

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006992.D
 Acq On : 10 Aug 2018 19:08
 Operator : SY/MD
 Sample : MDL03
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Aug 11 00:21:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	236037	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	228634	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93676	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65560	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	59865	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	90483	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	3.97	46	221557	50.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.12%
24) Chloroform-d	4.41	84	150382	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.09	65	80083	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.10	84	277386	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.12	67	101833	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.37	98	207065	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.67	79	31032	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.15	63	117877	41.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.52%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74662	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	78571	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5969	0.260 ug/L	99
3) Chloromethane	1.25	50	5915	0.267 ug/L	100
5) Vinyl chloride	1.32	62	5449	0.238 ug/L #	61
6) Bromomethane	1.53	94	1504	0.303 ug/L	96
8) Chloroethane	1.60	64	3659	0.264 ug/L	97
9) Trichlorofluoromethane	1.77	101	7664	0.263 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5060	0.290 ug/L #	88
12) 1,1-Dichloroethene	2.14	96	5145	0.304 ug/L #	1
13) Acetone	2.21	43	7436	3.296 ug/L	98
14) Carbon disulfide	2.32	76	13780	0.246 ug/L #	89
15) Methyl Acetate	2.47	43	2122	0.334 ug/L	95
16) Methylene chloride	2.54	84	7228	0.354 ug/L	88
17) Methyl tert-butyl Ether	2.82	73	10369	0.255 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	4849	0.267 ug/L	96
19) 1,1-Dichloroethane	3.23	63	8161	0.249 ug/L	96
21) 2-Butanone	4.06	43	11861	2.421 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	5153	0.250 ug/L	97

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 Misc : 25 mL/MSVOA V/WATER
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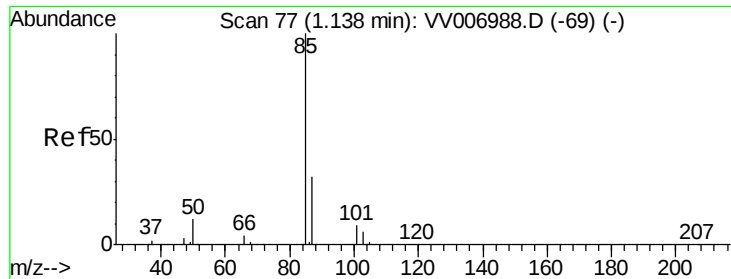
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Aug 11 00:21:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	1934	0.230	ug/L	82
25) Chloroform	4.43	83	9879	0.276	ug/L	97
27) 1,2-Dichloroethane	5.19	62	6237	0.279	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	7394	0.243	ug/L	97
31) Carbon tetrachloride	4.87	117	6070	0.237	ug/L	95
33) Benzene	5.15	78	19088	0.241	ug/L	100
34) Trichloroethene	5.96	95	4346	0.229	ug/L	79
35) Methylcyclohexane	6.18	83	6449	0.212	ug/L	97
37) 1,2-Dichloropropane	6.23	63	5339	0.246	ug/L #	94
38) Bromodichloromethane	6.57	83	5582	0.227	ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	21227	1.812	ug/L #	87
42) Toluene	7.44	91	16269	0.214	ug/L	92
44) trans-1,3-Dichloropropene	7.70	75	5778	0.269	ug/L	90
45) 1,1,2-Trichloroethane	7.89	97	3085	0.219	ug/L #	89
47) Tetrachloroethene	8.03	164	3942	0.256	ug/L	96
48) 2-Hexanone	8.20	43	31883	3.860	ug/L	94
49) Dibromochloromethane	8.30	129	3731	0.252	ug/L	95
50) 1,2-Dibromoethane	8.40	107	2950	0.248	ug/L #	99
51) Chlorobenzene	8.93	112	11375	0.234	ug/L	99
52) Ethylbenzene	9.06	91	15921	0.209	ug/L	99
54) o-xylene	9.59	106	5697	0.212	ug/L	90
58) 1,1,2,2-Tetrachloroethane	10.29	83	3727	0.217	ug/L #	71
59) 1,2,3-Trichloropropane	10.33	75	3091	0.255	ug/L #	86
61) Bromoform	9.78	173	1980	0.279	ug/L #	88
62) 1,3-Dichlorobenzene	11.24	146	7146	0.236	ug/L	93
63) 1,4-Dichlorobenzene	11.32	146	7780	0.250	ug/L	88
65) 1,2-Dichlorobenzene	11.70	146	7415	0.249	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	498	0.235	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	5534	0.241	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.260 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

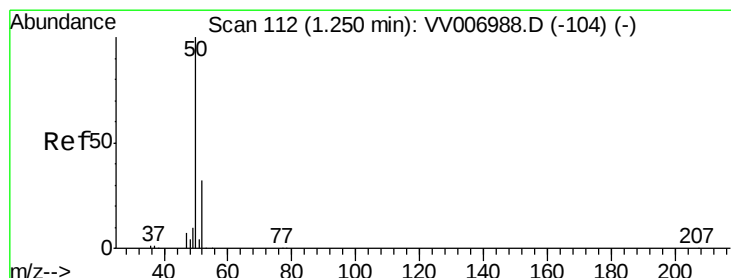
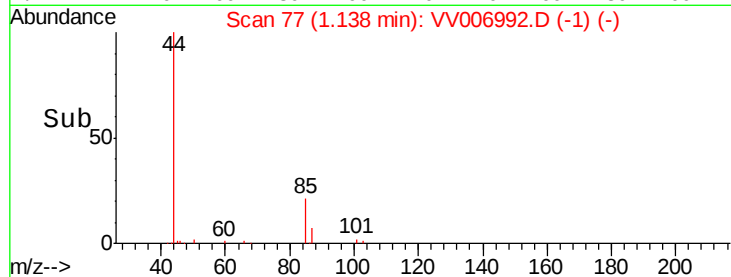
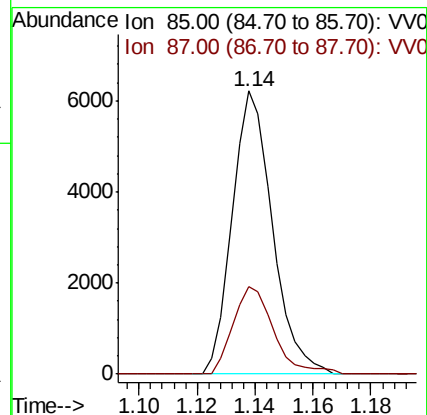
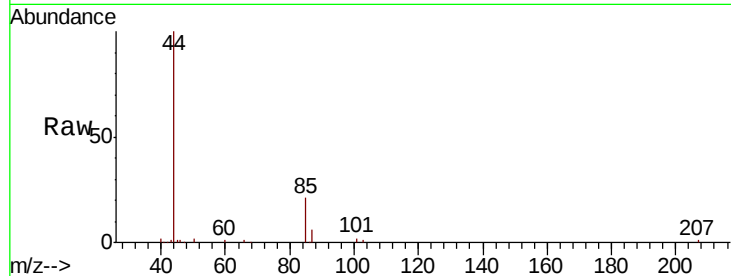
MDL03

Tot Ion: 85 Resp: 5969

Ion Ratio Lower Upper

85 100

87 31.0 25.4 38.2



#3

Chloromethane

Concen: 0.267 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006992.D

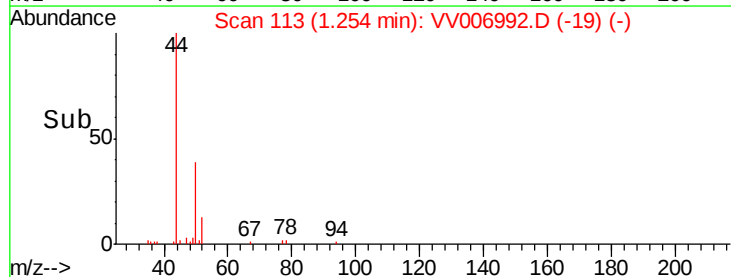
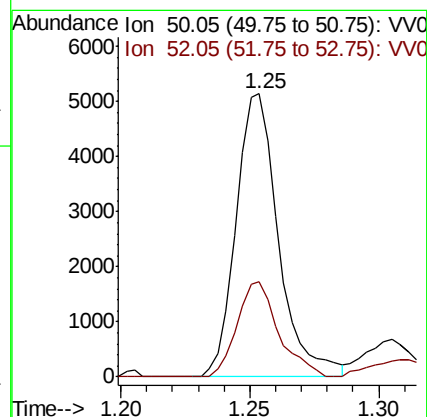
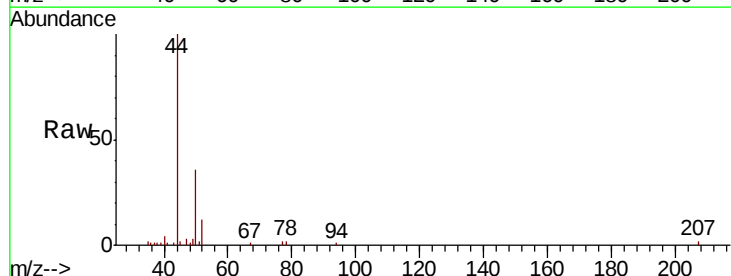
Acq: 10 Aug 2018 19:08

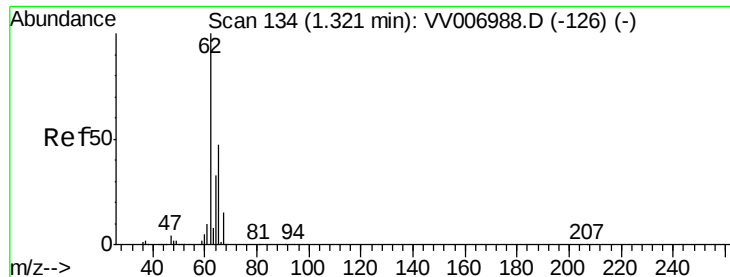
Tgt Ion: 50 Resp: 5915

Ion Ratio Lower Upper

50 100

52 33.8 23.6 43.8





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampled :

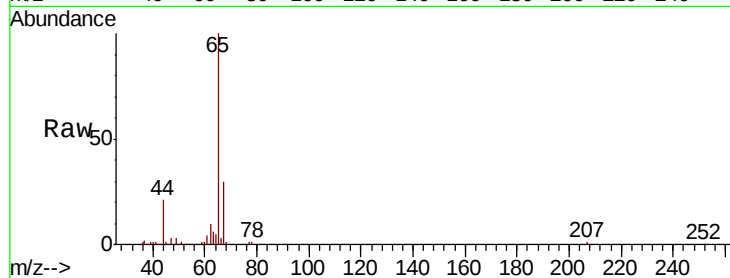
MDL03

Tot Ion: 62 Resp: 5449

Ion Ratio Lower Upper

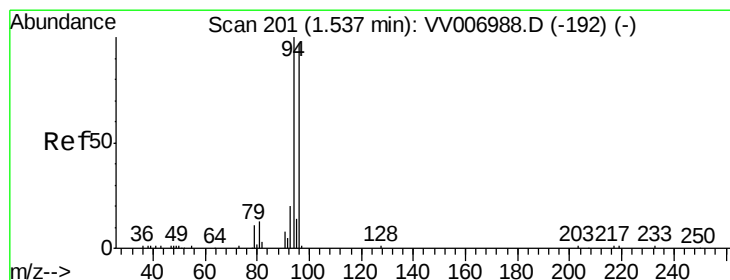
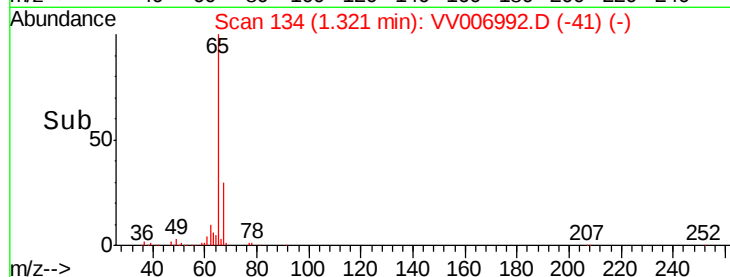
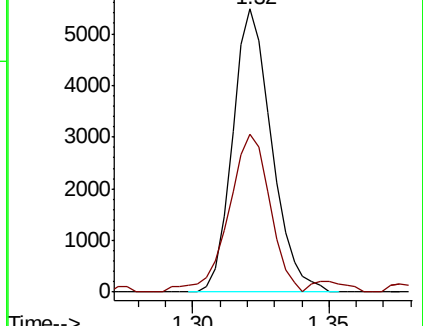
62 100

64 55.9 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VV006988.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006992.D (-108) (-)



#6

Bromomethane

Concen: 0.303 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006992.D

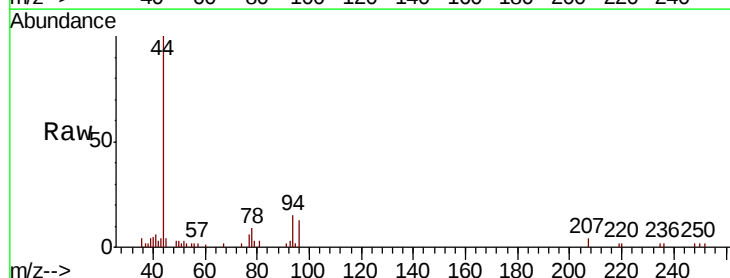
Acq: 10 Aug 2018 19:08

Tgt Ion: 94 Resp: 1504

Ion Ratio Lower Upper

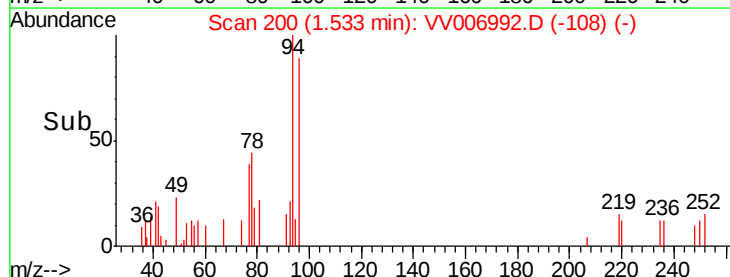
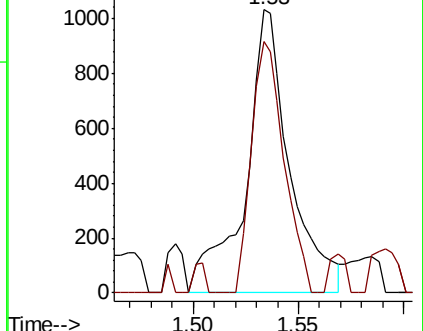
94 100

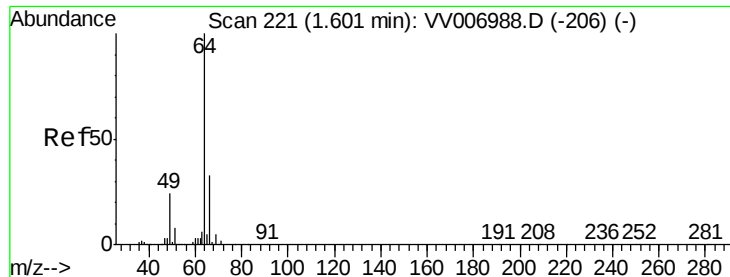
96 88.6 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV006988.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV006992.D (-108) (-)





