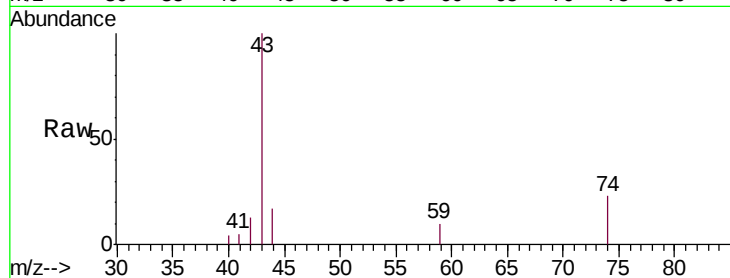




#15
Methyl Acetate
Concen: 3.178 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

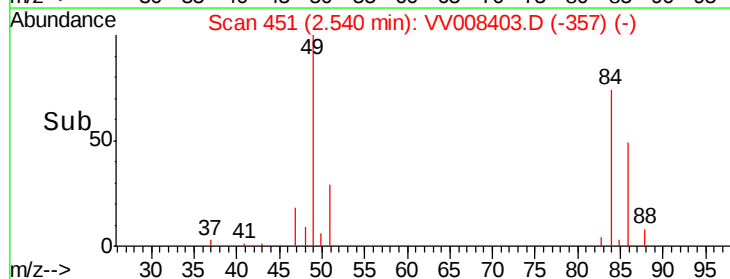
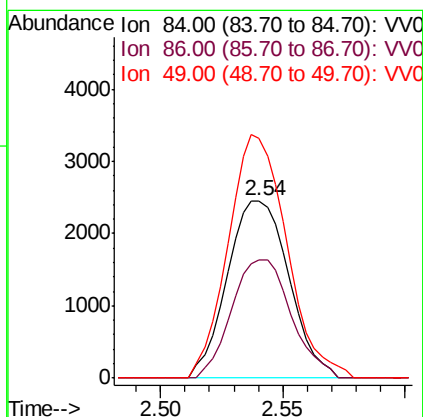
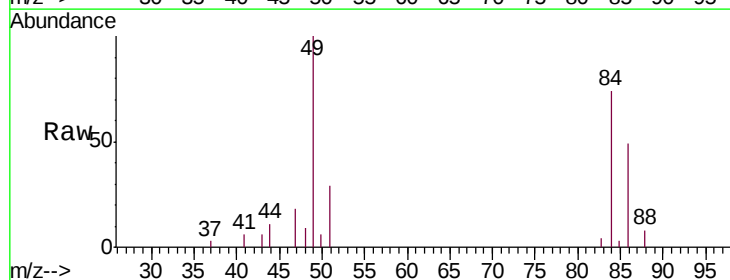
Instrument :
MSVOA_V
ClientSampled :
MDL05

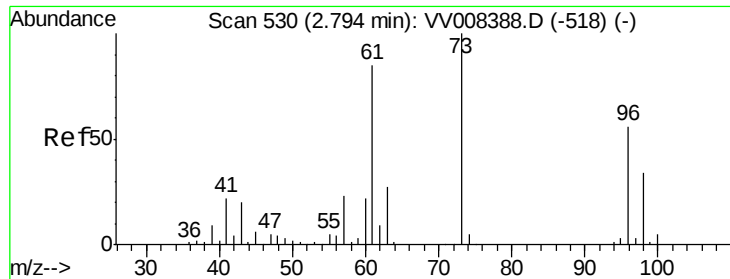
Tgt Ion: 43 Resp: 5759
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.6



#16
Methylene chloride
Concen: 2.851 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 84 Resp: 4312
Ion Ratio Lower Upper
84 100
86 66.4 45.6 84.6
49 135.1 90.6 168.3

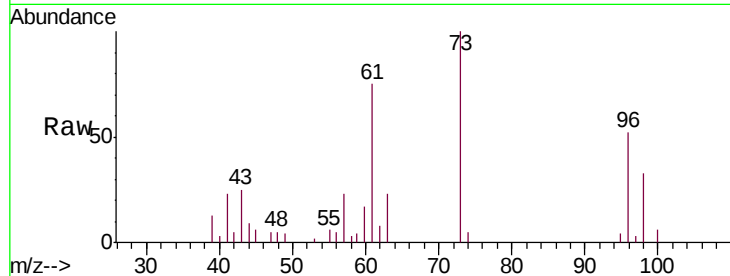




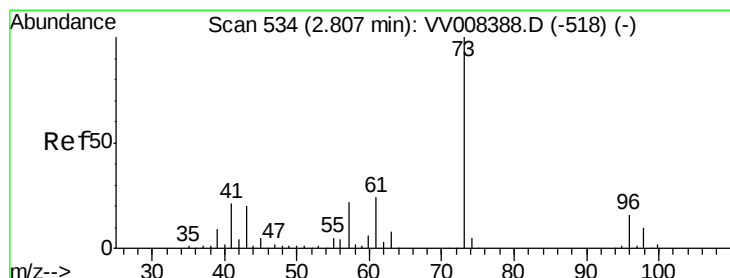
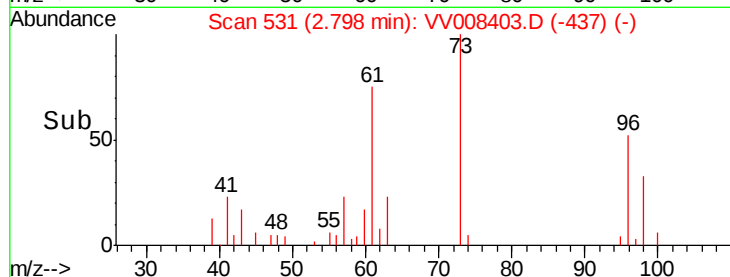
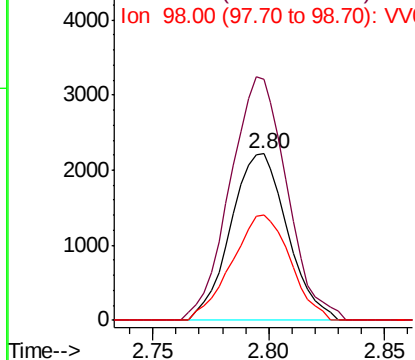
#17
 trans-1,2-Dichloroethene
 Concen: 2.834 ug/L
 RT: 2.80 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion: 96 Resp: 3772
 Ion Ratio Lower Upper
 96 100
 61 145.2 108.6 201.6
 98 63.7 44.3 82.3

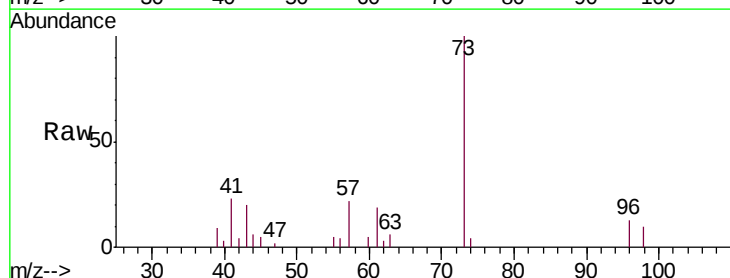


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

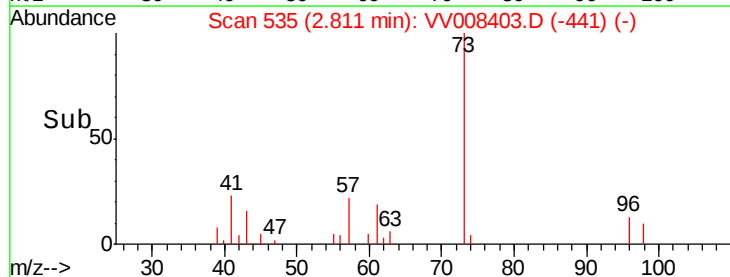
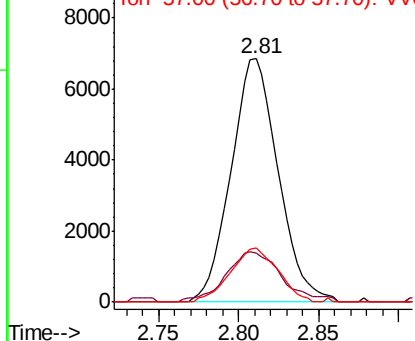


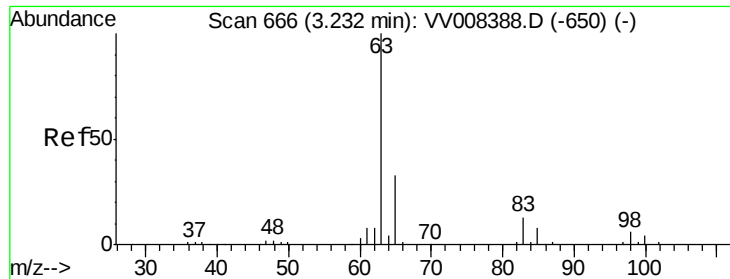
#18
 Methyl tert-butyl Ether
 Concen: 2.902 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 73 Resp: 13824
 Ion Ratio Lower Upper
 73 100
 43 20.0 16.2 24.4
 57 22.5 18.2 27.2



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

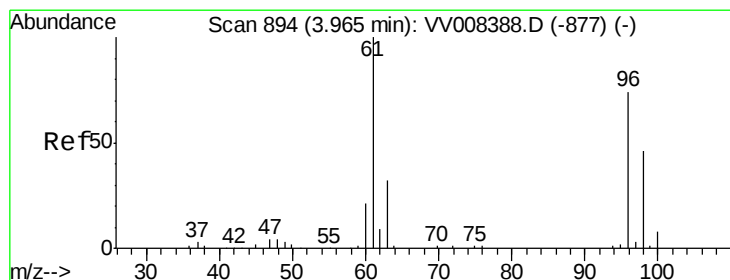
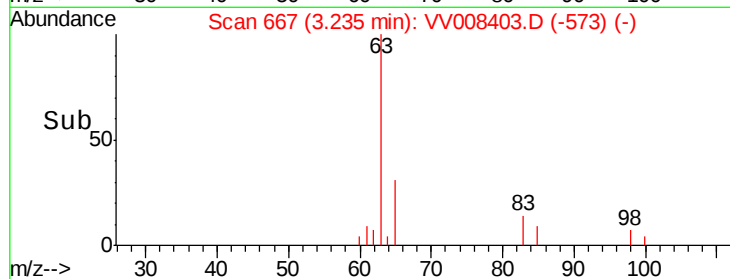
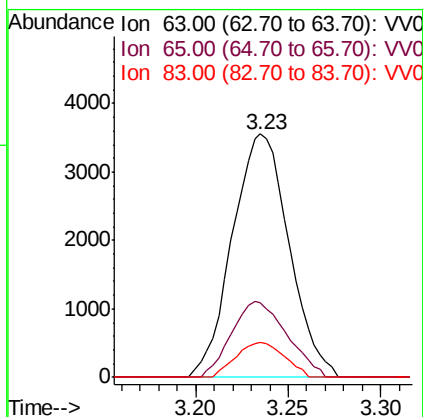
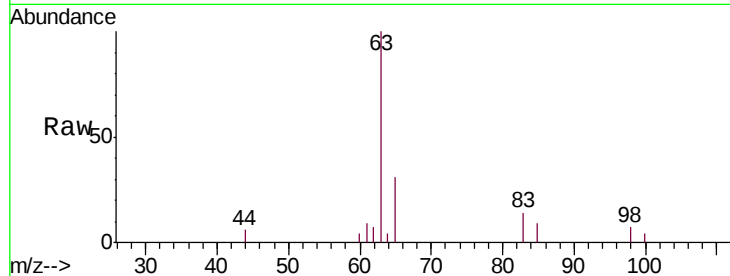




#19
 1,1-Dichloroethane
 Concen: 2.745 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

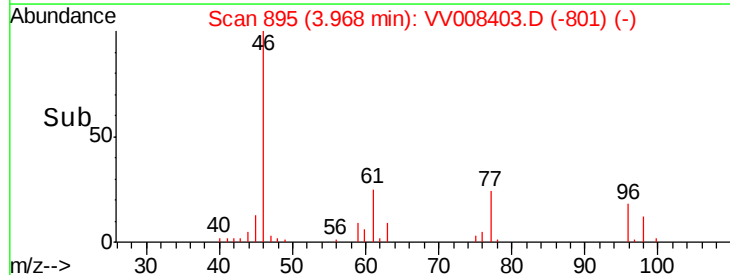
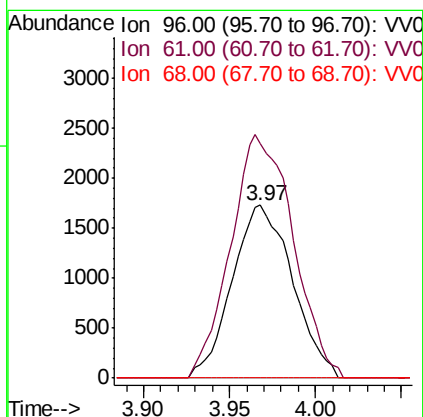
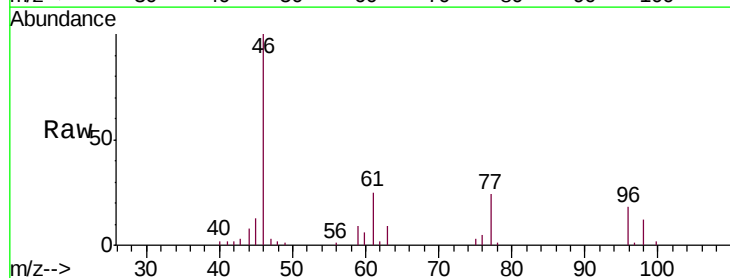
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

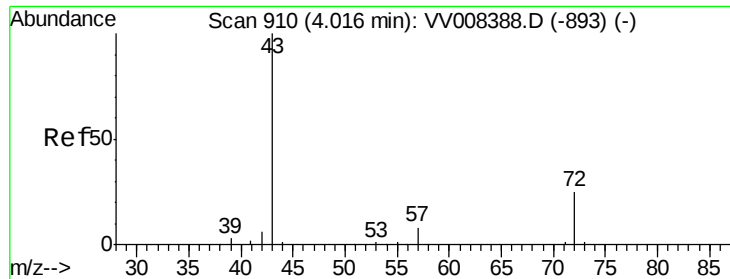
Tgt Ion: 63 Resp: 7535
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 40.8
 83 14.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 2.778 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 96 Resp: 4212
 Ion Ratio Lower Upper
 96 100
 61 135.9 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.861 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampled :

