

Data File : VV012069.D
Acq On : 30 Jul 2019 11:39
Operator : SY/MD
Sample : MDL03
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Quant Time: Jul 31 09:25:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 09:22:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	123016	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	115785	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	59050	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32723	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	25100	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	51225	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.96	46	85405	54.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.02%
24) Chloroform-d	4.40	84	81460	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	46028	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.10	84	163703	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.12	67	45699	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.36	98	151857	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.66	79	18936	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.13	63	67865	53.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.62%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32483	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
66) 1,2-Dichlorobenzene-d4	11.67	152	61762	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3877	0.277 ug/L	93
3) Chloromethane	1.25	50	2085	0.260 ug/L	97
5) Vinyl chloride	1.32	62	2170	0.264 ug/L #	50
6) Bromomethane	1.54	94	1265	0.258 ug/L	86
8) Chloroethane	1.60	64	1229	0.275 ug/L	88
9) Trichlorofluoromethane	1.77	101	3963	0.282 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2191	0.359 ug/L #	80
12) 1,1-Dichloroethene	2.14	96	1925	0.341 ug/L #	1
13) Acetone	2.23	43	1801	2.070 ug/L	94
14) Carbon disulfide	2.32	76	4676	0.296 ug/L #	92
15) Methyl Acetate	2.46	43	465	0.260 ug/L #	60
16) Methylene chloride	2.54	84	2169	0.374 ug/L	88
17) Methyl tert-butyl Ether	2.81	73	4856	0.273 ug/L	95
18) trans-1,2-Dichloroethene	2.78	96	2163	0.266 ug/L	86
19) 1,1-Dichloroethane	3.23	63	4192	0.288 ug/L	94
21) 2-Butanone	4.06	43	3294	1.919 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	2389	0.276 ug/L	93