#8

Chloroethane

Concen: 0.264 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

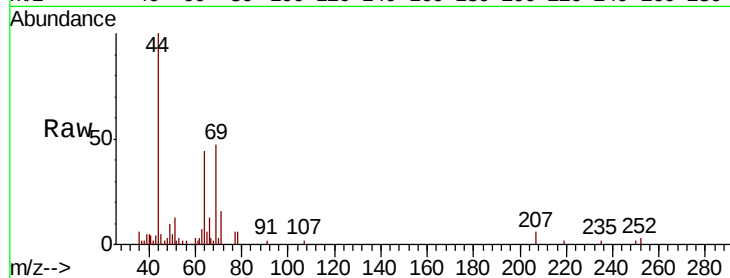
MDL03

Tot Ion: 64 Resp: 3659

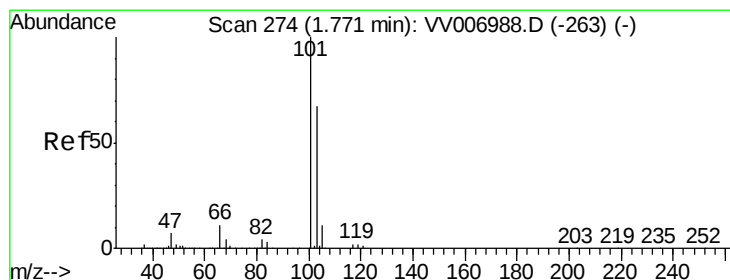
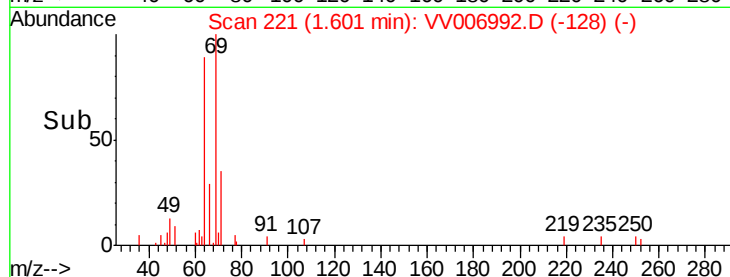
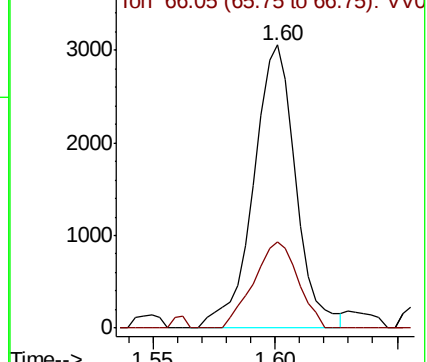
Ion Ratio Lower Upper

64 100

66 30.4 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006988.D (-206) (-)



#9

Trichlorofluoromethane

Concen: 0.263 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006992.D

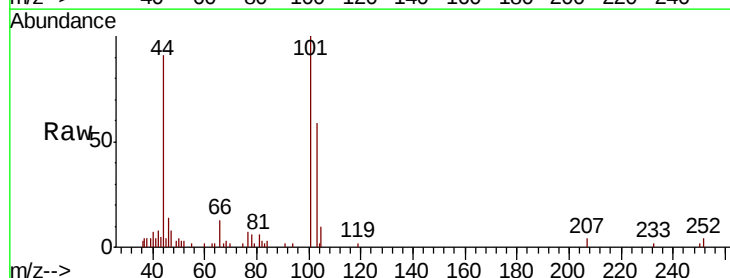
Acq: 10 Aug 2018 19:08

Tgt Ion: 101 Resp: 7664

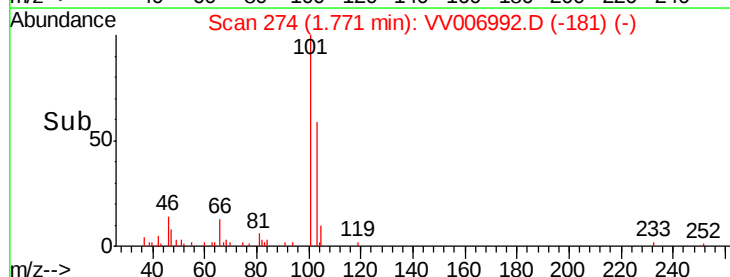
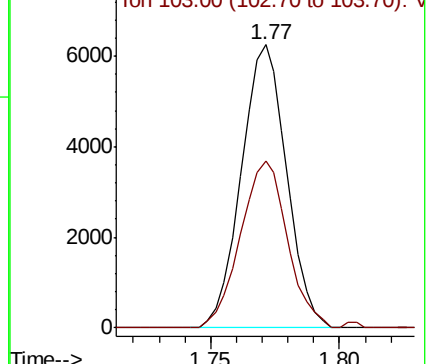
Ion Ratio Lower Upper

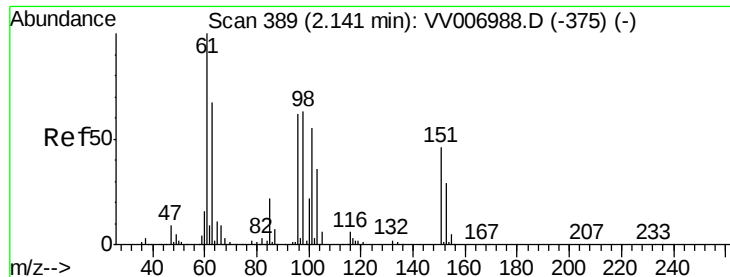
101 100

103 61.3 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006988.D (-263) (-)





#10

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

Concen: 0.290 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

MDL03

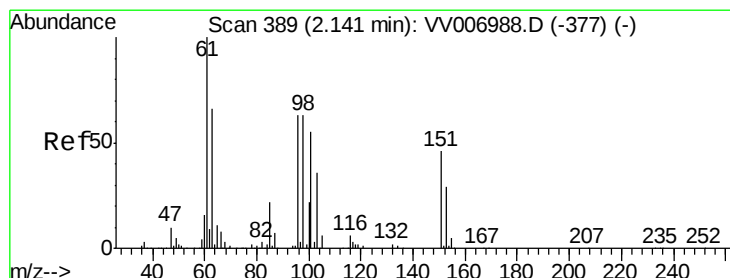
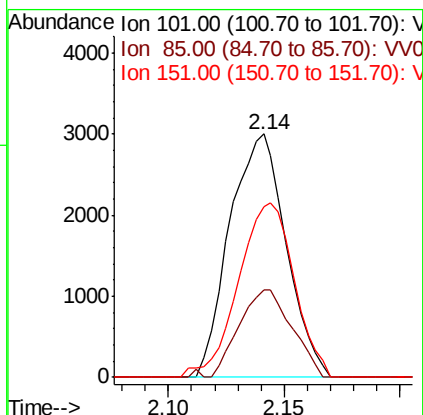
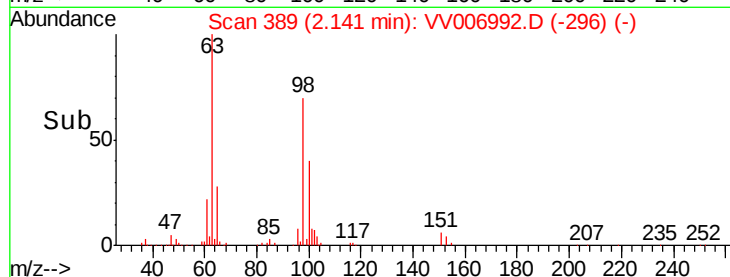
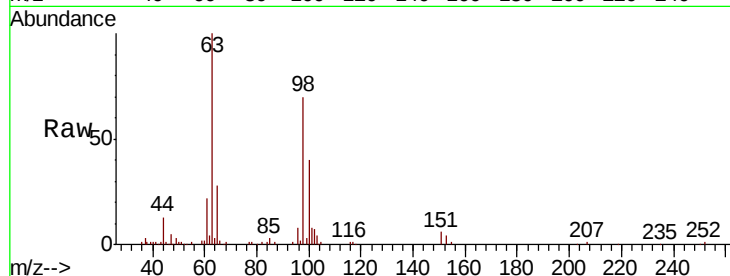
Tot Ion:101 Resp: 5060

Ion Ratio Lower Upper

101 100

85 33.6 33.9 50.9#

151 70.8 64.1 96.1



#12

1,1-Dichloroethene

Concen: 0.304 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

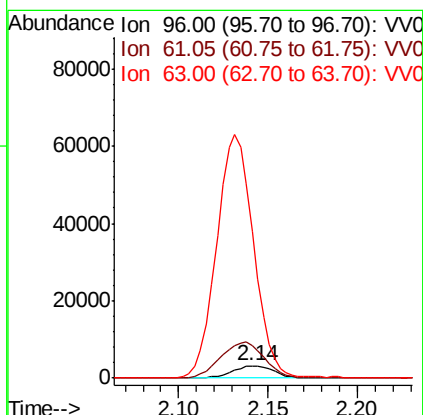
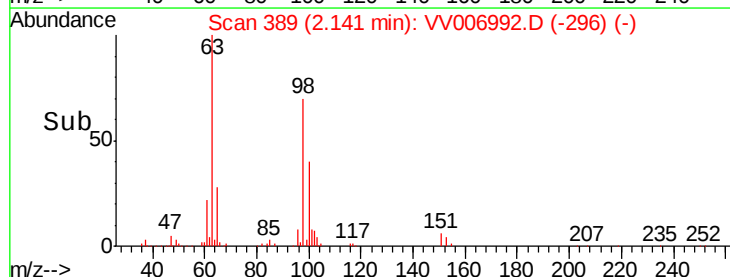
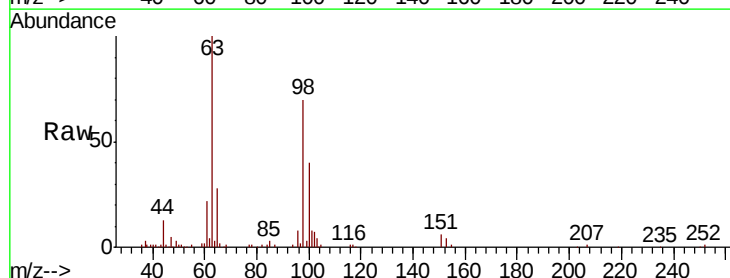
Tgt Ion: 96 Resp: 5145

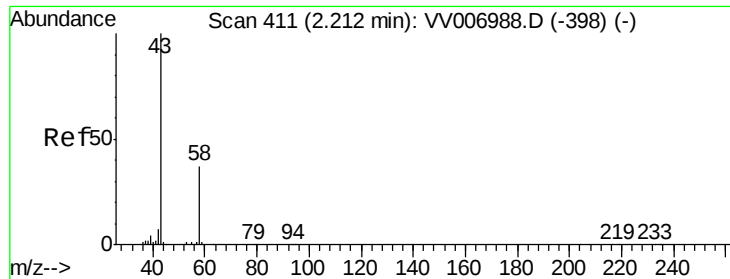
Ion Ratio Lower Upper

96 100

61 273.7 111.6 207.4#

63 1230.3 84.9 157.7#





#13

Acetone

Concen: 3.296 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

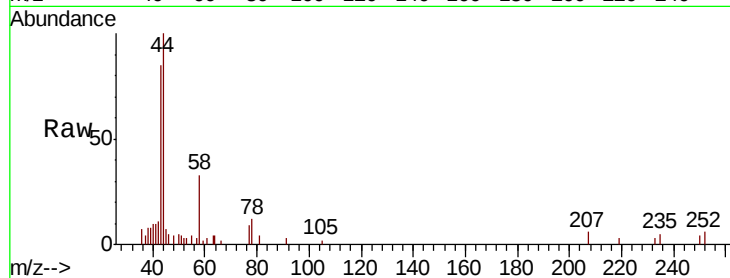
MDL03

Tot Ion: 43 Resp: 7436

Ion Ratio Lower Upper

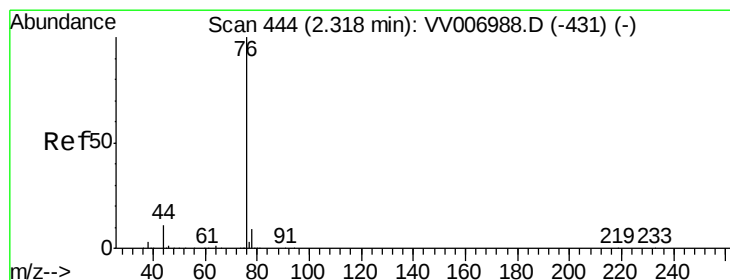
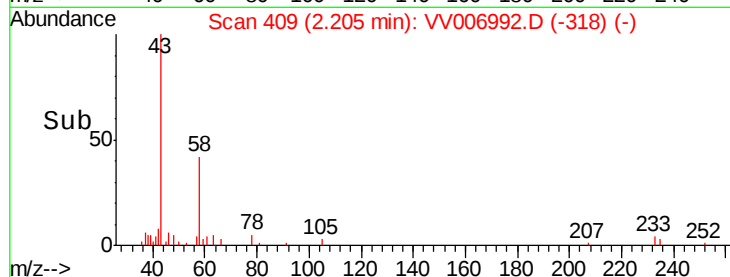
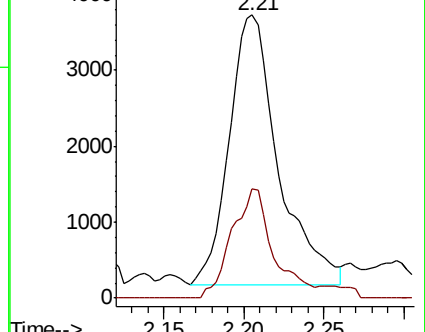
43 100

58 34.3 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.246 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006992.D

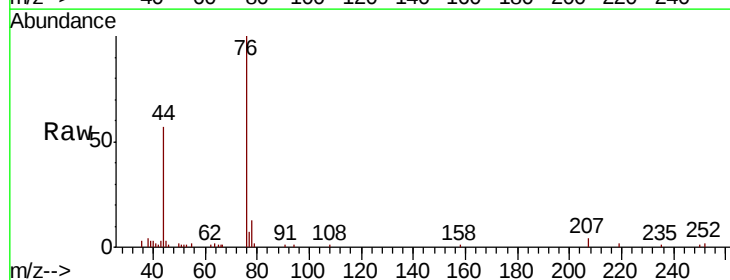
Acq: 10 Aug 2018 19:08

Tgt Ion: 76 Resp: 13780

Ion Ratio Lower Upper

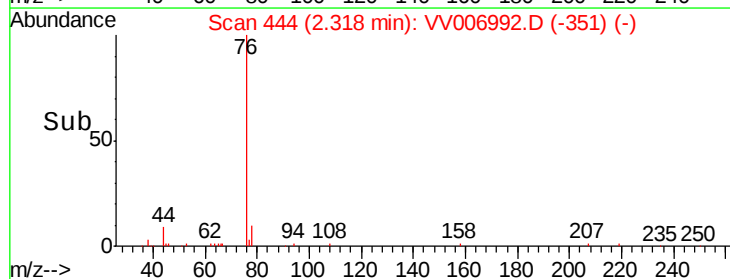
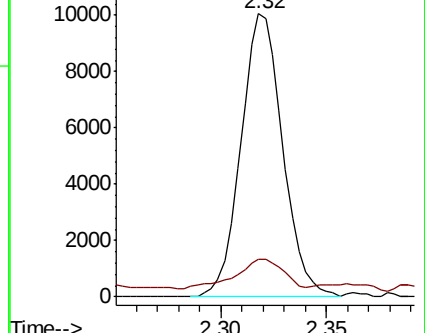
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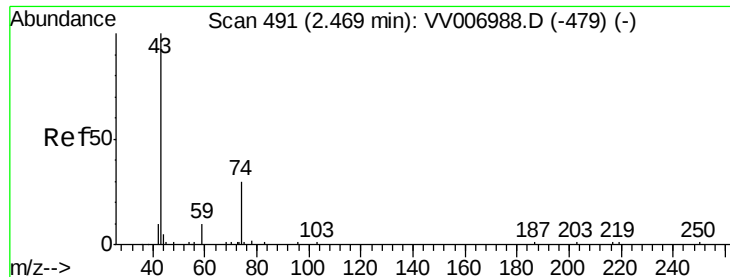
78 13.4 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

