

Data File : VV012063.D
Acq On : 29 Jul 2019 15:34
Operator : SY/MD
Sample : MDL01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Quant Time: Jul 30 08:49:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	178048	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169331	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	85713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39356	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.59	69	27944	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.13	63	55594	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.97	46	97915	42.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.56%
24) Chloroform-d	4.40	84	89022	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.08	65	49586	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.10	84	189409	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.12	67	53737	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	172340	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.66	79	20121	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.14	63	77537	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	36451	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
66) 1,2-Dichlorobenzene-d4	11.67	152	68233	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5046	0.249 ug/L	96
3) Chloromethane	1.25	50	3048	0.262 ug/L	95
5) Vinyl chloride	1.32	62	2938	0.247 ug/L #	60
6) Bromomethane	1.54	94	1529	0.215 ug/L	95
8) Chloroethane	1.60	64	1696	0.263 ug/L	97
9) Trichlorofluoromethane	1.77	101	4811	0.237 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2550	0.289 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	2314	0.283 ug/L #	1
14) Carbon disulfide	2.32	76	5768	0.253 ug/L #	94
15) Methyl Acetate	2.48	43	632	0.244 ug/L #	73
16) Methylene chloride	2.54	84	2815	0.336 ug/L	84
17) Methyl tert-butyl Ether	2.81	73	6464	0.251 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	2877	0.244 ug/L	93
19) 1,1-Dichloroethane	3.23	63	5316	0.252 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	3322	0.265 ug/L	86
23) Bromochloromethane	4.29	128	1415	0.257 ug/L	75
25) Chloroform	4.43	83	15213	0.576 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.19	62	3862	0.265	ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	4861	0.232	ug/L	96
30) Cyclohexane	4.72	56	4444	0.248	ug/L	97
31) Carbon tetrachloride	4.87	117	4517	0.240	ug/L #	56
33) Benzene	5.15	78	12264	0.267	ug/L	100
34) Trichloroethene	5.96	95	3759	0.287	ug/L	90
35) Methylcyclohexane	6.17	83	5166	0.251	ug/L	96
37) 1,2-Dichloropropane	6.22	63	2869	0.270	ug/L #	90
38) Bromodichloromethane	6.56	83	4028	0.268	ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	4376	0.262	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	13784	2.296	ug/L #	86
42) Toluene	7.43	91	13423	0.262	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	4286	0.318	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	2017	0.249	ug/L	89
47) Tetrachloroethene	8.02	164	3203	0.279	ug/L	86
48) 2-Hexanone	8.19	43	10929	2.576	ug/L	90
49) Dibromochloromethane	8.29	129	2409	0.242	ug/L	93
50) 1,2-Dibromoethane	8.40	107	2022	0.267	ug/L #	86
51) Chlorobenzene	8.93	112	9390	0.275	ug/L	94
52) Ethylbenzene	9.06	91	13828	0.237	ug/L	92
53) m,p-xylene	9.18	106	5568	0.251	ug/L	89
54) o-xylene	9.59	106	4908	0.233	ug/L	89
55) Styrene	9.60	104	8097	0.229	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.29	83	2451	0.281	ug/L	97
59) Bromoform	9.77	173	1215	0.234	ug/L #	89
60) Isopropylbenzene	9.97	105	13696	0.250	ug/L	97
61) 1,2,3-Trichloropropane	10.32	75	1616	0.259	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	10655	0.236	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	9557	0.213	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	7488	0.274	ug/L	90
65) 1,4-Dichlorobenzene	11.32	146	8235	0.296	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	6695	0.270	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	327	0.254	ug/L	88
69) 1,3,5-Trichlorobenzene	12.69	180	6099	0.270	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	4826	0.270	ug/L	93
71) Naphthalene	13.55	128	5991	0.242	ug/L	96
72) 1,2,3-Trichlorobenzene	13.79	180	3990	0.252	ug/L	97

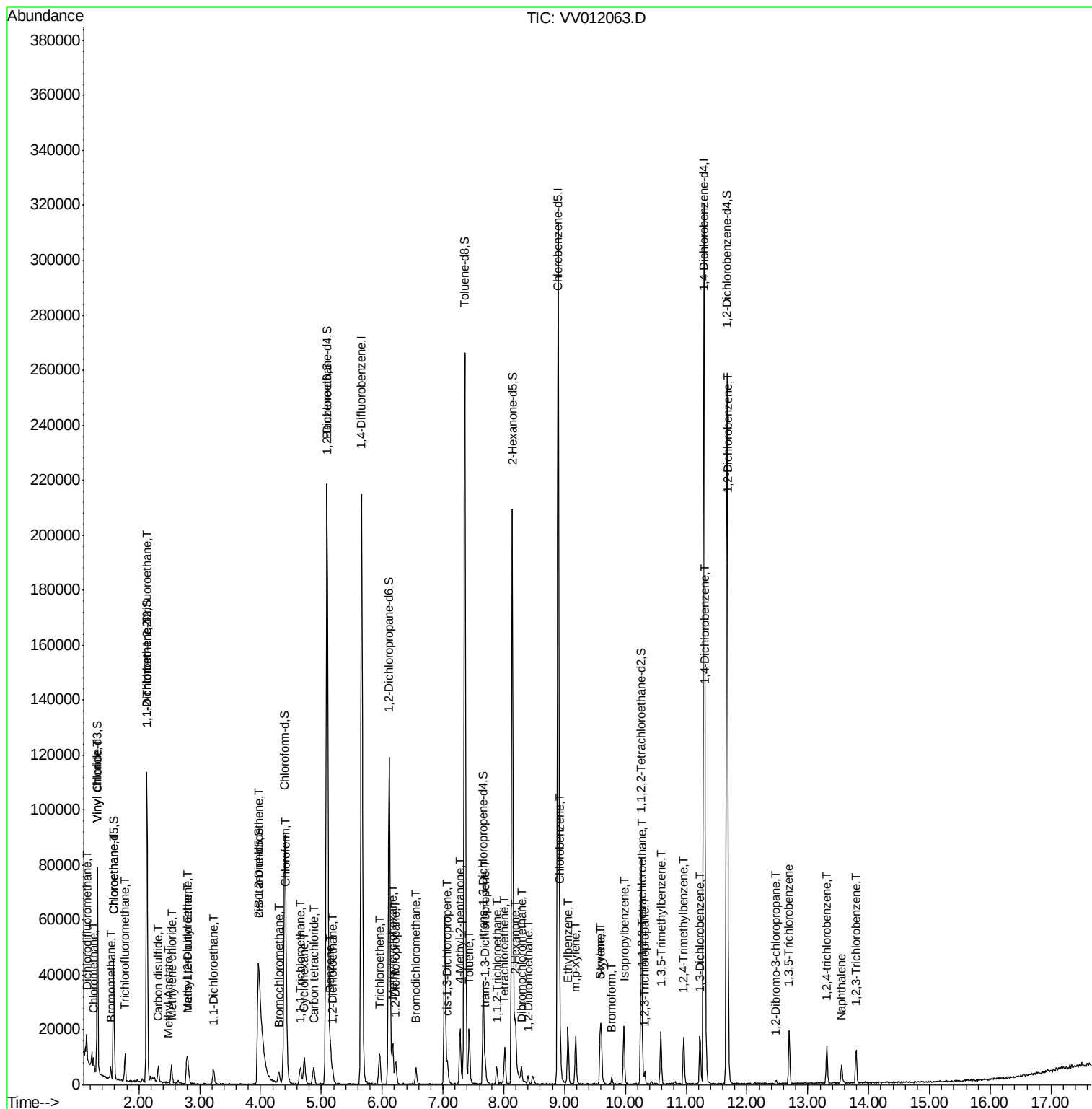
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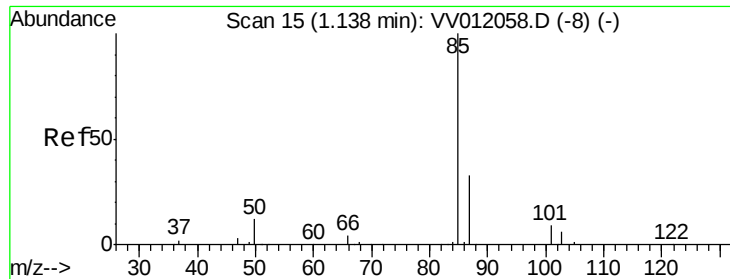
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#2

Dichlorodifluoromethane

Concen: 0.249 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

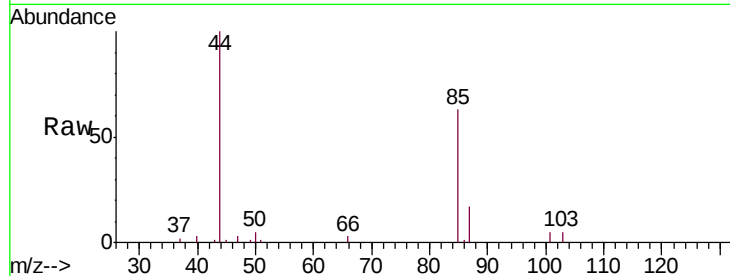
MDL01

Tgt Ion: 85 Resp: 5046

Ion Ratio Lower Upper

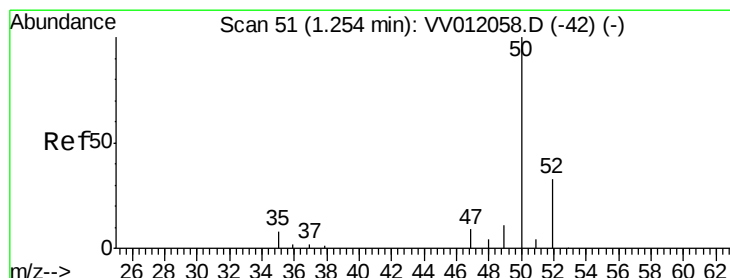
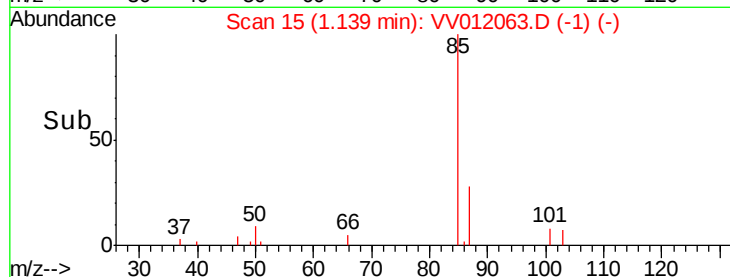
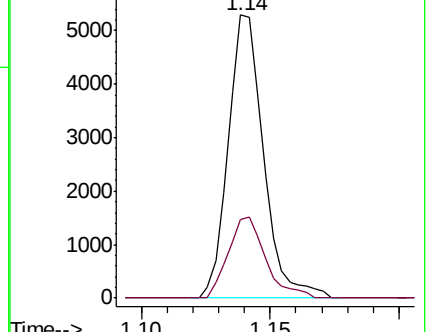
85 100

87 30.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012058.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012058.D (-8) (-)



#3

Chloromethane

Concen: 0.262 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012063.D

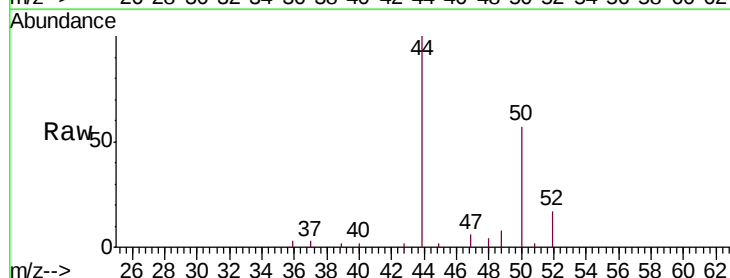
Acq: 29 Jul 2019 15:34

Tgt Ion: 50 Resp: 3048

Ion Ratio Lower Upper

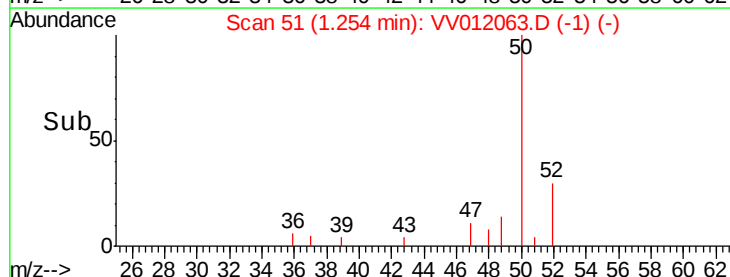
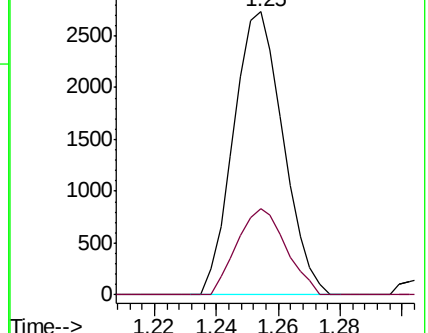
50 100

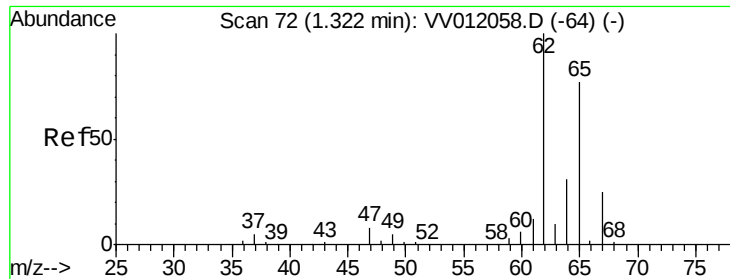
52 30.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012058.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012058.D (-42) (-)





#5

Vinyl chloride

Concen: 0.247 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

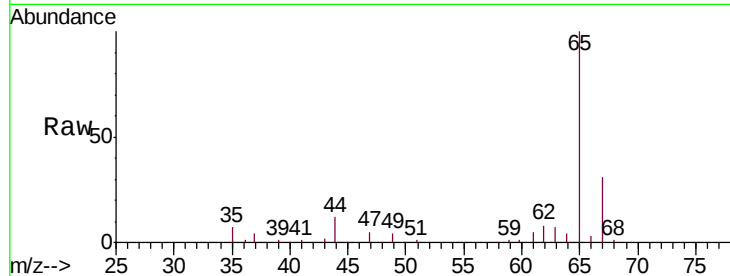
MDL01

Tgt Ion: 62 Resp: 2938

Ion Ratio Lower Upper

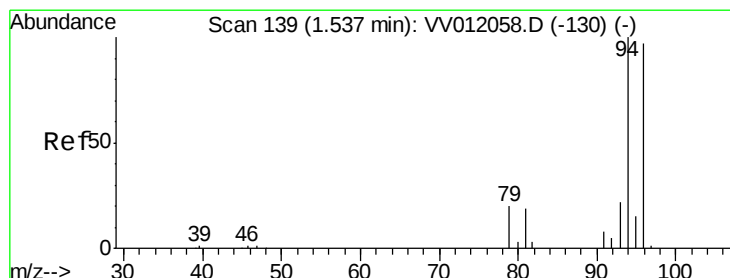
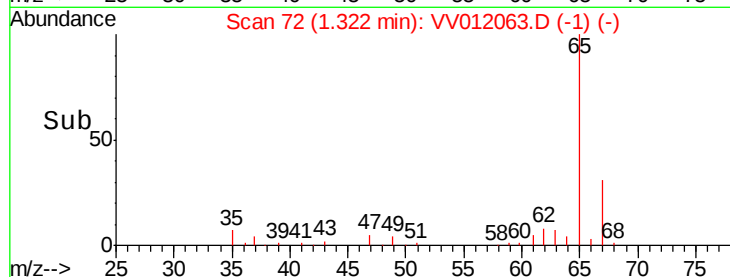
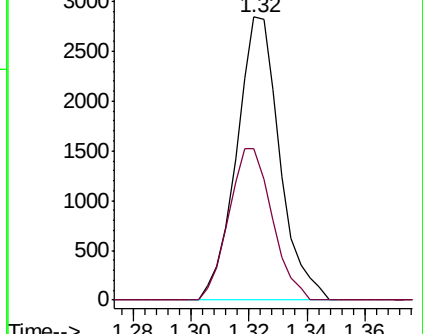
62 100

64 53.7 22.0 41.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.215 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012063.D

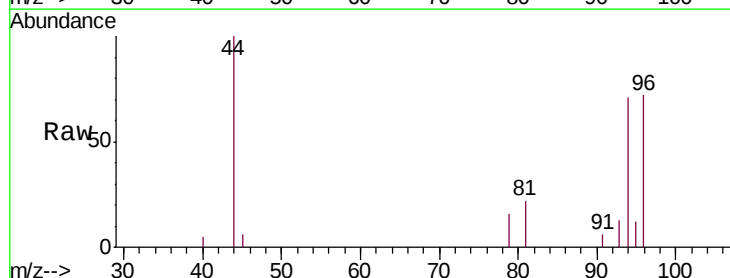
Acq: 29 Jul 2019 15:34

Tgt Ion: 94 Resp: 1529

Ion Ratio Lower Upper

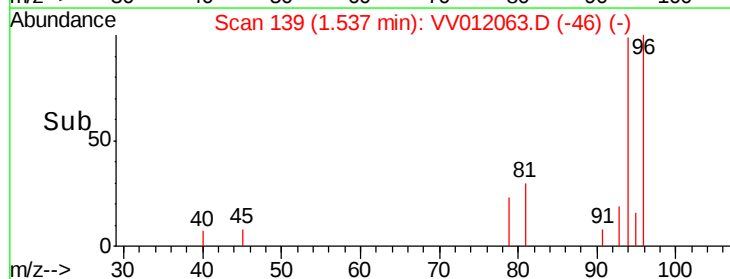
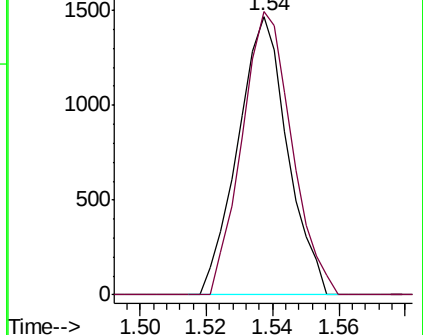
94 100

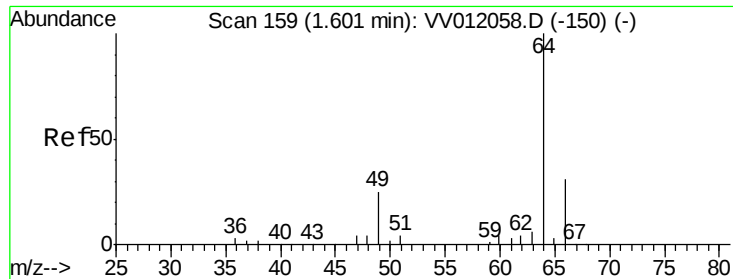
96 101.5 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