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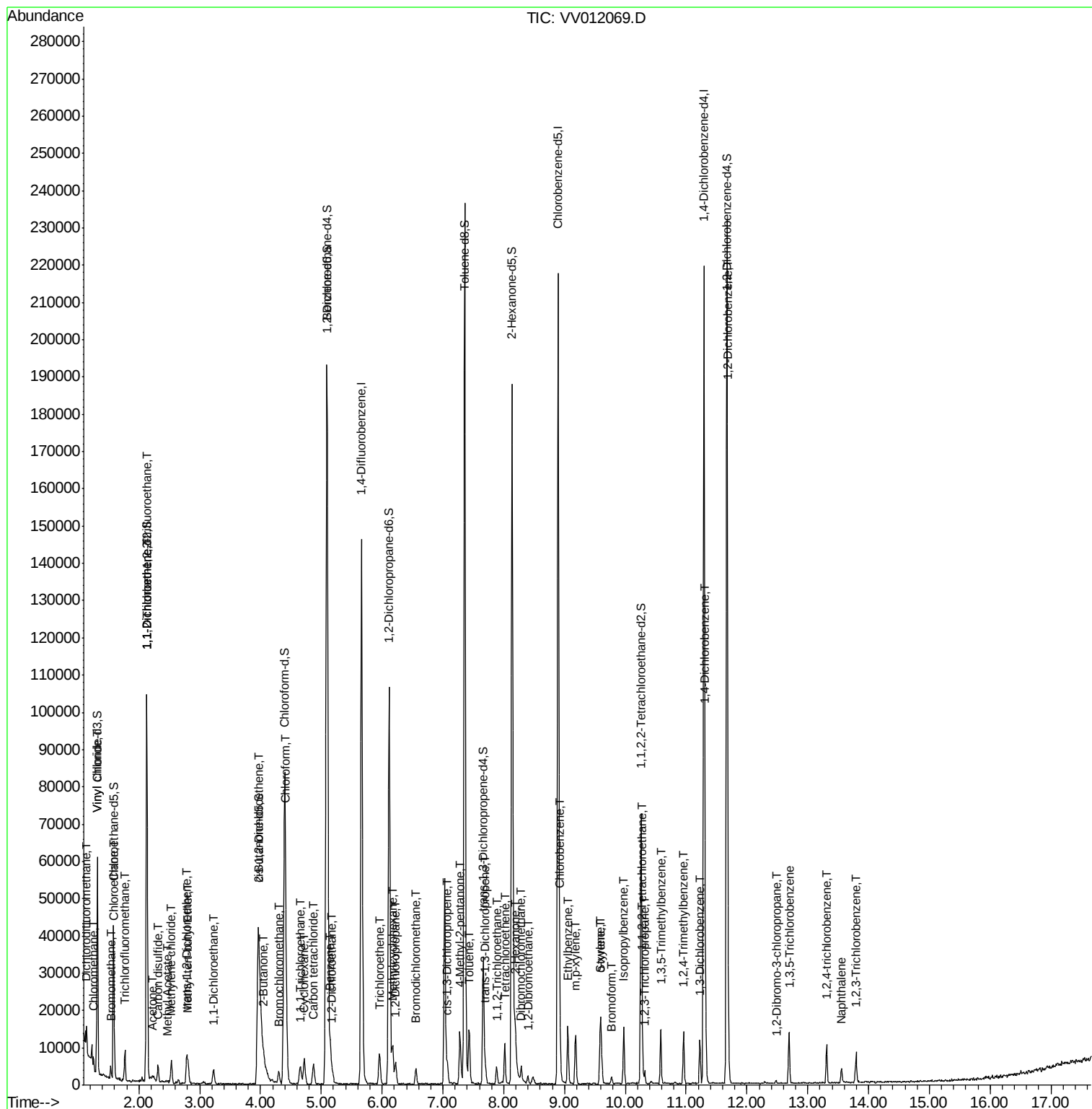
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	933	0.245	ug/L	94
25) Chloroform	4.42	83	10482	0.574	ug/L	90
27) 1,2-Dichloroethane	5.19	62	3030	0.301	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	4081	0.285	ug/L	99
30) Cyclohexane	4.71	56	3158	0.258	ug/L	90
31) Carbon tetrachloride	4.87	117	3563	0.277	ug/L	98
33) Benzene	5.15	78	8697	0.277	ug/L	100
34) Trichloroethene	5.96	95	2637	0.294	ug/L	93
35) Methylcyclohexane	6.17	83	3591	0.256	ug/L #	81
37) 1,2-Dichloropropane	6.23	63	1913	0.263	ug/L #	86
38) Bromodichloromethane	6.56	83	2904	0.283	ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	2710	0.238	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	9968	2.429	ug/L #	87
42) Toluene	7.43	91	10146	0.290	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	3132	0.340	ug/L	88
45) 1,1,2-Trichloroethane	7.88	97	1495	0.269	ug/L	90
47) Tetrachloroethene	8.03	164	2545	0.325	ug/L #	46
48) 2-Hexanone	8.19	43	7745	2.670	ug/L #	91
49) Dibromochloromethane	8.29	129	1681	0.247	ug/L	89
50) 1,2-Dibromoethane	8.40	107	1340	0.258	ug/L #	99
51) Chlorobenzene	8.93	112	6310	0.270	ug/L	93
52) Ethylbenzene	9.05	91	10757	0.270	ug/L	96
53) m,p-xylene	9.18	106	4002	0.263	ug/L	91
54) o-xylene	9.59	106	3585	0.249	ug/L	91
55) Styrene	9.60	104	5451	0.225	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.29	83	1719	0.289	ug/L #	90
59) Bromoform	9.77	173	1081	0.303	ug/L #	92
60) Isopropylbenzene	9.97	105	9818	0.260	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1478	0.343	ug/L	93
62) 1,3,5-Trimethylbenzene	10.58	105	7418	0.238	ug/L	94
63) 1,2,4-Trimethylbenzene	10.95	105	7913	0.256	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	5330	0.284	ug/L	97
65) 1,4-Dichlorobenzene	11.32	146	5494	0.287	ug/L #	89
67) 1,2-Dichlorobenzene	11.69	146	5111	0.299	ug/L #	86
68) 1,2-Dibromo-3-chloropropan	12.49	75	151	0.170	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	4089	0.263	ug/L #	95
70) 1,2,4-trichlorobenzene	13.31	180	3183	0.259	ug/L	90
71) Naphthalene	13.55	128	3958	0.232	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.79	180	2807	0.257	ug/L	99

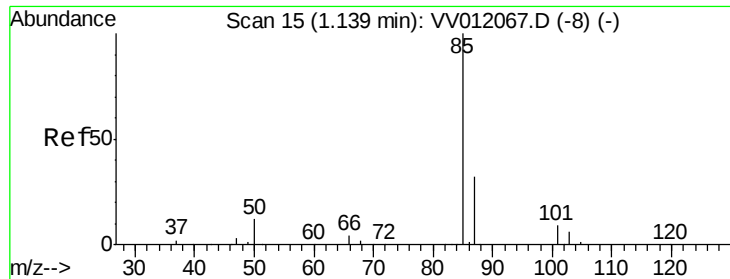
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.277 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