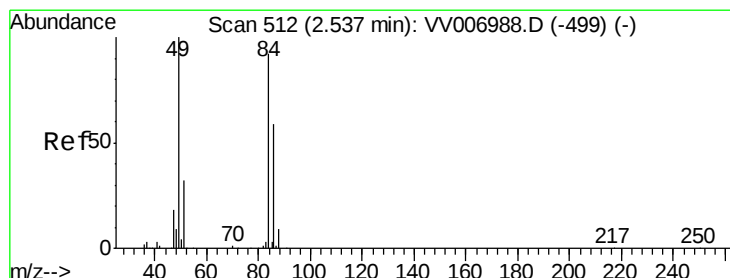
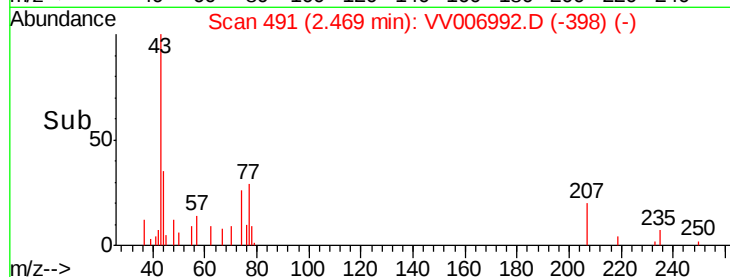
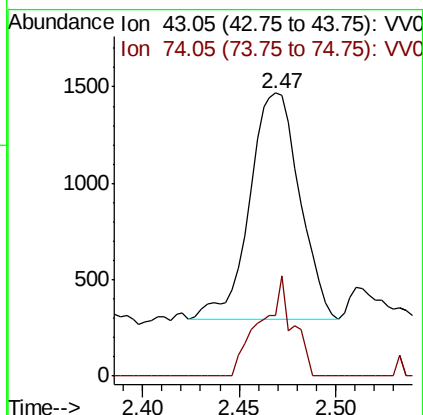
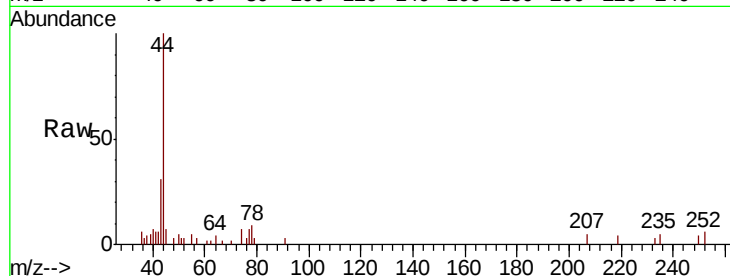




#15
Methvl Acetate
Concen: 0.334 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

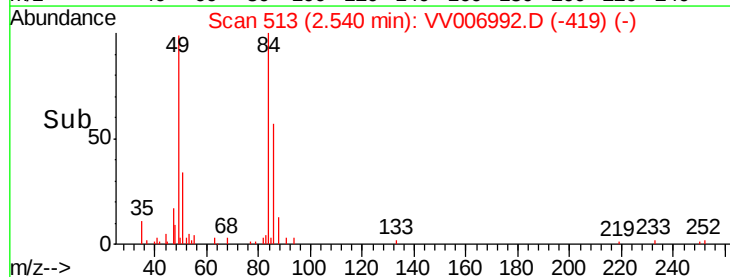
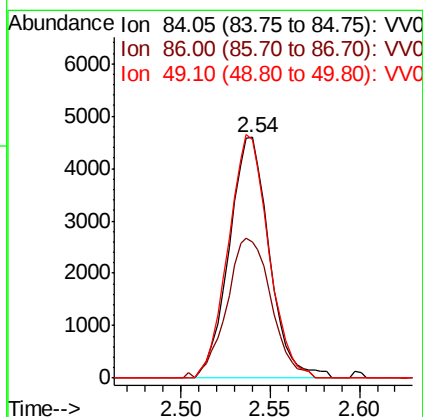
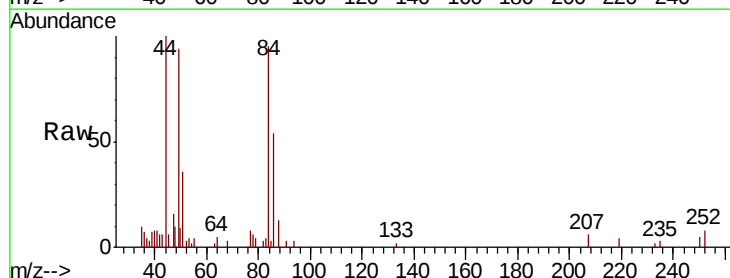
Instrument :
MSVOA_V
ClientSampleId :
MDL03

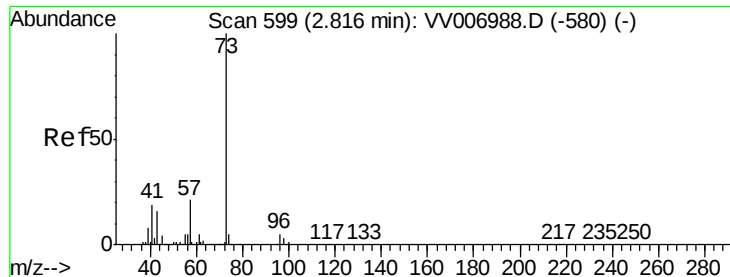
Tot Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
74 28.3 24.6 37.0



#16
Methylene chloride
Concen: 0.354 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Tgt Ion: 84 Resp: 7228
Ion Ratio Lower Upper
84 100
86 56.6 45.7 84.9
49 99.1 78.8 146.4



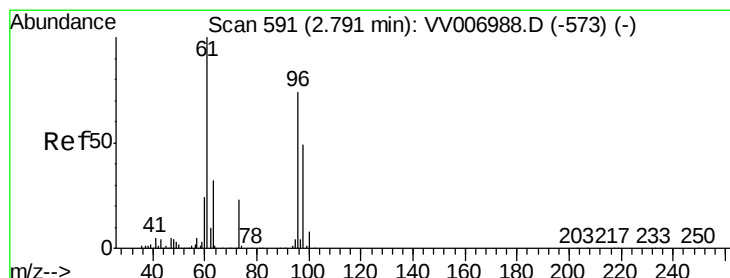
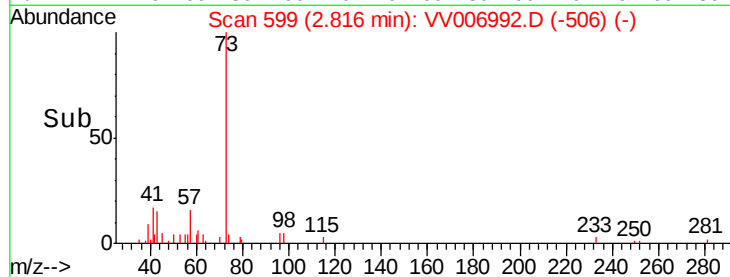
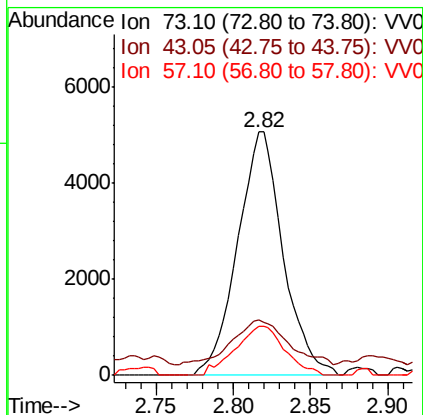
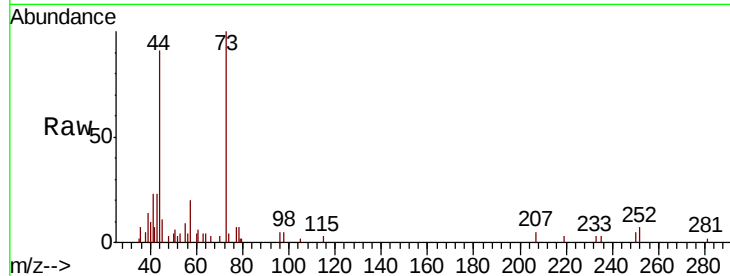


#17

Methvl tert-butvl Ether
 Concen: 0.255 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

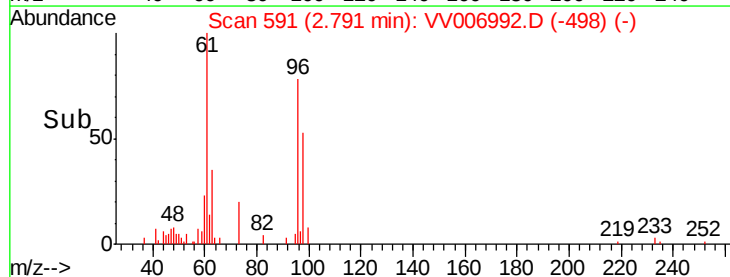
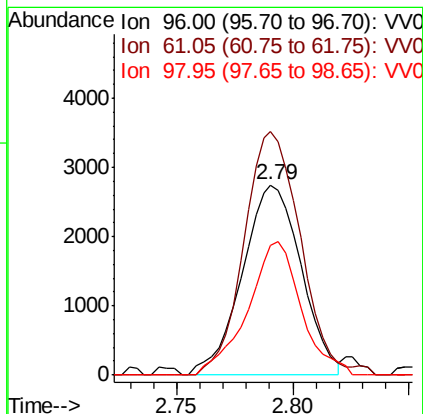
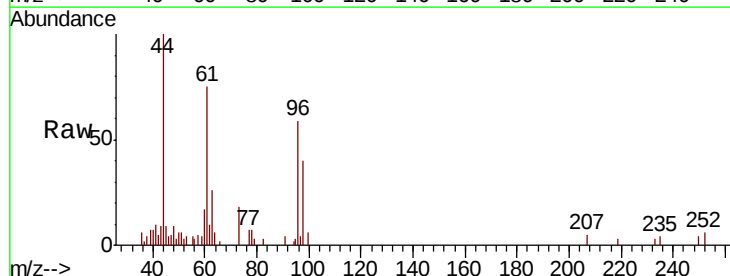
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.4	14.4	21.6#
57	22.0	17.9	26.9

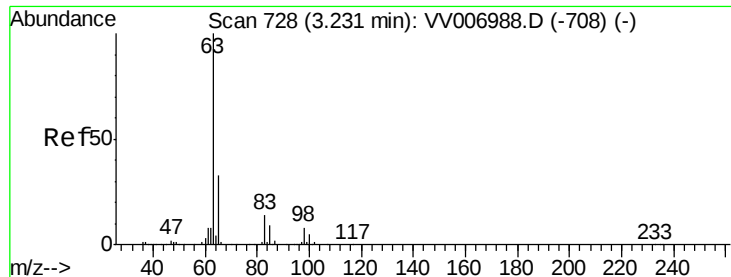


#18

trans-1,2-Dichloroethene
 Concen: 0.267 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.8	91.1	169.3
98	68.1	43.5	80.9





#19

1,1-Dichloroethane

Concen: 0.249 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampled :

MDL03

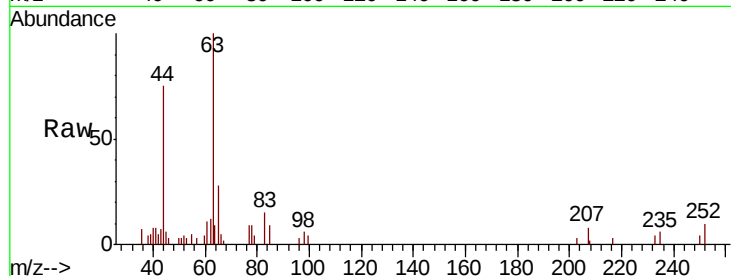
Tot Ion: 63 Resp: 8161

Ion Ratio Lower Upper

63 100

65 28.1 21.7 40.3

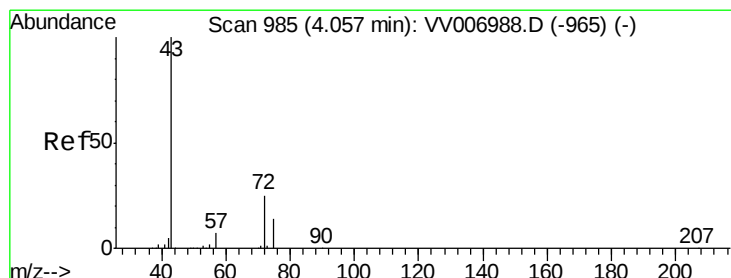
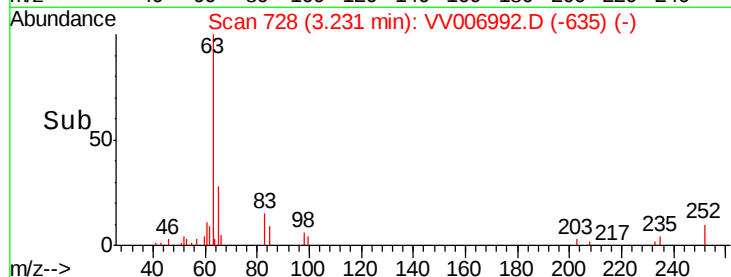
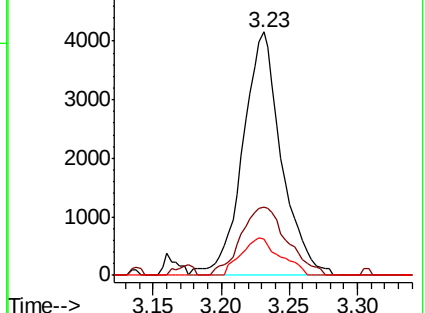
83 14.9 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV006992.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006992.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006992.D (-635) (-)



#21

2-Butanone

Concen: 2.421 ug/L

RT: 4.06 min Scan# 985

Delta R.T. -0.00 min

Lab File: VV006992.D

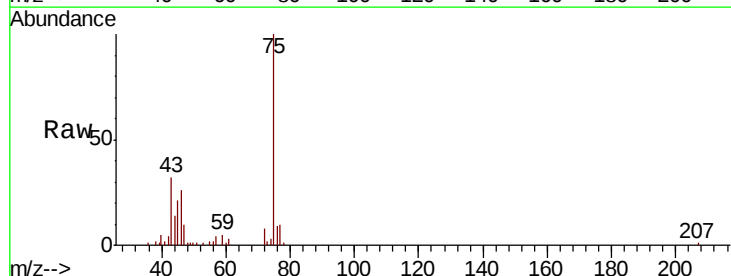
Acq: 10 Aug 2018 19:08

Tgt Ion: 43 Resp: 11861

Ion Ratio Lower Upper

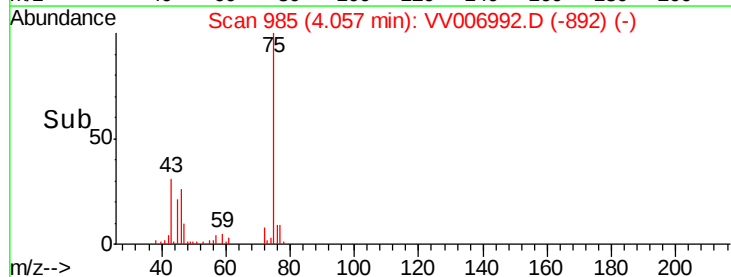
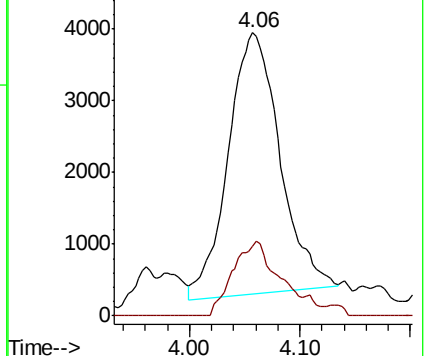
43 100

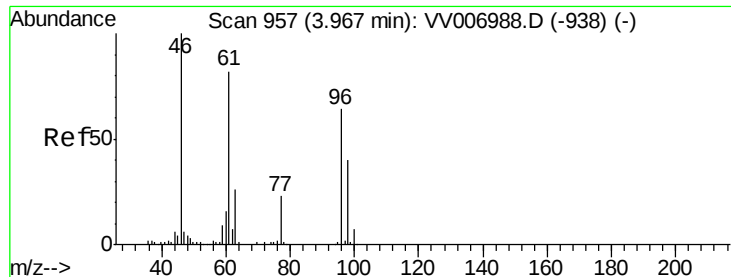
72 24.8 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV006992.D (-892) (-)