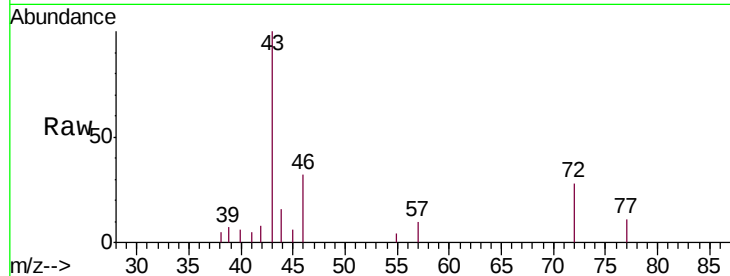
MDL05

Tgt Ion: 43 Resp: 6382

Ion Ratio Lower Upper

43 100

72 28.7 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008388.D (-893) (-)

4.03

2500

2000

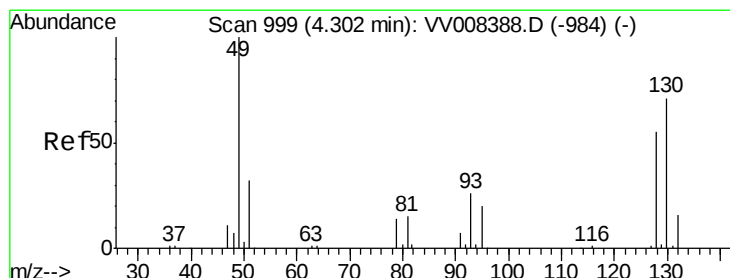
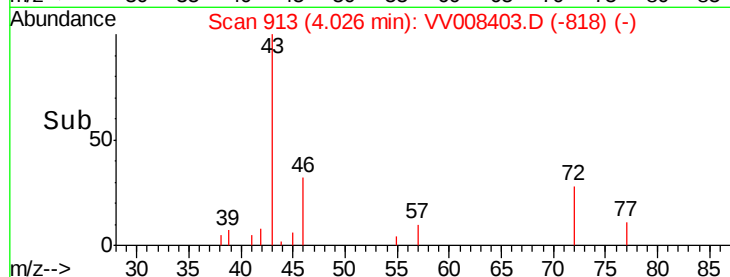
1500

1000

500

0

Time-->



#23

Bromochloromethane

Concen: 1.714 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Tgt Ion: 128 Resp: 1226

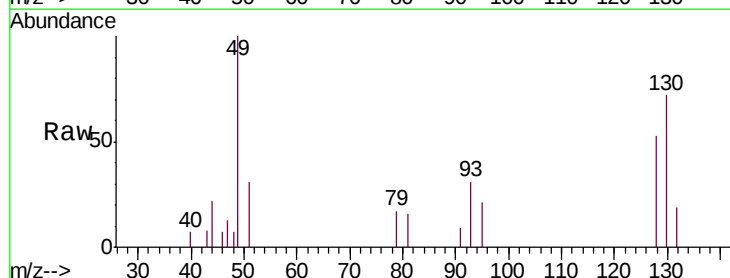
Ion Ratio Lower Upper

128 100

49 187.3 128.0 237.8

130 135.7 89.2 165.8

51 58.3 46.8 70.2



Abundance Ion 128.00 (127.70 to 128.70): VV008388.D (-984) (-)

Ion 49.00 (48.70 to 49.70): VV008388.D (-984) (-)

Ion 130.00 (129.70 to 130.70): VV008388.D (-984) (-)

Ion 51.00 (50.70 to 51.70): VV008388.D (-984) (-)

2000

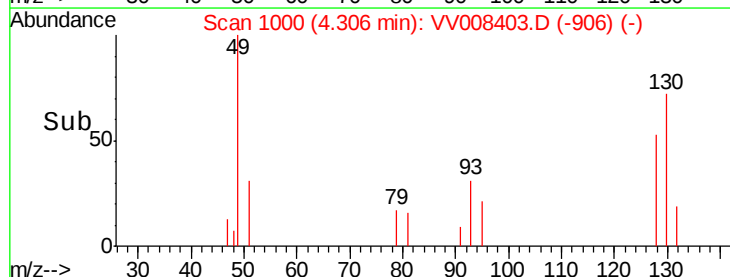
1500

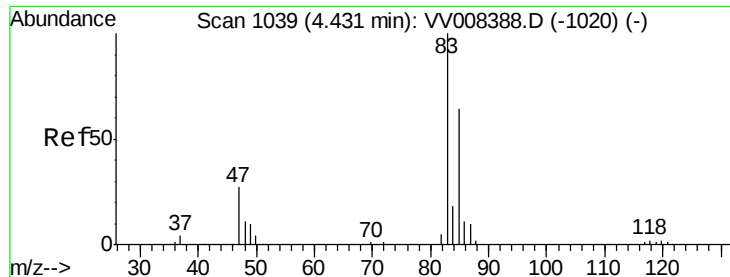
1000

500

0

Time-->

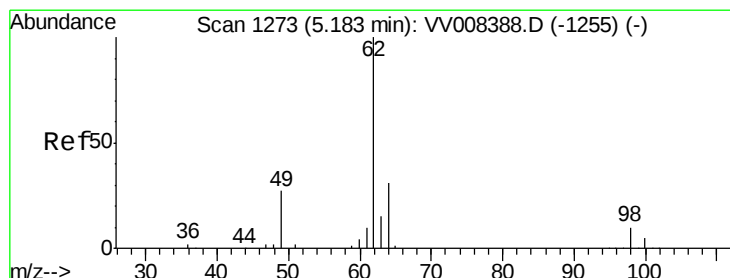
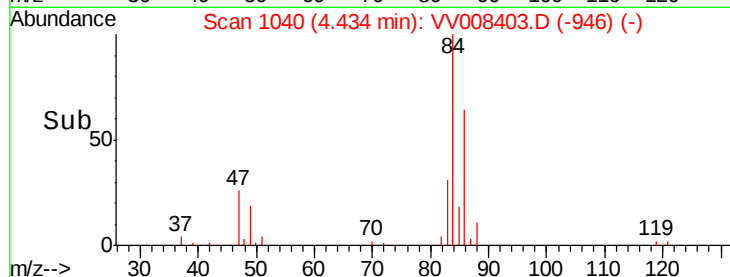
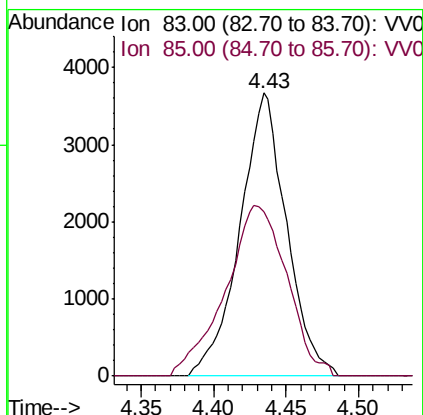
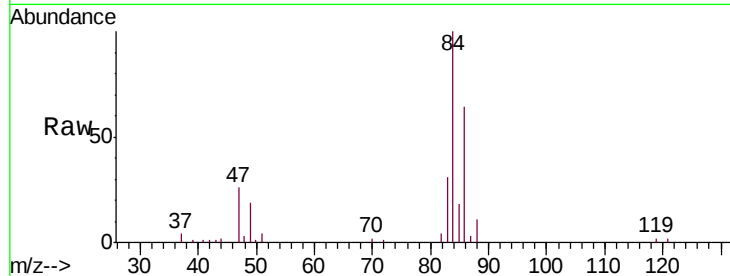




#25
Chloroform
Concen: 3.073 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

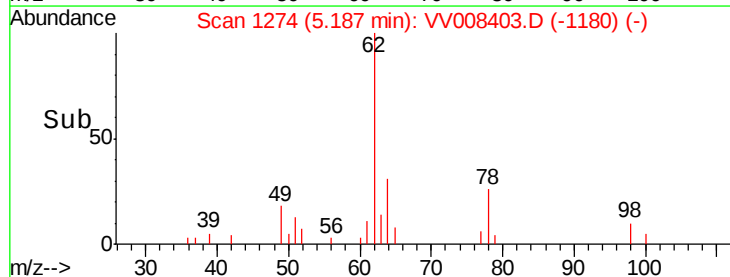
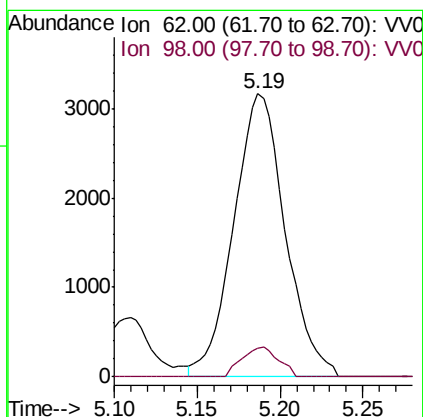
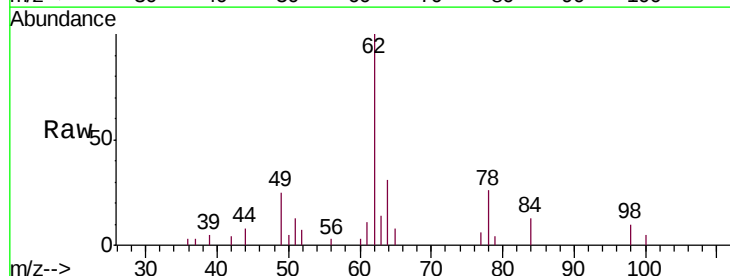
Instrument :
MSVOA_V
ClientSampled :
MDL05

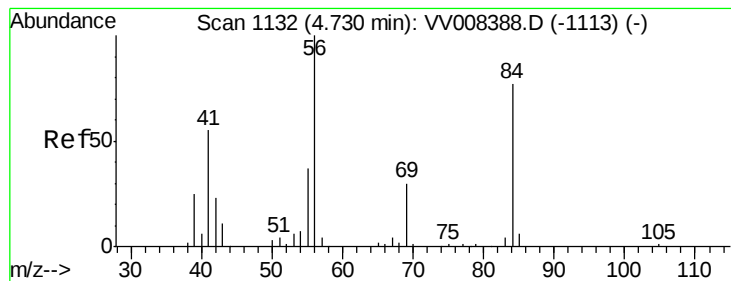
Tgt Ion: 83 Resp: 8235
Ion Ratio Lower Upper
83 100
85 58.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 3.047 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 62 Resp: 6820
Ion Ratio Lower Upper
62 100
98 10.3 6.6 9.8#





#29

Cyclohexane

Concen: 2.819 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

MDL05

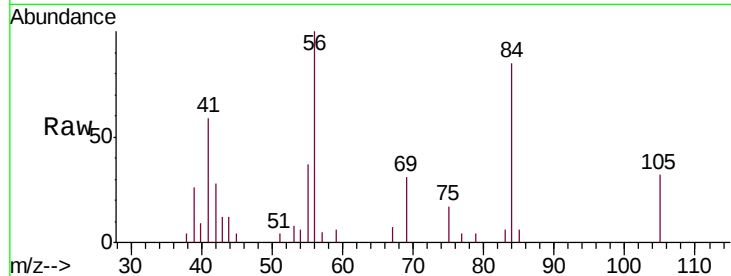
Tgt Ion: 56 Resp: 7239

Ion Ratio Lower Upper

56 100

69 31.8 24.6 37.0

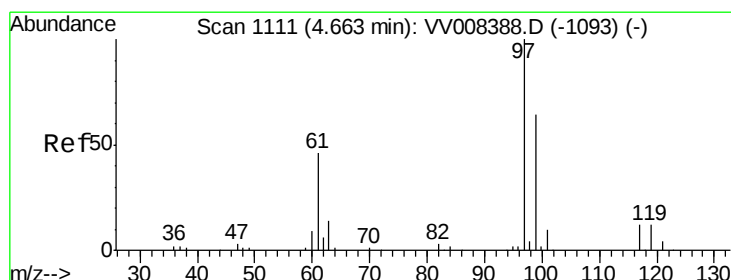
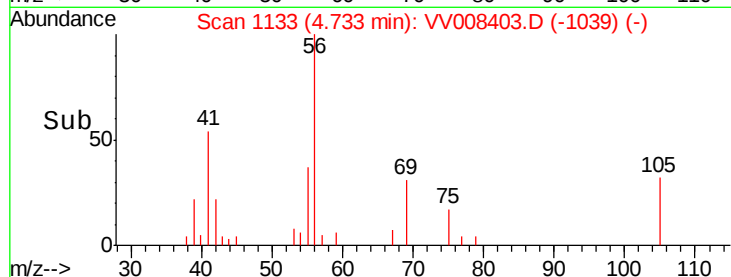
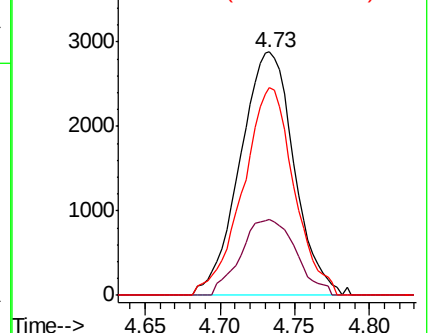
84 80.7 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VV008388.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV008388.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV008388.D (-1113) (-)



#30

1,1,1-Trichloroethane

Concen: 2.864 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

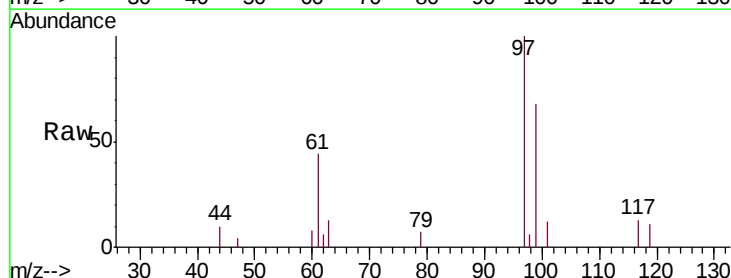
Tgt Ion: 97 Resp: 6550

Ion Ratio Lower Upper

97 100

99 61.4 51.6 77.4

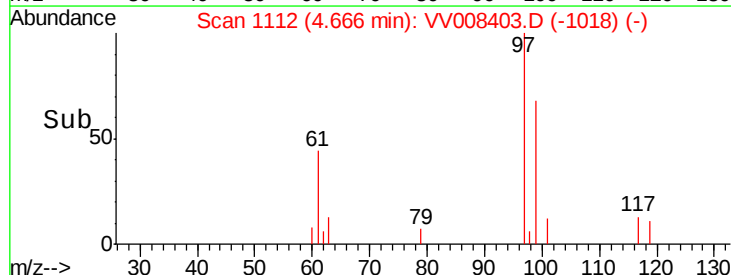
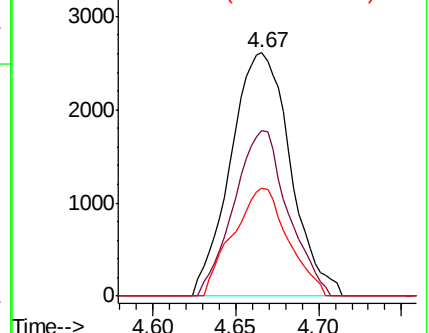
61 41.0 36.5 54.7