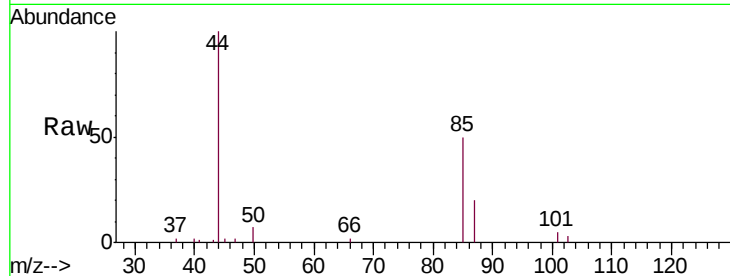
MDL03

Tgt Ion: 85 Resp: 3877

Ion Ratio Lower Upper

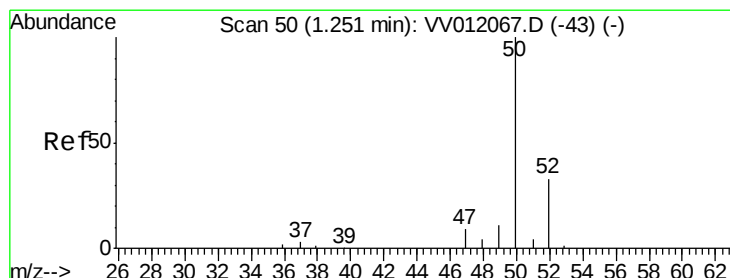
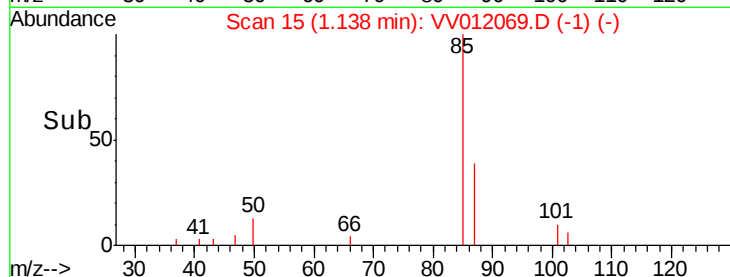
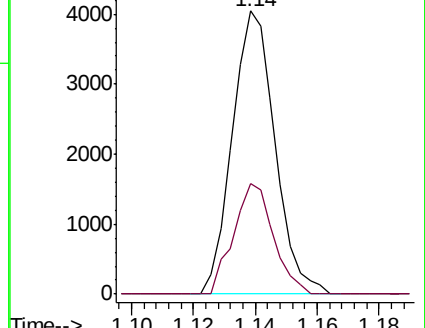
85 100

87 36.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012067.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012067.D (-8) (-)



#3

Chloromethane

Concen: 0.260 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012069.D

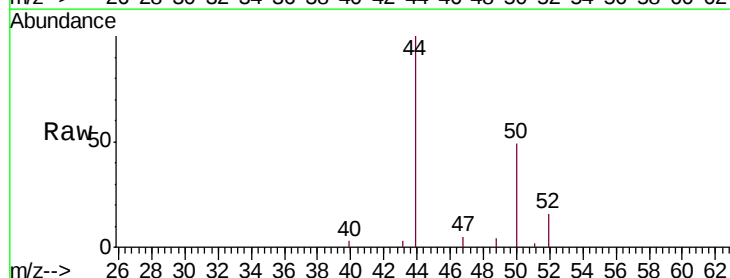
Acq: 30 Jul 2019 11:39

Tgt Ion: 50 Resp: 2085

Ion Ratio Lower Upper

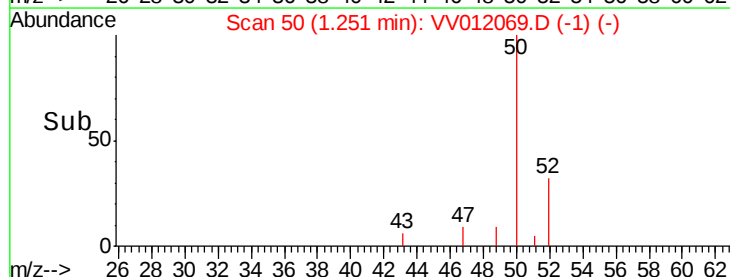
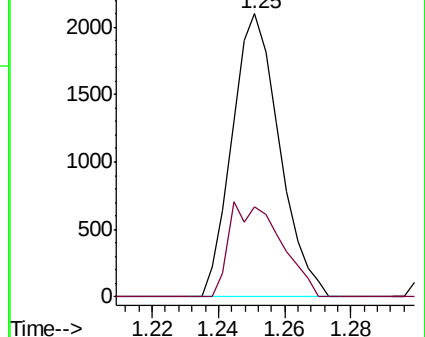
50 100

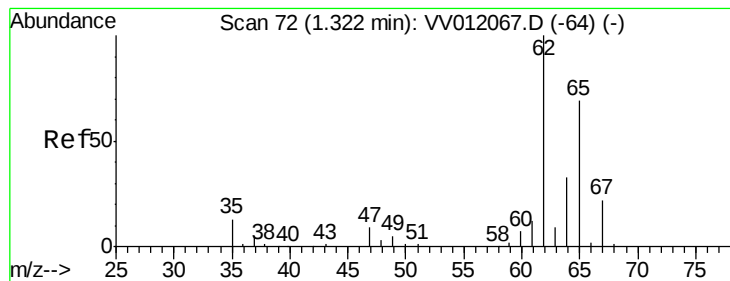
52 31.8 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012067.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV012067.D (-43) (-)