Ion 72.10 (71.80 to 72.80): VV006992.D (-892) (-)



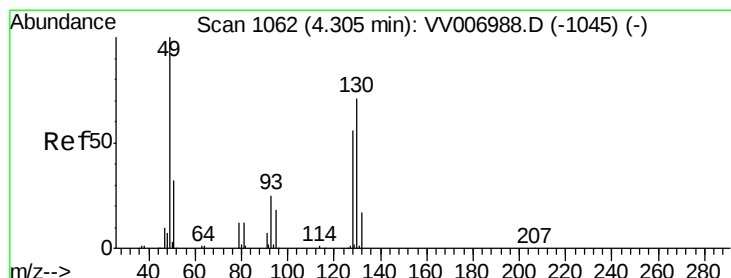
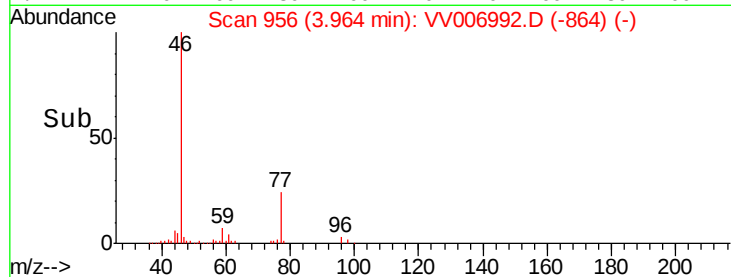
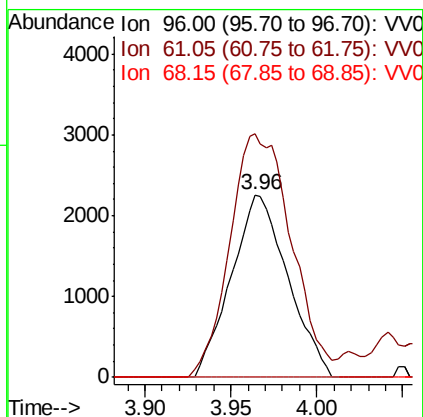
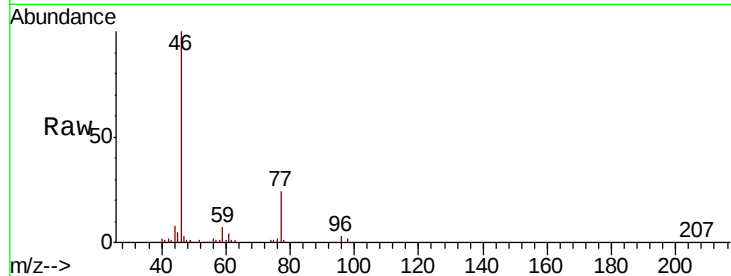


#22

cis-1,2-Dichloroethene
Concen: 0.250 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Instrument :
MSVOA_V
ClientSampleId :
MDL03

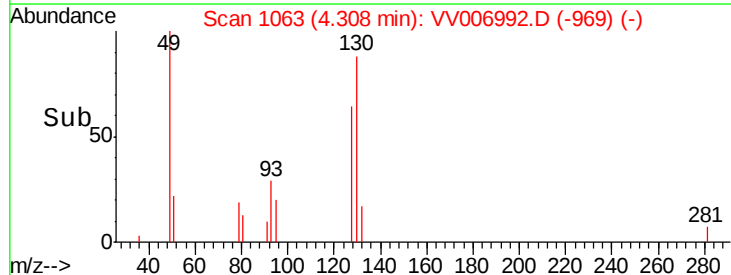
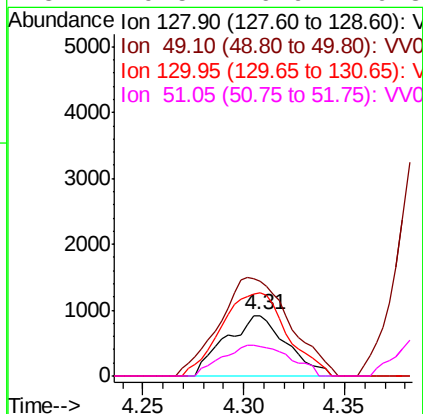
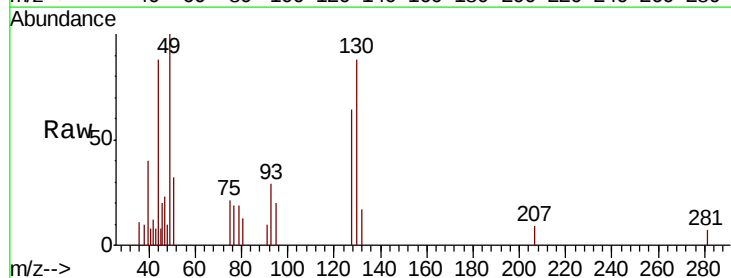
Tot Ion: 96 Resp: 5153
Ion Ratio Lower Upper
96 100
61 133.3 91.1 169.1
68 0.0 0.0 0.0

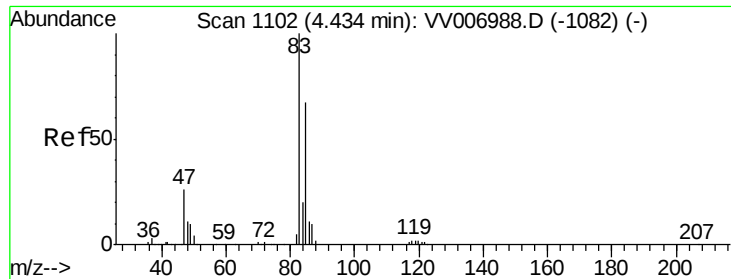


#23

Bromochloromethane
Concen: 0.230 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Tgt Ion:128 Resp: 1934
Ion Ratio Lower Upper
128 100
49 155.9 138.6 257.4
130 136.5 90.0 167.2
51 49.5 46.9 70.3

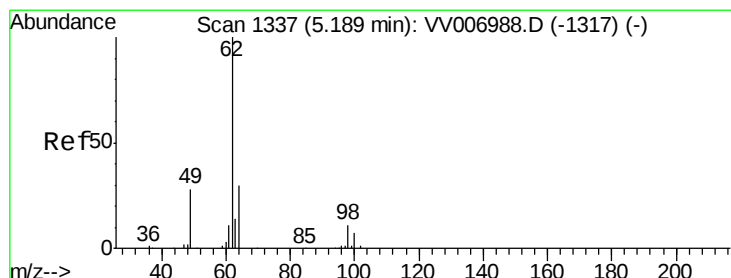
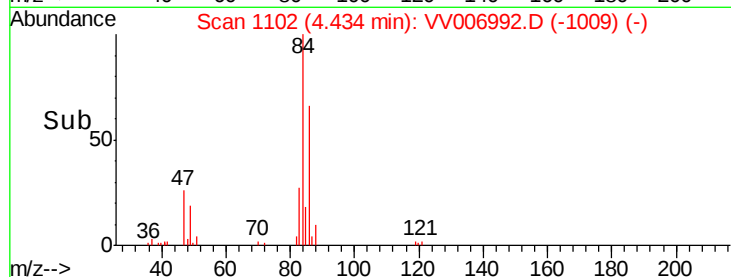
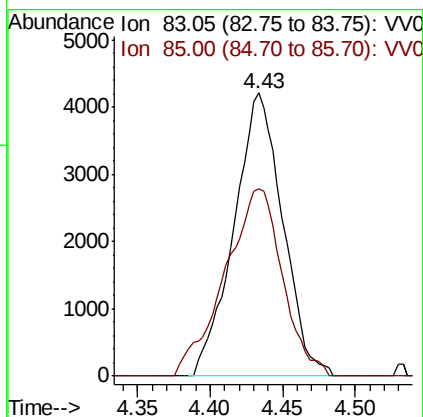
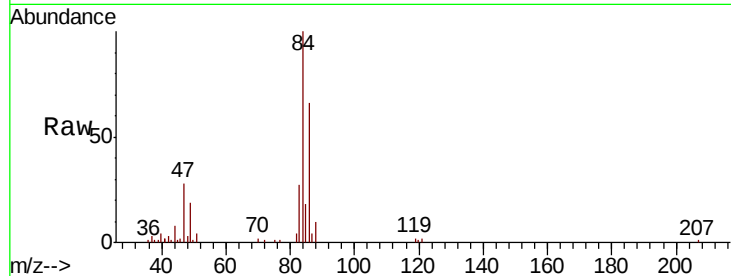




#25
Chloroform
Concen: 0.276 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

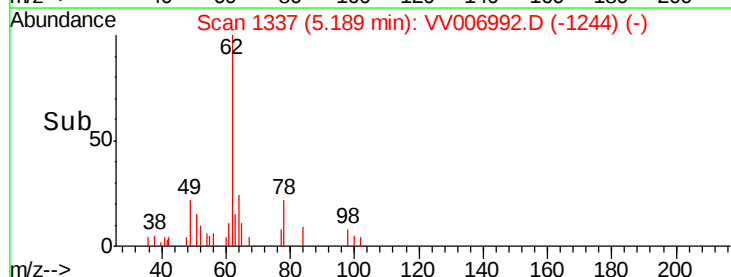
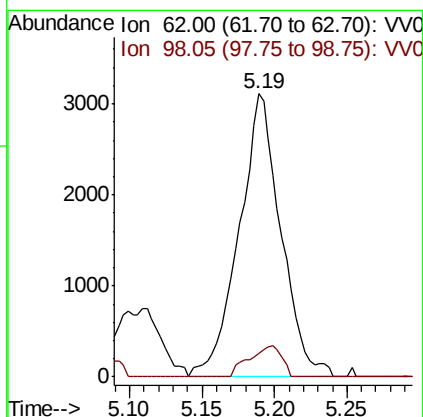
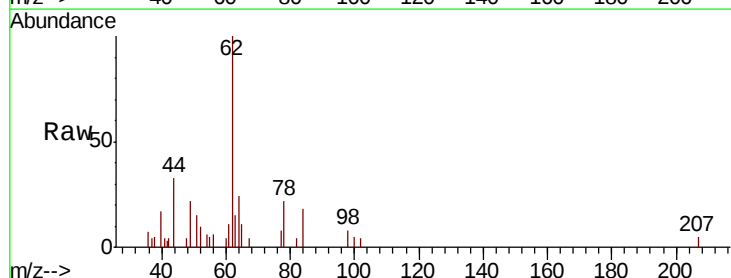
Instrument :
MSVOA_V
ClientSampleId :
MDL03

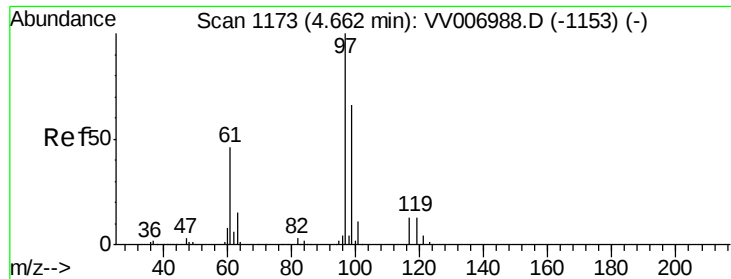
Tot Ion: 83 Resp: 9879
Ion Ratio Lower Upper
83 100
85 66.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.279 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Tgt Ion: 62 Resp: 6237
Ion Ratio Lower Upper
62 100
98 8.4 7.6 11.4

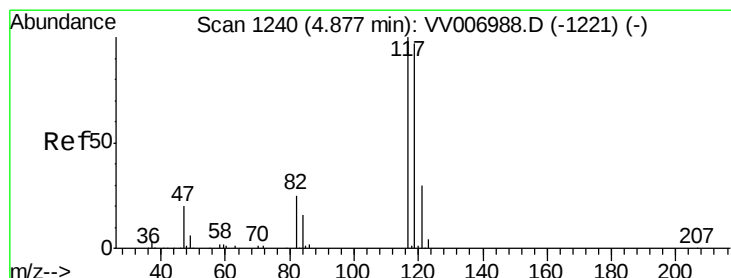
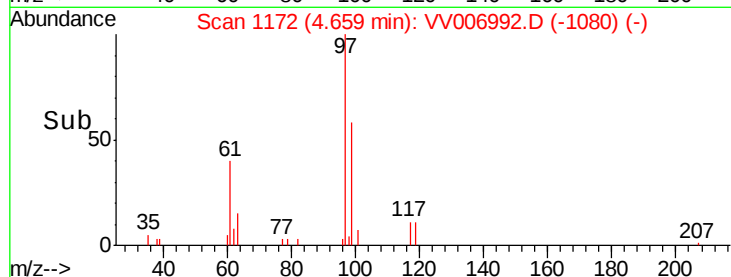
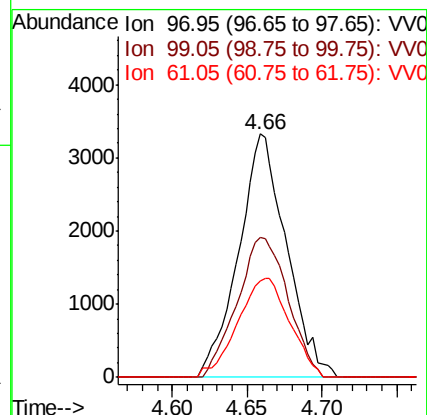
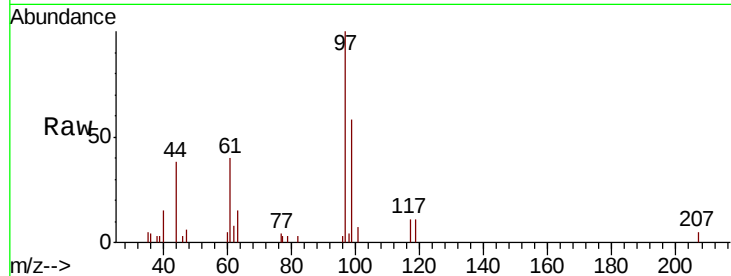




#29
 1,1,1-Trichloroethane
 Concen: 0.243 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

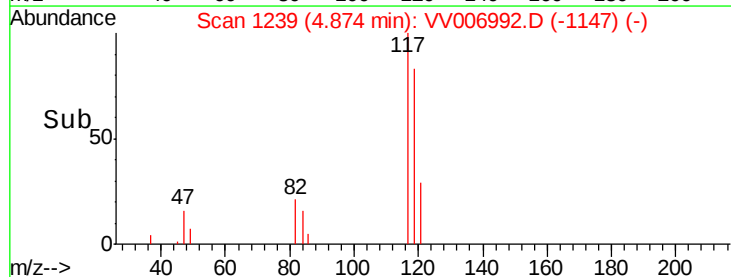
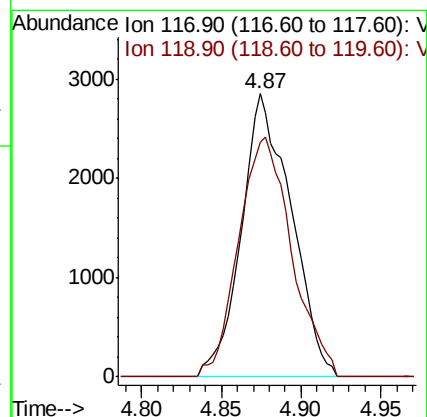
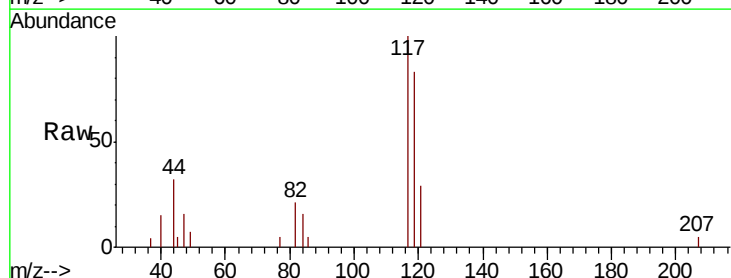
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