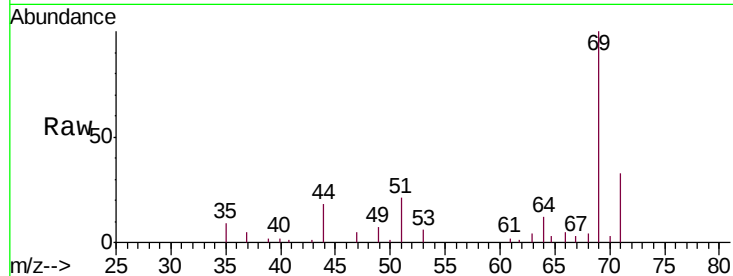




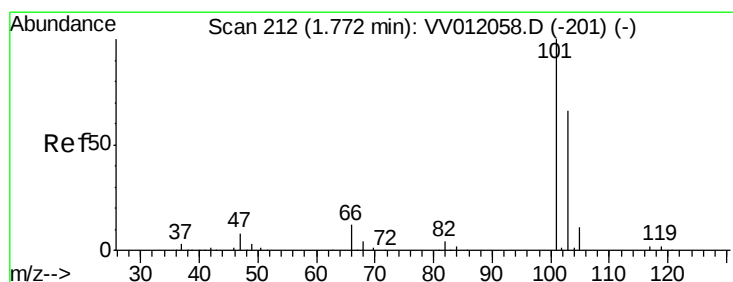
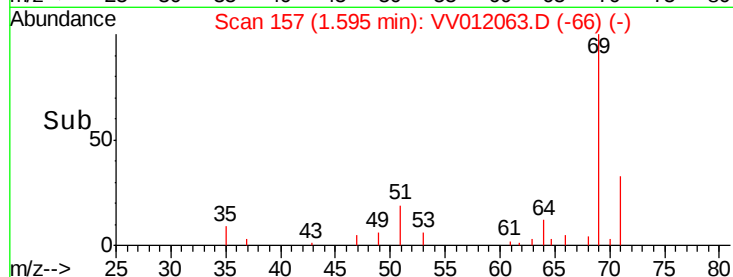
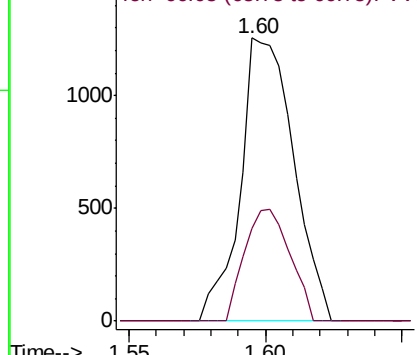
#8
Chloroethane
Concen: 0.263 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.01 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 64 Resp: 1696
Ion Ratio Lower Upper
64 100
66 32.8 21.7 40.3

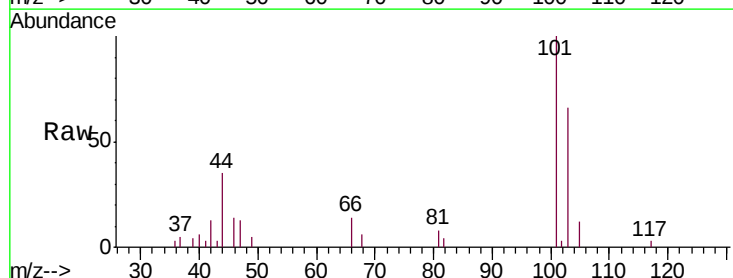


Abundance Ion 64.10 (63.80 to 64.80): VV012058.D (-150) (-)
Ion 66.05 (65.75 to 66.75): VV012063.D (-66) (-)

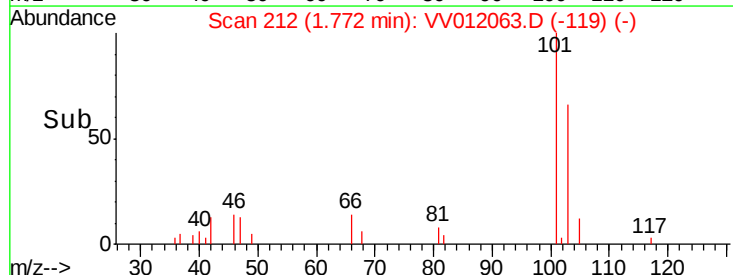
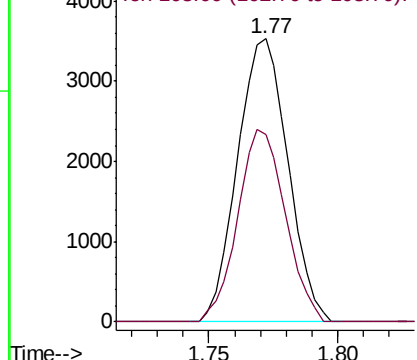


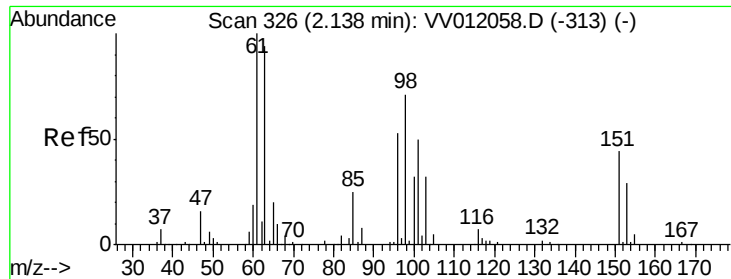
#9
Trichlorofluoromethane
Concen: 0.237 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 101 Resp: 4811
Ion Ratio Lower Upper
101 100
103 64.4 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-201) (-)
Ion 103.00 (102.70 to 103.70): VV012063.D (-119) (-)





#10

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

Concen: 0.289 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

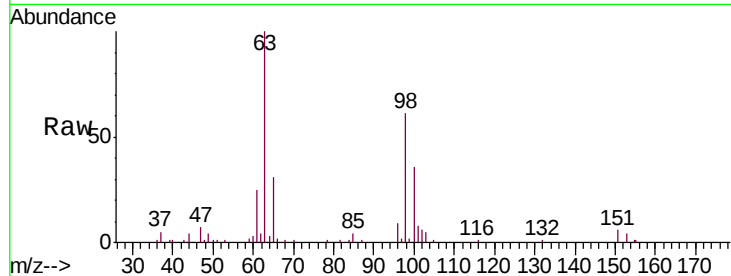
Tgt Ion:101 Resp: 2550

Ion Ratio Lower Upper

101 100

85 43.0 37.8 56.8

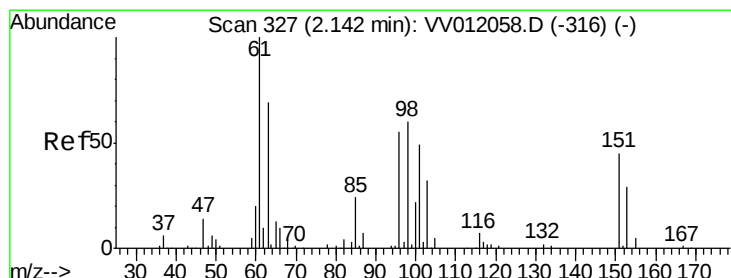
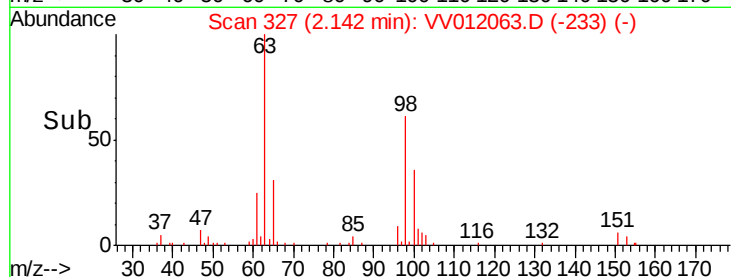
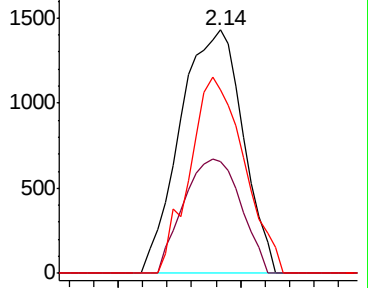
151 69.5 71.4 107.2#



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012058.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 0.283 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

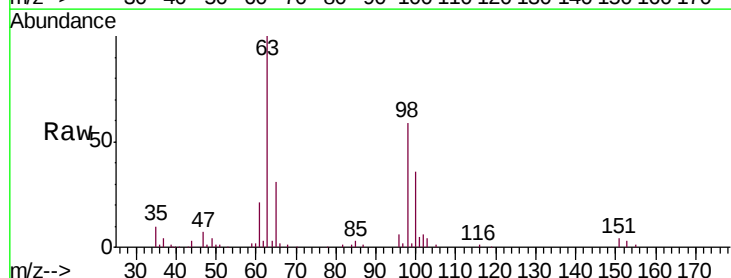
Tgt Ion: 96 Resp: 2314

Ion Ratio Lower Upper

96 100

61 344.5 127.8 237.4#

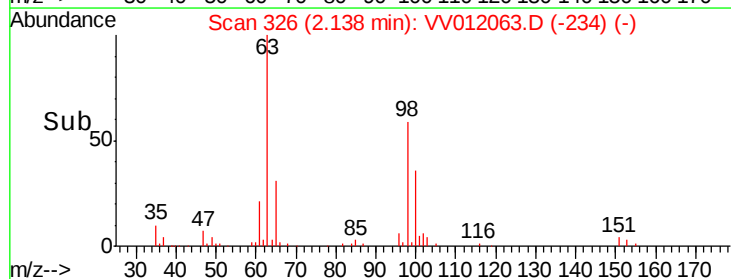
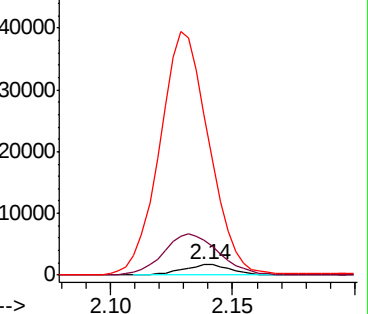
63 1605.9 92.7 172.3#

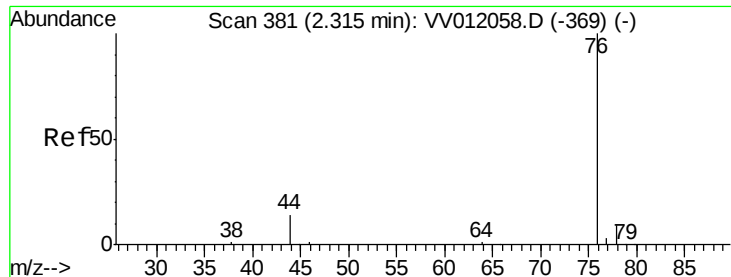


Abundance Ion 96.00 (95.70 to 96.70): VV012058.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV012058.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV012058.D (-316) (-)





#14

Carbon disulfide

Concen: 0.253 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

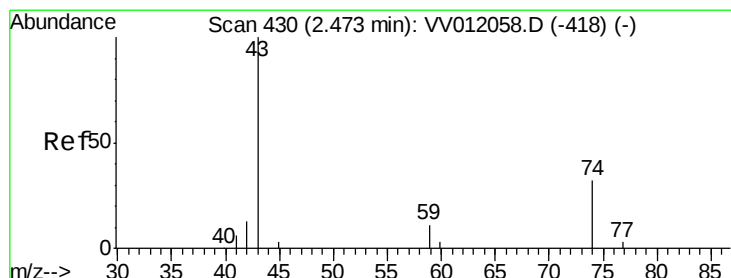
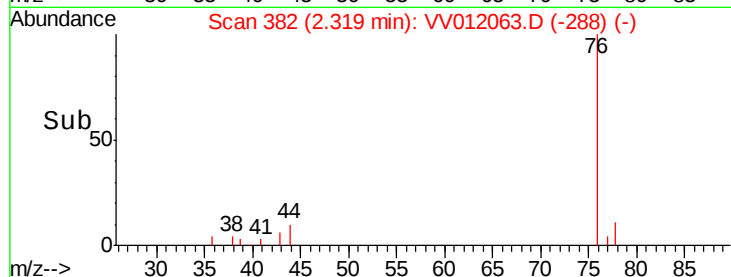
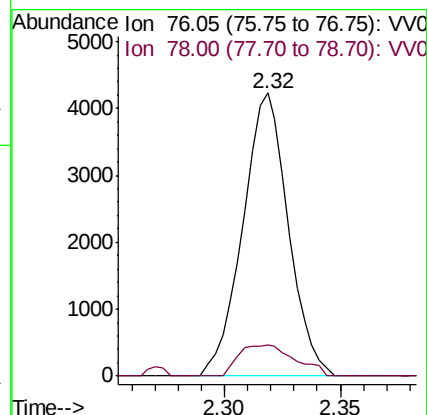
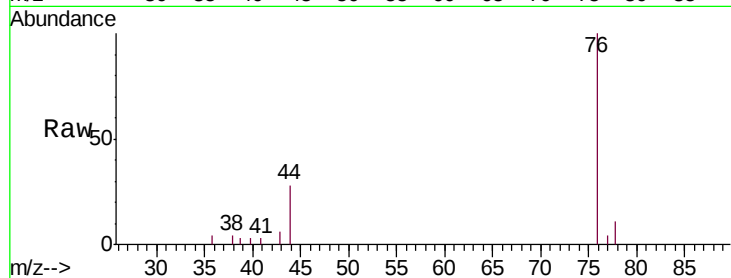
MDL01

Tgt Ion: 76 Resp: 5768

Ion Ratio Lower Upper

76 100

78 11.2 7.2 10.8#



#15

Methyl Acetate

Concen: 0.244 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV012063.D

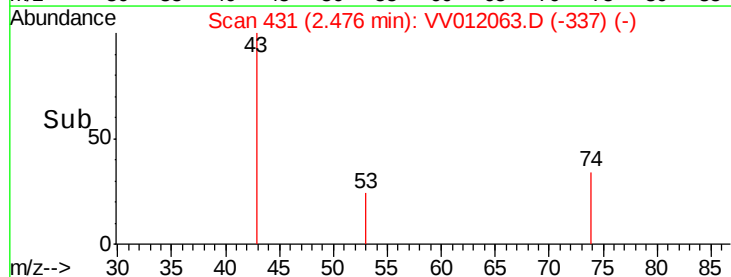
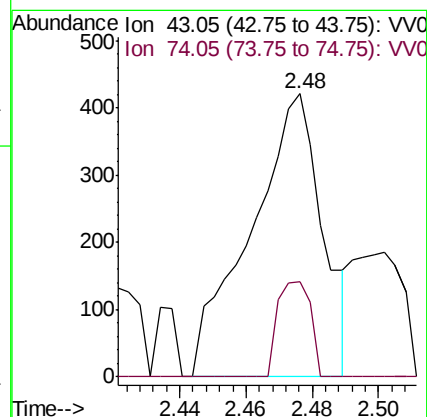
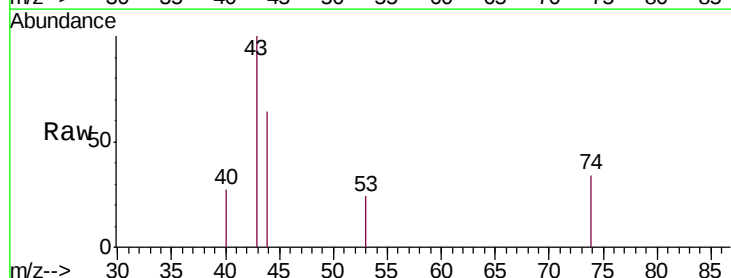
Acq: 29 Jul 2019 15:34

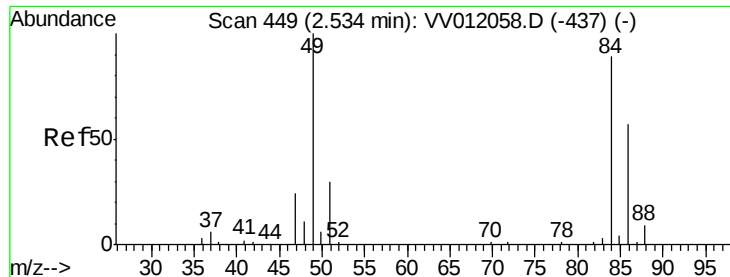
Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

74 15.5 24.4 36.6#

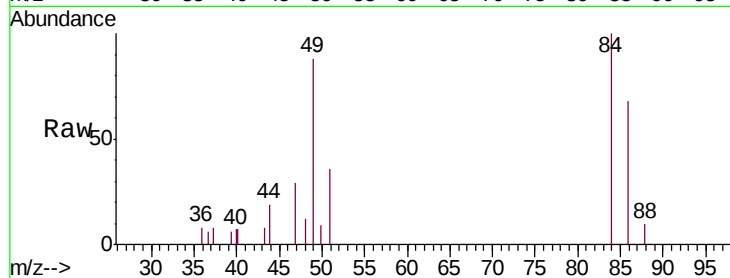




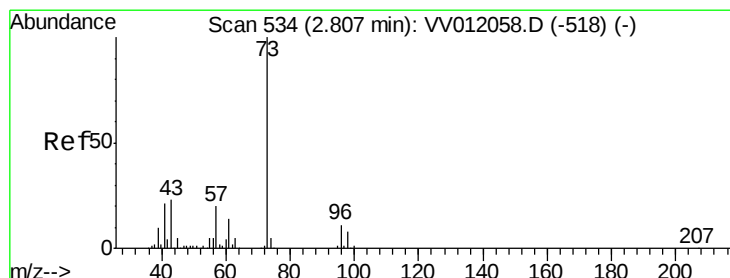
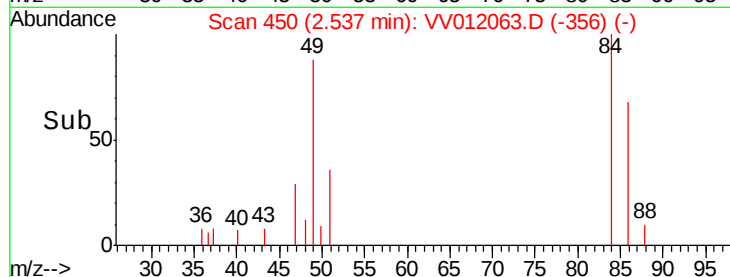
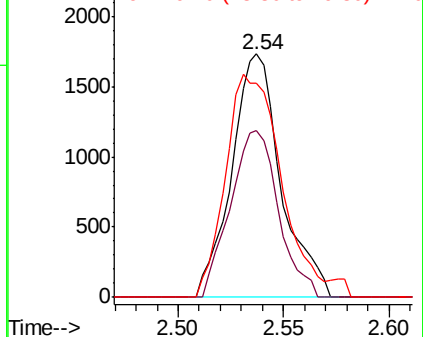
#16
Methylene chloride
Concen: 0.336 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 84 Resp: 2815
Ion Ratio Lower Upper
84 100
86 68.5 44.9 83.3
49 88.1 78.6 146.0