#5

Vinyl chloride

Concen: 0.264 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

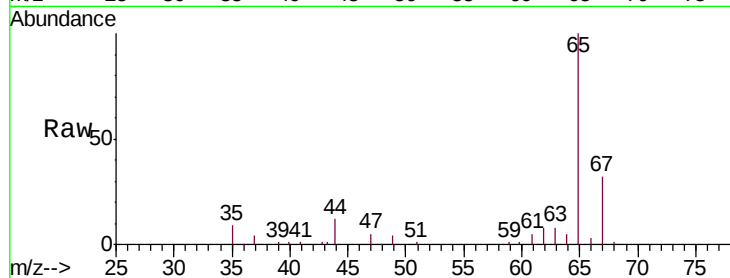
MDL03

Tgt Ion: 62 Resp: 2170

Ion Ratio Lower Upper

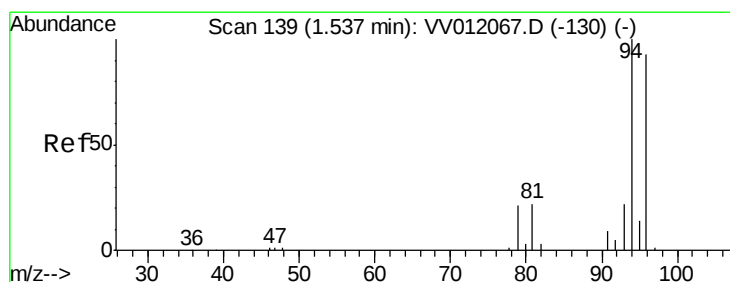
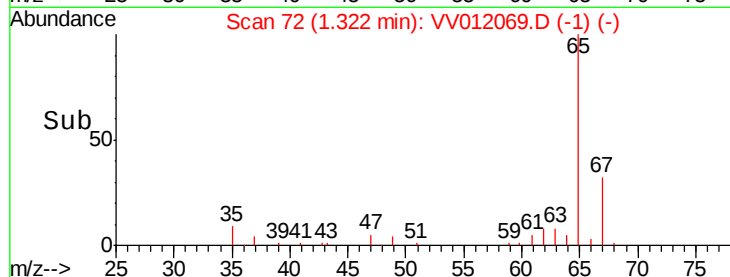
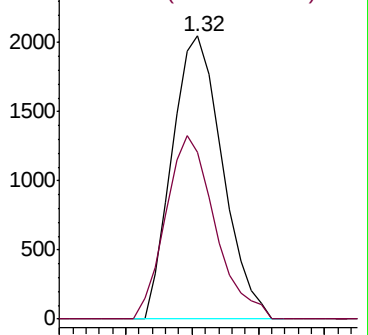
62 100

64 59.0 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: 0.258 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012069.D

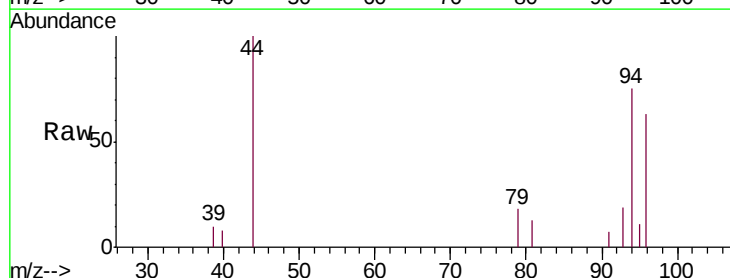
Acq: 30 Jul 2019 11:39

Tgt Ion: 94 Resp: 1265

Ion Ratio Lower Upper

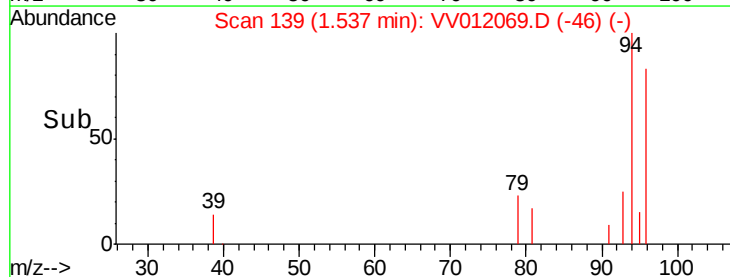
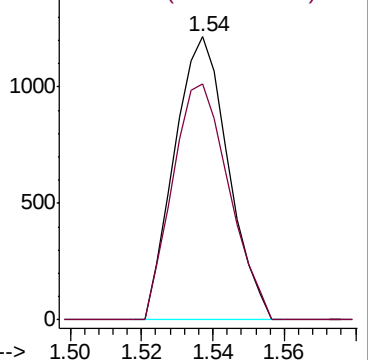
94 100

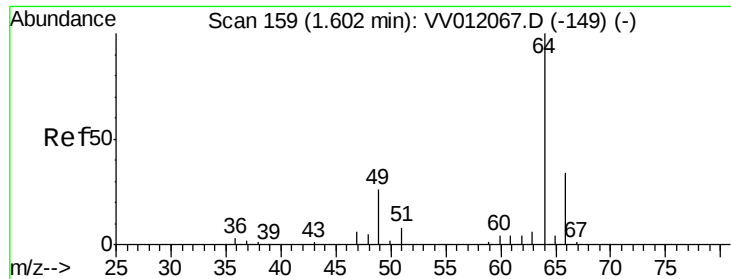
96 83.4 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