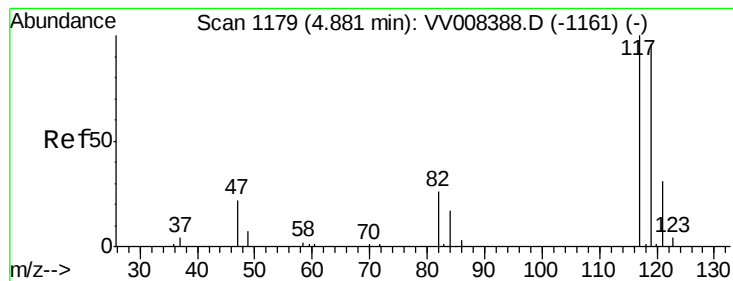


Abundance Ion 97.00 (96.70 to 97.70): VV008388.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV008388.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008388.D (-1093) (-)





#31

Carbon tetrachloride

Concen: 2.608 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

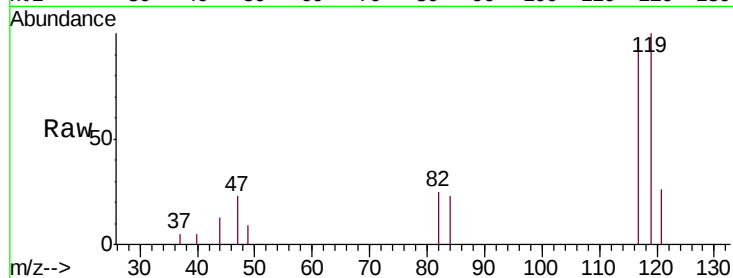
MDL05

Tgt Ion:117 Resp: 5062

Ion Ratio Lower Upper

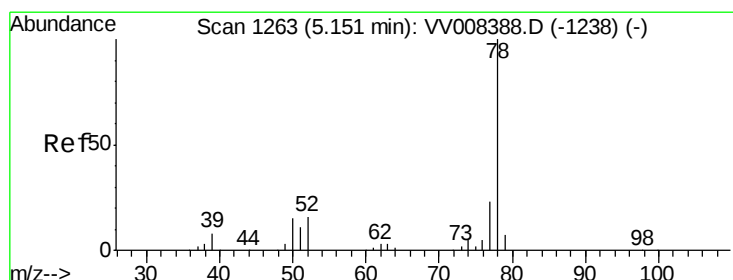
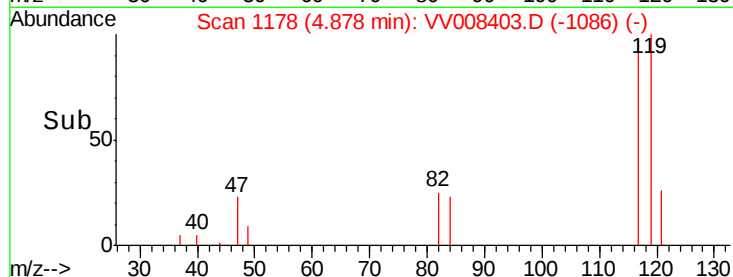
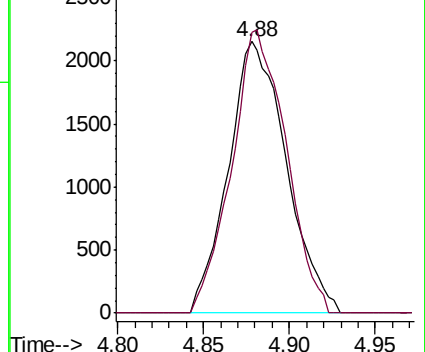
117 100

119 98.0 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.966 ug/L

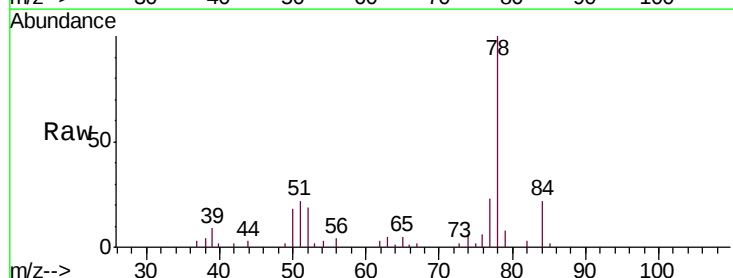
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

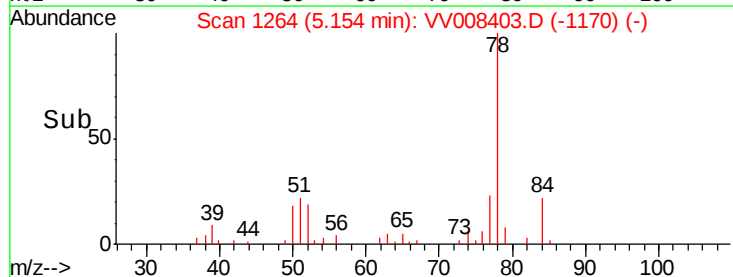
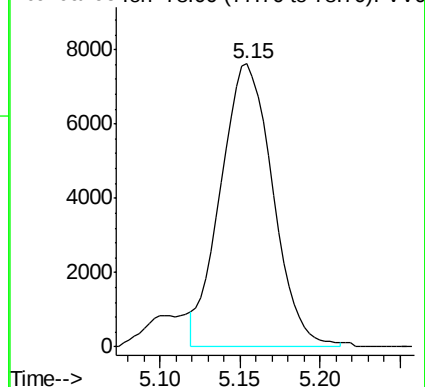
Lab File: VV008403.D

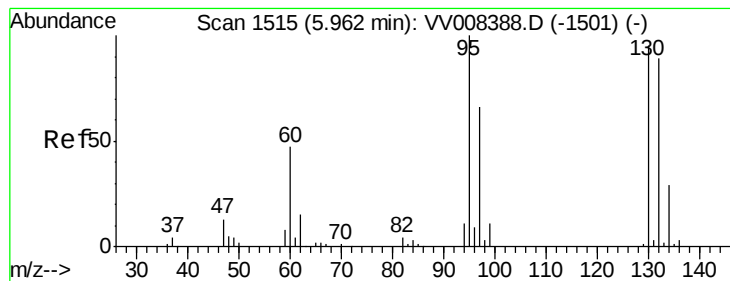
Acq: 24 Oct 2018 19:47

Tgt Ion: 78 Resp: 17100



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.860 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 95 Resp: 4222

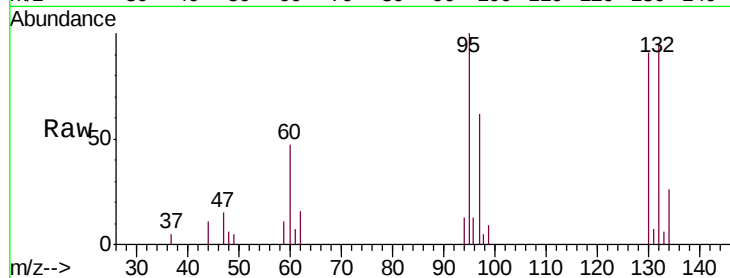
Ion Ratio Lower Upper

95 100

97 62.4 45.2 84.0

132 95.4 63.8 118.6

130 91.2 64.7 120.1



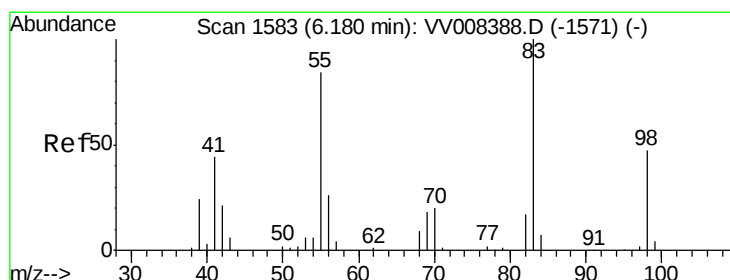
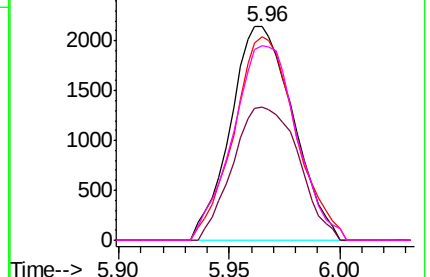
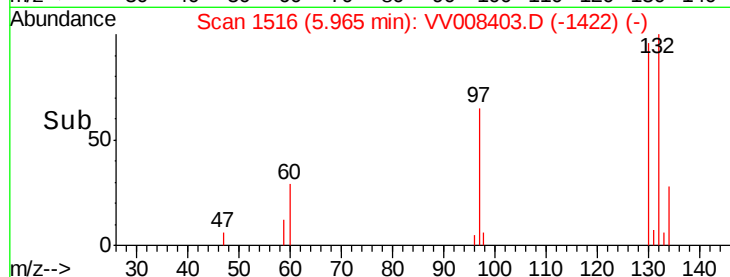
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time--> 5.90 5.95 6.00



#35

Methylcyclohexane

Concen: 2.730 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

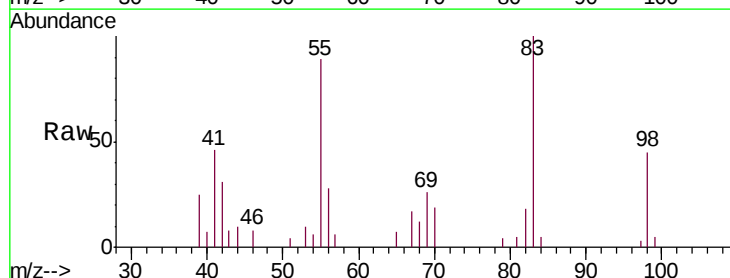
Tgt Ion: 83 Resp: 6850

Ion Ratio Lower Upper

83 100

55 86.5 65.0 97.4

98 45.9 36.0 54.0

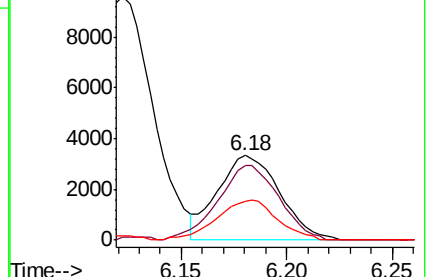
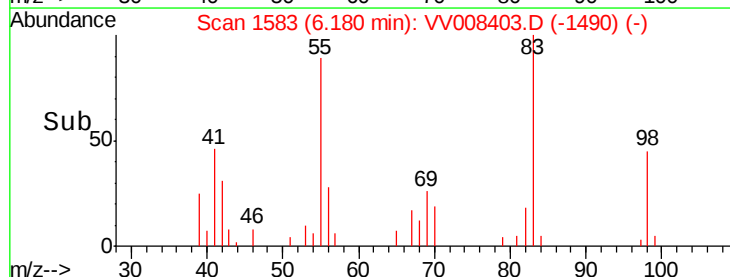


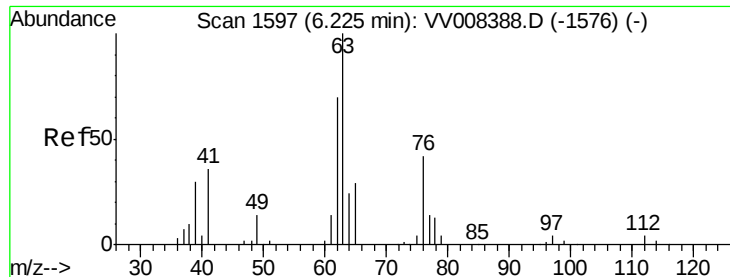
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time--> 6.15 6.20 6.25

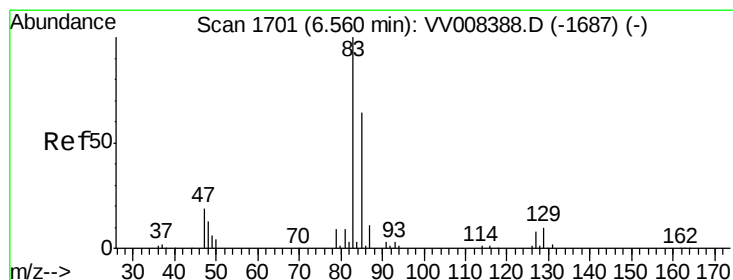
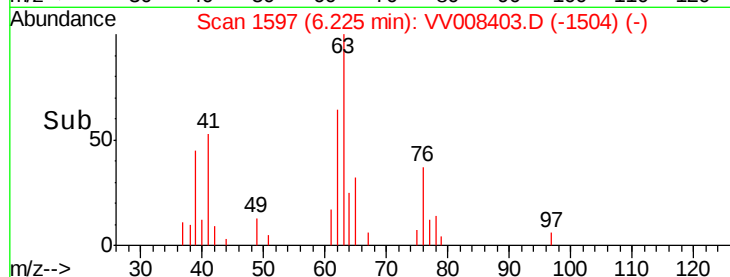
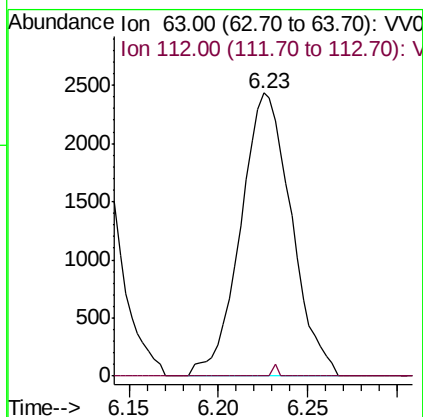
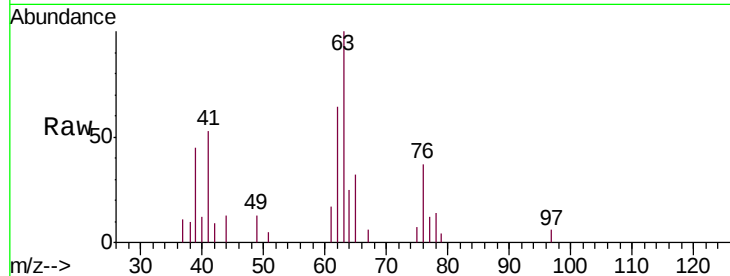