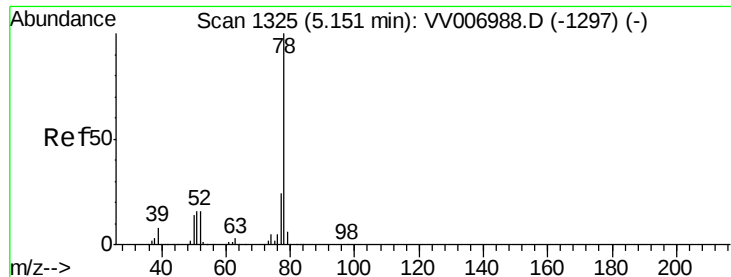
Tot Ion: 97 Resp: 7394
 Ion Ratio Lower Upper
 97 100
 99 61.0 51.0 76.6
 61 44.2 36.6 54.8



#31
 Carbon tetrachloride
 Concen: 0.237 ug/L
 RT: 4.87 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Tgt Ion: 117 Resp: 6070
 Ion Ratio Lower Upper
 117 100
 119 90.4 76.2 114.4





#33

Benzene

Concen: 0.241 ug/L

RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

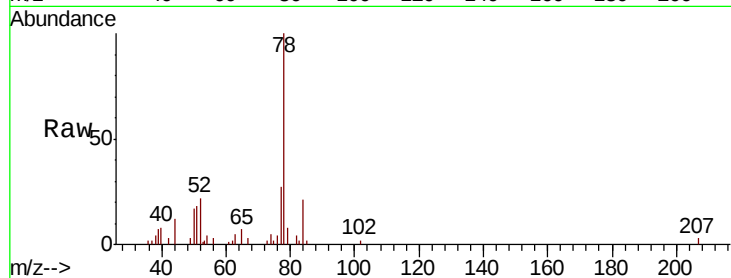
Instrument :

MSVOA_V

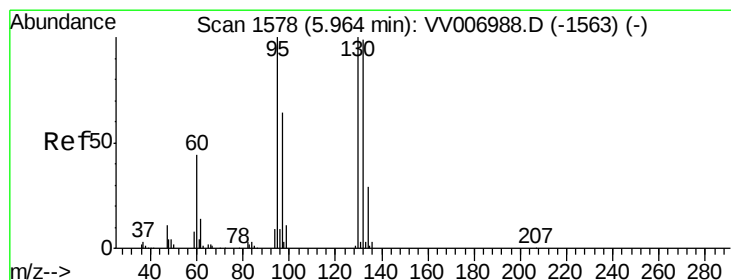
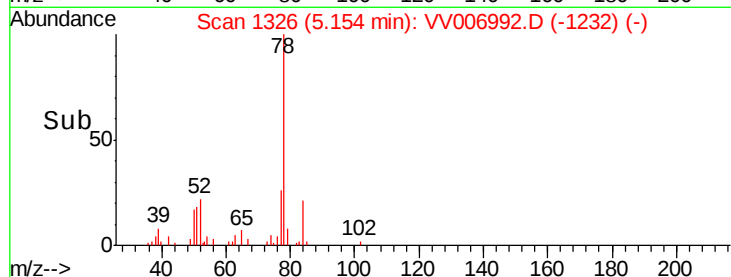
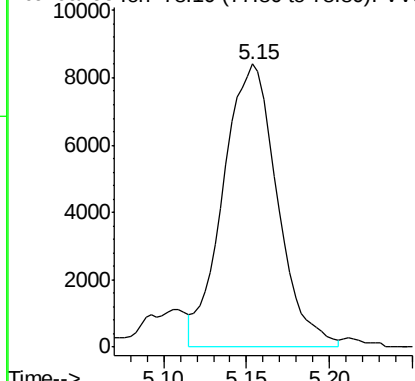
ClientSampleId :

MDL03

Tgt Ion: 78 Resp: 19088



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.229 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Tgt Ion: 95 Resp: 4346

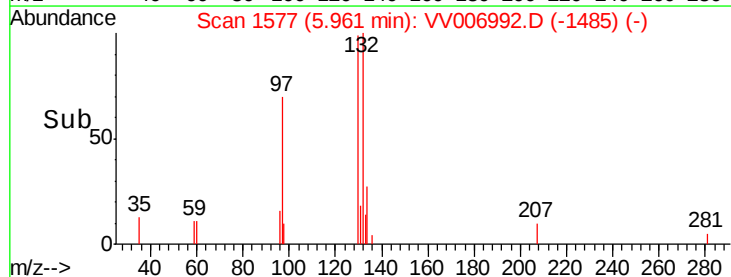
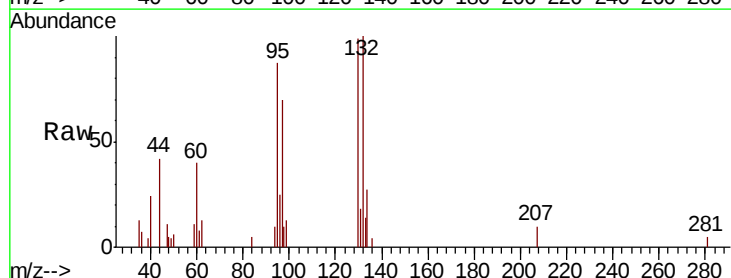
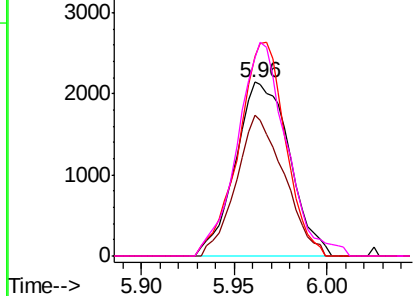
Ion	Ratio	Lower	Upper
95	100		
97	80.9	44.8	83.2
132	114.8	65.5	121.6
130	114.2	66.4	123.4

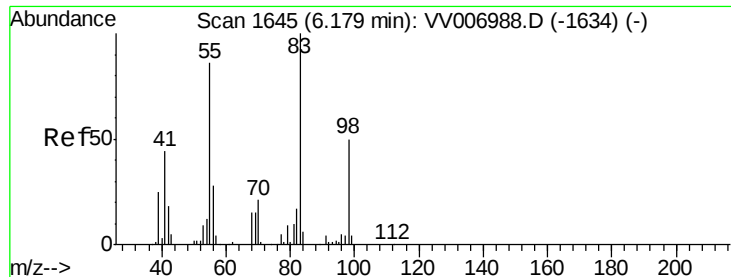
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

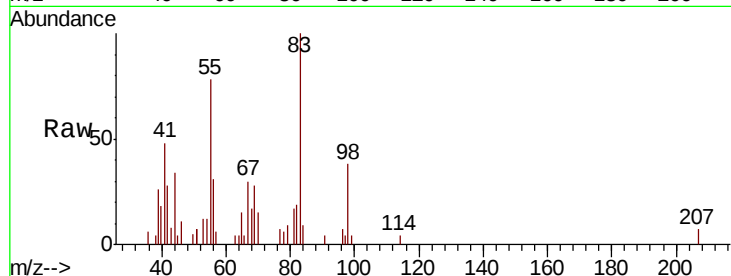




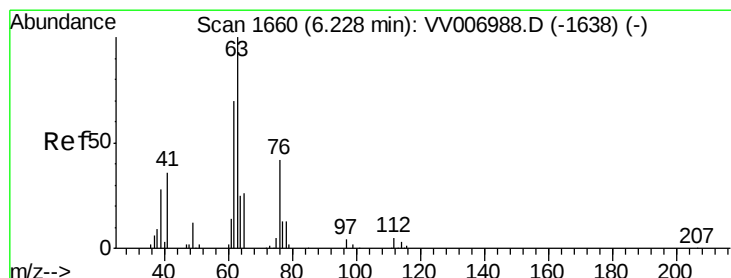
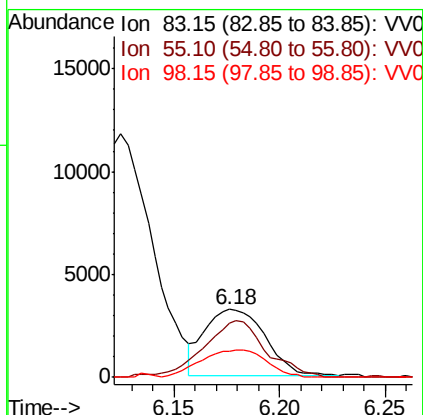
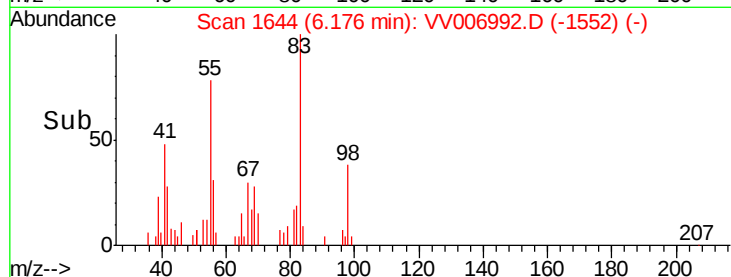
#35
Methvlcvclohexane
Concen: 0.212 ug/L
RT: 6.18 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 83 Resp: 6449
Ion Ratio Lower Upper
83 100
55 87.8 68.1 102.1
98 44.7 37.9 56.9

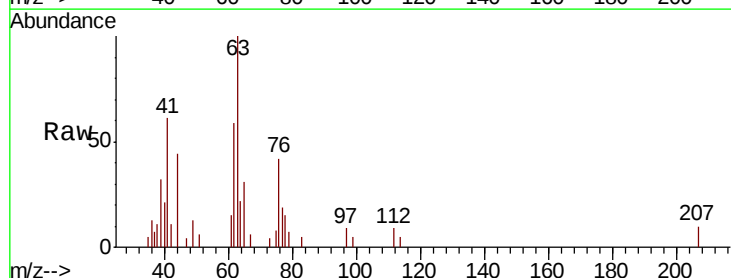


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

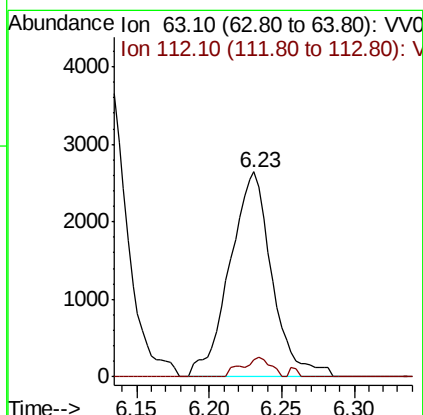
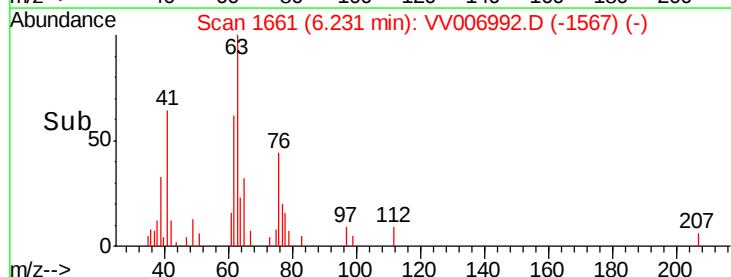


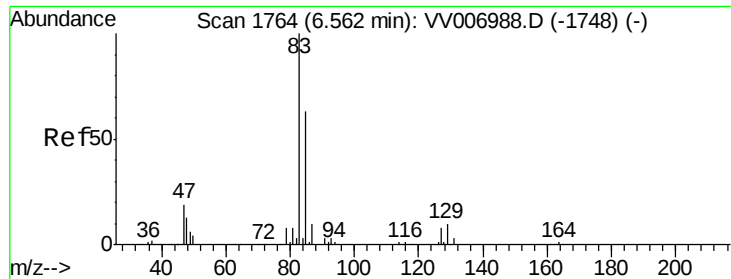
#37
1,2-Dichloropropane
Concen: 0.246 ug/L
RT: 6.23 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Tgt Ion: 63 Resp: 5339
Ion Ratio Lower Upper
63 100
112 6.3 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

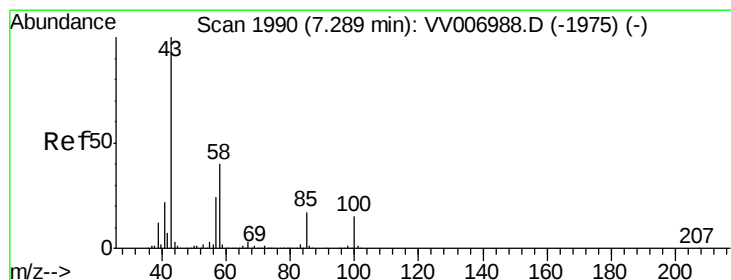
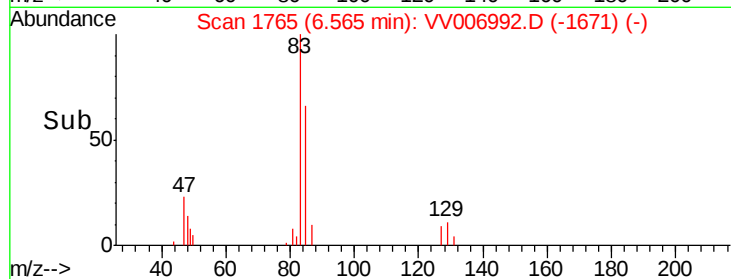
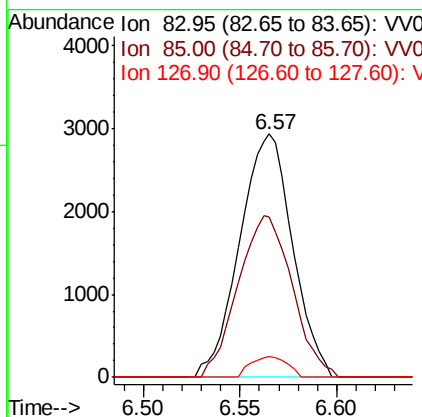
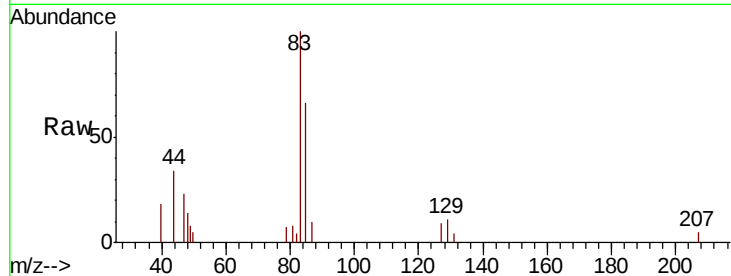




#38
 Bromodichloromethane
 Concen: 0.227 ug/L
 RT: 6.57 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

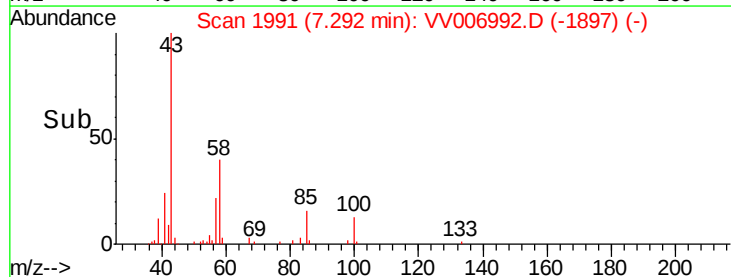
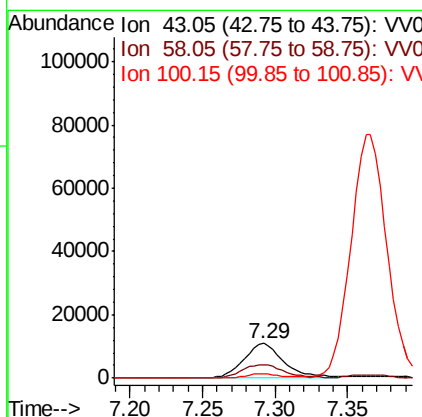
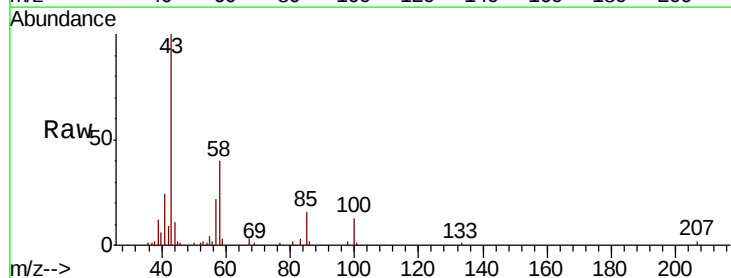
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