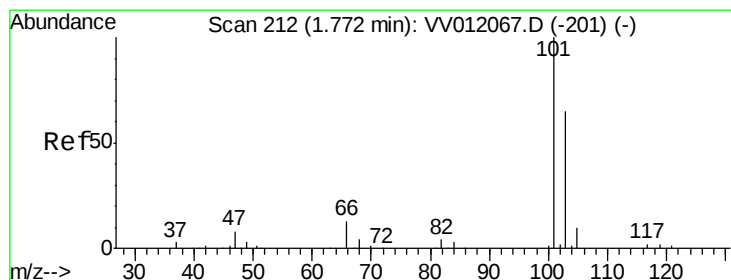
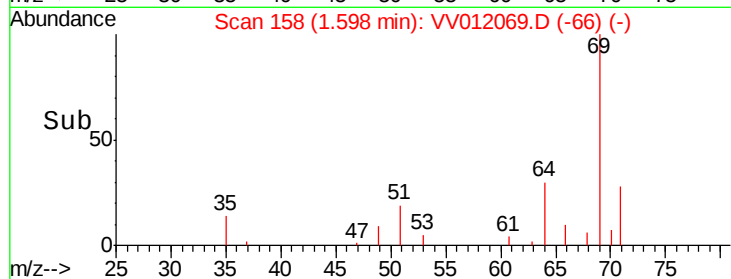
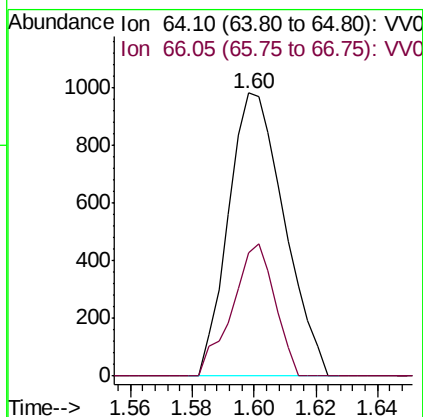
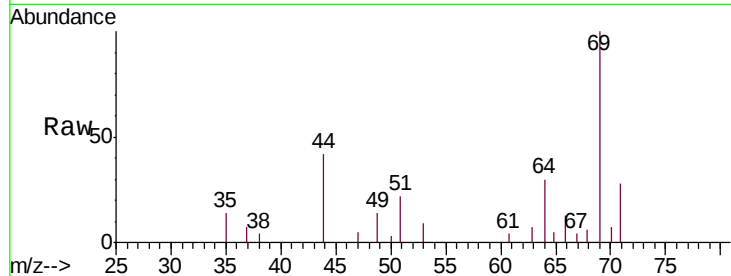




#8
Chloroethane
Concen: 0.275 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

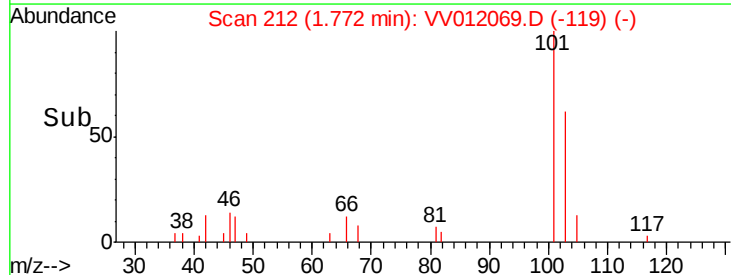
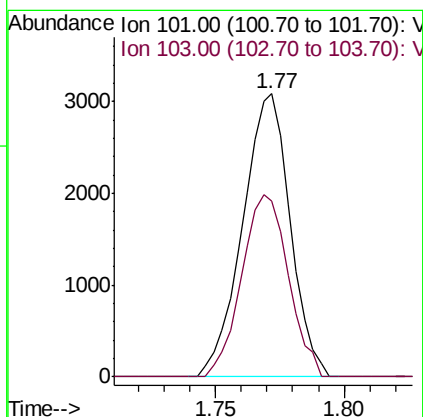
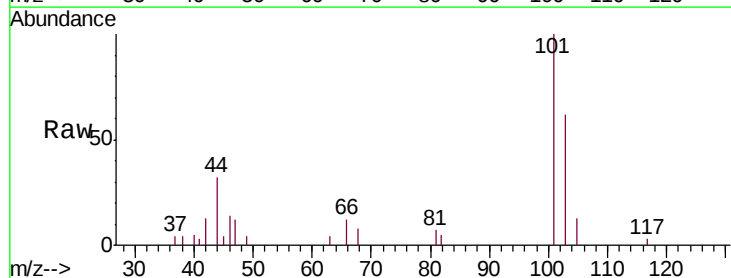
Instrument :
MSVOA_V
ClientSampled :
MDL03