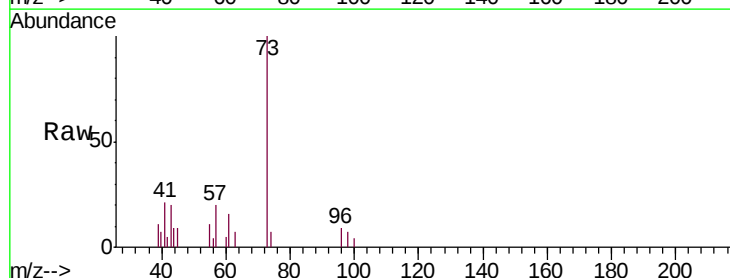


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

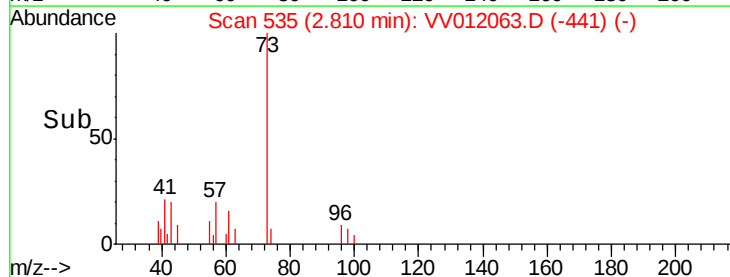
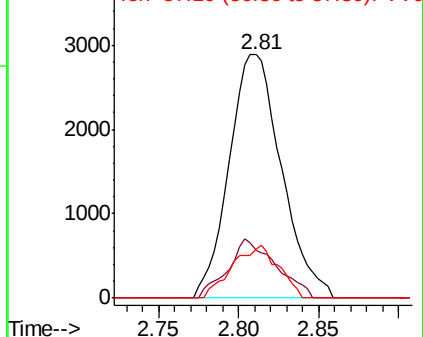


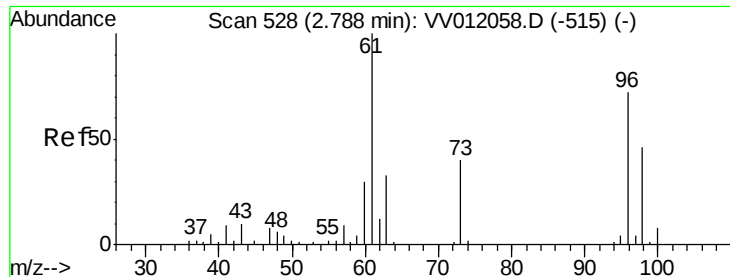
#17
Methyl tert-butyl Ether
Concen: 0.251 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 73 Resp: 6464
Ion Ratio Lower Upper
73 100
43 22.2 17.6 26.4
57 19.3 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

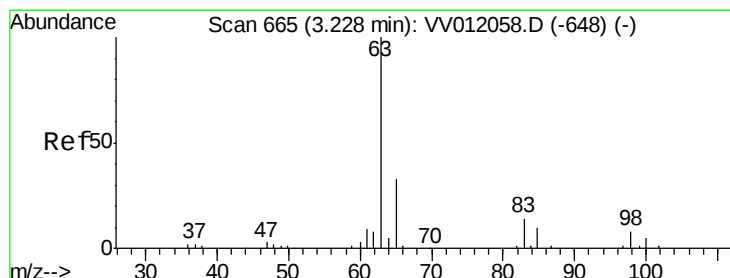
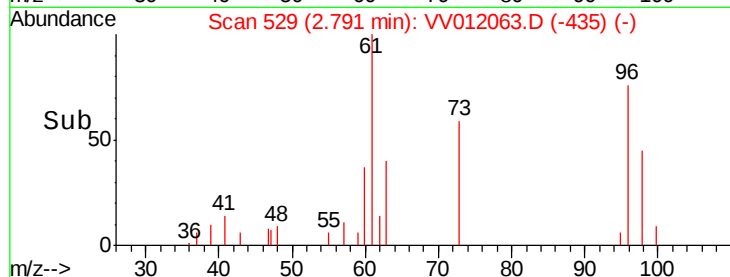
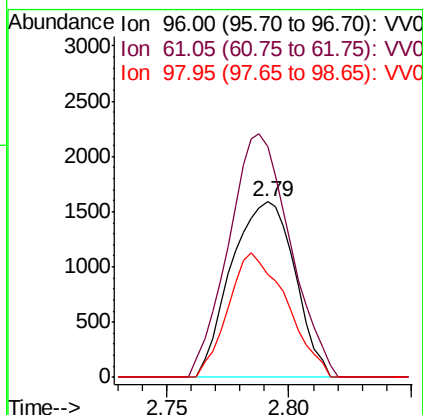
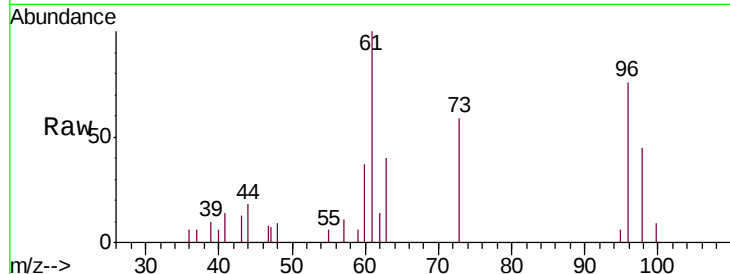




#18
trans-1,2-Dichloroethene
Concen: 0.244 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

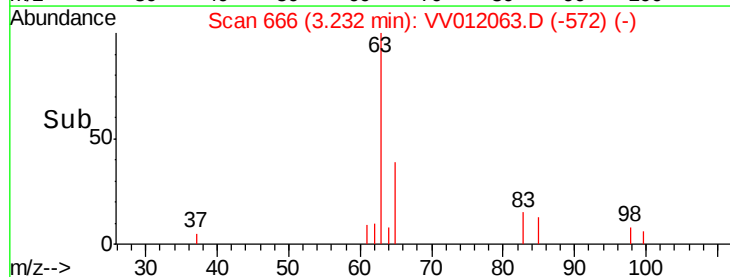
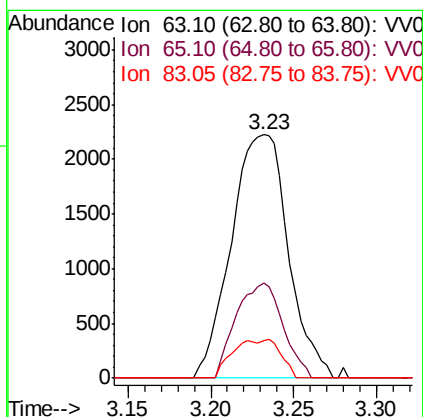
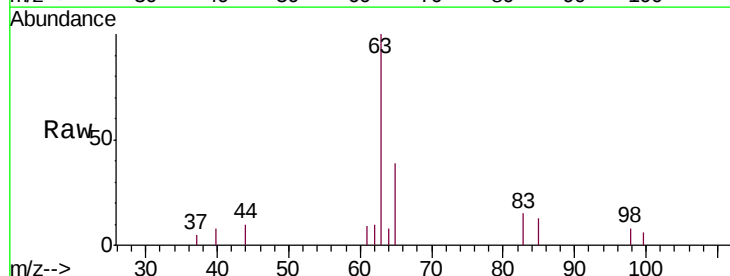
Instrument :
MSVOA_V
ClientSampled :
MDL01

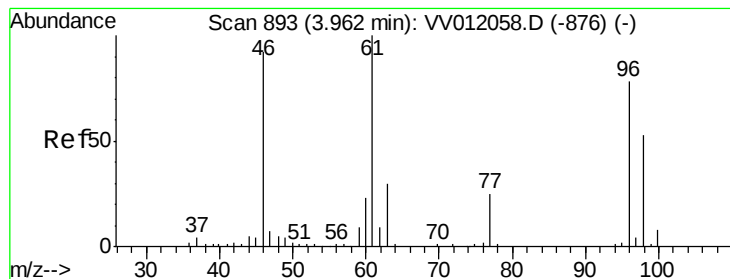
Tgt Ion: 96 Resp: 2877
Ion Ratio Lower Upper
96 100
61 131.2 97.2 180.6
98 58.8 45.0 83.6



#19
1,1-Dichloroethane
Concen: 0.252 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 63 Resp: 5316
Ion Ratio Lower Upper
63 100
65 39.0 23.0 42.6
83 15.3 9.7 17.9



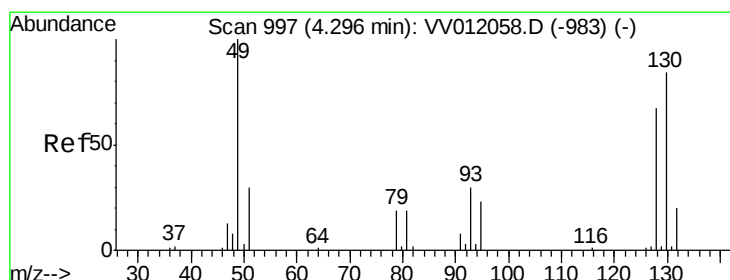
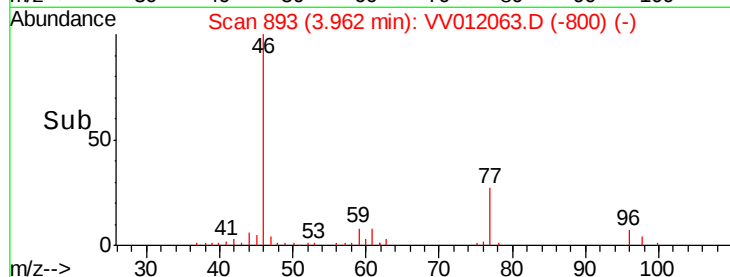
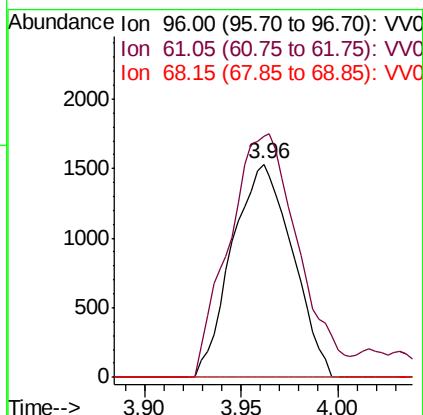
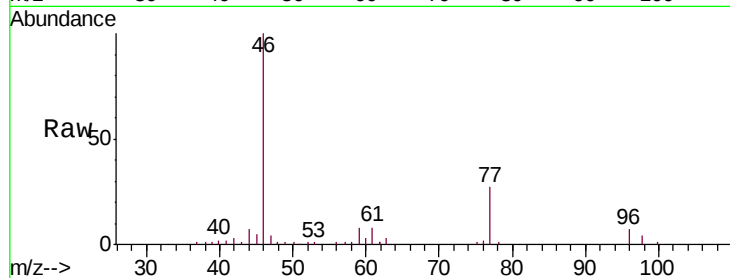


#22

cis-1,2-Dichloroethene
 Concen: 0.265 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

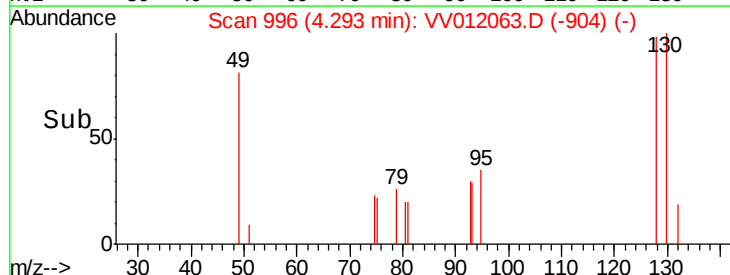
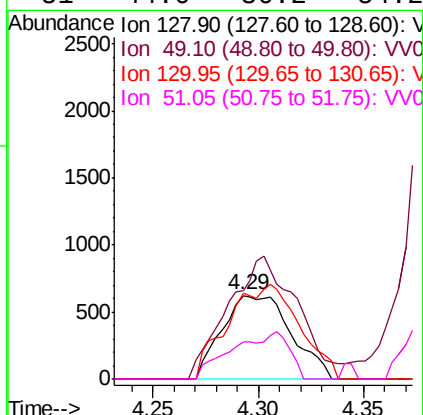
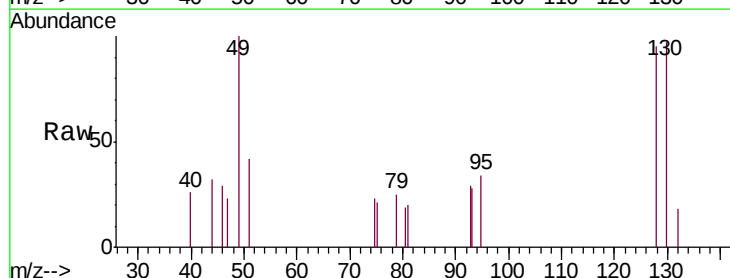
Tgt Ion: 96 Resp: 3322
 Ion Ratio Lower Upper
 96 100
 61 112.7 90.0 167.2
 68 0.0 0.0 0.0

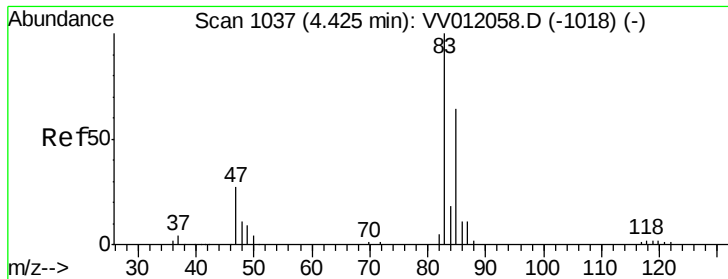


#23

Bromochloromethane
 Concen: 0.257 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 128 Resp: 1415
 Ion Ratio Lower Upper
 128 100
 49 105.3 105.1 195.1
 130 102.2 88.9 165.1
 51 44.0 36.2 54.2

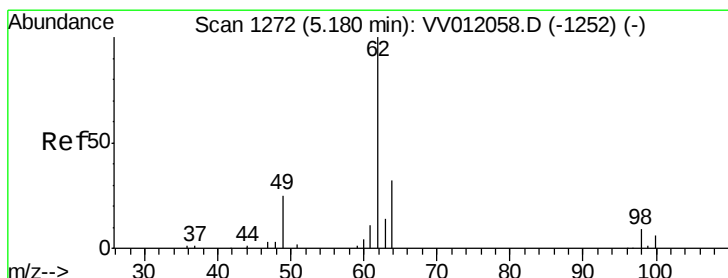
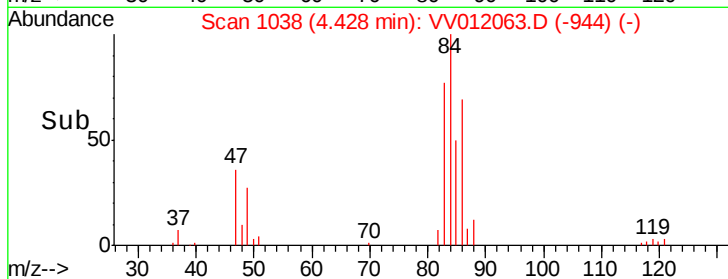
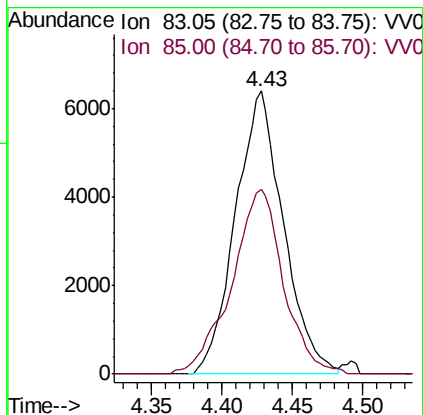
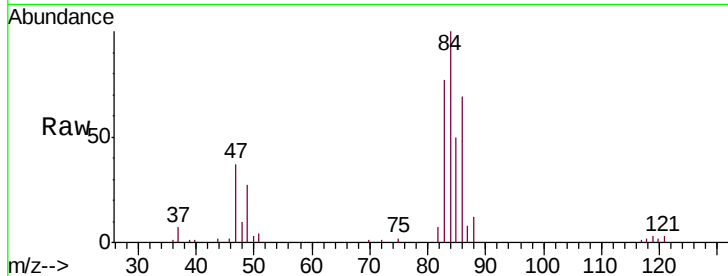




#25
Chloroform
Concen: 0.576 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

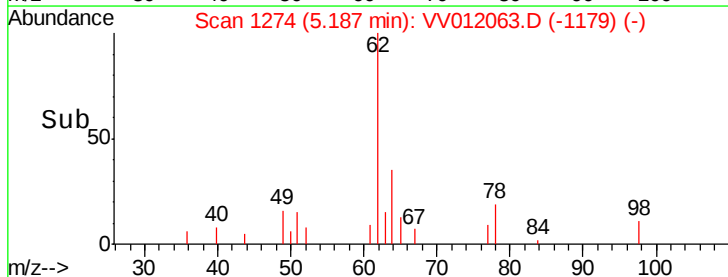
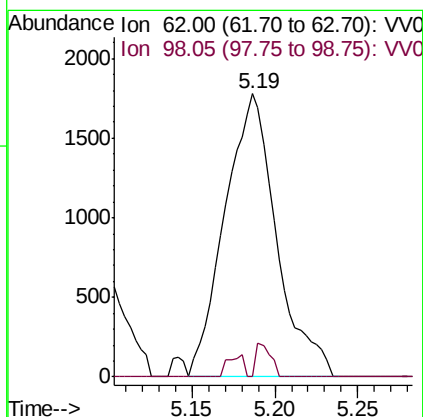
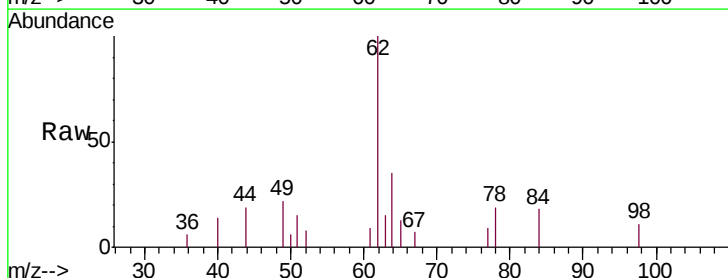
Instrument :
MSVOA_V
ClientSampled :
MDL01

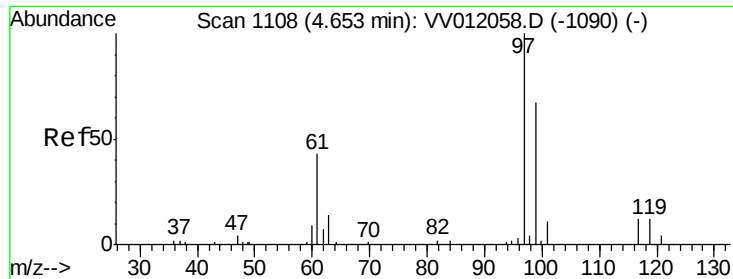
Tgt Ion: 83 Resp: 15213
Ion Ratio Lower Upper
83 100
85 65.3 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.265 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 62 Resp: 3862
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#