#37
 1,2-Dichloropropane
 Concen: 3.039 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

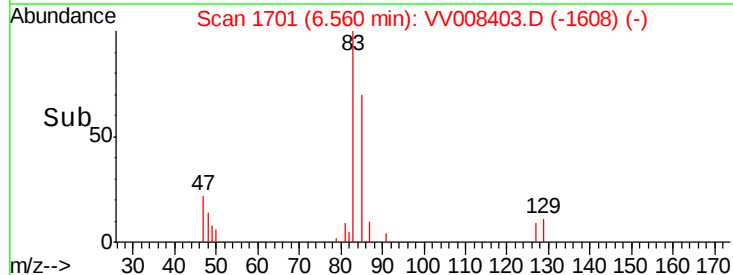
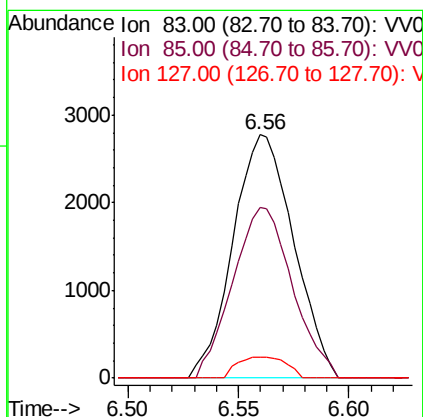
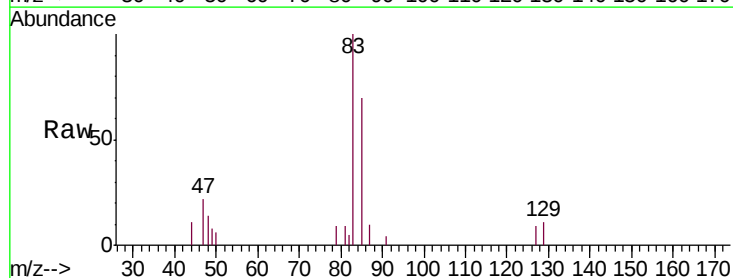
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

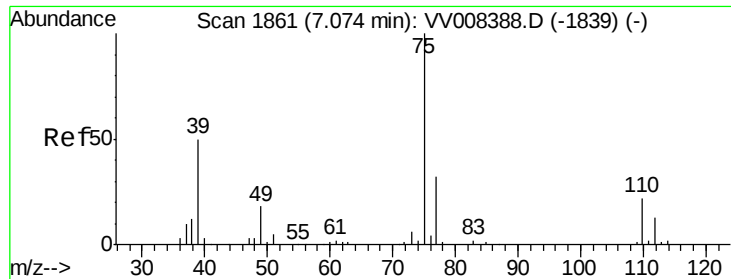
Tgt Ion: 63 Resp: 4839
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 2.610 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 83 Resp: 5295
 Ion Ratio Lower Upper
 83 100
 85 70.1 44.3 82.3
 127 8.6 6.3 9.5

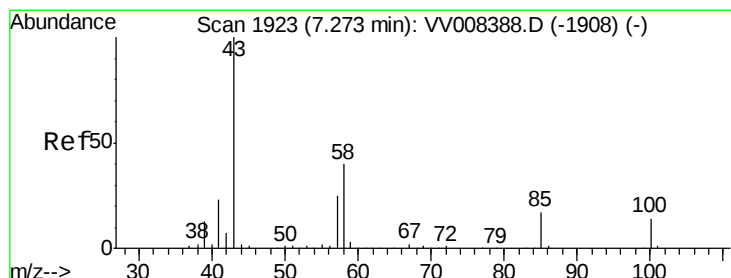
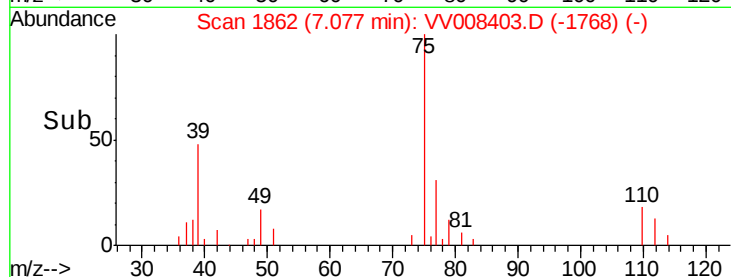
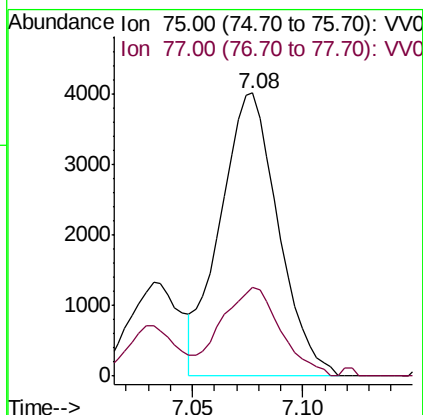
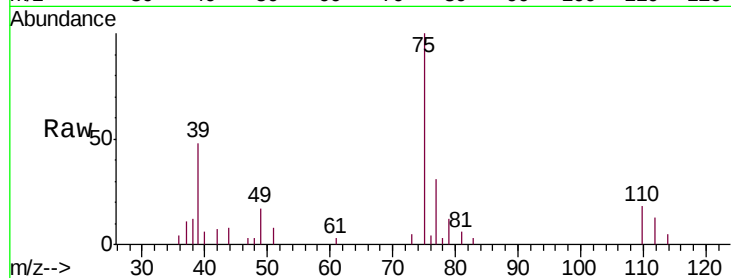




#39
 cis-1,3-Dichloropropene
 Concen: 2.937 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

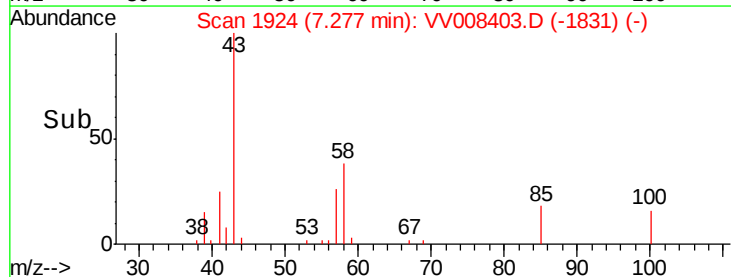
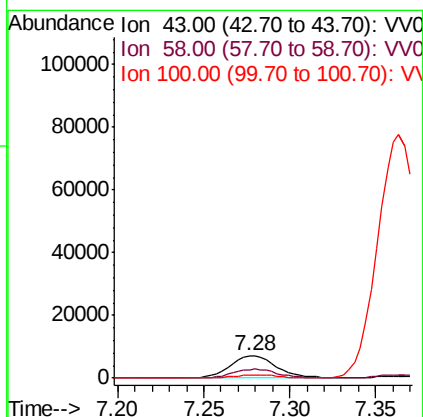
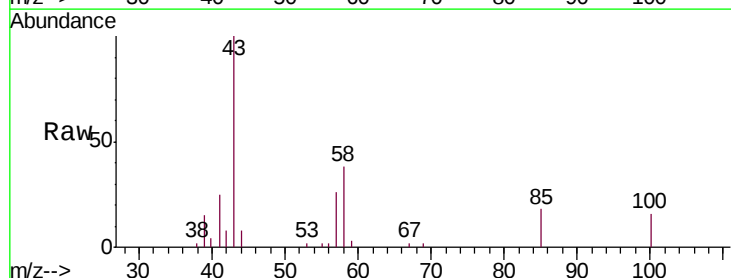
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

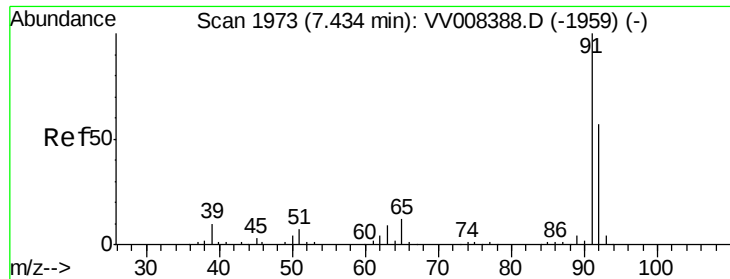
Tgt Ion: 75 Resp: 7352
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 5.663 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 43 Resp: 13353
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3
 100 13.7 10.9 16.3





#42

Toluene

Concen: 2.904 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

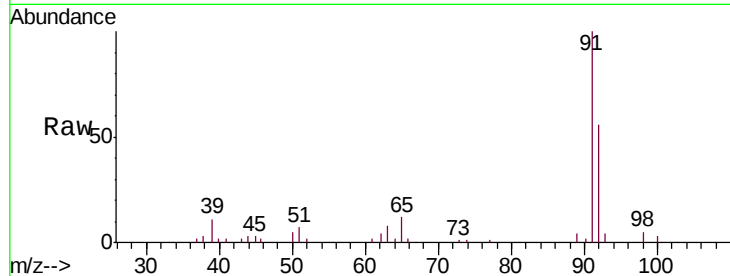
MDL05

Tgt Ion: 91 Resp: 17393

Ion Ratio Lower Upper

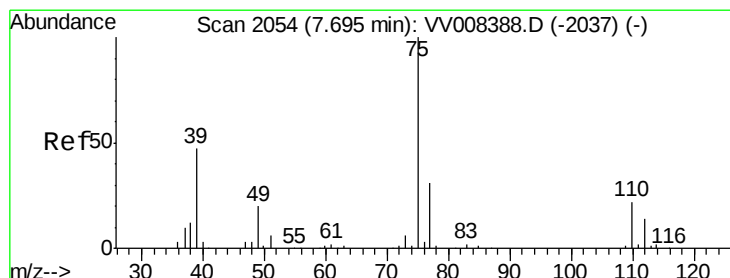
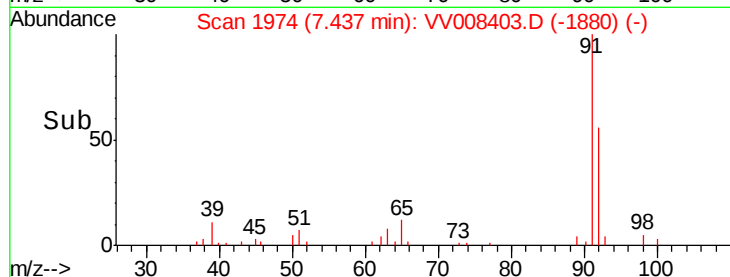
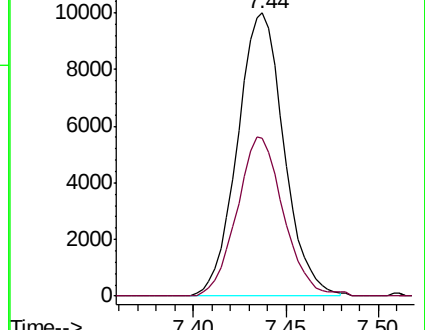
91 100

92 55.9 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008388.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.978 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008403.D

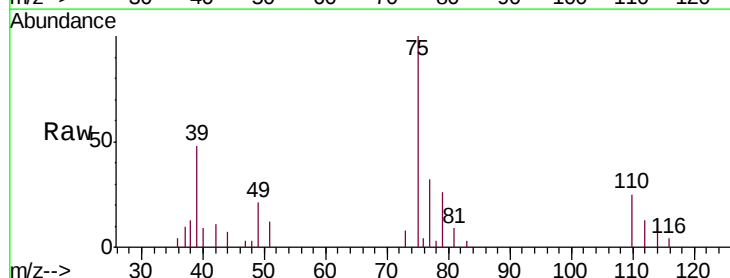
Acq: 24 Oct 2018 19:47

Tgt Ion: 75 Resp: 6975

Ion Ratio Lower Upper

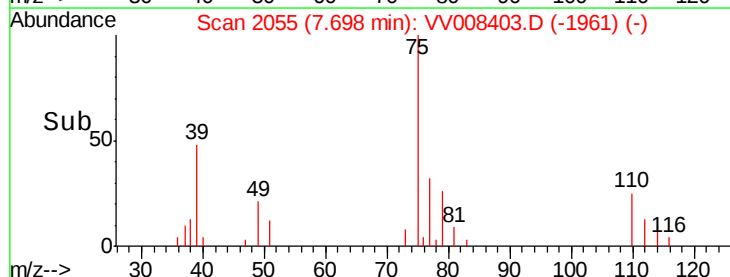
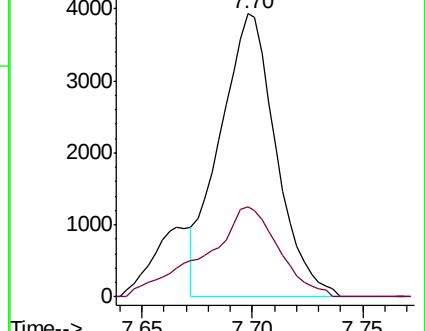
75 100

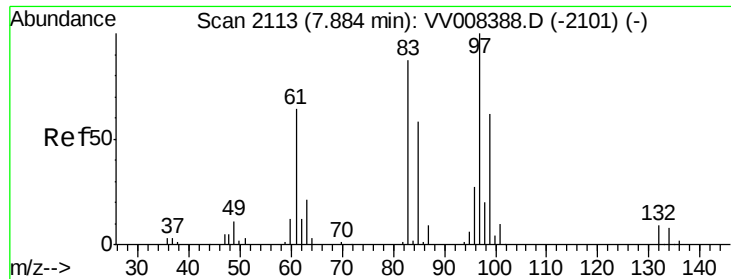
77 31.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2037) (-)