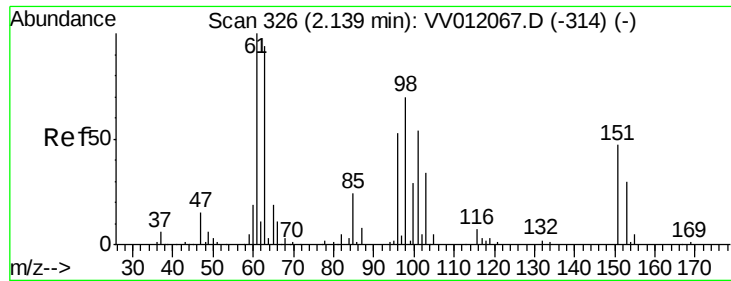
Tgt Ion: 64 Resp: 1229
Ion Ratio Lower Upper
64 100
66 37.5 21.7 40.3



#9
Trichlorofluoromethane
Concen: 0.282 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion: 101 Resp: 3963
Ion Ratio Lower Upper
101 100
103 63.2 52.6 79.0





#10

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

Concen: 0.359 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

MDL03

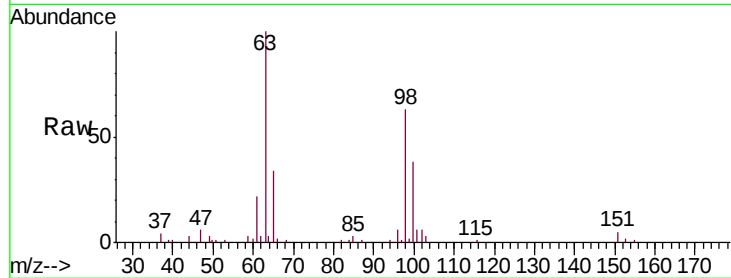
Tgt Ion:101 Resp: 2191

Ion Ratio Lower Upper

101 100

85 36.1 37.8 56.8#

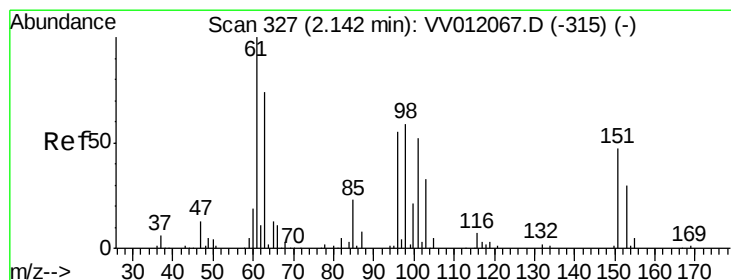
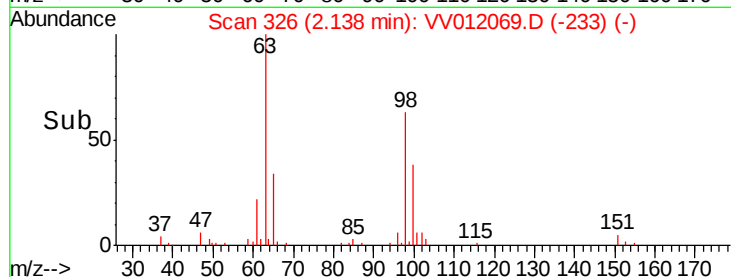
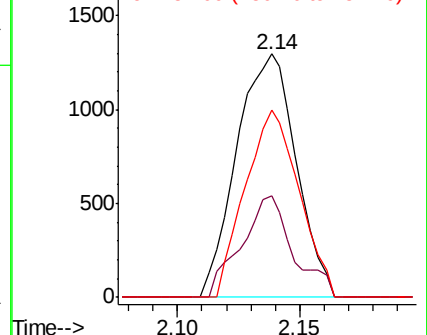
151 69.6 71.4 107.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.341 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