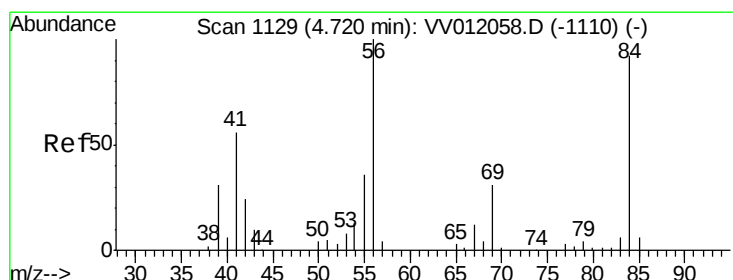
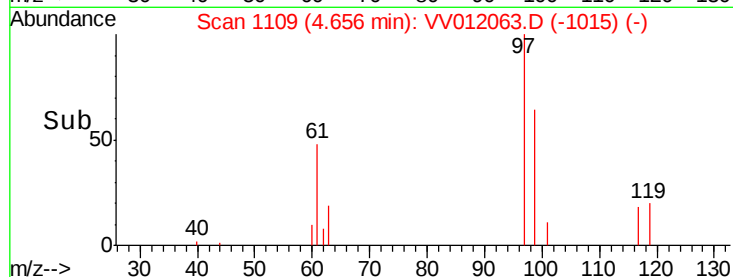
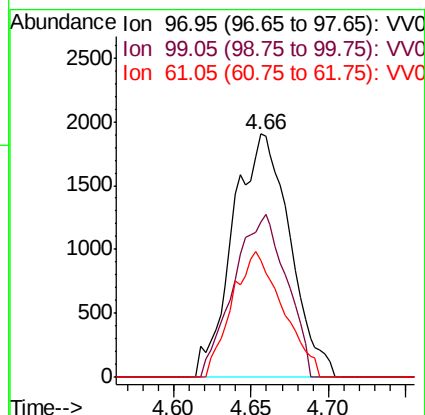
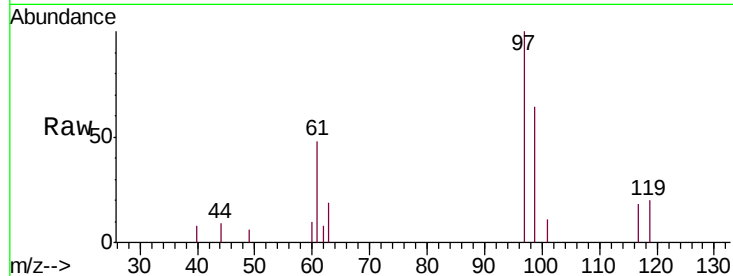




#29
 1,1,1-Trichloroethane
 Concen: 0.232 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

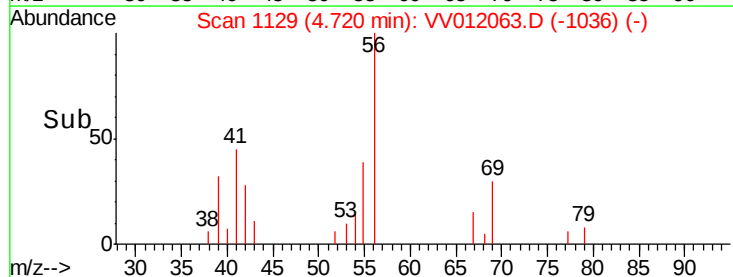
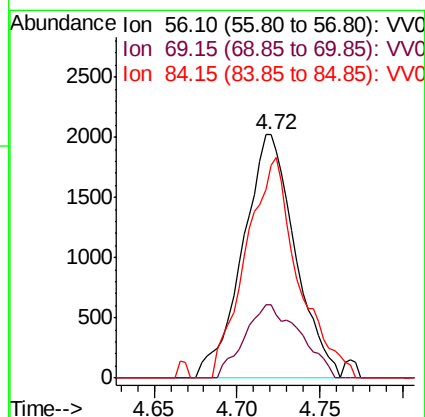
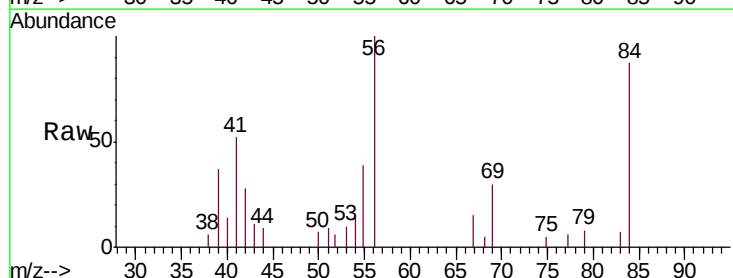
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

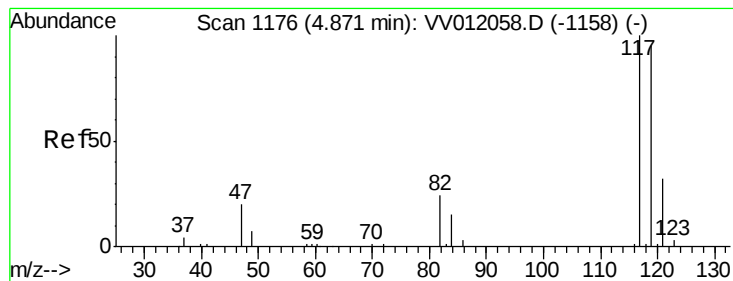
Tgt Ion: 97 Resp: 4861
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.8 77.8
 61 46.3 34.5 51.7



#30
 Cyclohexane
 Concen: 0.248 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 56 Resp: 4444
 Ion Ratio Lower Upper
 56 100
 69 32.0 24.8 37.2
 84 90.5 75.4 113.2





#31

Carbon tetrachloride

Concen: 0.240 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

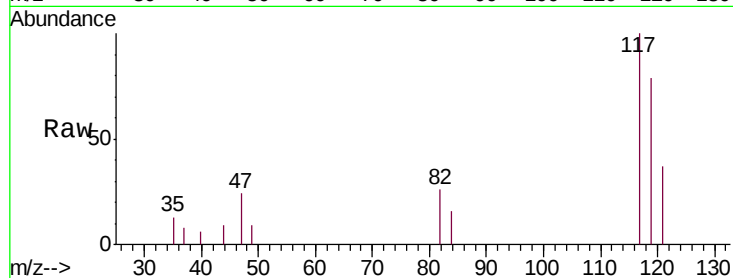
MDL01

Tgt Ion:117 Resp: 4517

Ion Ratio Lower Upper

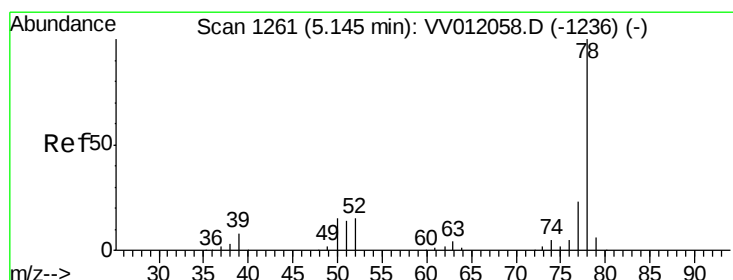
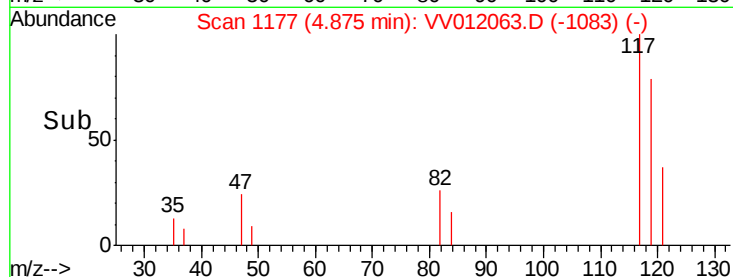
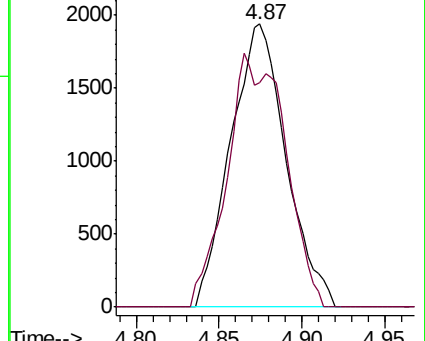
117 100

119 53.6 77.7 116.5#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.267 ug/L

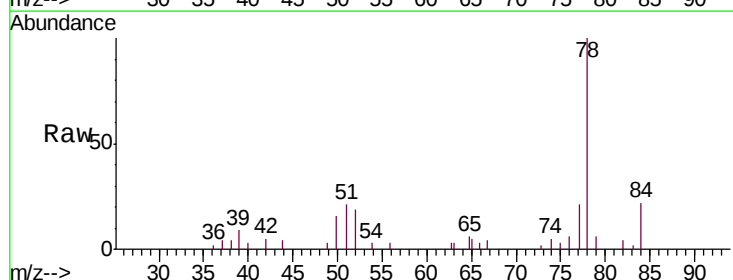
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

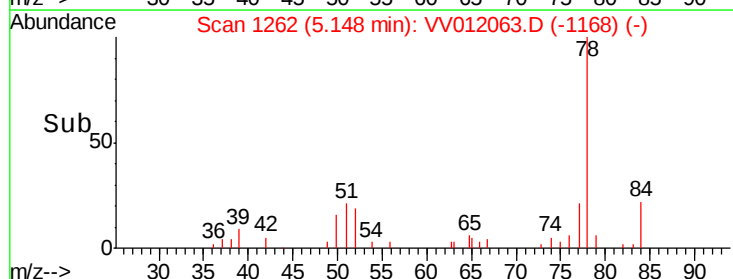
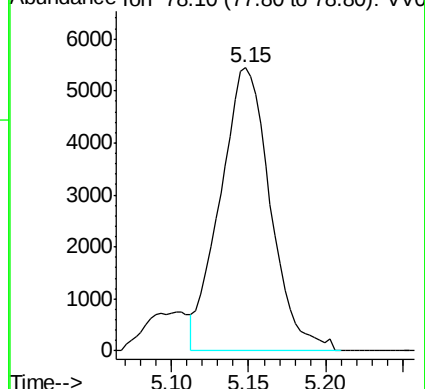
Lab File: VV012063.D

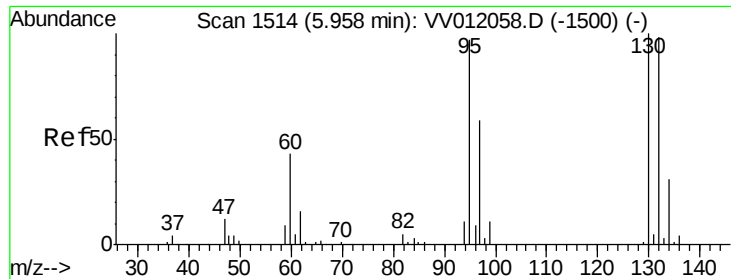
Acq: 29 Jul 2019 15:34

Tgt Ion: 78 Resp: 12264



Abundance Ion 78.10 (77.80 to 78.80): VV0

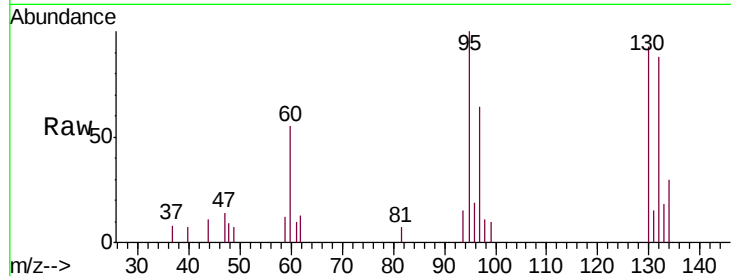




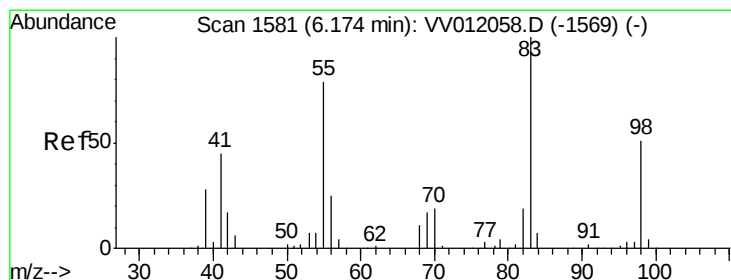
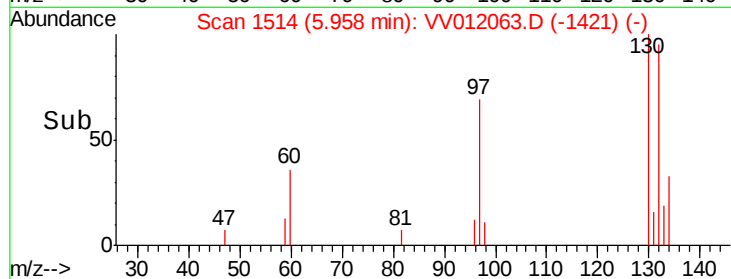
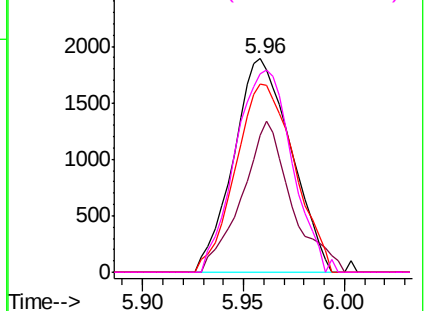
#34
 Trichloroethene
 Concen: 0.287 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 95 Resp: 3759
 Ion Ratio Lower Upper
 95 100
 97 64.1 42.8 79.6
 132 87.9 70.8 131.6
 130 92.6 72.3 134.3

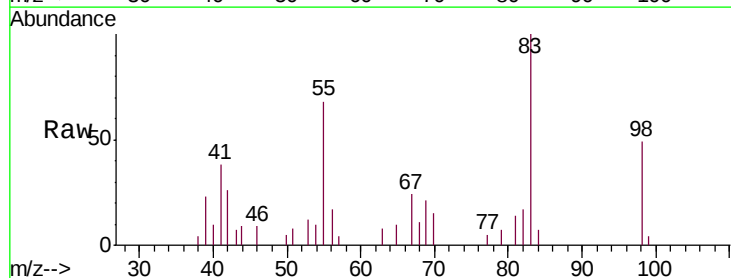


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

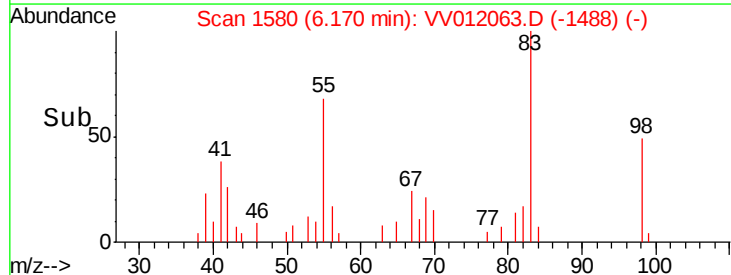
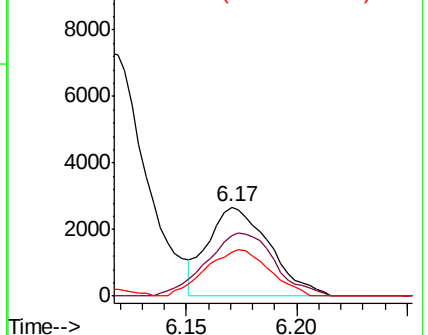


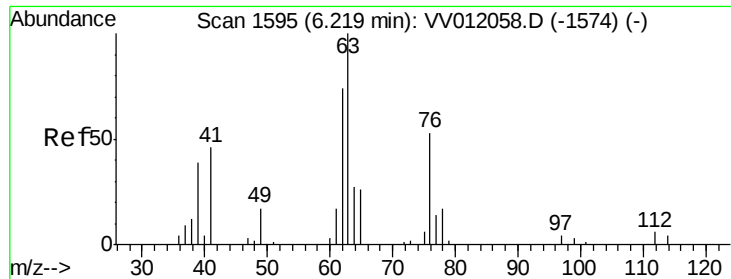
#35
 Methylcyclohexane
 Concen: 0.251 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 83 Resp: 5166
 Ion Ratio Lower Upper
 83 100
 55 78.2 60.1 90.1
 98 54.1 40.2 60.4



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

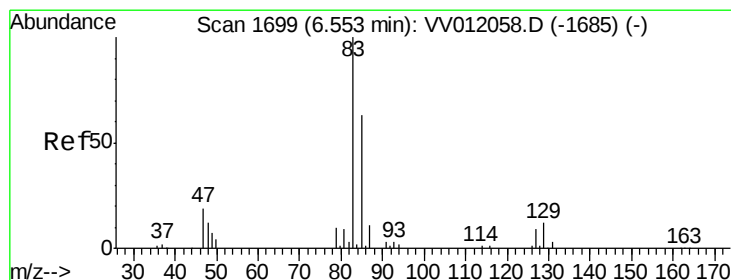
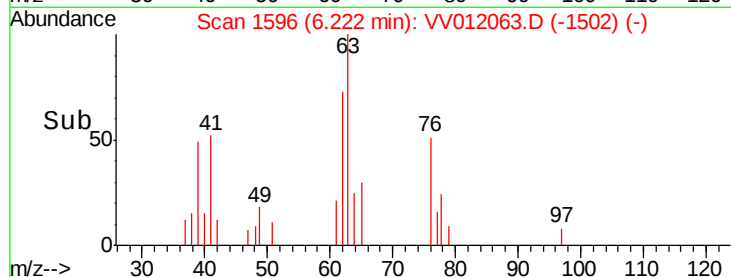
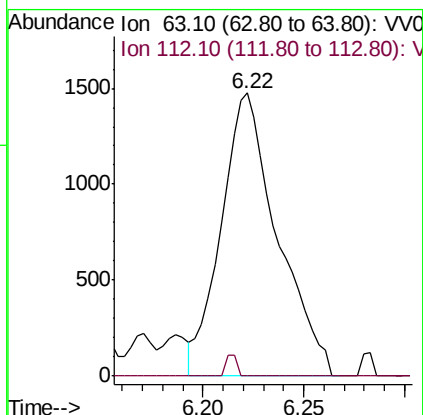
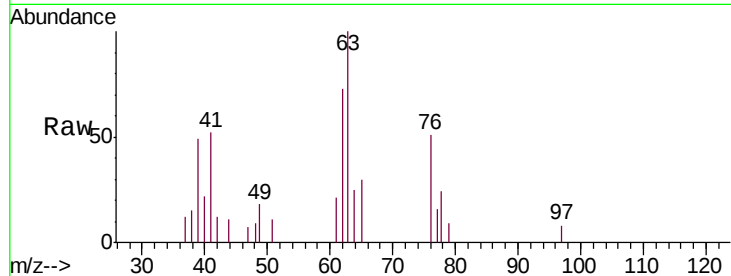