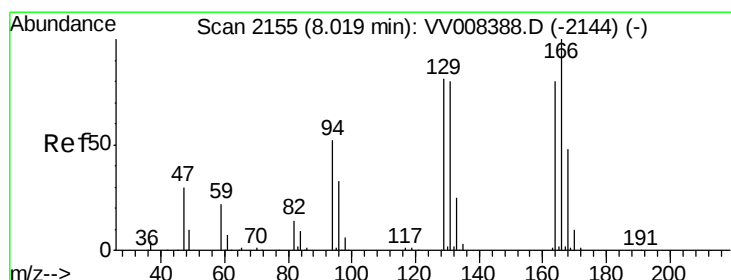
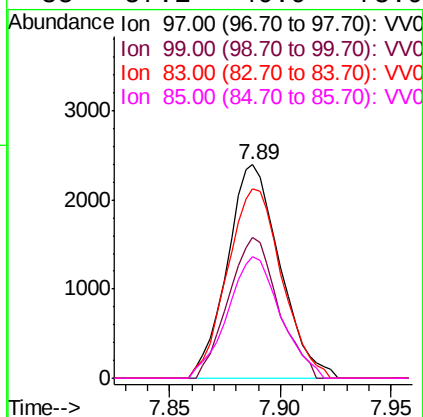
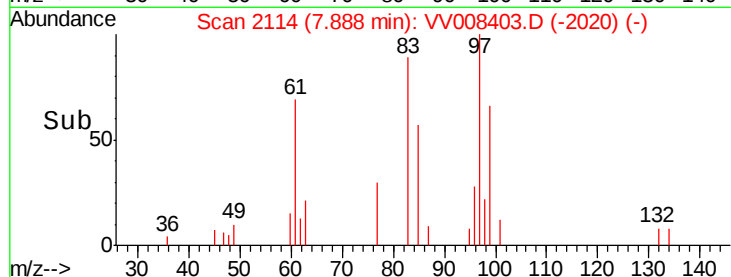
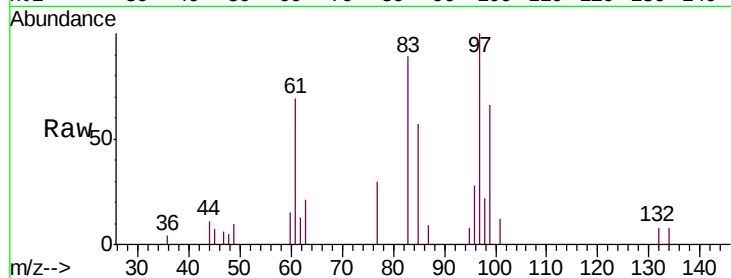




#45
1,1,2-Trichloroethane
Concen: 2.815 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

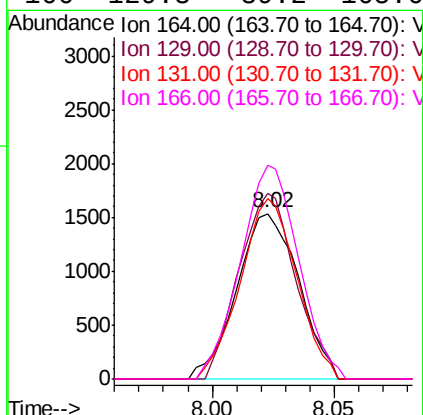
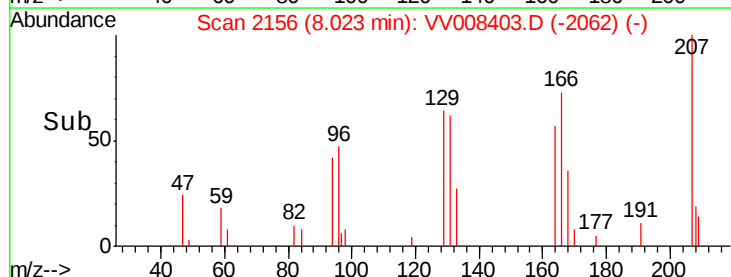
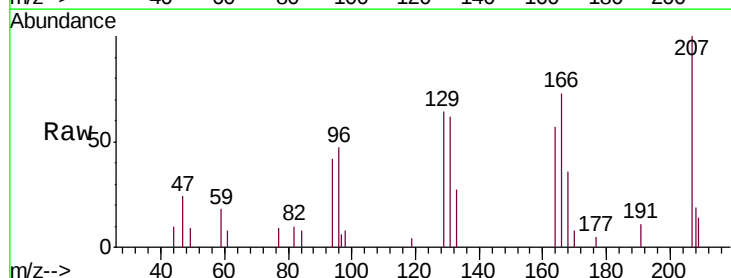
Instrument :
MSVOA_V
ClientSampleId :
MDL05

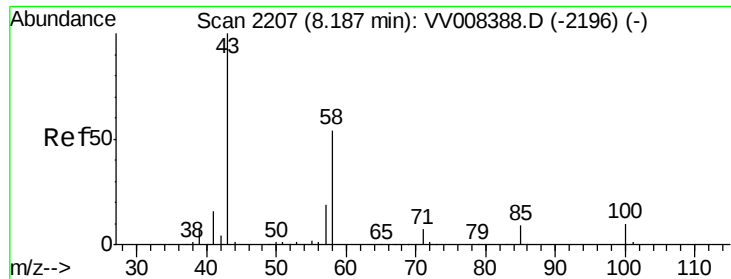
Tgt Ion:	97	Resp:	3963
Ion	Ratio	Lower	Upper
97	100		
99	65.9	43.3	80.3
83	89.0	61.9	114.9
85	57.1	40.9	75.9



#46
Tetrachloroethene
Concen: 2.806 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion:	164	Resp:	2700
Ion	Ratio	Lower	Upper
164	100		
129	112.5	75.0	139.2
131	109.4	71.3	132.3
166	129.3	89.2	165.6

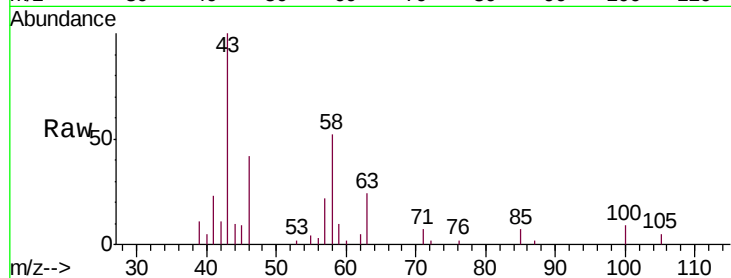




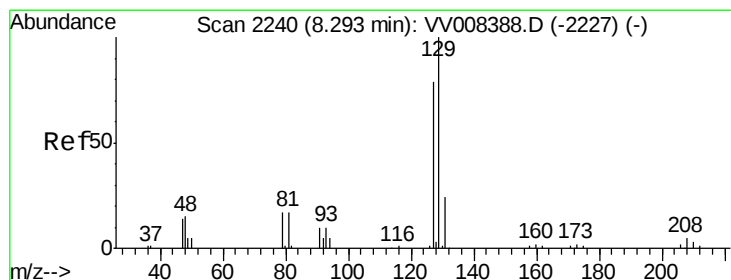
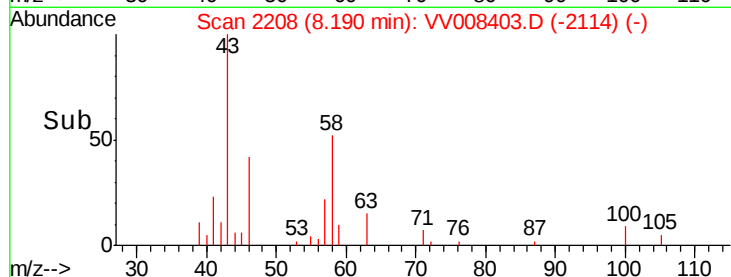
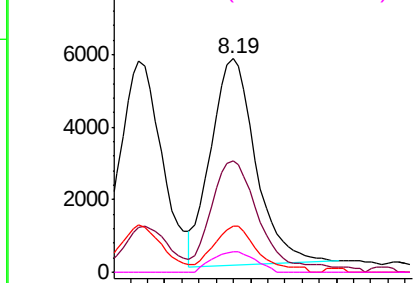
#48
2-Hexanone
Concen: 5.690 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 10353
Ion Ratio Lower Upper
43 100
58 50.8 42.6 63.8
57 18.3 14.8 22.2
100 9.5 8.5 12.7

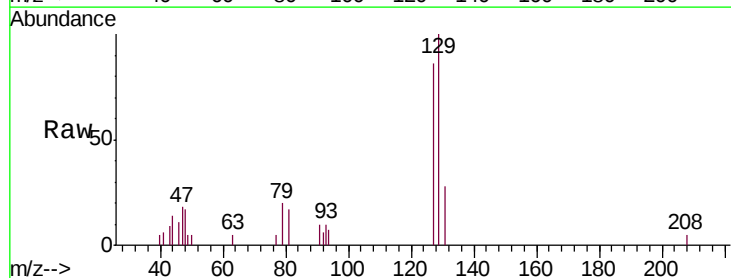


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

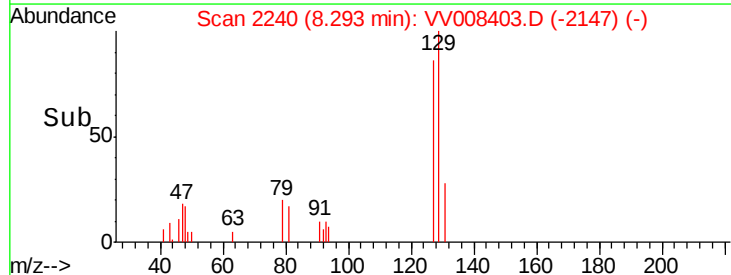
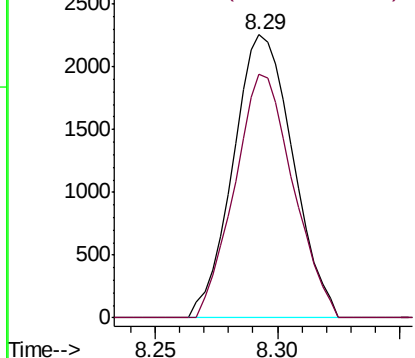


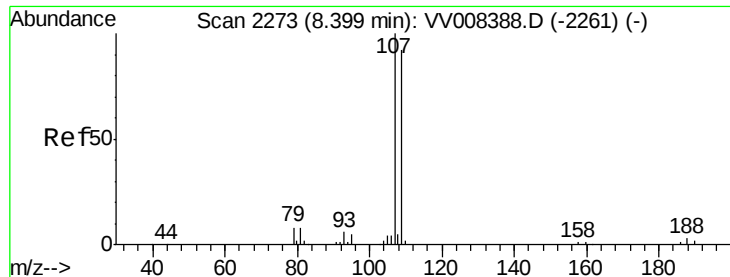
#49
Dibromochloromethane
Concen: 2.537 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 129 Resp: 3838
Ion Ratio Lower Upper
129 100
127 86.0 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

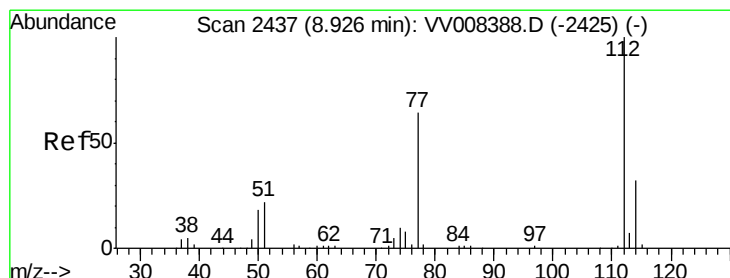
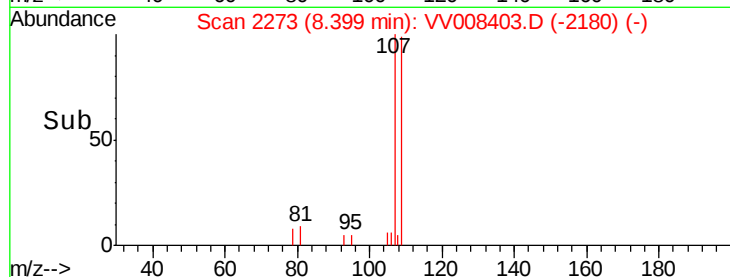
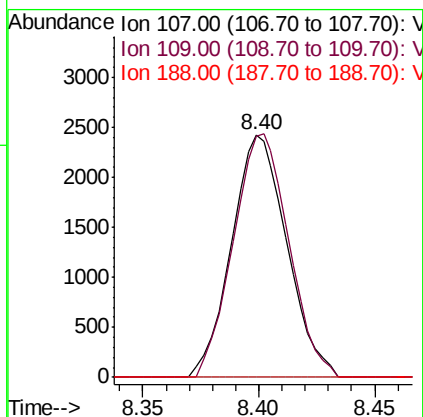
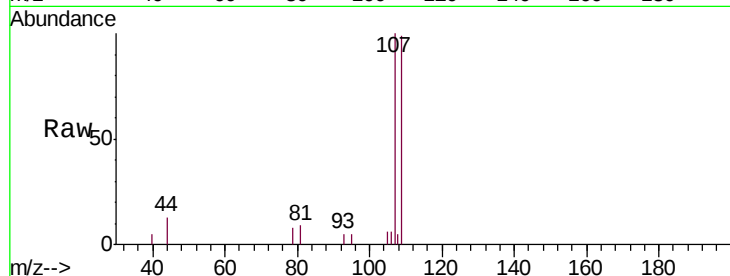




#50
1,2-Dibromoethane
Concen: 2.723 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

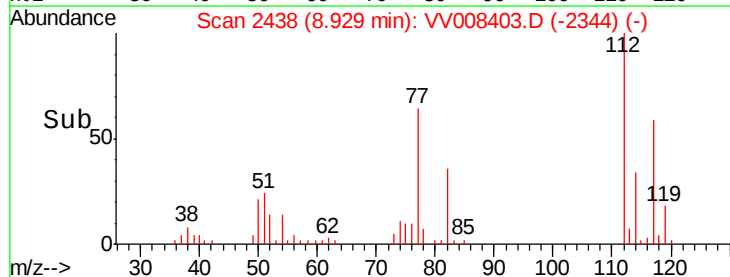
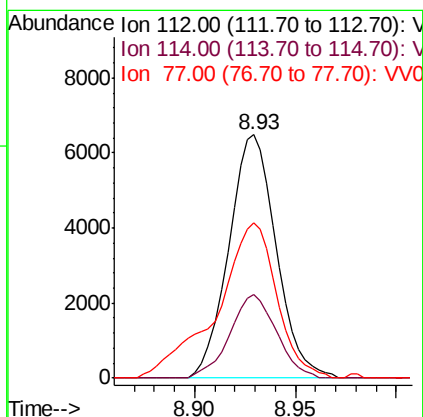
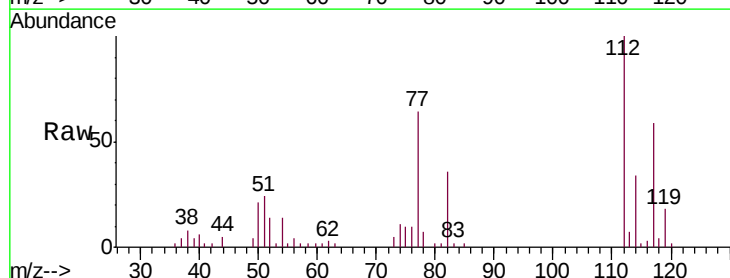
Instrument :
MSVOA_V
ClientSampleId :
MDL05