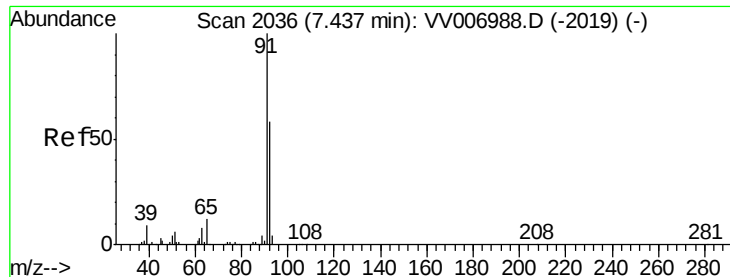
Tot Ion: 83 Resp: 5582
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.8 81.4
 127 8.6 6.6 10.0



#40
 4-Methyl-2-pentanone
 Concen: 1.812 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Tgt Ion: 43 Resp: 21227
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.7 46.1
 100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.214 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

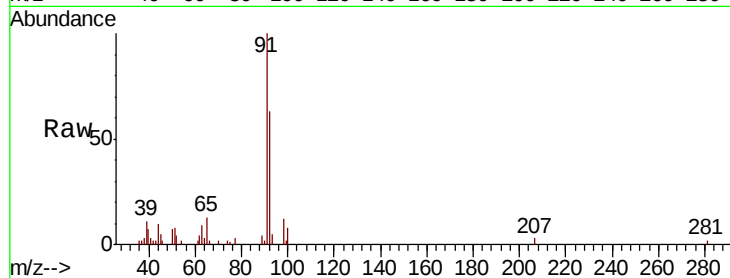
MDL03

Tot Ion: 91 Resp: 16269

Ion Ratio Lower Upper

91 100

92 63.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VV006992.D (-1943) (-)

7.44

10000

8000

6000

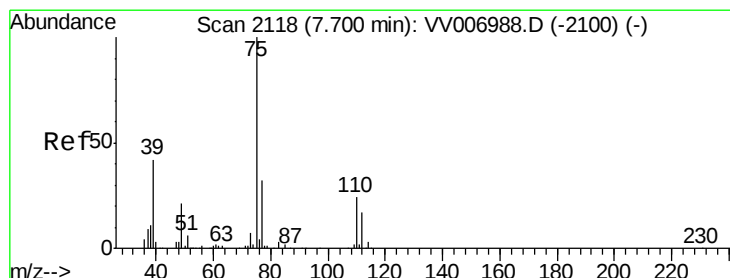
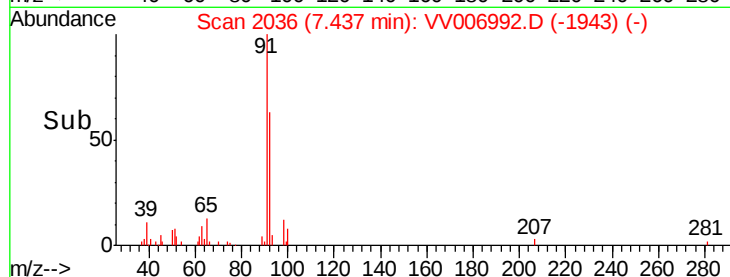
4000

2000

0

7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.269 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006992.D

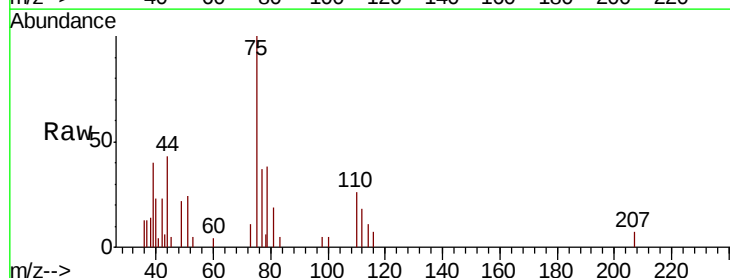
Acq: 10 Aug 2018 19:08

Tgt Ion: 75 Resp: 5778

Ion Ratio Lower Upper

75 100

77 37.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV006988.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006992.D (-2025) (-)

7.70

2500

2000

1500

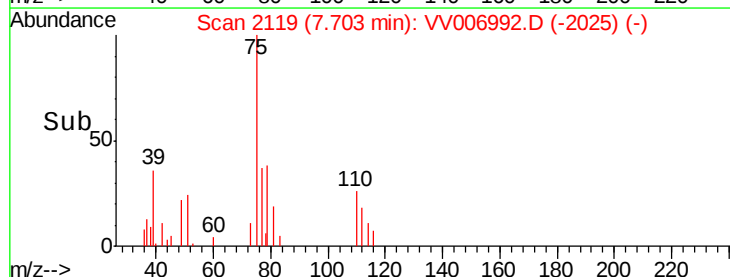
1000

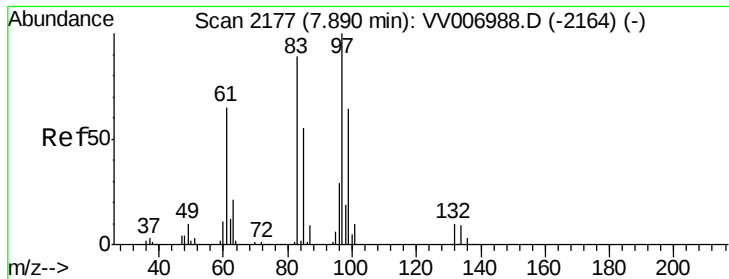
500

0

7.60 7.65 7.70 7.75

Time-->

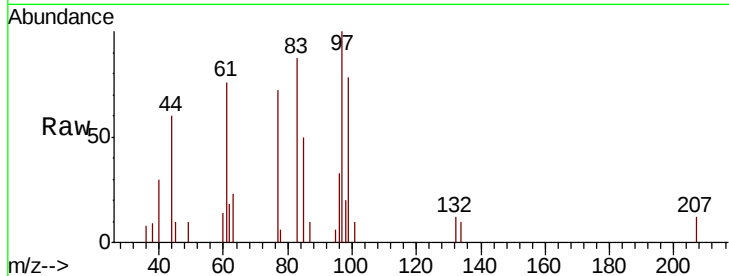




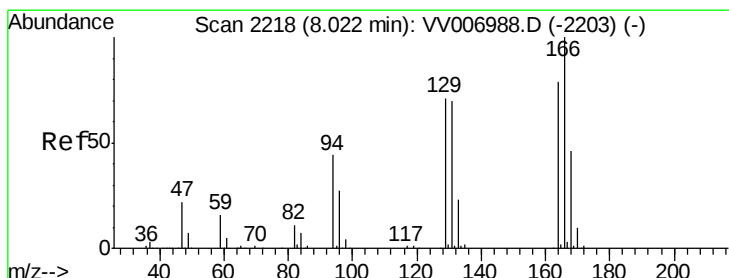
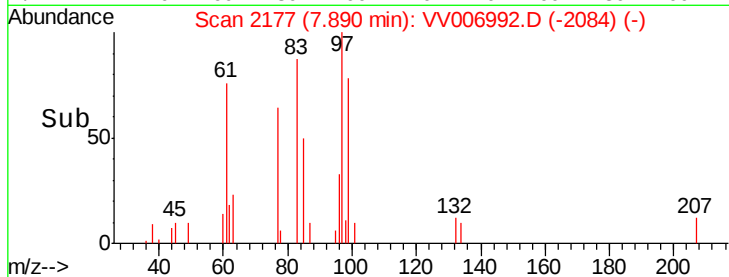
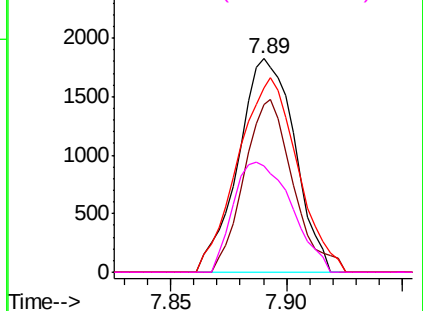
#45
 1,1,2-Trichloroethane
 Concen: 0.219 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:	97	Resp:	3085
Ion	Ratio	Lower	Upper
97	100		
99	78.4	40.6	75.4#
83	86.6	58.0	107.8
85	49.9	37.5	69.7

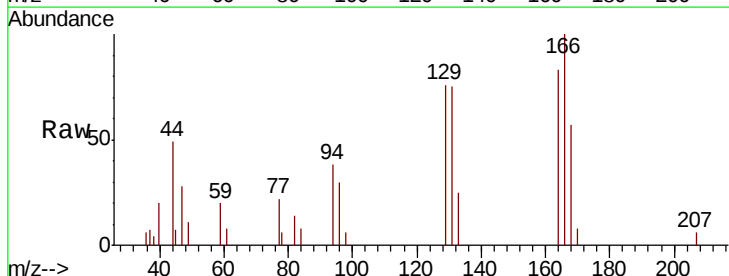


Abundance Ion 96.95 (96.65 to 97.65): VV006992.D (-2164) (-)
 Ion 99.05 (98.75 to 99.75): VV006992.D (-2164) (-)
 Ion 82.95 (82.65 to 83.65): VV006992.D (-2164) (-)
 Ion 85.00 (84.70 to 85.70): VV006992.D (-2164) (-)

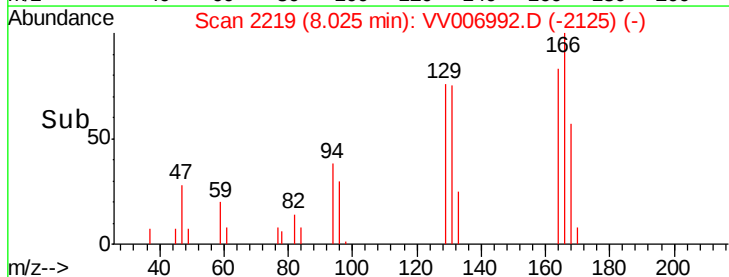
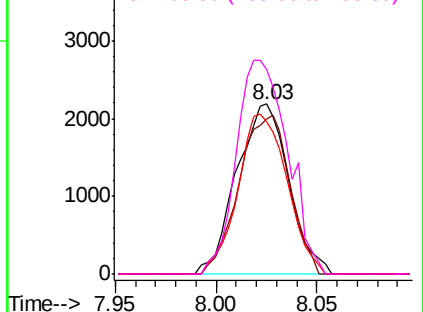


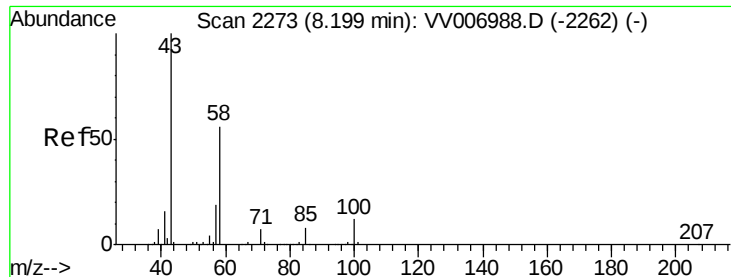
#47
 Tetrachloroethene
 Concen: 0.256 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Tgt Ion:	164	Resp:	3942
Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.9	122.3
131	89.9	64.2	119.2
166	120.4	89.4	166.0



Abundance Ion 163.90 (163.60 to 164.60): VV006992.D (-2215) (-)
 Ion 128.95 (128.65 to 129.65): VV006992.D (-2215) (-)
 Ion 130.95 (130.65 to 131.65): VV006992.D (-2215) (-)
 Ion 165.90 (165.60 to 166.60): VV006992.D (-2215) (-)

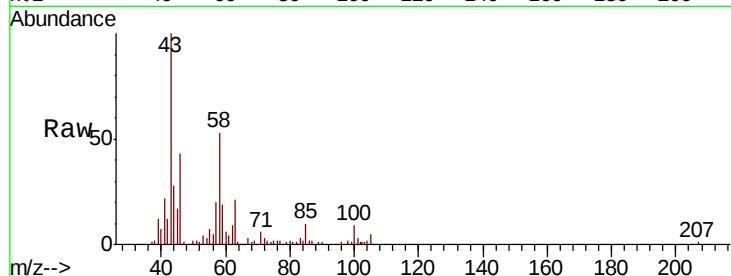




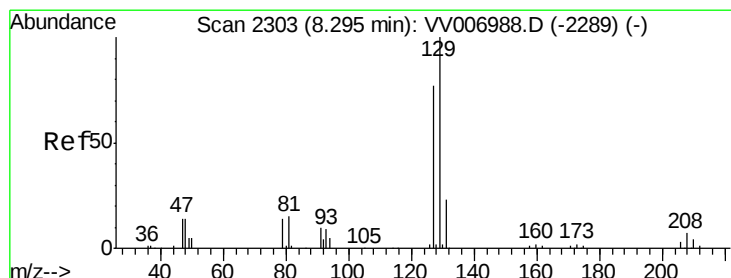
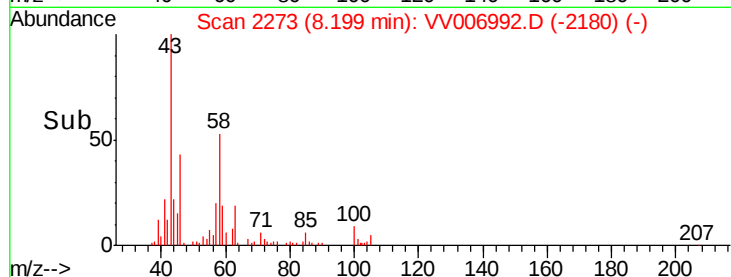
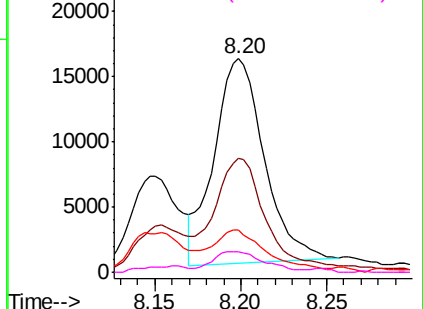
#48
2-Hexanone
Concen: 3.860 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	43	Resp:	31883
Ion	Ratio	Lower	Upper
43	100		
58	60.2	44.2	66.2
57	20.6	14.8	22.2
100	10.5	8.8	13.2

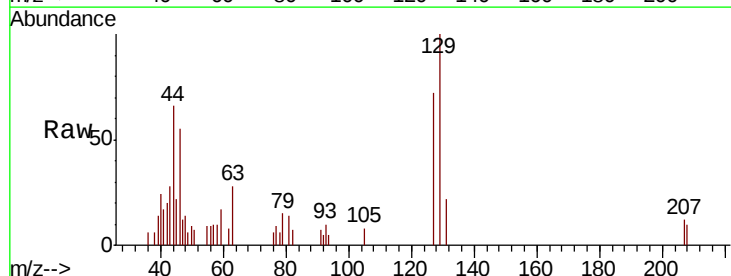


Abundance Ion 43.05 (42.75 to 43.75): VV006992.D (-2180) (-)
Ion 58.05 (57.75 to 58.75): VV006992.D (-2180) (-)
Ion 57.20 (56.90 to 57.90): VV006992.D (-2180) (-)
Ion 100.15 (99.85 to 100.85): VV006992.D (-2180) (-)