#37
 1,2-Dichloropropane
 Concen: 0.270 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

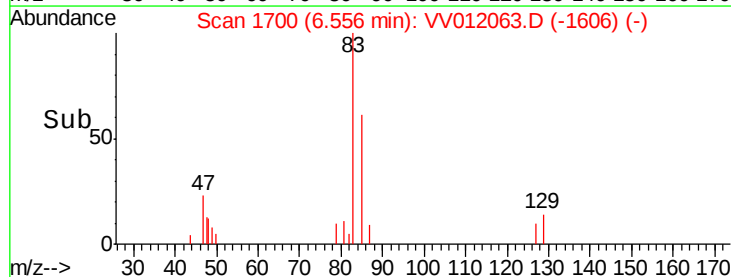
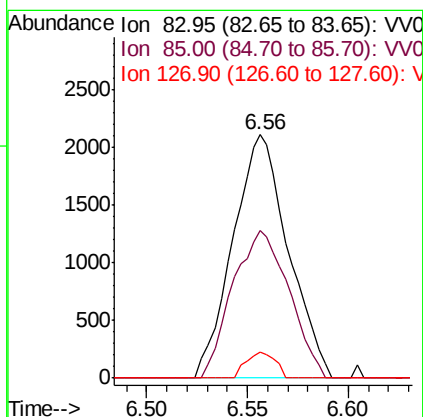
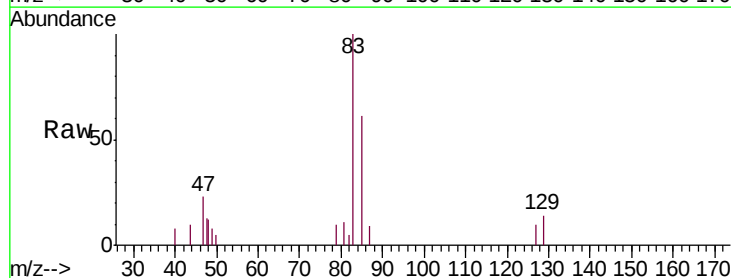
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL01

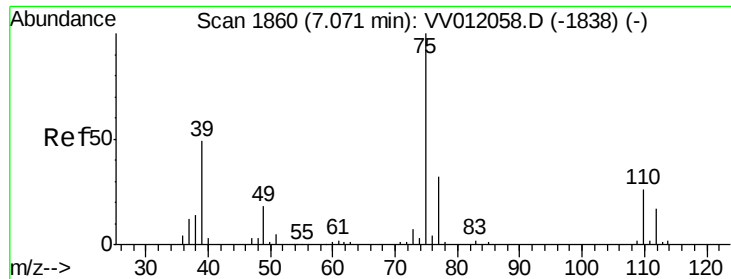
Tgt Ion: 63 Resp: 2869
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.268 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 83 Resp: 4028
 Ion Ratio Lower Upper
 83 100
 85 60.7 43.9 81.5
 127 10.4 6.9 10.3#

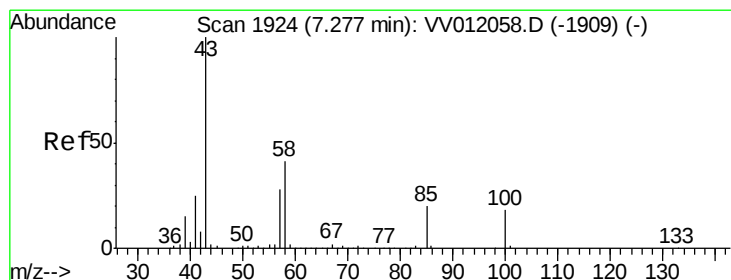
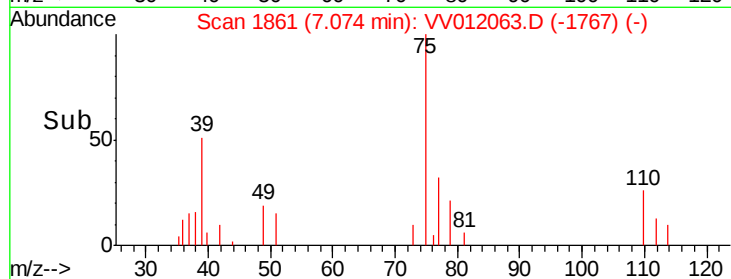
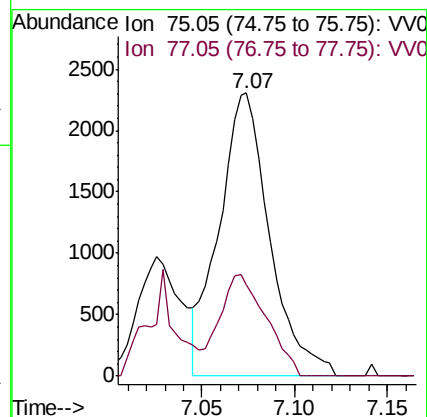
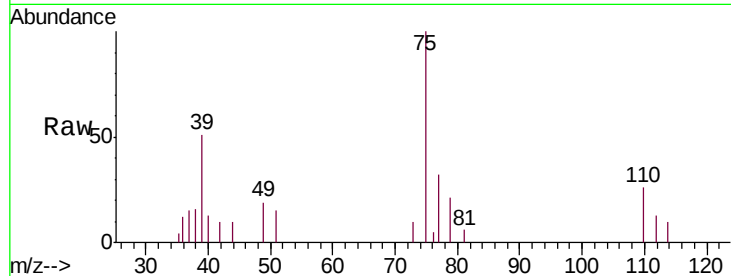




#39
 cis-1,3-Dichloropropene
 Concen: 0.262 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

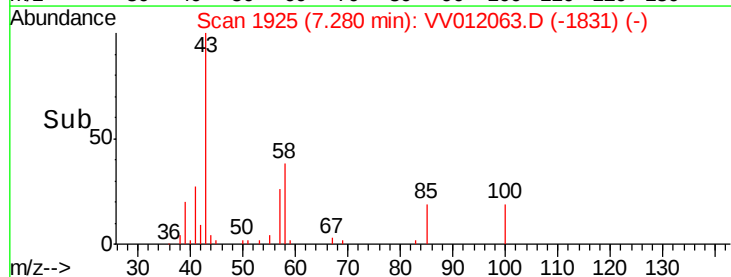
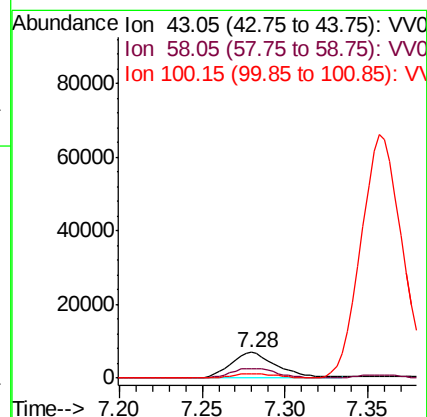
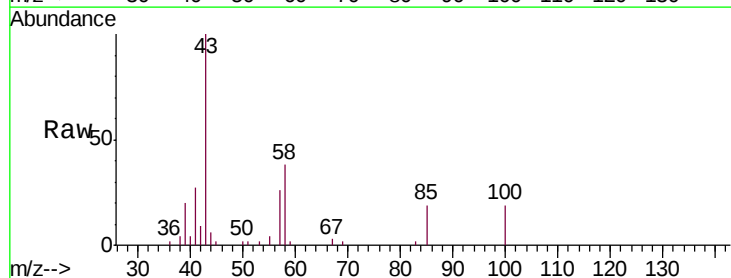
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

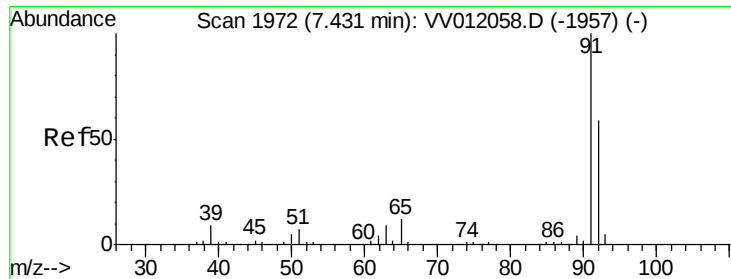
Tgt Ion: 75 Resp: 4376
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 2.296 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 43 Resp: 13784
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.9 47.9
 100 0.0 14.0 21.0#





#42

Toluene

Concen: 0.262 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

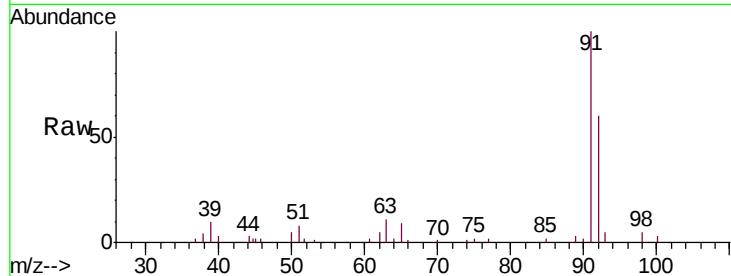
MDL01

Tgt Ion: 91 Resp: 13423

Ion Ratio Lower Upper

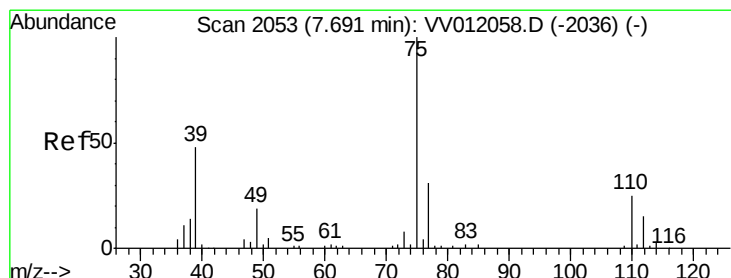
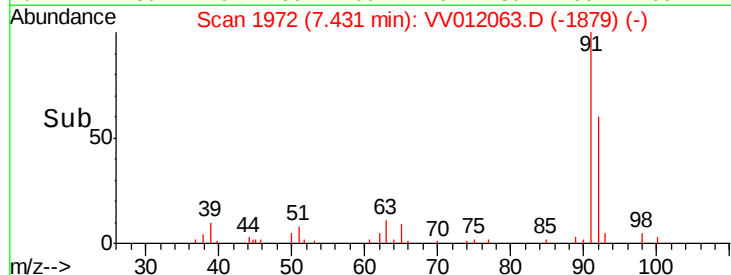
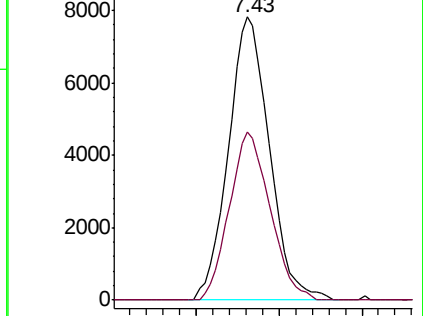
91 100

92 59.5 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.318 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012063.D

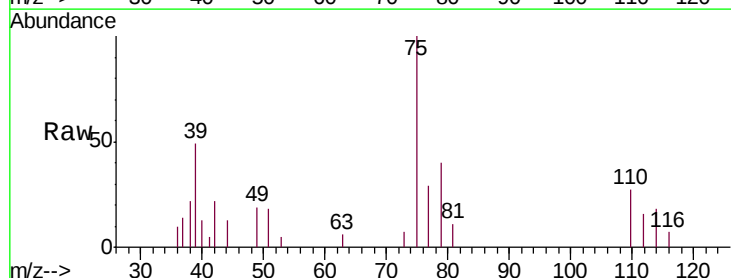
Acq: 29 Jul 2019 15:34

Tgt Ion: 75 Resp: 4286

Ion Ratio Lower Upper

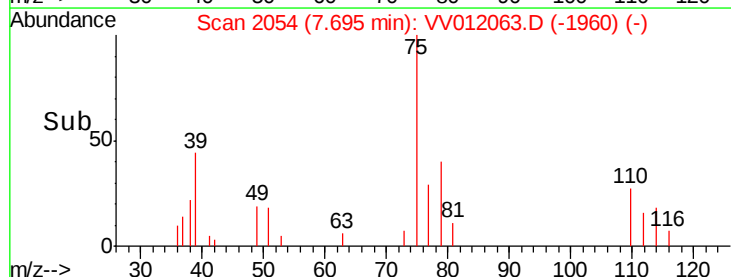
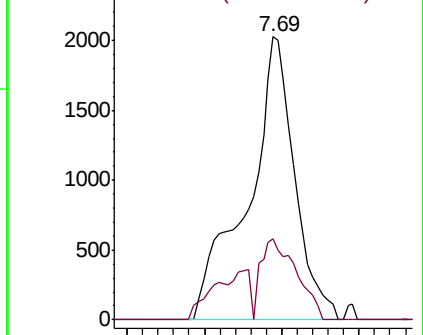
75 100

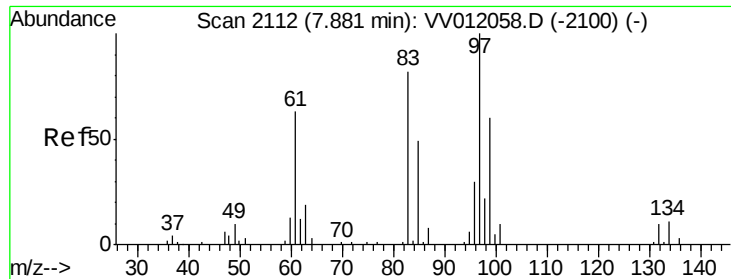
77 28.5 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

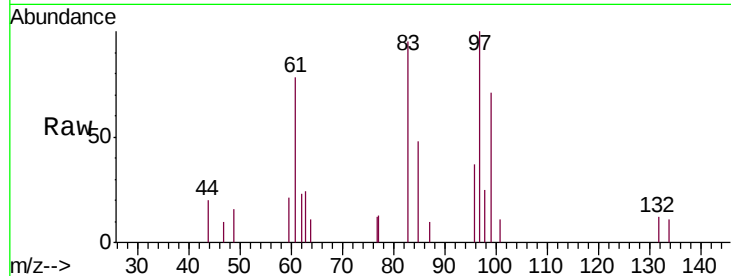




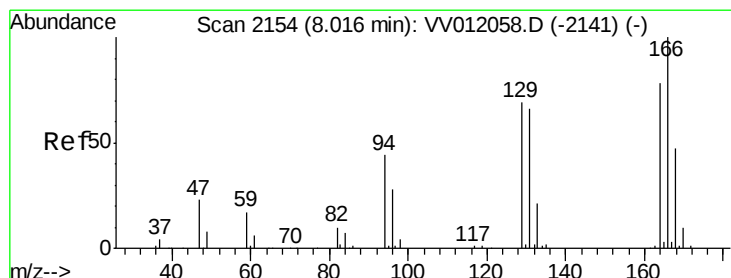
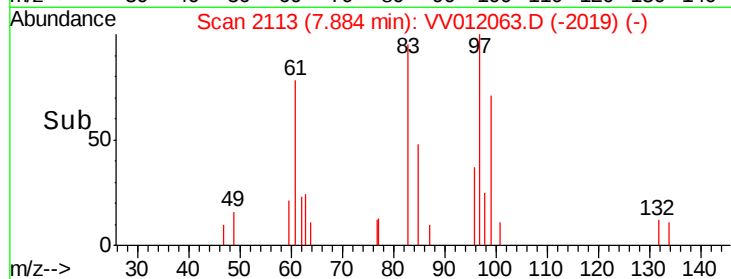
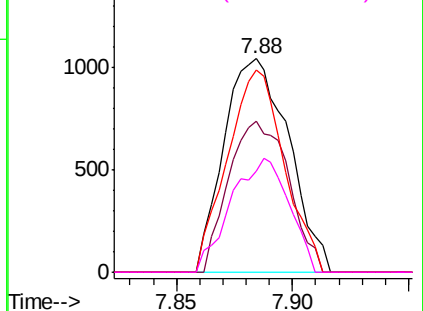
#45
 1,1,2-Trichloroethane
 Concen: 0.249 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 97 Resp: 2017
 Ion Ratio Lower Upper
 97 100
 99 70.6 42.0 78.0
 83 94.5 57.6 107.0
 85 47.6 34.6 64.2

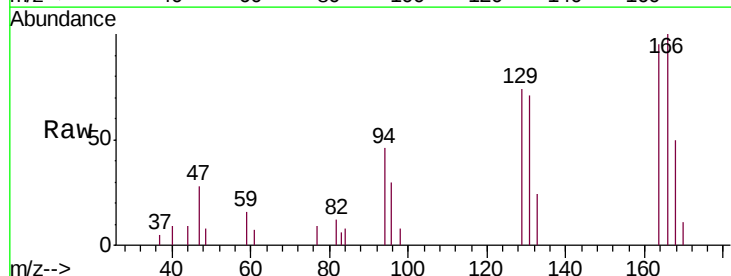


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

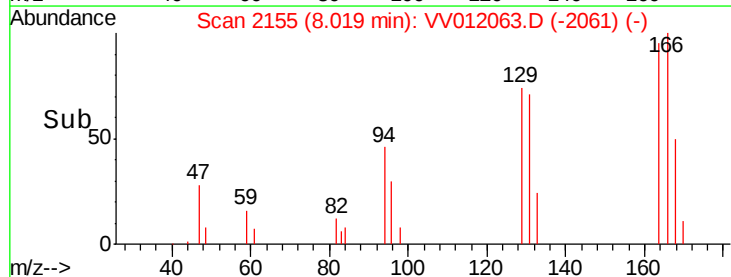
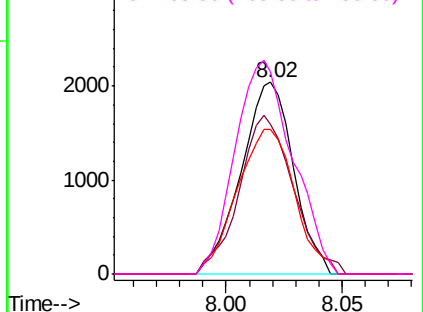


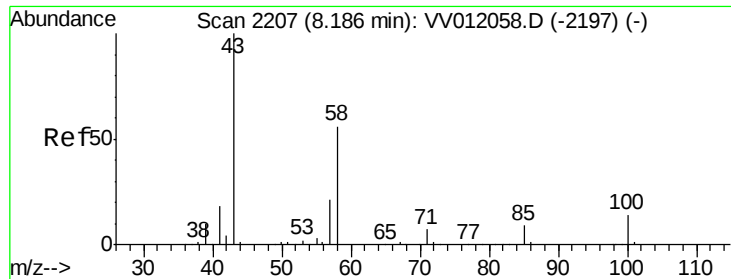
#47
 Tetrachloroethene
 Concen: 0.279 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 164 Resp: 3203
 Ion Ratio Lower Upper
 164 100
 129 77.9 61.9 114.9
 131 75.4 59.4 110.4
 166 105.7 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