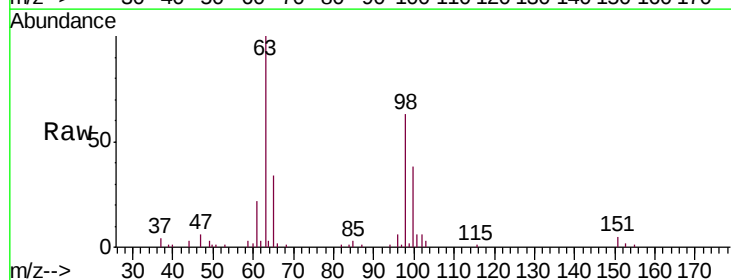
Tgt Ion: 96 Resp: 1925

Ion Ratio Lower Upper

96 100

61 349.0 127.8 237.4#

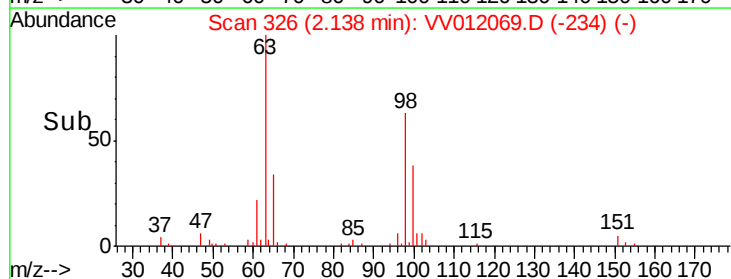
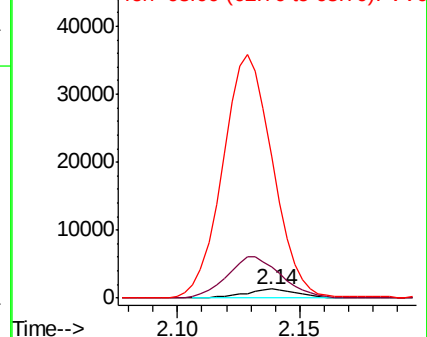
63 1603.7 92.7 172.3#

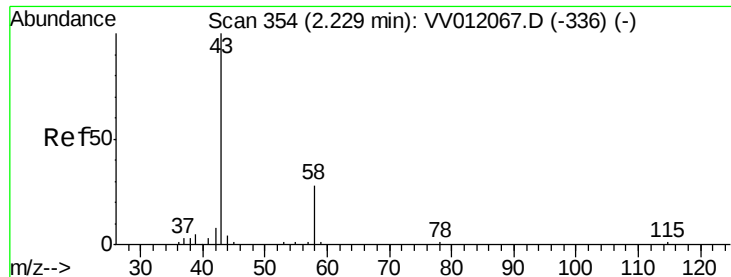


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.070 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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ClientSampled :

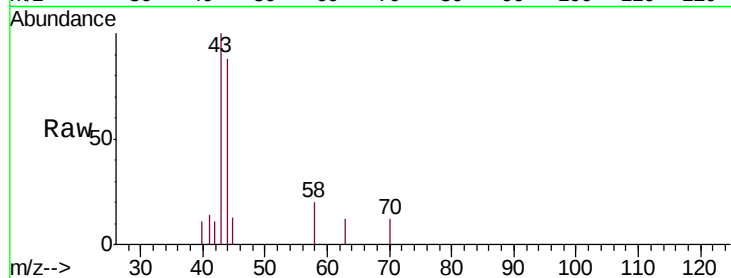
MDL03

Tgt Ion: 43 Resp: 1801

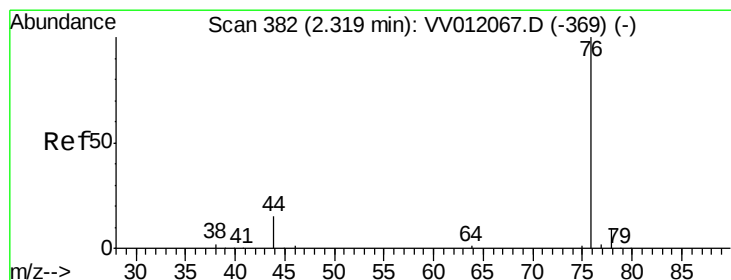
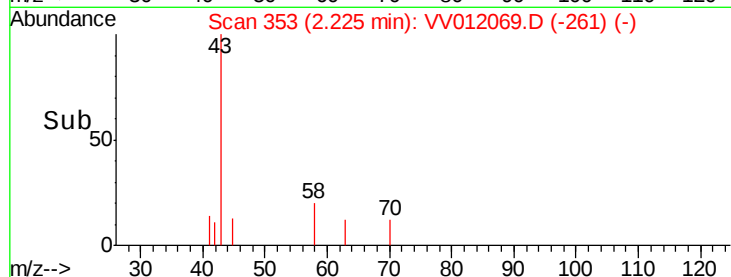
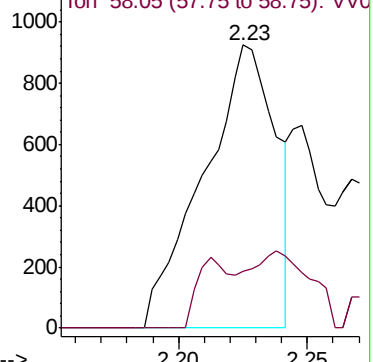
Ion Ratio Lower Upper

43 100

58 23.0 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV012067.D (-336) (-)



#14

Carbon disulfide

Concen: 0.296 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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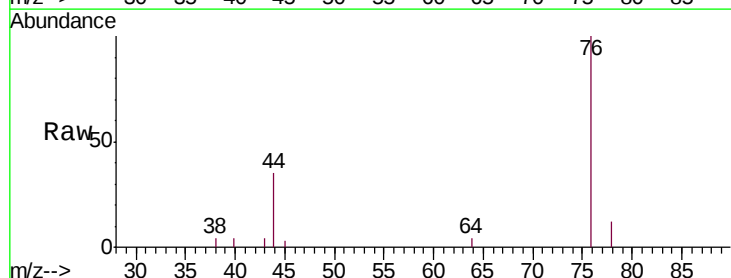
Acq: 30 Jul 2019 11:39