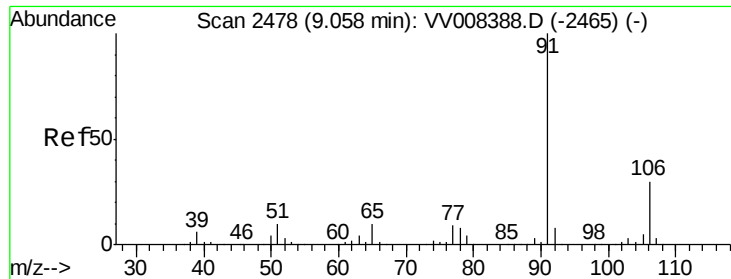
Tgt Ion:107 Resp: 4021
Ion Ratio Lower Upper
107 100
109 99.4 65.2 121.2
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 2.890 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion:112 Resp: 10657
Ion Ratio Lower Upper
112 100
114 34.4 22.5 41.7
77 63.6 52.0 78.0

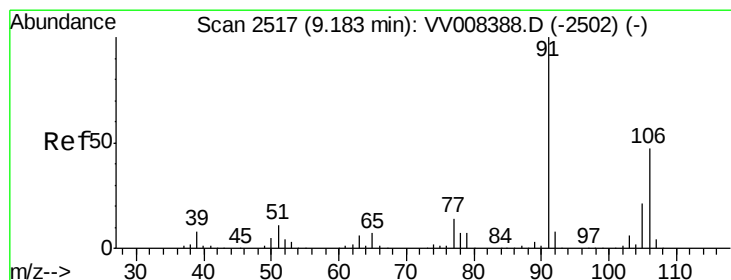
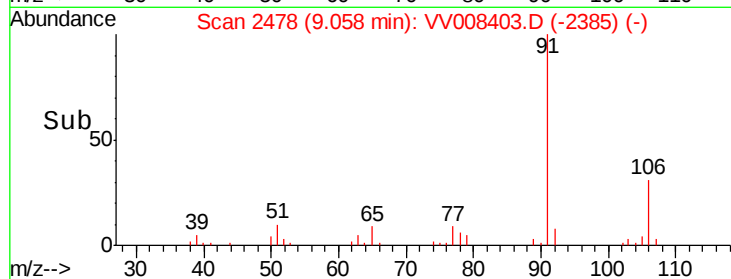
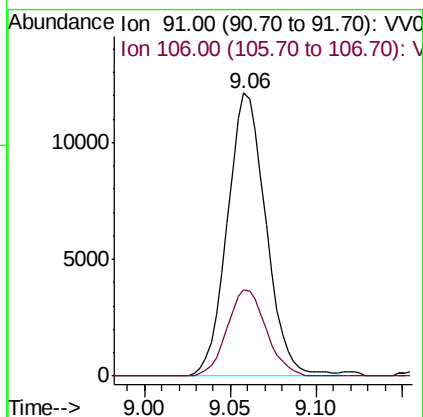
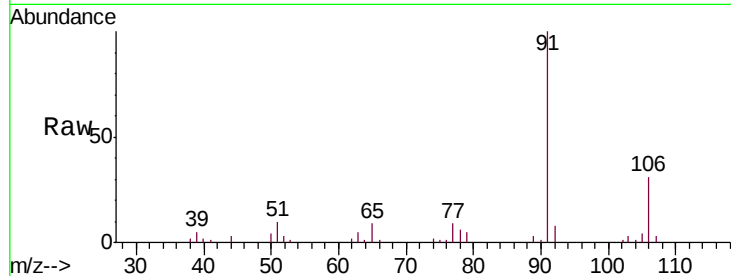




#52
Ethylbenzene
Concen: 2.827 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

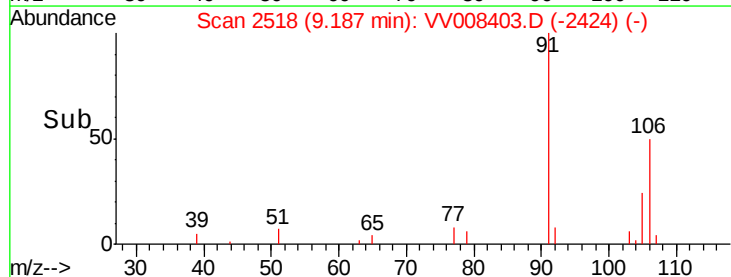
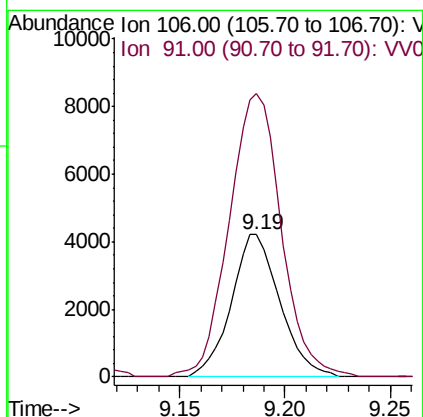
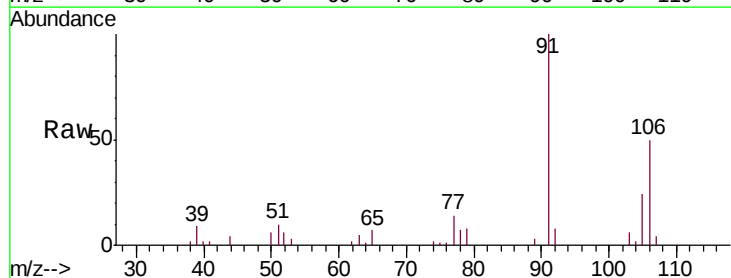
Instrument :
MSVOA_V
ClientSampled :
MDL05

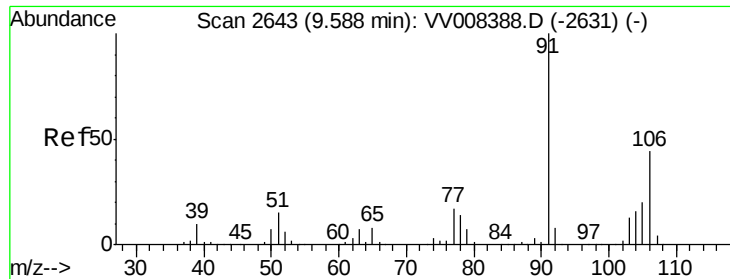
Tgt Ion: 91 Resp: 18966
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-Xylene
Concen: 2.752 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 106 Resp: 6744
Ion Ratio Lower Upper
106 100
91 199.3 150.0 278.6





#54

o-xylene

Concen: 2.853 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

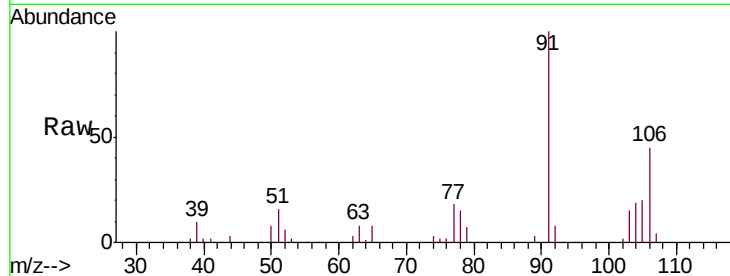
MDL05

Tgt Ion:106 Resp: 6982

Ion Ratio Lower Upper

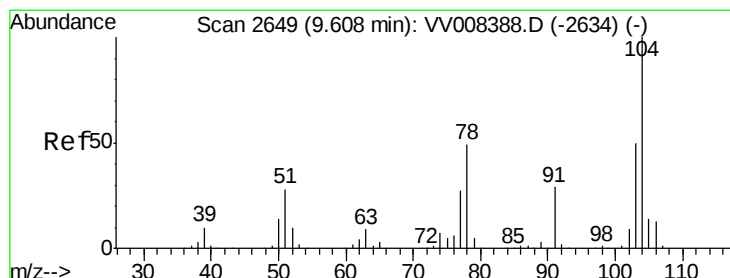
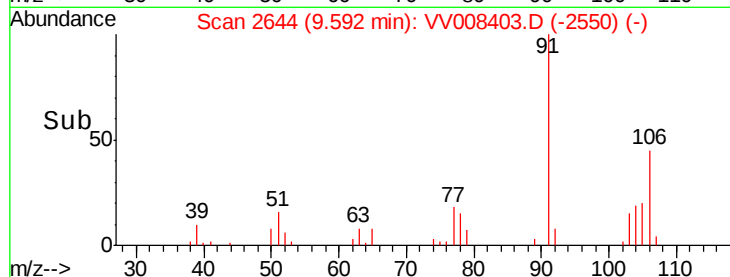
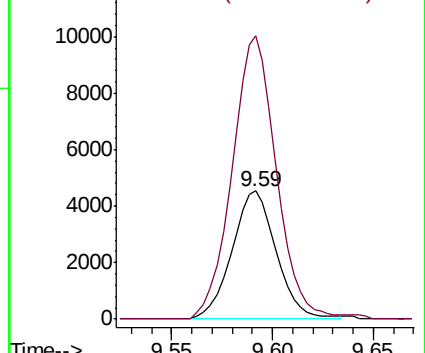
106 100

91 220.4 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.719 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008403.D

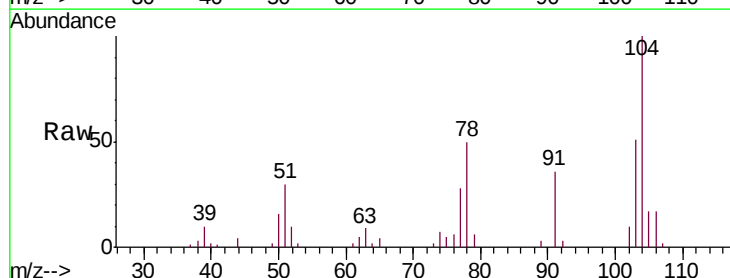
Acq: 24 Oct 2018 19:47

Tgt Ion:104 Resp: 11212

Ion Ratio Lower Upper

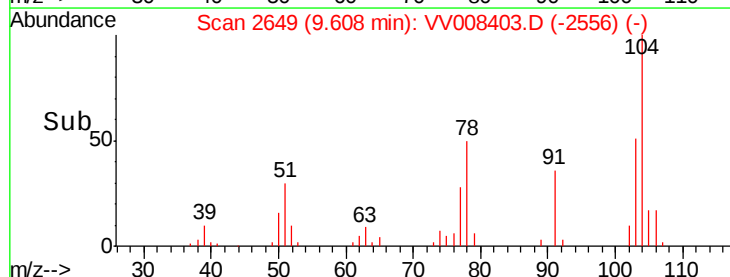
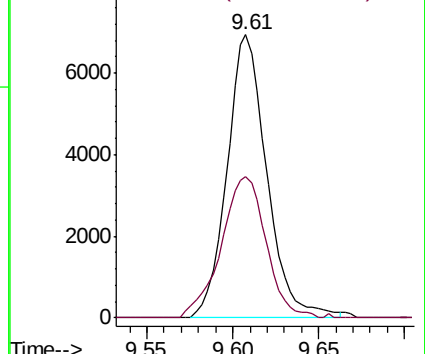
104 100

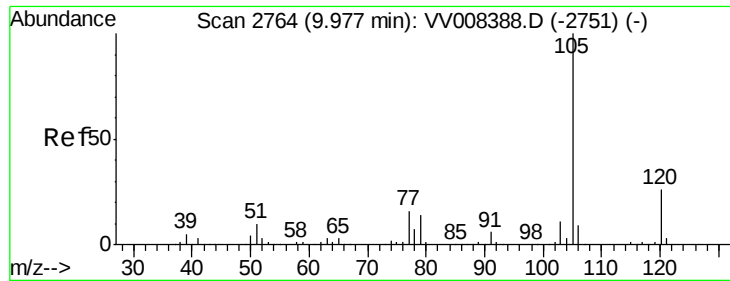
78 49.8 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.704 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

MDL05

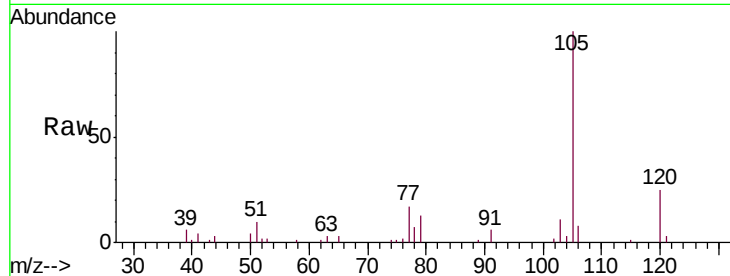
Tgt Ion: 105 Resp: 17315

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

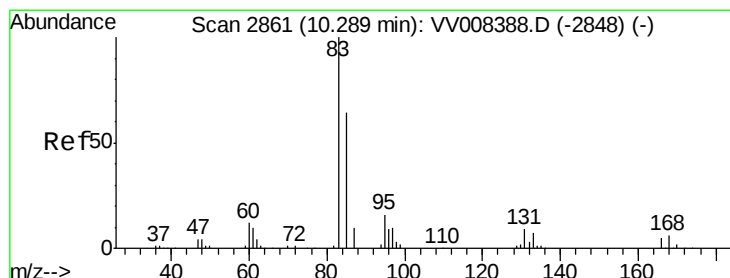
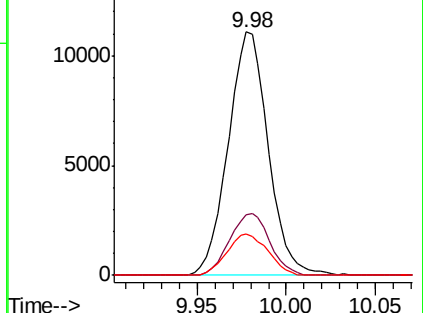
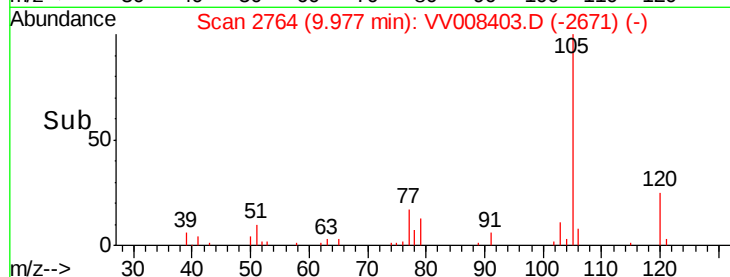
77 17.3 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): VV008403.D (-2768) (-)