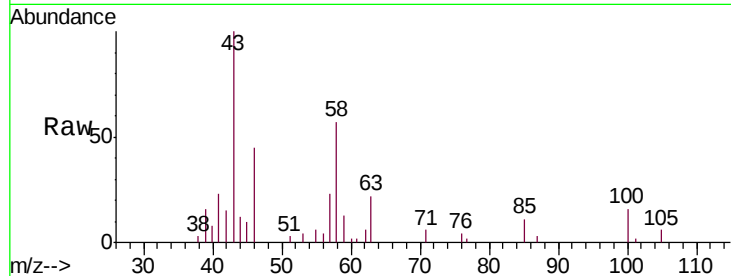




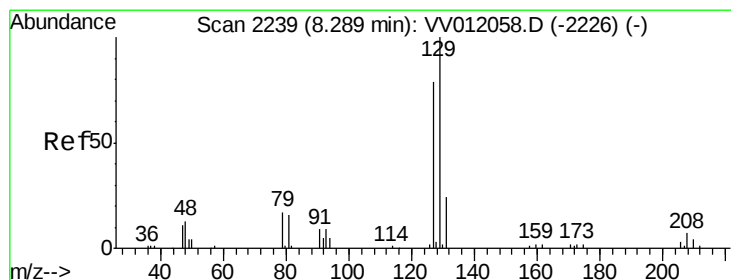
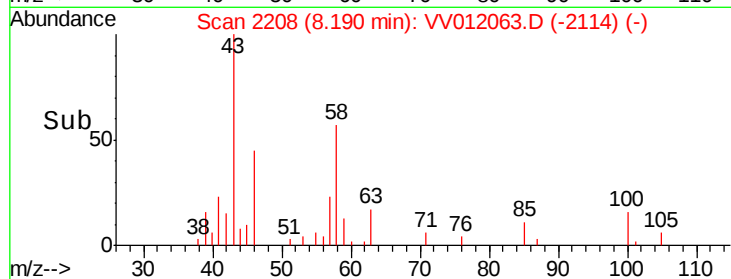
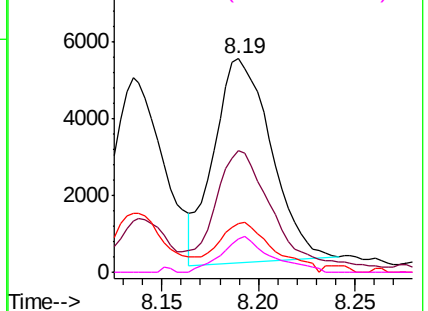
#48
2-Hexanone
Concen: 2.576 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 43 Resp: 10929
Ion Ratio Lower Upper
43 100
58 63.6 44.1 66.1
57 23.8 16.1 24.1
100 15.2 11.3 16.9

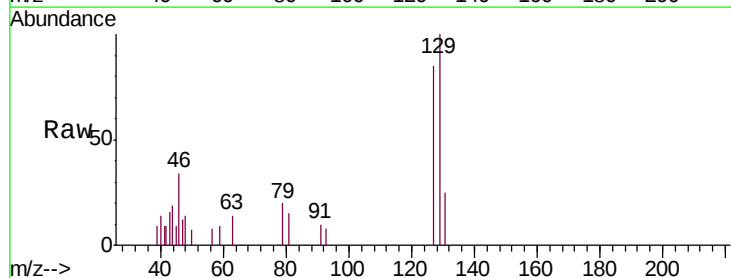


Abundance Ion 43.05 (42.75 to 43.75): VV012063.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV012063.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV012063.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV012063.D (-2114) (-)

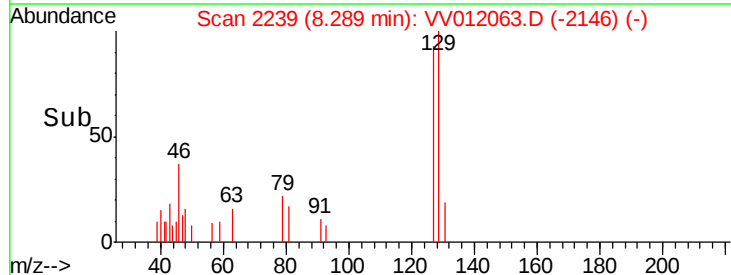
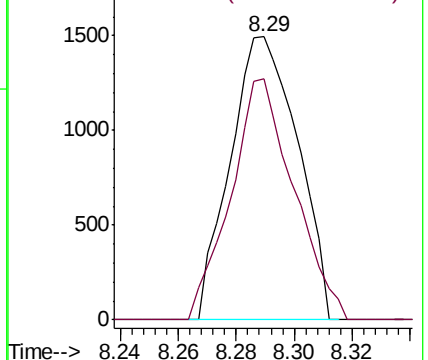


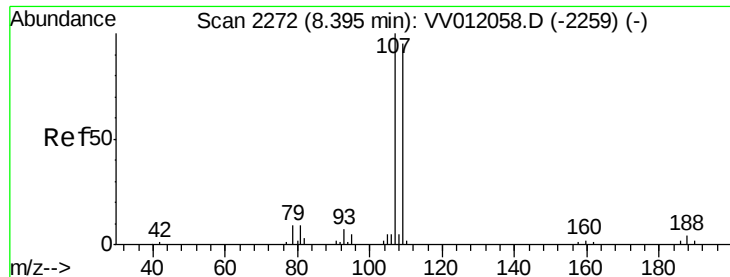
#49
Dibromochloromethane
Concen: 0.242 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 129 Resp: 2409
Ion Ratio Lower Upper
129 100
127 85.0 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012063.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012063.D (-2146) (-)

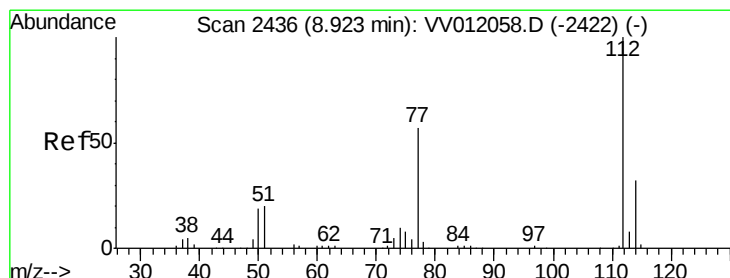
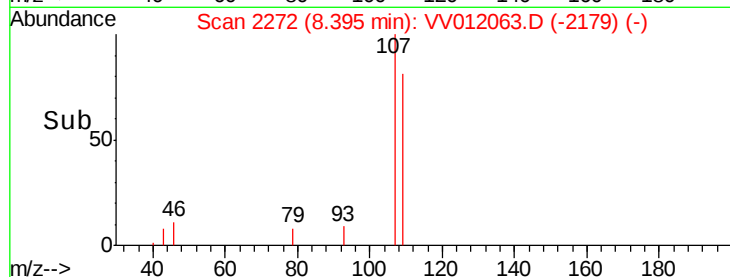
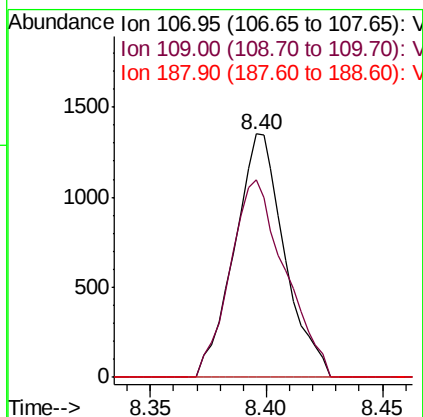
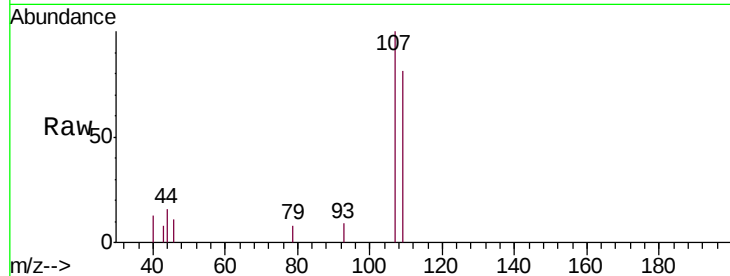




#50
1,2-Dibromoethane
Concen: 0.267 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

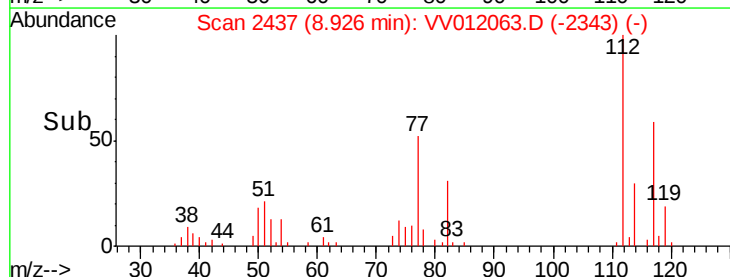
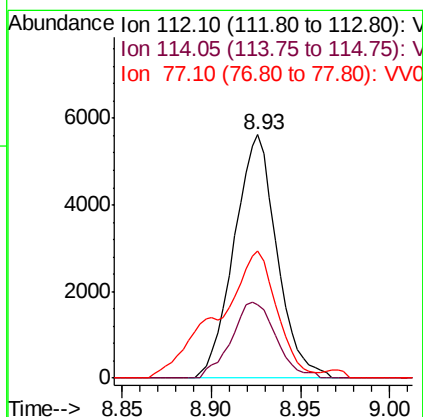
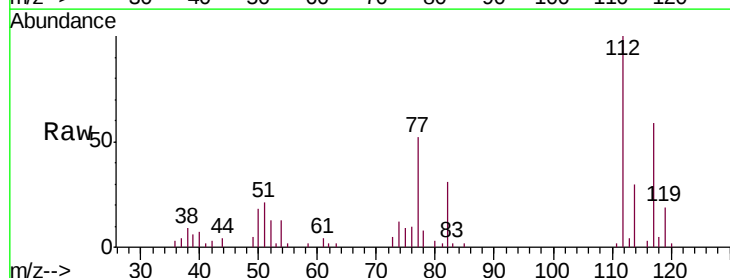
Instrument :
MSVOA_V
ClientSampleId :
MDL01

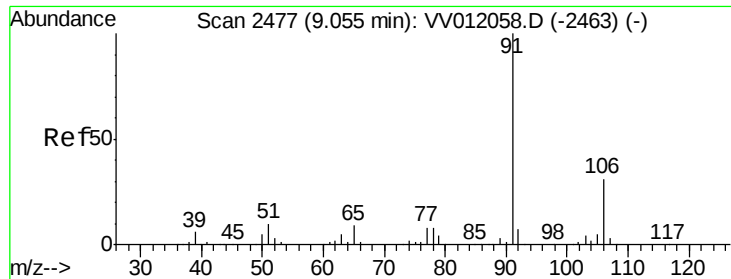
Tgt Ion:107 Resp: 2022
Ion Ratio Lower Upper
107 100
109 81.4 66.3 123.1
188 0.0 3.4 5.0#



#51
Chlorobenzene
Concen: 0.275 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion:112 Resp: 9390
Ion Ratio Lower Upper
112 100
114 30.2 22.1 41.1
77 52.0 45.9 68.9





#52

Ethylbenzene

Concen: 0.237 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

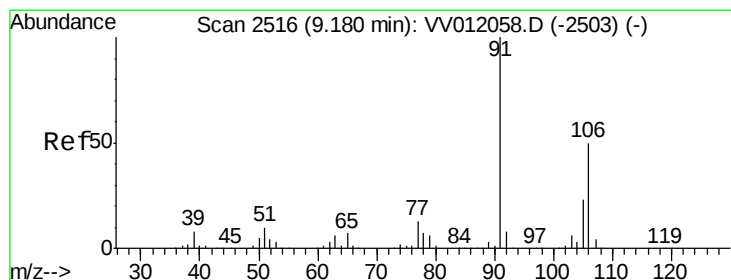
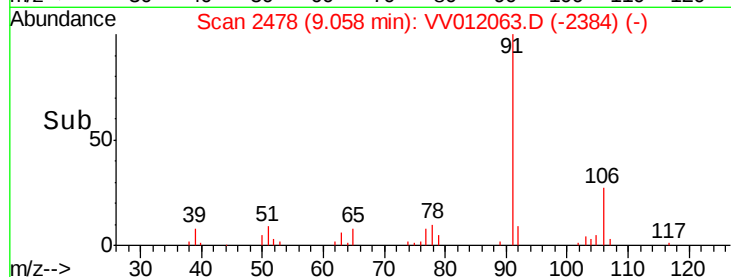
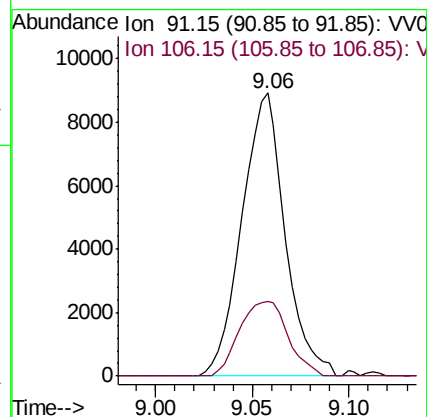
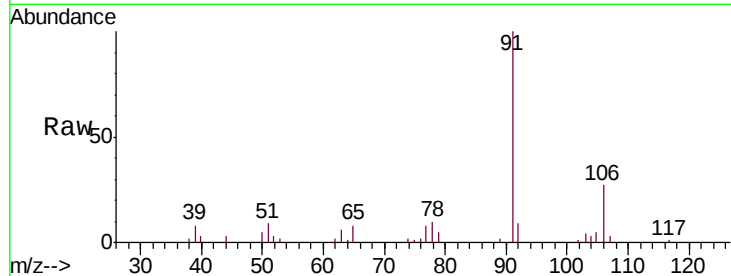
MDL01

Tgt Ion: 91 Resp: 13828

Ion Ratio Lower Upper

91 100

106 26.6 21.6 40.2



#53

m,p-xylene

Concen: 0.251 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012063.D

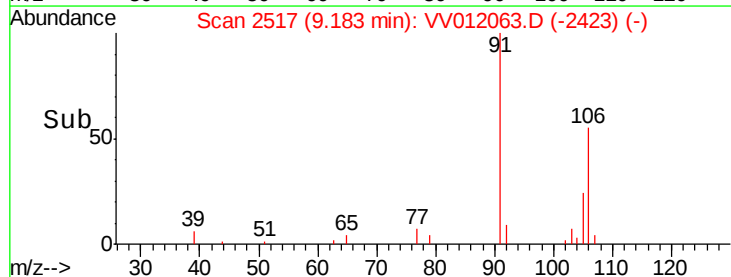
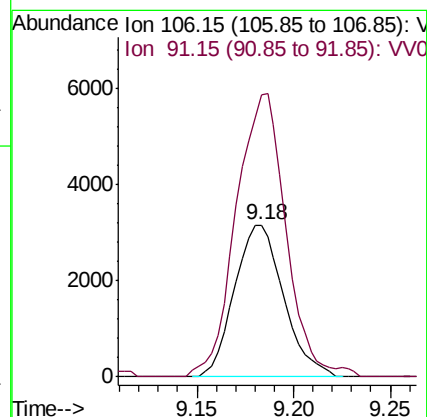
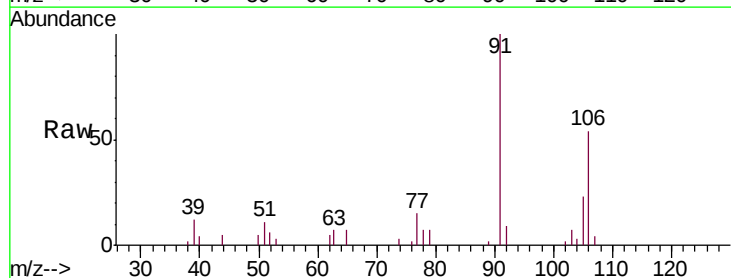
Acq: 29 Jul 2019 15:34

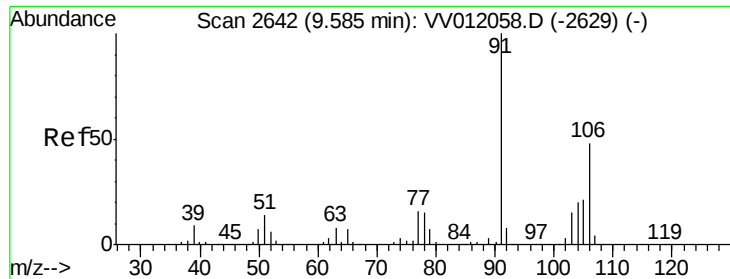
Tgt Ion: 106 Resp: 5568

Ion Ratio Lower Upper

106 100

91 185.7 141.6 263.0





#54

o-xylene

Concen: 0.233 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

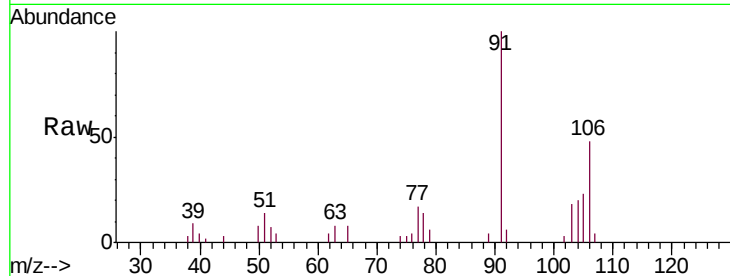
MDL01

Tgt Ion:106 Resp: 4908

Ion Ratio Lower Upper

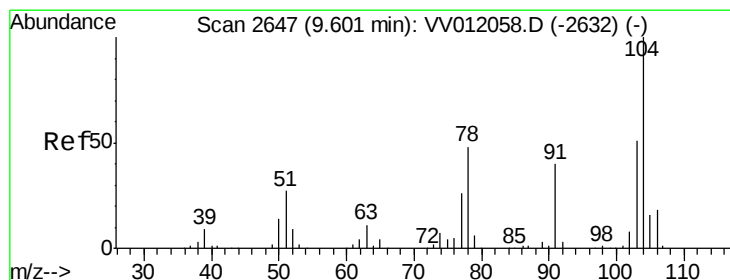
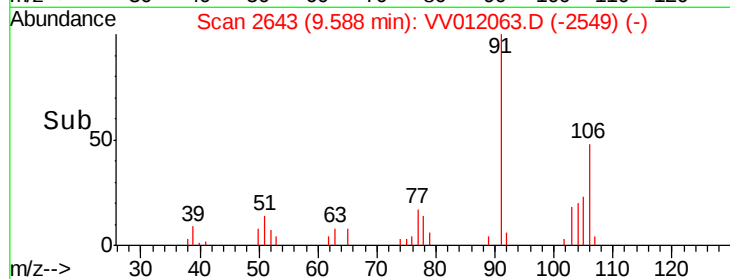
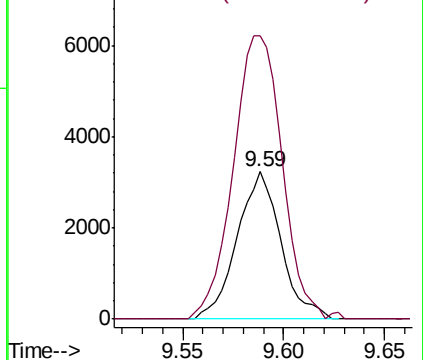
106 100