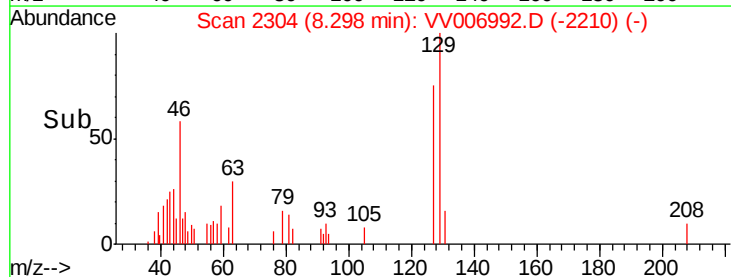
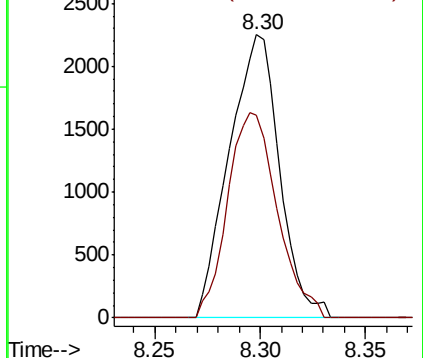


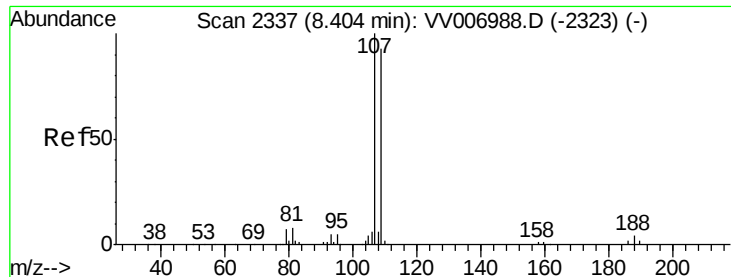
#49
Dibromochloromethane
Concen: 0.252 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006992.D
Acq: 10 Aug 2018 19:08

Tgt Ion:	129	Resp:	3731
Ion	Ratio	Lower	Upper
129	100		
127	71.8	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): VV006992.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006992.D (-2210) (-)





#50

1,2-Dibromoethane

Concen: 0.248 ug/L

RT: 8.40 min Scan# 2337

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

MDL03

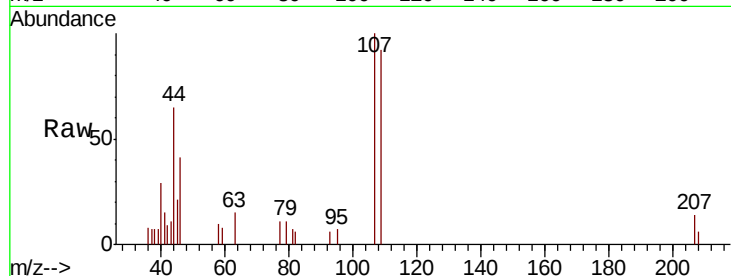
Tot Ion:107 Resp: 2950

Ion Ratio Lower Upper

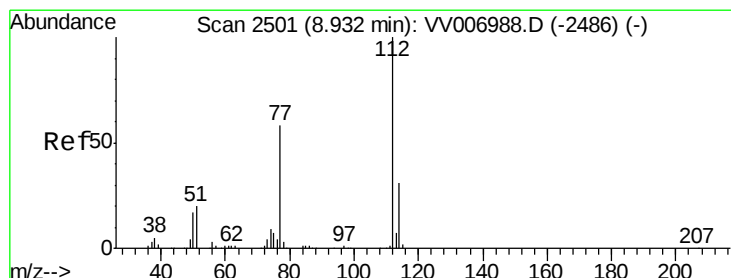
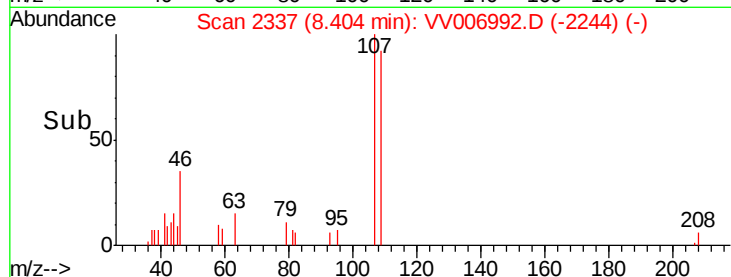
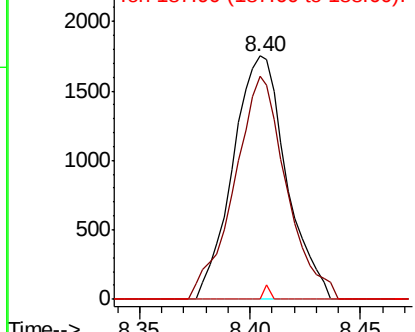
107 100

109 91.6 64.1 119.1

188 0.0 4.0 6.0#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.234 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

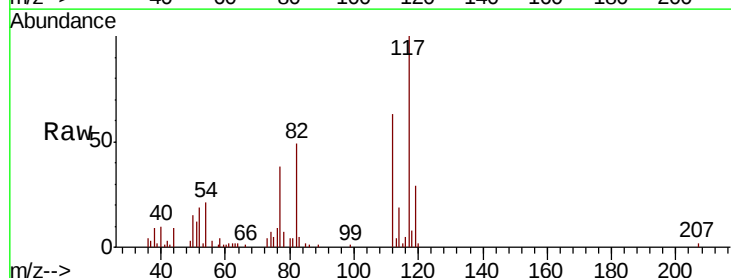
Tgt Ion:112 Resp: 11375

Ion Ratio Lower Upper

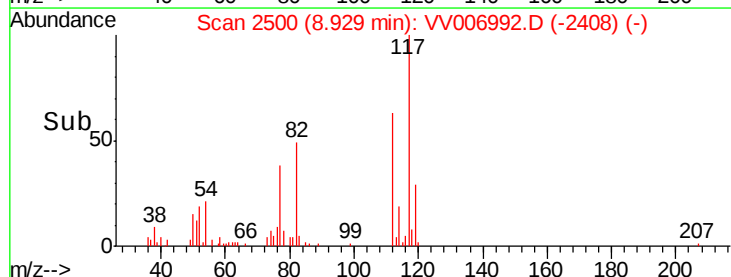
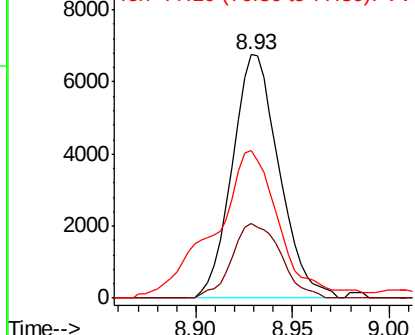
112 100

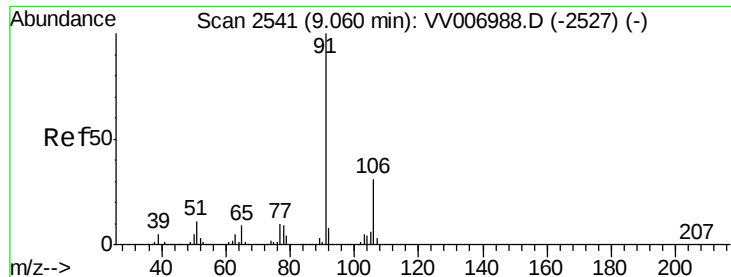
114 30.4 21.8 40.6

77 60.5 48.0 72.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.209 ug/L

RT: 9.06 min Scan# 2542

Delta R.T. 0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

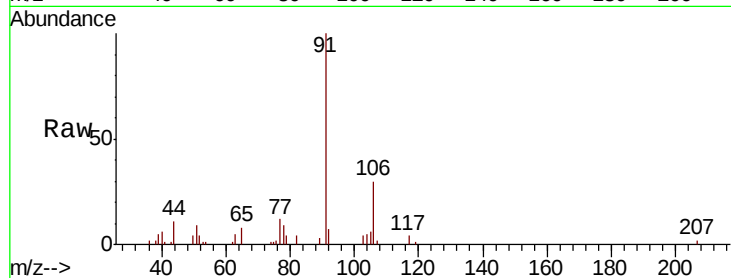
MDL03

Tot Ion: 91 Resp: 15921

Ion Ratio Lower Upper

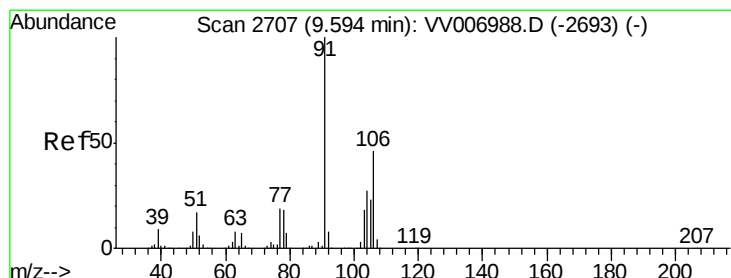
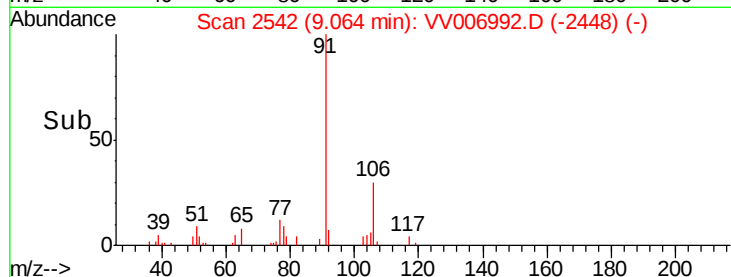
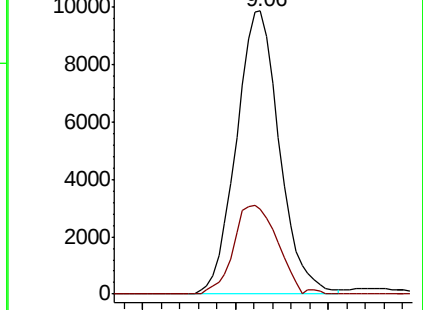
91 100

106 29.8 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006988.D (-2527) (-)



#54

o-xylene

Concen: 0.212 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006992.D

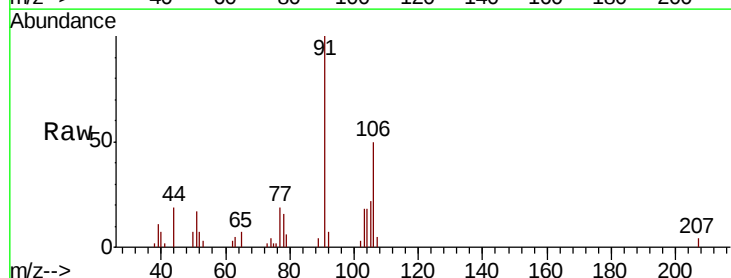
Acq: 10 Aug 2018 19:08

Tgt Ion: 106 Resp: 5697

Ion Ratio Lower Upper

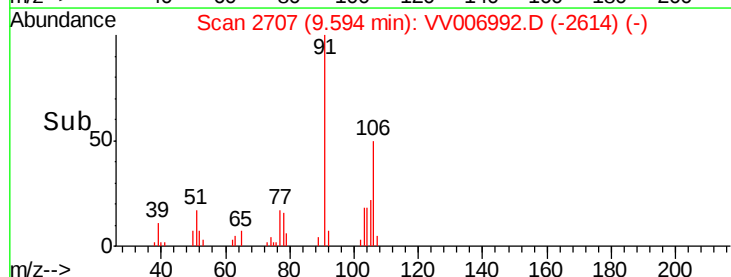
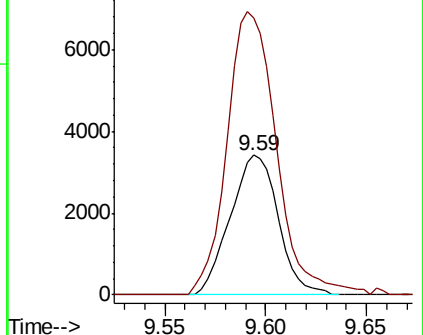
106 100

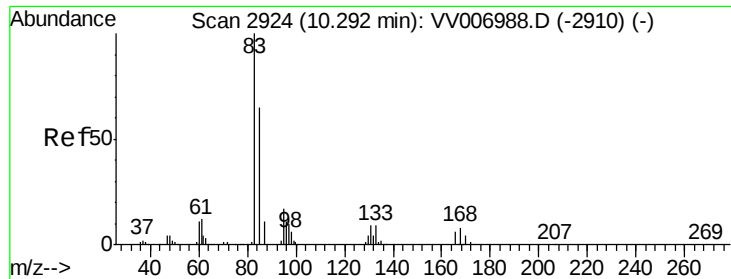
91 198.3 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): VV006988.D (-2693) (-)

Ion 91.15 (90.85 to 91.85): VV006988.D (-2693) (-)





#58

1,1,2,2-Tetrachloroethane

Concen: 0.217 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampled :

MDL03

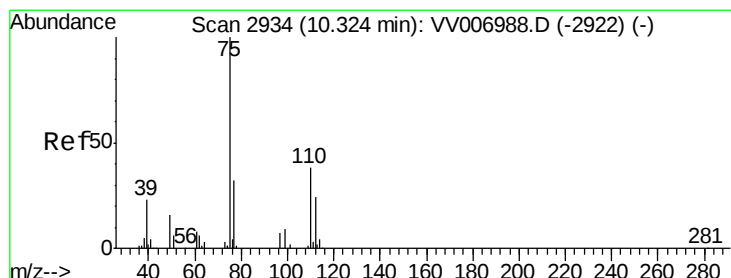
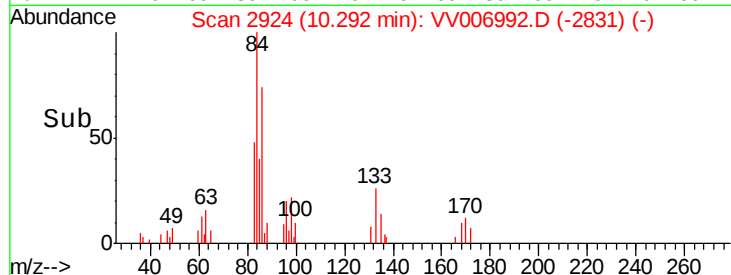
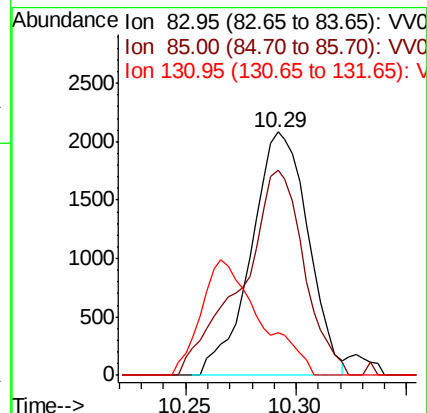
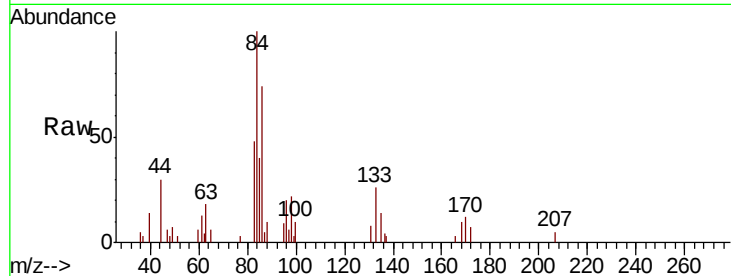
Tot Ion: 83 Resp: 3727