Ion 120.00 (119.70 to 120.70): VV008403.D (-2768) (-)

Ion 77.00 (76.70 to 77.70): VV008403.D (-2768) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 3.018 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

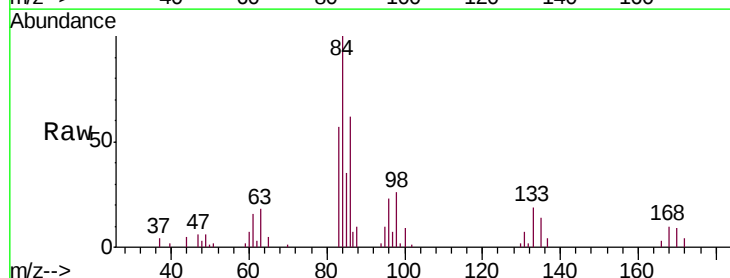
Tgt Ion: 83 Resp: 7440

Ion Ratio Lower Upper

83 100

85 61.7 45.8 85.2

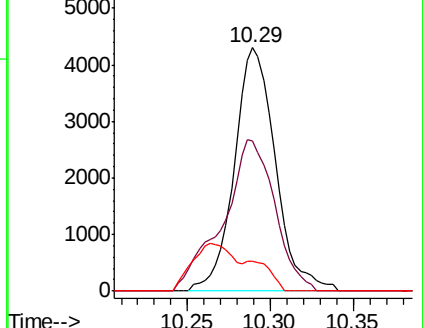
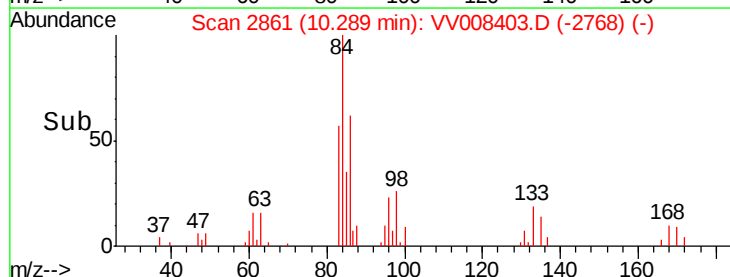
131 12.2 7.3 10.9#

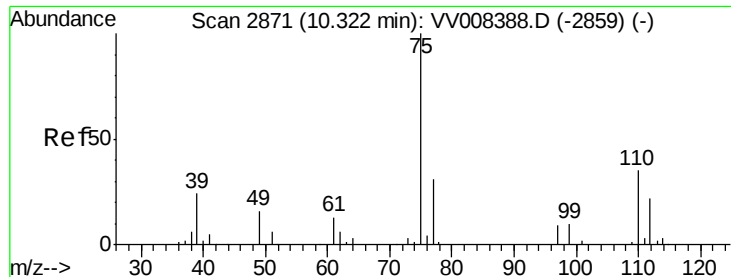


Abundance Ion 83.00 (82.70 to 83.70): VV008403.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008403.D (-2768) (-)

Ion 131.00 (130.70 to 131.70): VV008403.D (-2768) (-)

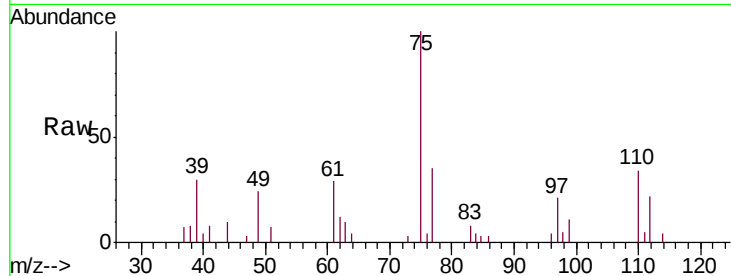




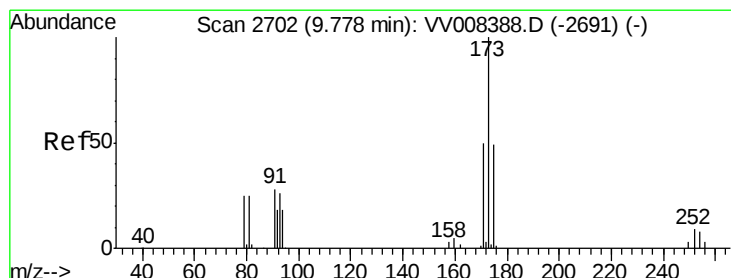
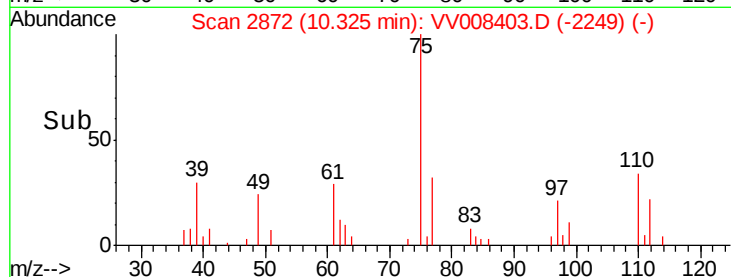
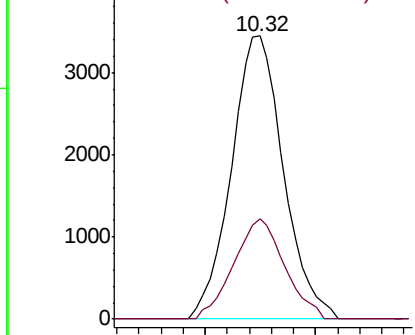
#59
1,2,3-Trichloropropane
Concen: 2.826 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 75 Resp: 5640
Ion Ratio Lower Upper
75 100
77 34.5 25.8 38.8

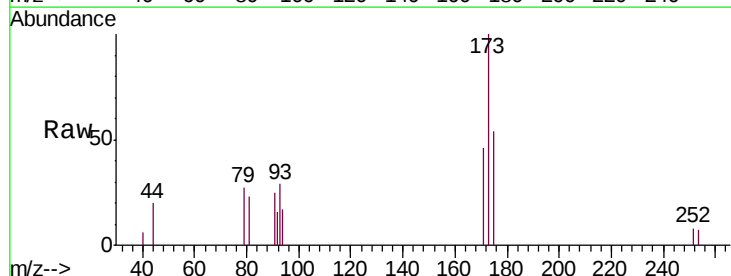


Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2859) (-)
Ion 77.00 (76.70 to 77.70): VV008388.D (-2859) (-)

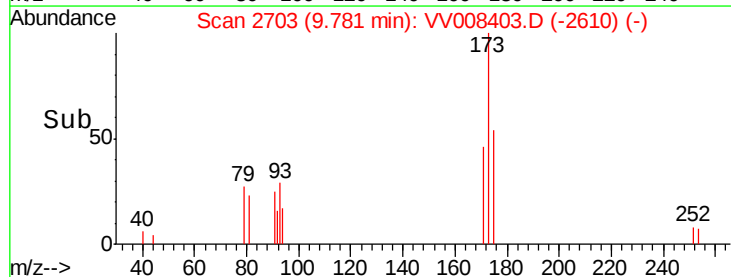
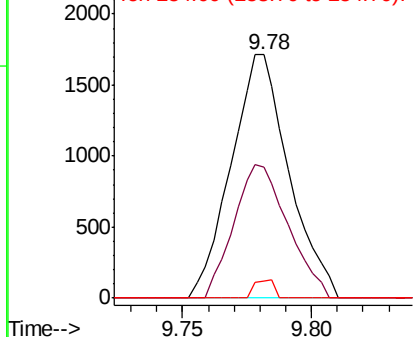


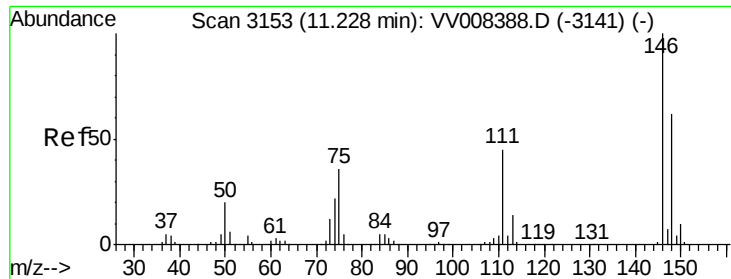
#61
Bromoform
Concen: 2.884 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.00 min
Lab File: VV008403.D
Acq: 24 Oct 2018 19:47

Tgt Ion: 173 Resp: 2684
Ion Ratio Lower Upper
173 100
175 51.2 38.6 57.8
254 2.6 5.9 8.9#



Abundance Ion 173.00 (172.70 to 173.70): VV008388.D (-2691) (-)
Ion 175.00 (174.70 to 175.70): VV008388.D (-2691) (-)
Ion 254.00 (253.70 to 254.70): VV008388.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 2.812 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

MDL05

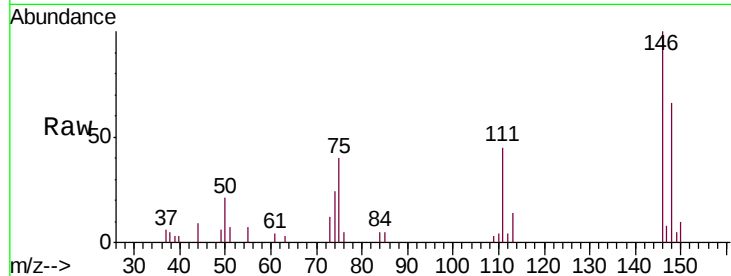
Tgt Ion:146 Resp: 6858

Ion Ratio Lower Upper

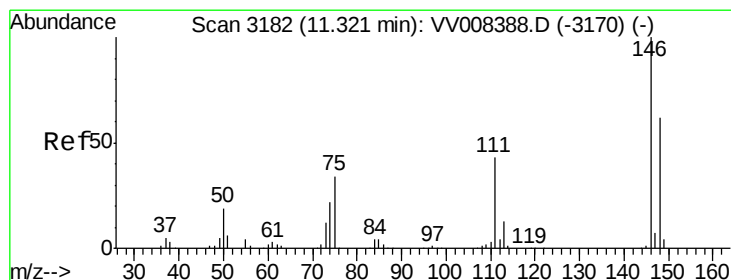
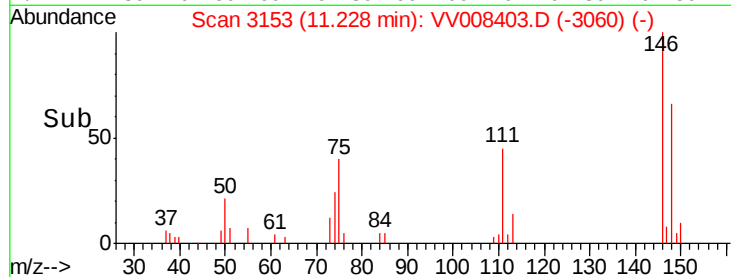
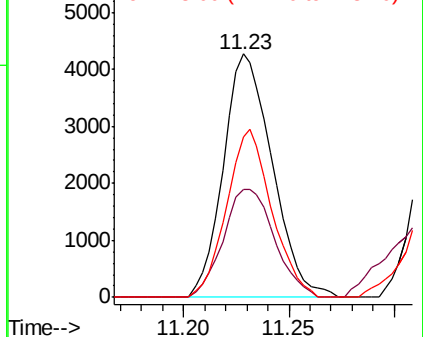
146 100

111 44.5 30.9 57.3

148 66.0 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 2.785 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

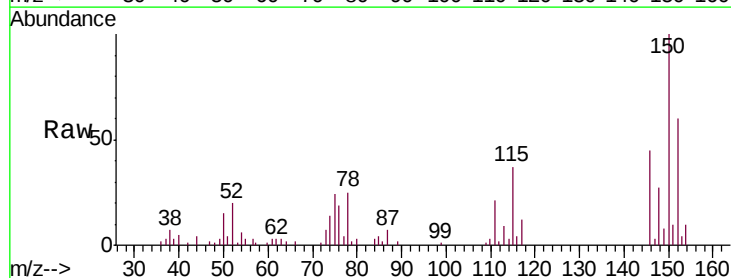
Tgt Ion:146 Resp: 6808

Ion Ratio Lower Upper

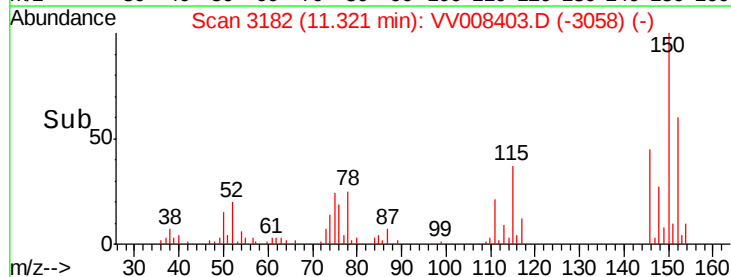
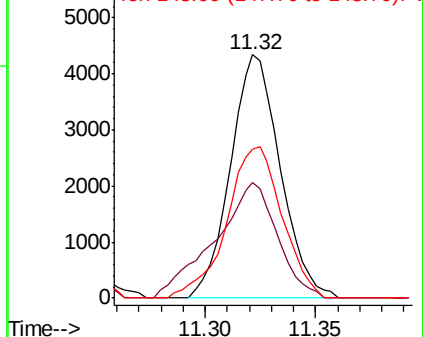
146 100