91 192.3 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.229 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012063.D

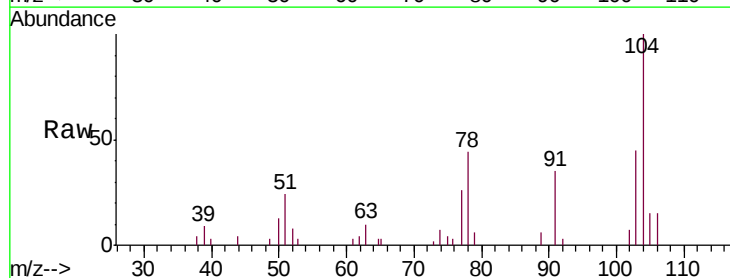
Acq: 29 Jul 2019 15:34

Tgt Ion:104 Resp: 8097

Ion Ratio Lower Upper

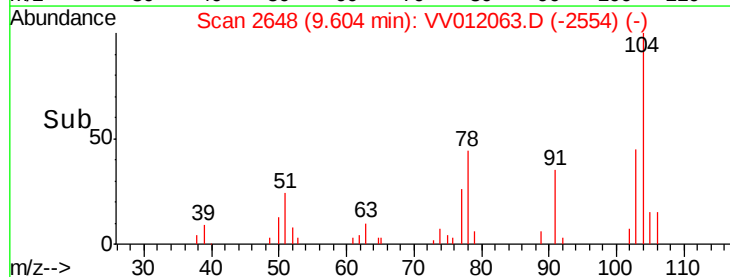
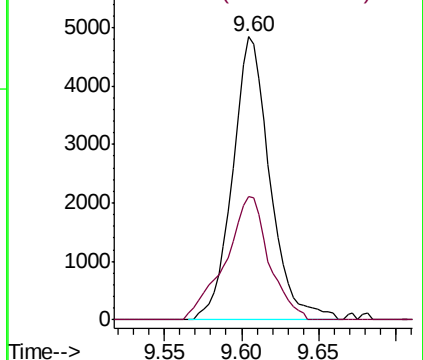
104 100

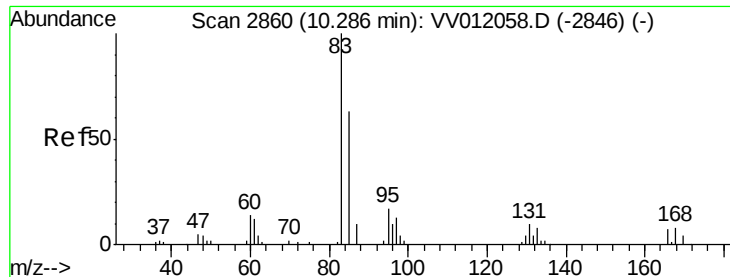
78 43.8 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.281 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

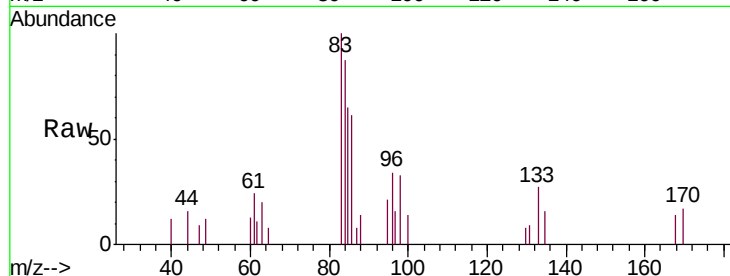
Tgt Ion: 83 Resp: 2451

Ion Ratio Lower Upper

83 100

85 64.9 44.0 81.6

131 8.7 8.3 12.5

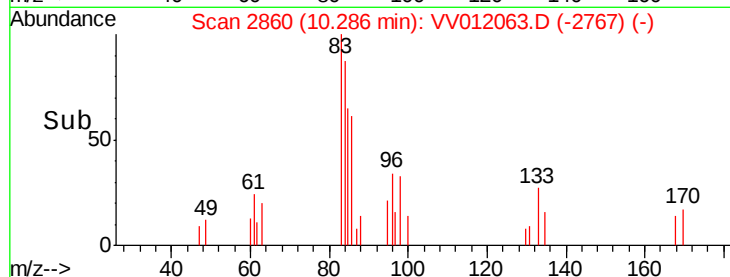


Abundance Ion 82.95 (82.65 to 83.65): VV012058.D (-2846) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-2846) (-)

Ion 130.95 (130.65 to 131.65): VV012058.D (-2846) (-)

Time-->

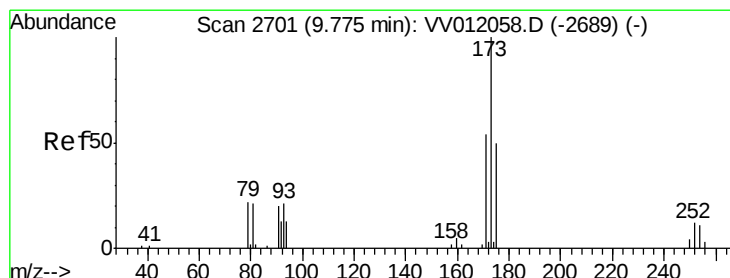


Abundance Ion 82.95 (82.65 to 83.65): VV012063.D (-2767) (-)

Ion 85.00 (84.70 to 85.70): VV012063.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV012063.D (-2767) (-)

Time-->



#59

Bromoform

Concen: 0.234 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

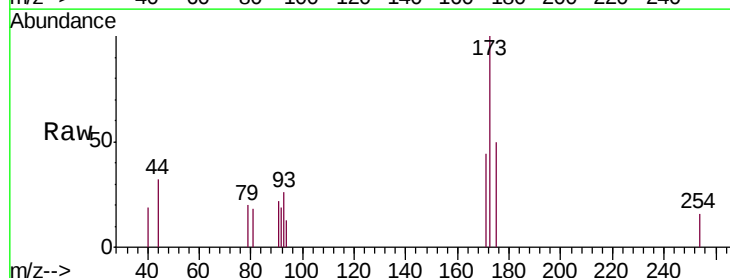
Tgt Ion: 173 Resp: 1215

Ion Ratio Lower Upper

173 100

175 41.2 38.3 57.5

254 5.7 8.6 13.0#

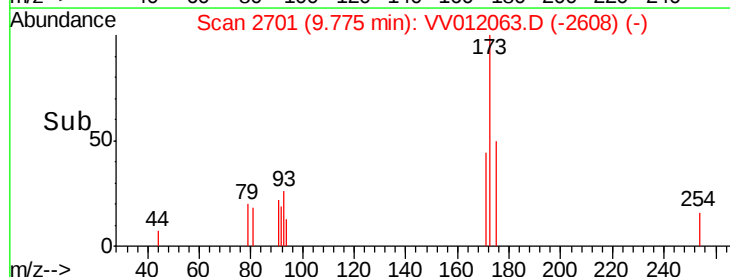


Abundance Ion 172.90 (172.60 to 173.60): VV012058.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV012058.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012058.D (-2689) (-)

Time-->

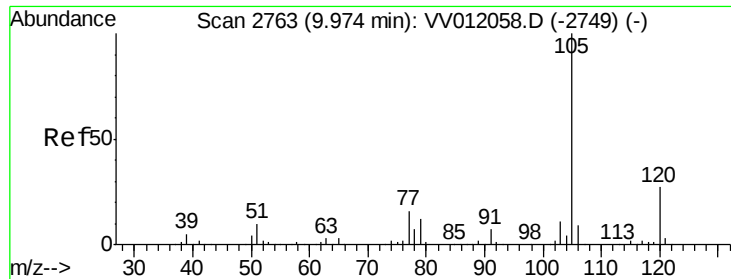


Abundance Ion 172.90 (172.60 to 173.60): VV012063.D (-2608) (-)

Ion 174.90 (174.60 to 175.60): VV012063.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012063.D (-2608) (-)

Time-->



#60

Isopropylbenzene

Concen: 0.250 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

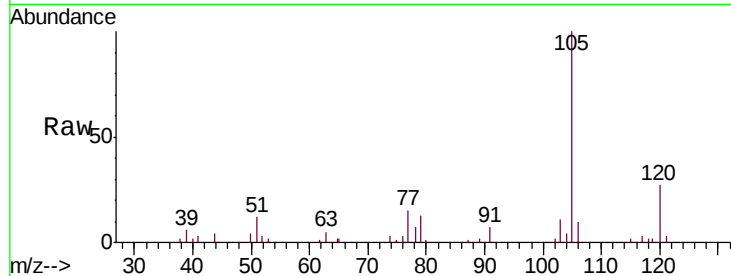
Tgt Ion:105 Resp: 13696

Ion Ratio Lower Upper

105 100

120 25.4 21.5 32.3

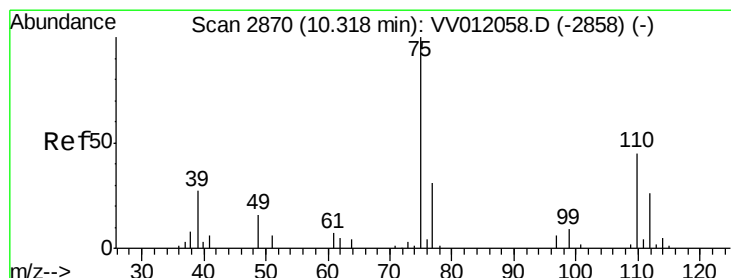
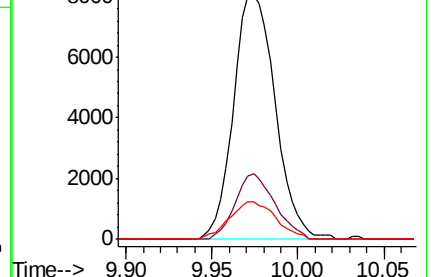
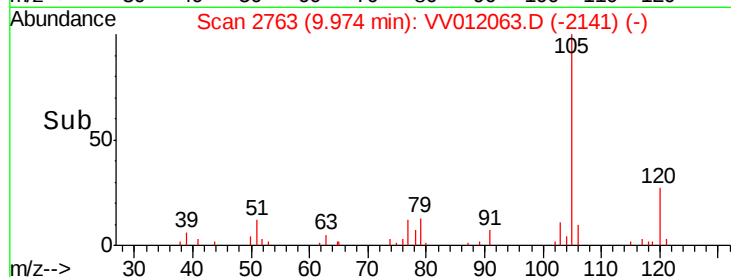
77 16.9 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): VV012058.D (-2749) (-)

Ion 120.00 (119.70 to 120.70): VV012058.D (-2749) (-)

Ion 77.00 (76.70 to 77.70): VV012058.D (-2749) (-)



#61

1,2,3-Trichloropropane

Concen: 0.259 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

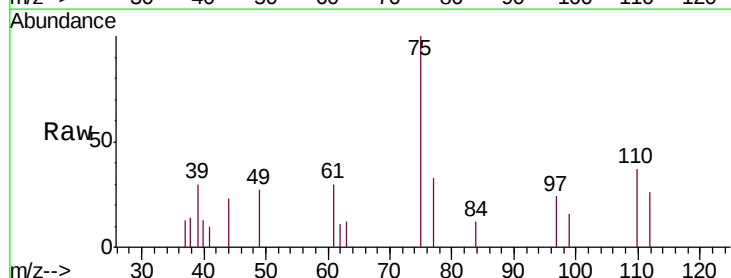
Tgt Ion: 75 Resp: 1616

Ion Ratio Lower Upper

75 100

77 35.0 26.8 40.2

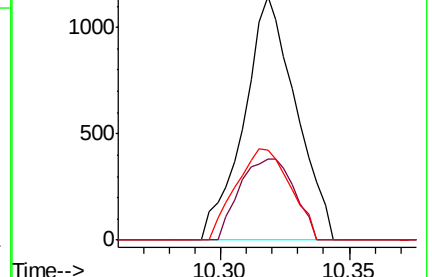
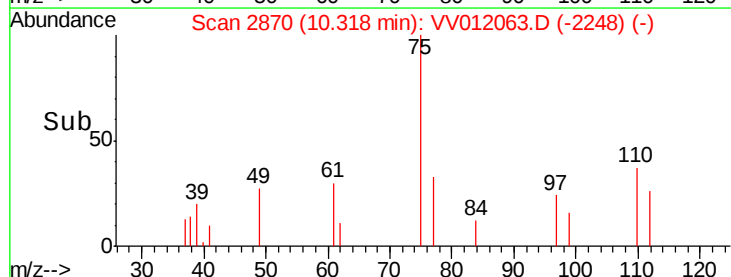
110 39.1 35.0 52.6

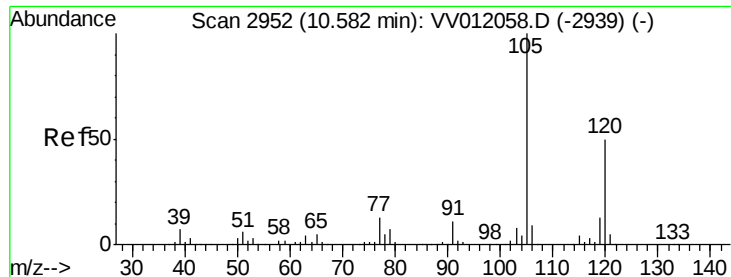


Abundance Ion 75.00 (74.70 to 75.70): VV012058.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012058.D (-2858) (-)

Ion 110.00 (109.70 to 110.70): VV012058.D (-2858) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.236 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

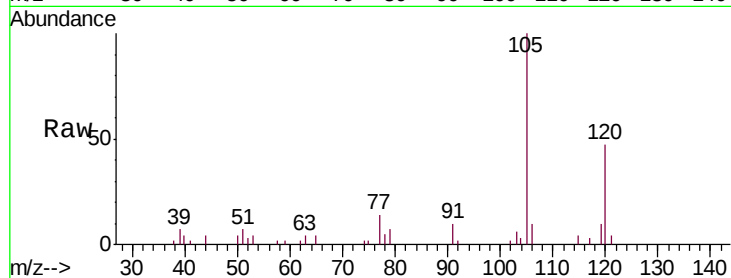
MDL01

Tgt Ion:105 Resp: 10655

Ion Ratio Lower Upper

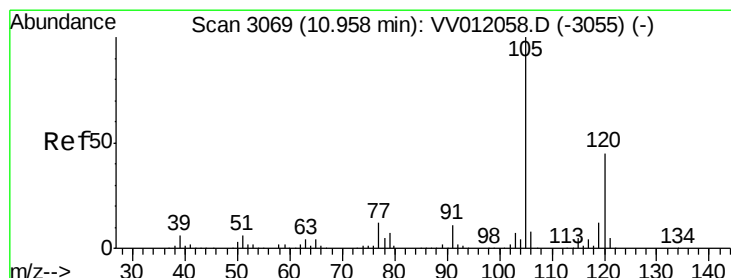
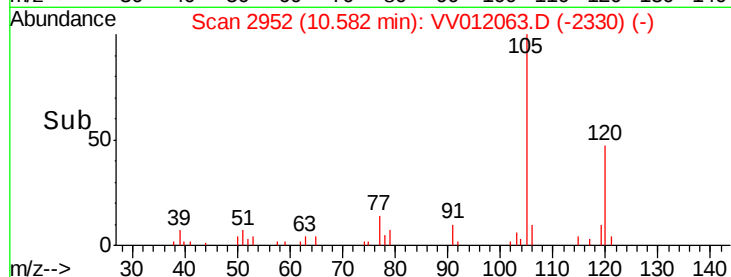
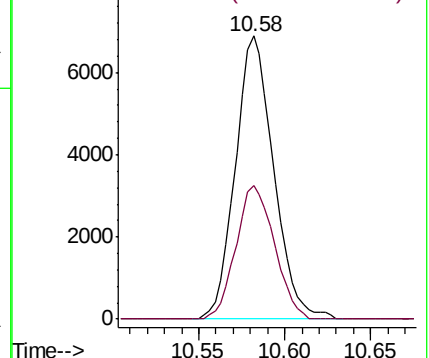
105 100

120 47.2 40.1 60.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.213 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012063.D

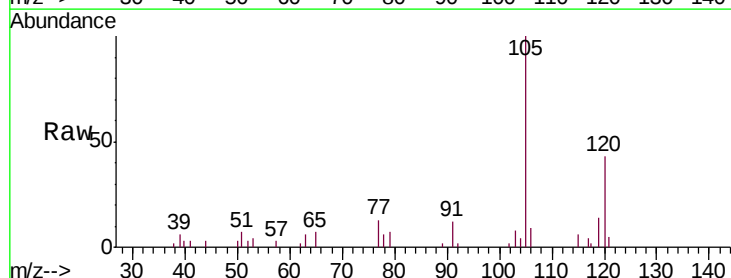
Acq: 29 Jul 2019 15:34

Tgt Ion:105 Resp: 9557

Ion Ratio Lower Upper

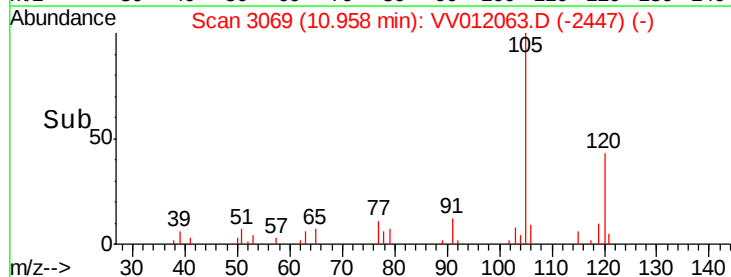
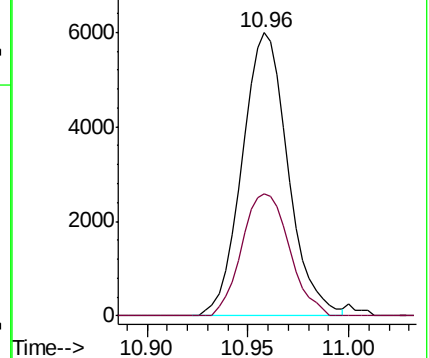
105 100

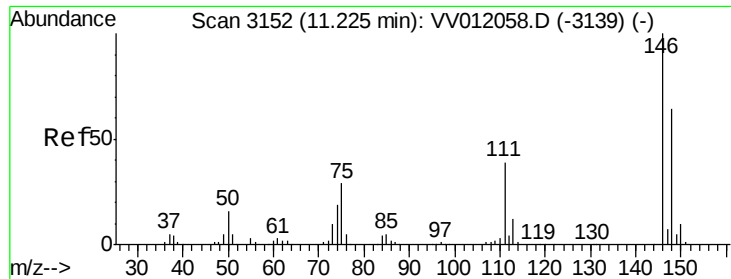
120 44.5 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