Ion Ratio Lower Upper

83 100

85 84.5 43.0 79.8#

131 17.4 7.4 11.2#



#59

1,2,3-Trichloropropane

Concen: 0.255 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006992.D

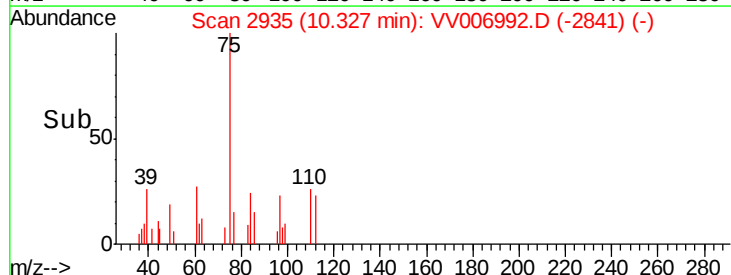
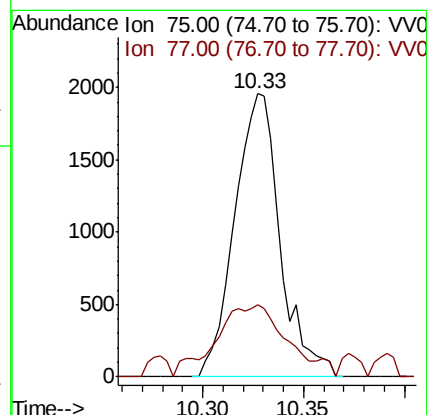
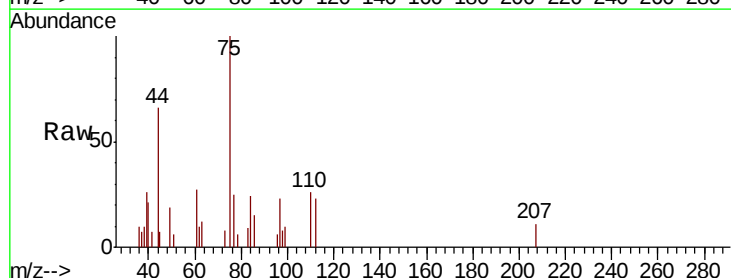
Acq: 10 Aug 2018 19:08

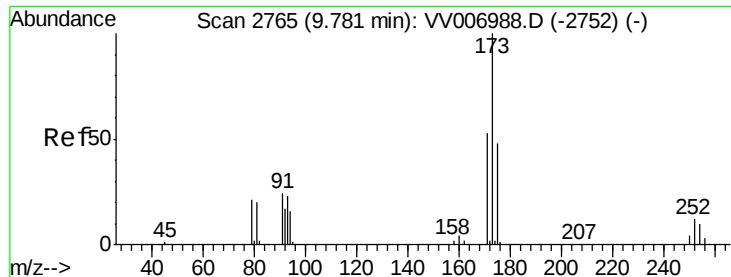
Tgt Ion: 75 Resp: 3091

Ion Ratio Lower Upper

75 100

77 39.6 25.4 38.0#





#61

Bromoform

Concen: 0.279 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampleId :

MDL03

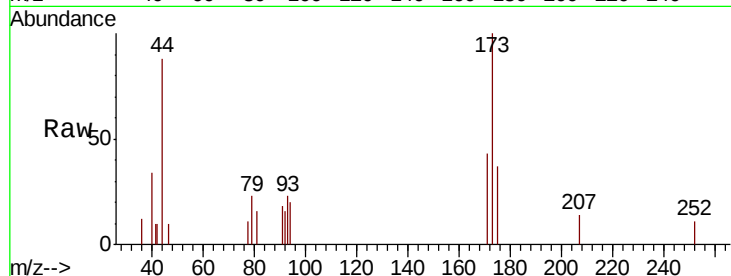
Tot Ion:173 Resp: 1980

Ion Ratio Lower Upper

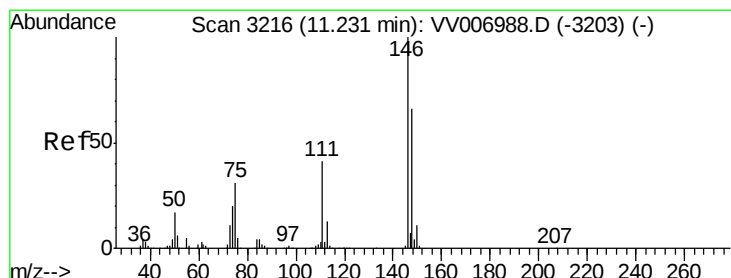
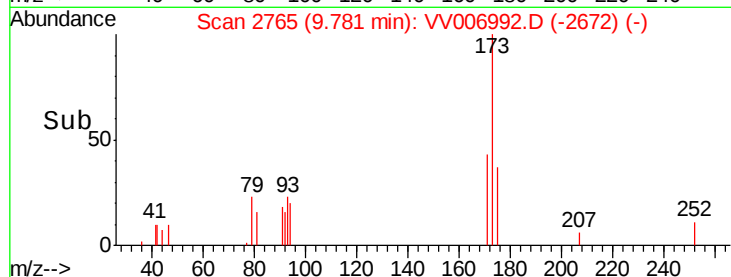
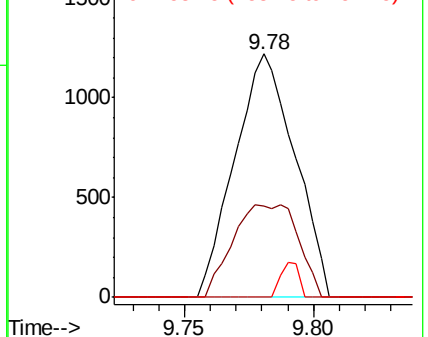
173 100

175 41.2 39.3 58.9

254 4.4 8.3 12.5#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.236 ug/L

RT: 11.24 min Scan# 3218

Delta R.T. 0.01 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

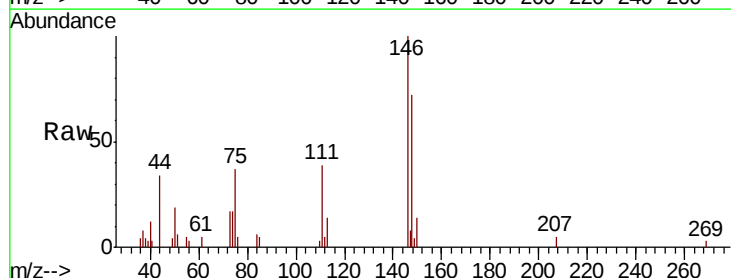
Tgt Ion:146 Resp: 7146

Ion Ratio Lower Upper

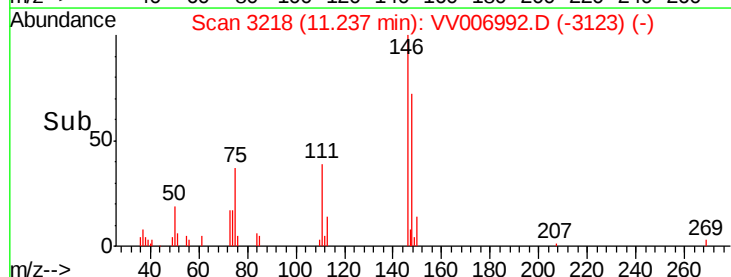
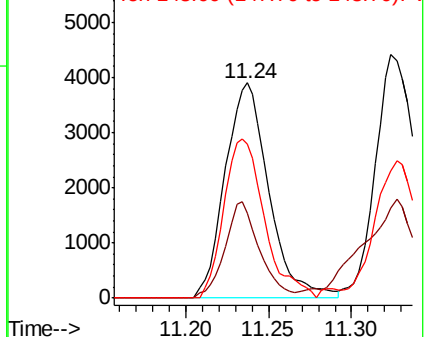
146 100

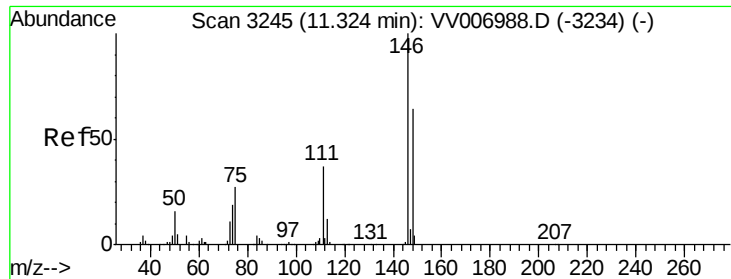
111 39.4 28.1 52.3

148 71.7 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.250 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

Instrument :

MSVOA_V

ClientSampled :

MDL03

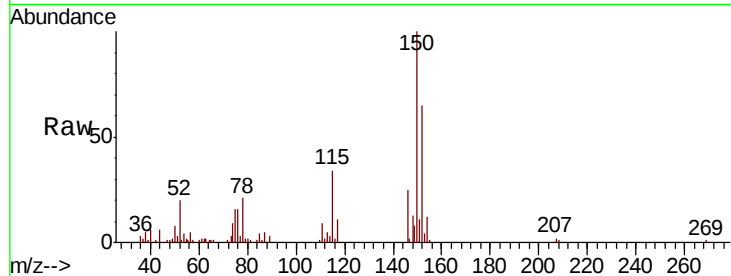
Tot Ion:146 Resp: 7780

Ion Ratio Lower Upper

146 100

111 37.1 26.6 49.4

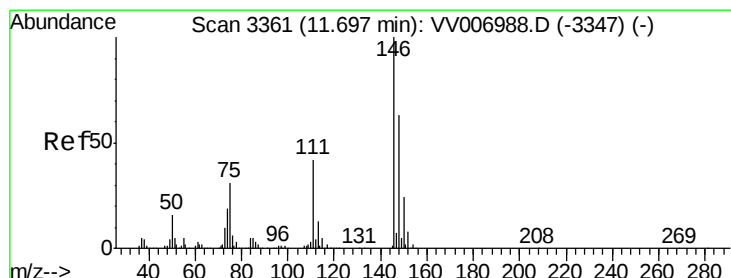
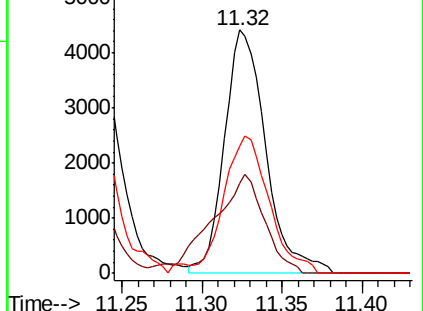
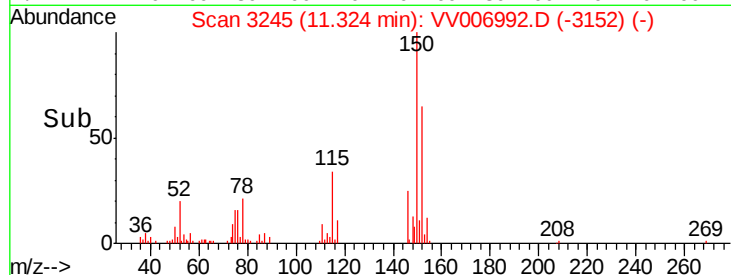
148 52.3 46.4 86.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.249 ug/L

RT: 11.70 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VV006992.D

Acq: 10 Aug 2018 19:08

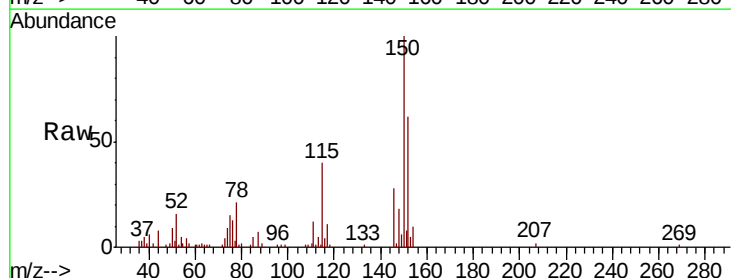
Tgt Ion:146 Resp: 7415

Ion Ratio Lower Upper

146 100

111 43.7 33.0 49.6

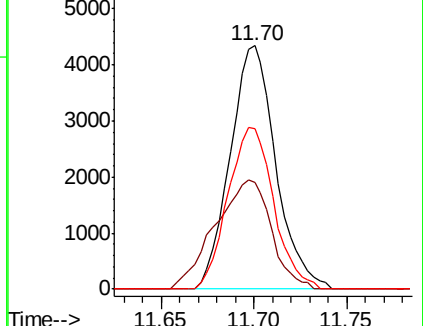
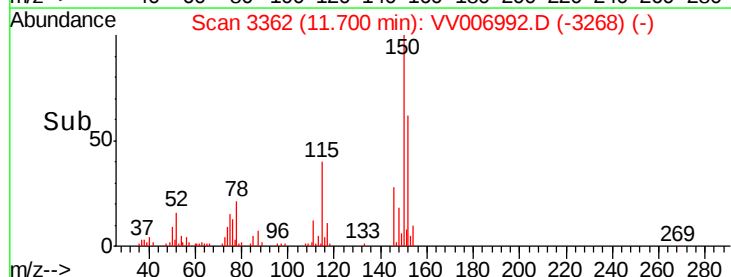
148 66.1 50.6 75.8

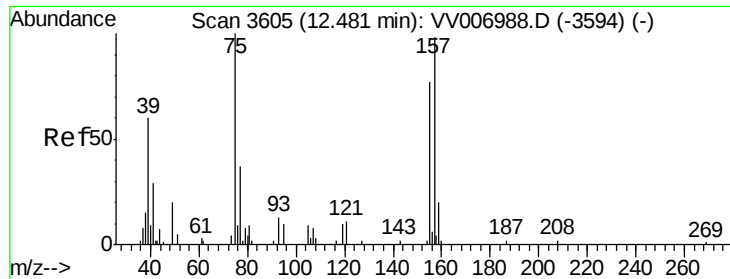


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

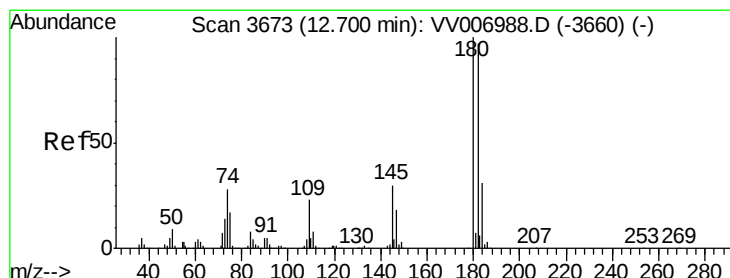
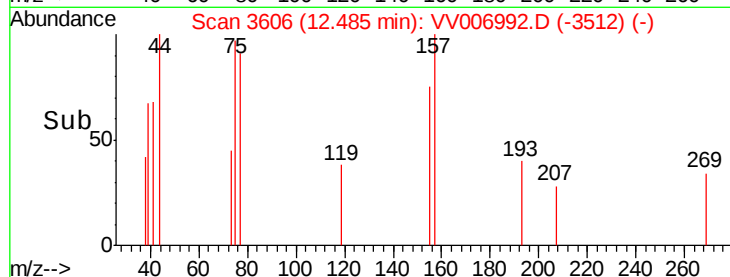
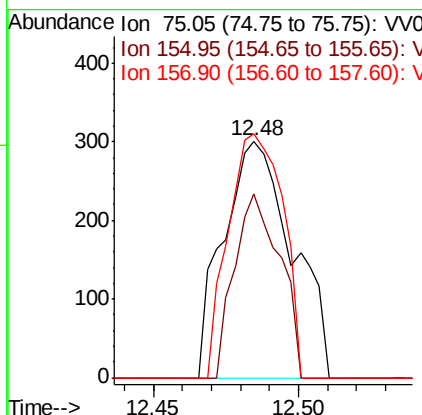
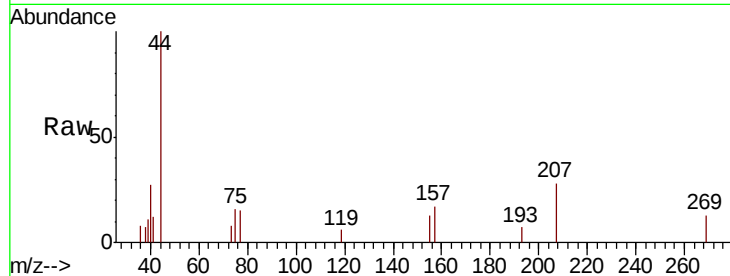




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.235 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 498
 Ion Ratio Lower Upper
 75 100
 155 77.7 62.6 94.0
 157 103.0 77.0 115.6



#67
 1,3,5-Trichlorobenzene
 Concen: 0.241 ug/L
 RT: 12.70 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: VV006992.D
 Acq: 10 Aug 2018 19:08

Tgt Ion: 180 Resp: 5534
 Ion Ratio Lower Upper
 180 100
 182 85.2 75.1 112.7
 184 27.7 23.8 35.8
 145 26.4 21.9 32.9