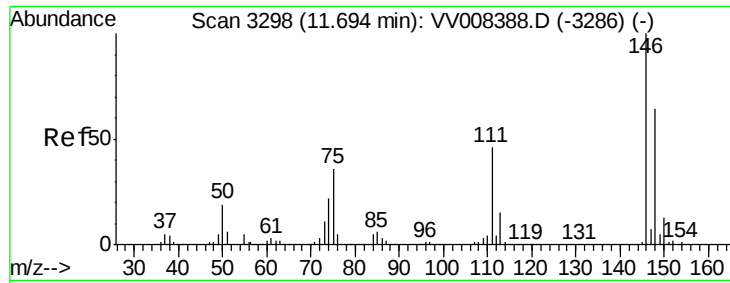
111 47.7 29.8 55.4

148 61.3 44.4 82.5



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

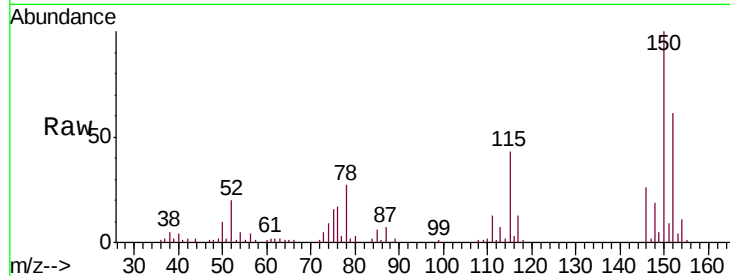




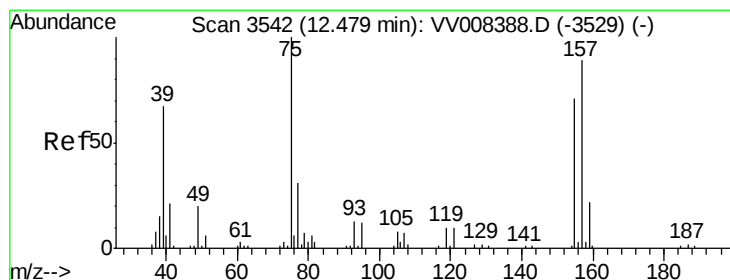
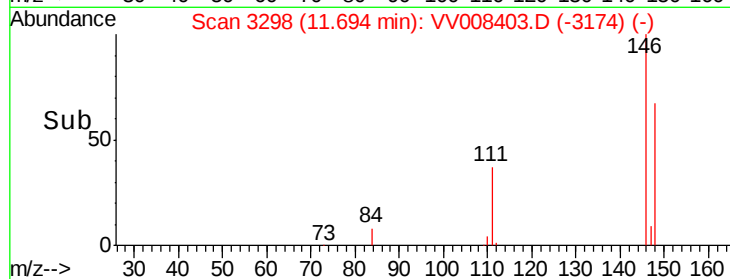
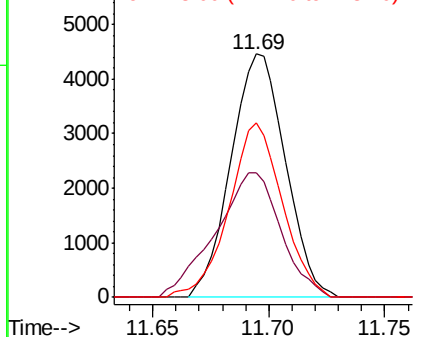
#65
 1,2-Dichlorobenzene
 Concen: 2.929 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 146 Resp: 7283
 Ion Ratio Lower Upper
 146 100
 111 51.1 36.2 54.2
 148 71.8 50.3 75.5

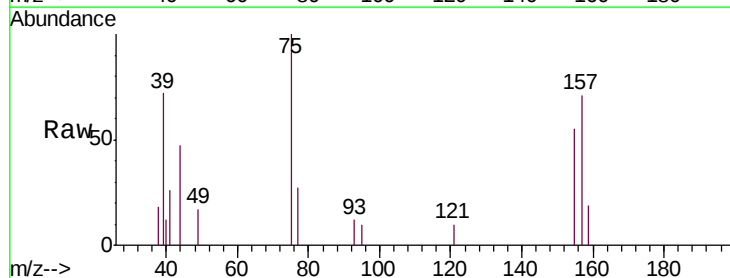


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

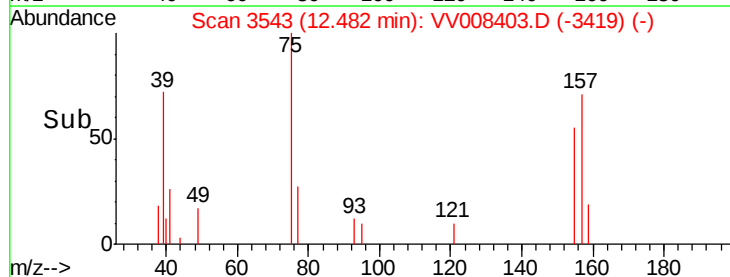
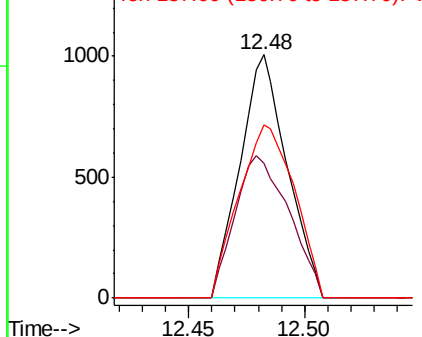


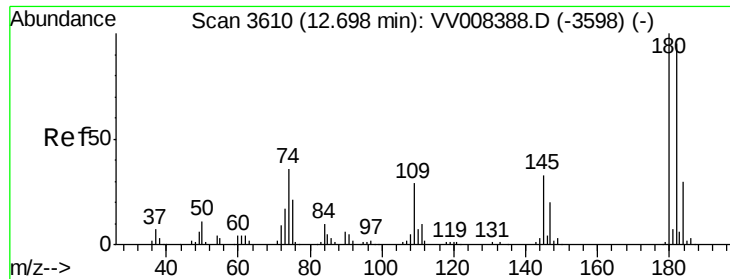
#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.781 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion: 75 Resp: 1422
 Ion Ratio Lower Upper
 75 100
 155 55.2 55.4 83.0#
 157 71.1 72.8 109.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

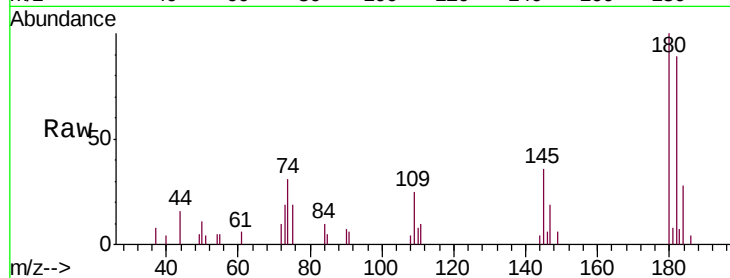




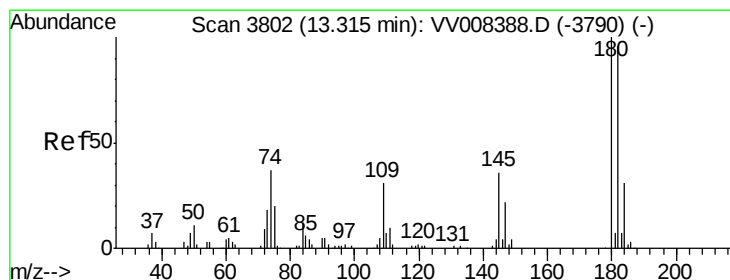
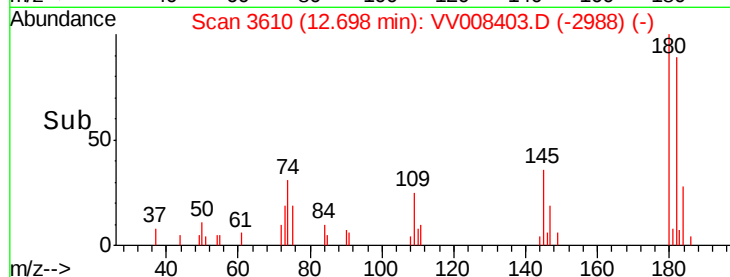
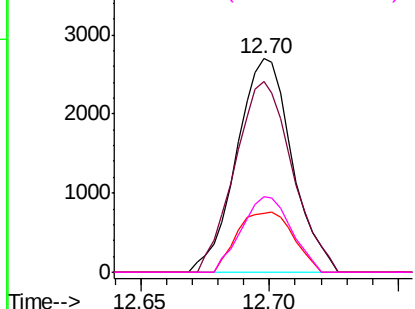
#67
 1,3,5-Trichlorobenzene
 Concen: 2.536 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 4038
 Ion Ratio Lower Upper
 180 100
 182 92.4 75.9 113.9
 184 28.7 24.1 36.1
 145 31.7 26.8 40.2

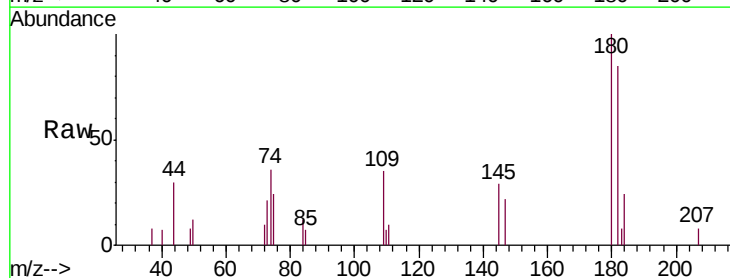


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

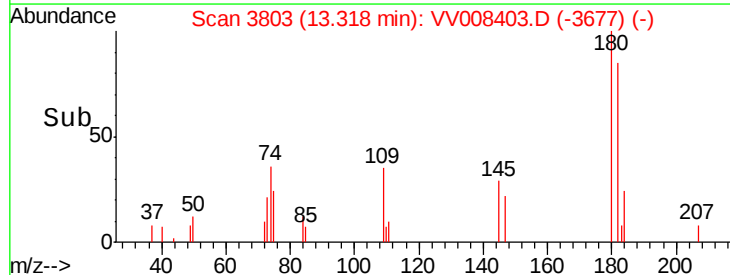
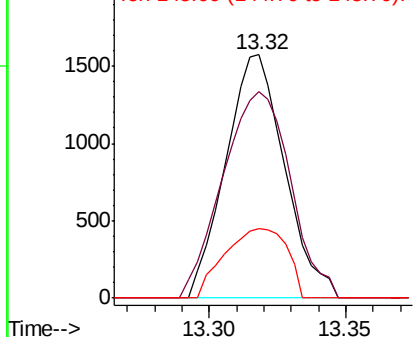


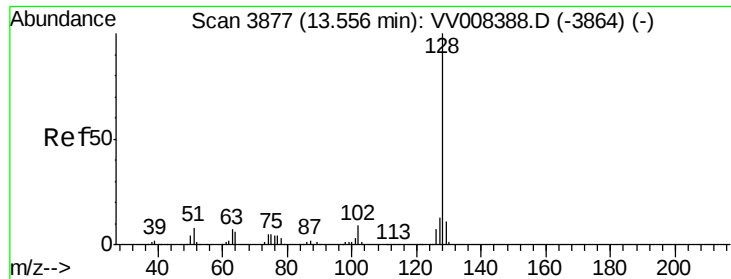
#68
 1,2,4-trichlorobenzene
 Concen: 1.835 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008403.D
 Acq: 24 Oct 2018 19:47

Tgt Ion:180 Resp: 2364
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.4 113.2
 145 30.0 27.0 40.6



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: 1.561 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

Instrument :

MSVOA_V

ClientSampleId :

MDL05

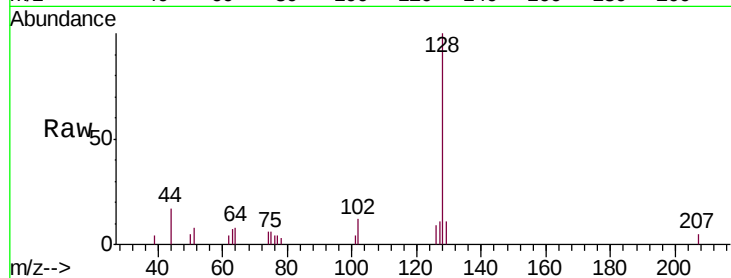
Tgt Ion:128 Resp: 6505

Ion Ratio Lower Upper

128 100

127 6.1 10.6 15.8#

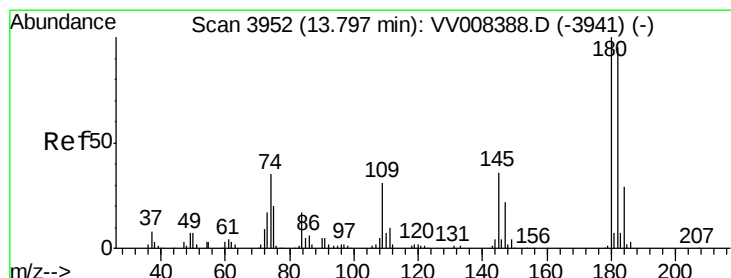
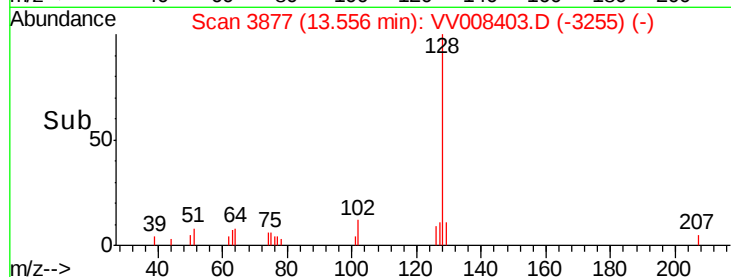
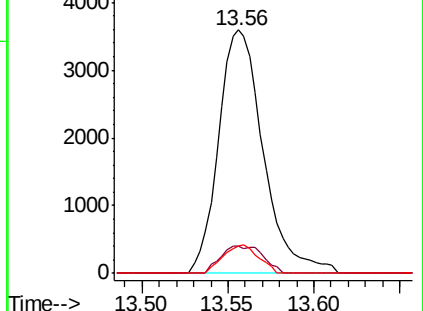
129 9.2 8.9 13.3



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: 2.006 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008403.D

Acq: 24 Oct 2018 19:47

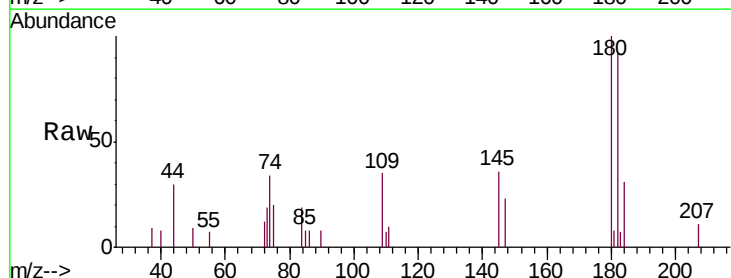
Tgt Ion:180 Resp: 2583

Ion Ratio Lower Upper

180 100

182 85.9 75.7 113.5

145 35.5 28.6 43.0



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