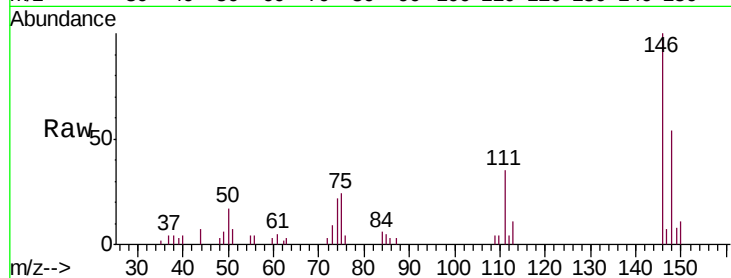




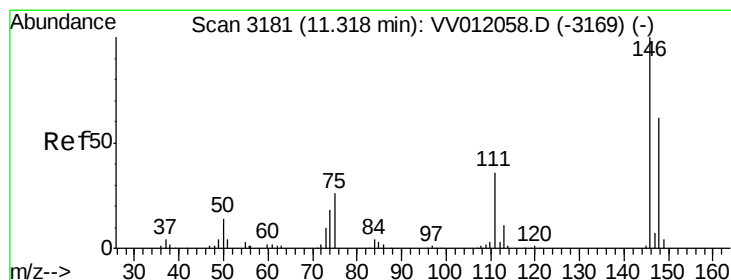
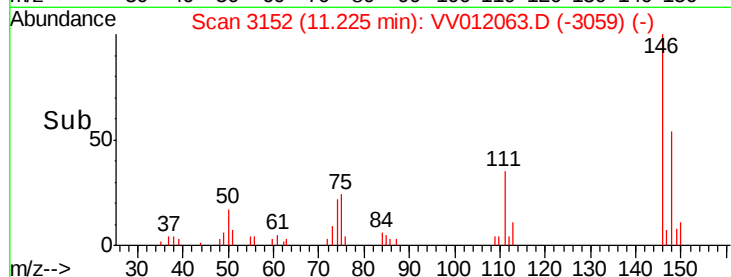
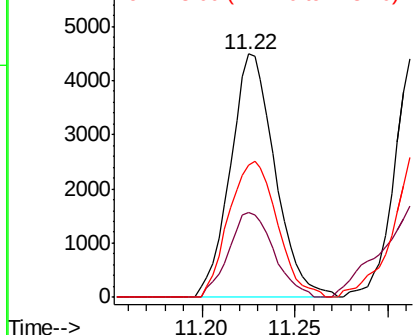
#64
 1,3-Dichlorobenzene
 Concen: 0.274 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:146 Resp: 7488
 Ion Ratio Lower Upper
 146 100
 111 34.9 27.2 50.6
 148 54.2 44.5 82.7

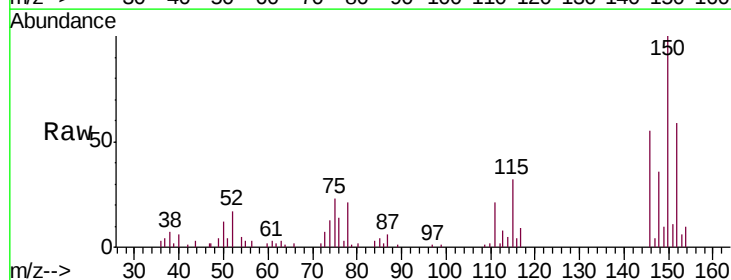


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

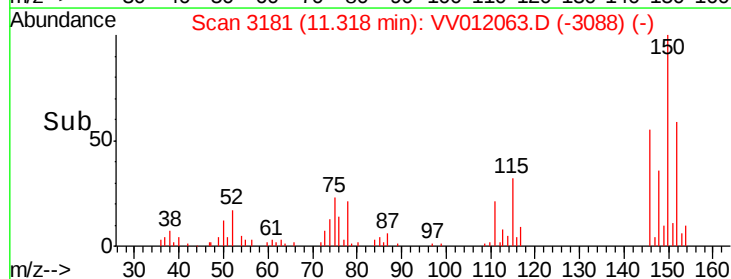
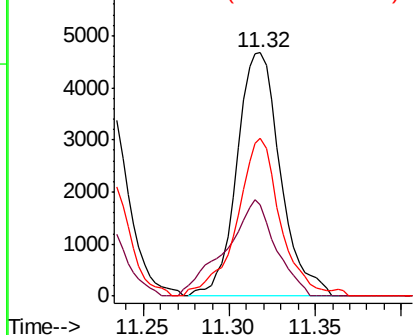


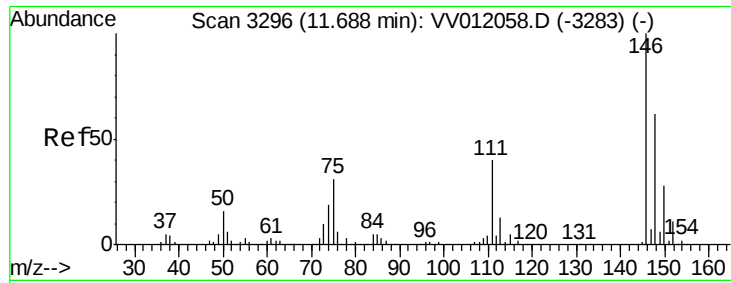
#65
 1,4-Dichlorobenzene
 Concen: 0.296 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion:146 Resp: 8235
 Ion Ratio Lower Upper
 146 100
 111 37.4 25.8 48.0
 148 64.8 43.8 81.3



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

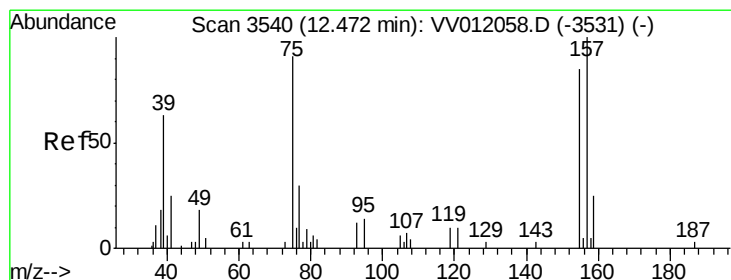
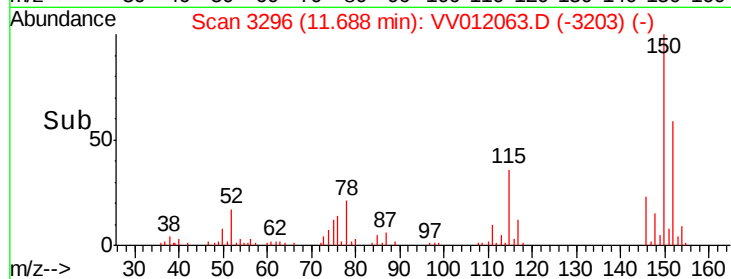
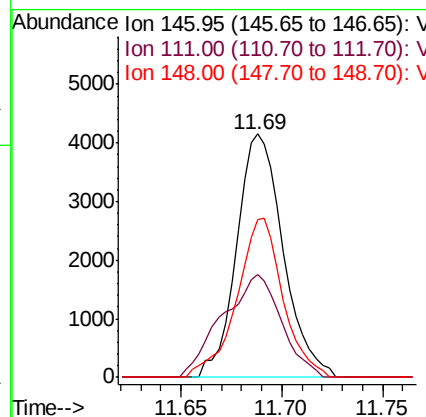
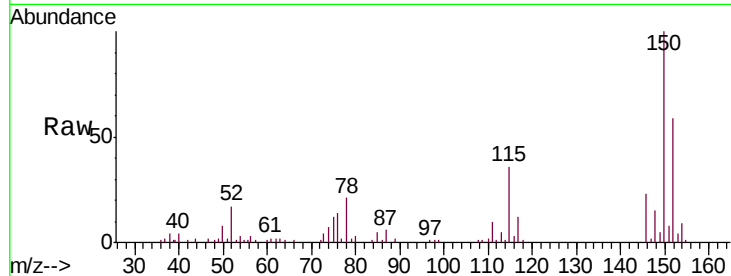




#67
 1,2-Dichlorobenzene
 Concen: 0.270 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

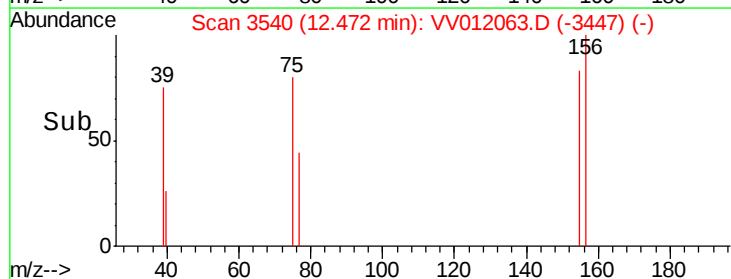
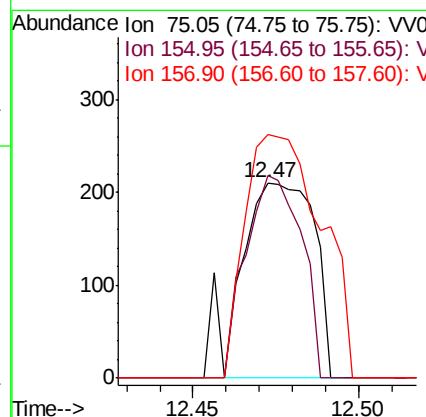
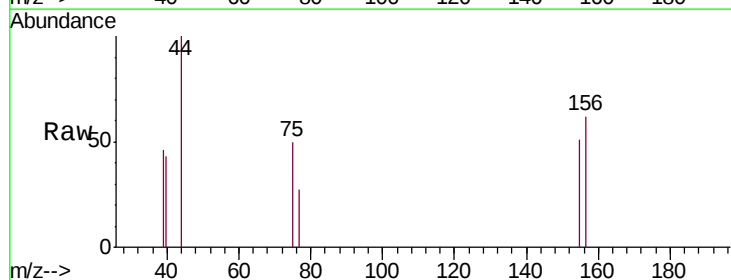
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

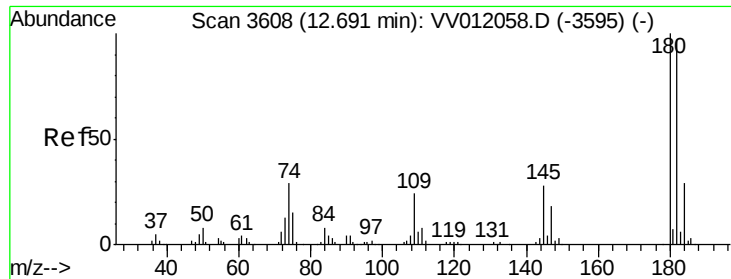
Tgt Ion: 146 Resp: 6695
 Ion Ratio Lower Upper
 146 100
 111 42.1 32.4 48.6
 148 64.8 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.254 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 75 Resp: 327
 Ion Ratio Lower Upper
 75 100
 155 103.8 75.0 112.6
 157 124.8 87.8 131.6

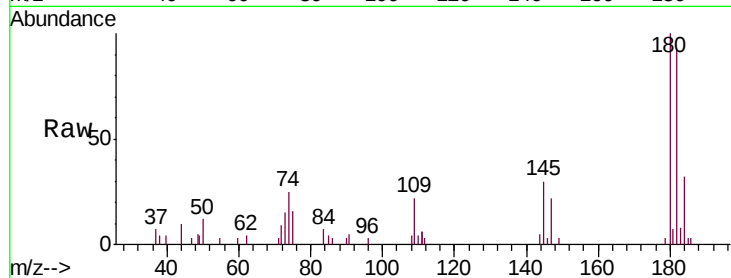




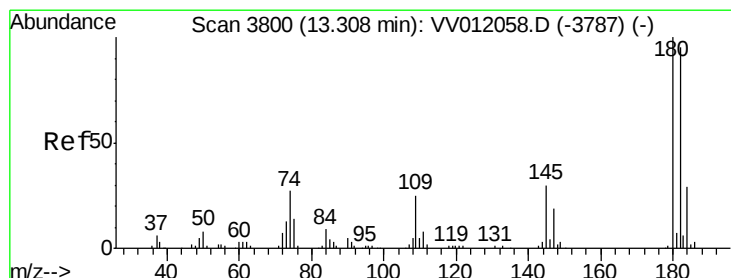
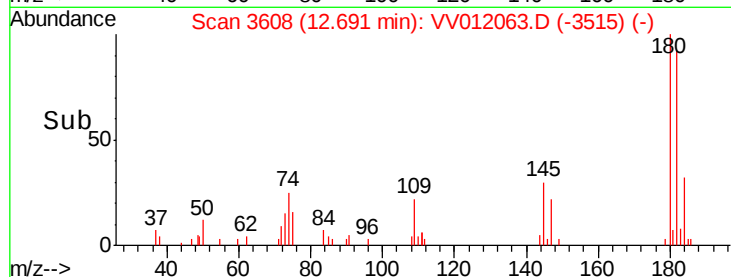
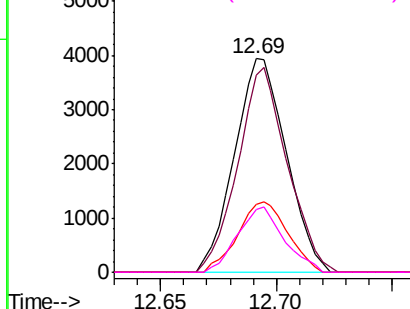
#69
 1,3,5-Trichlorobenzene
 Concen: 0.270 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:180 Resp: 6099
 Ion Ratio Lower Upper
 180 100
 182 91.5 77.1 115.7
 184 31.8 24.6 36.8
 145 27.5 22.8 34.2

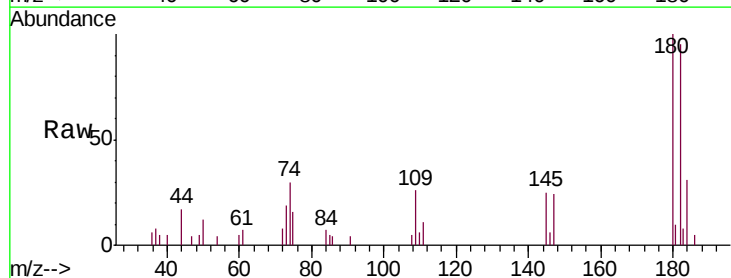


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

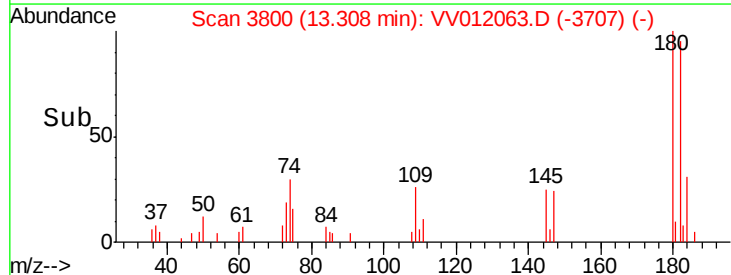
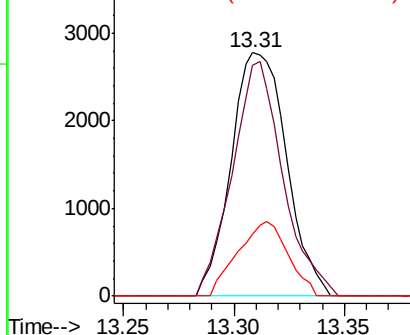


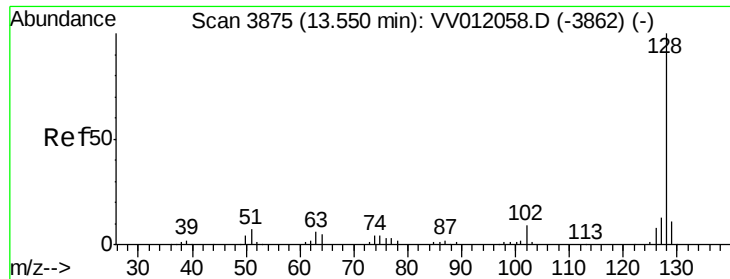
#70
 1,2,4-trichlorobenzene
 Concen: 0.270 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion:180 Resp: 4826
 Ion Ratio Lower Upper
 180 100
 182 88.2 76.1 114.1
 145 27.7 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

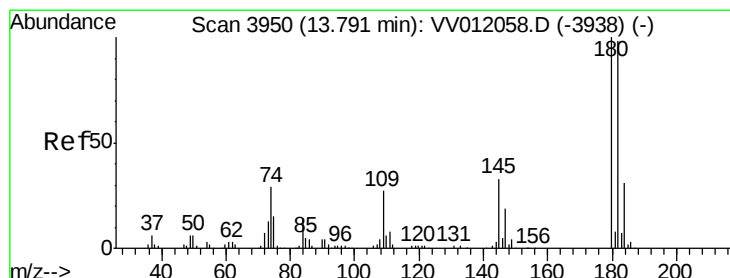
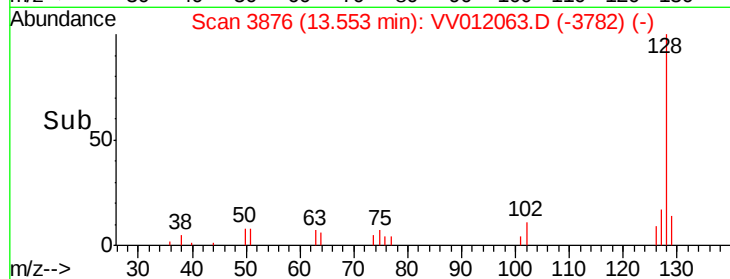
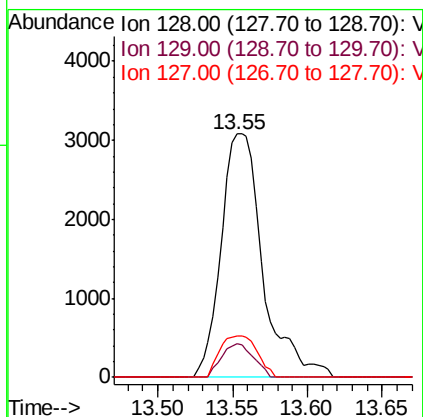
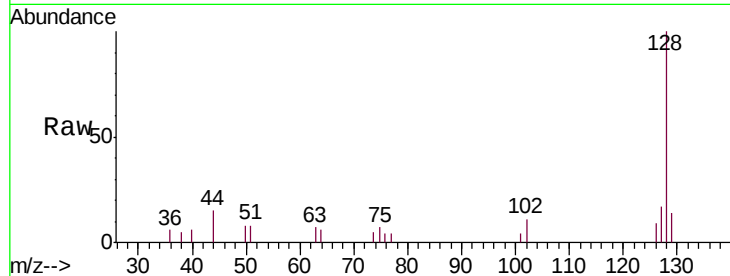




#71
Naphthalene
Concen: 0.242 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion:128 Resp: 5991
Ion Ratio Lower Upper
128 100
129 10.5 9.1 13.7
127 15.2 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.252 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion:180 Resp: 3990
Ion Ratio Lower Upper
180 100
182 95.3 78.5 117.7
145 35.0 25.8 38.8