Tgt Ion: 76 Resp: 4676

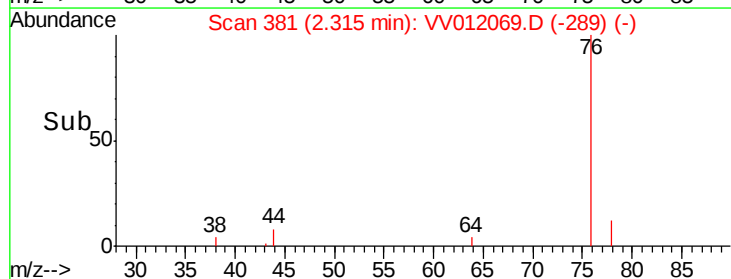
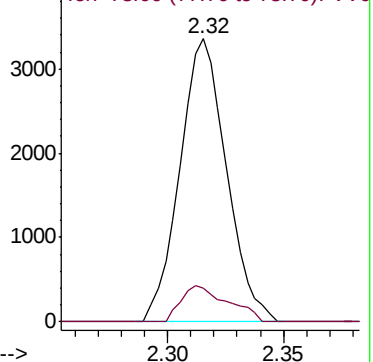
Ion Ratio Lower Upper

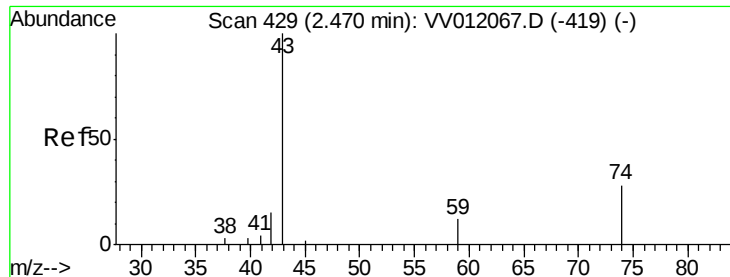
76 100

78 12.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV012067.D (-369) (-)





#15

Methyl Acetate

Concen: 0.260 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

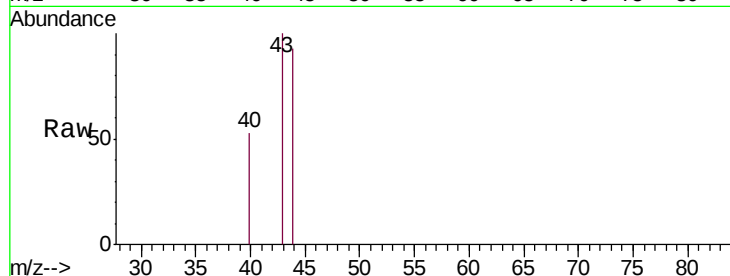
MDL03

Tgt Ion: 43 Resp: 465

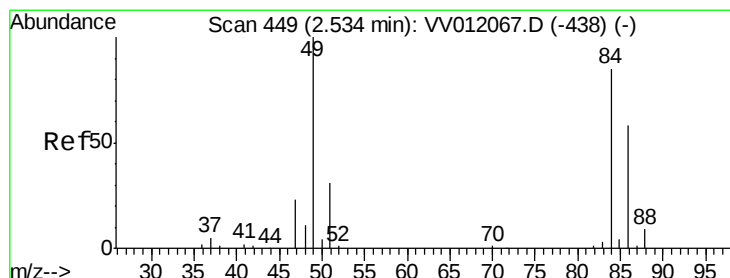
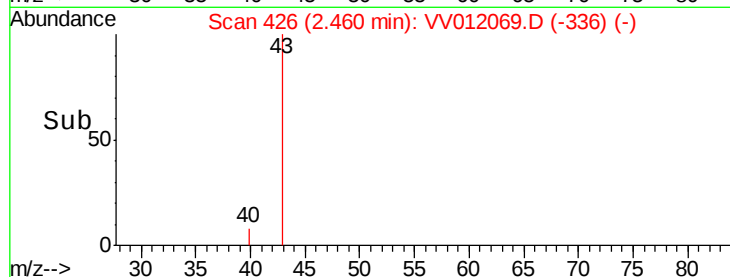
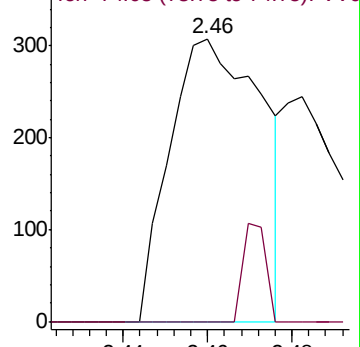
Ion Ratio Lower Upper

43 100

74 8.6 24.4 36.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012067.D (-419) (-)



#16

Methylene chloride

Concen: 0.374 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

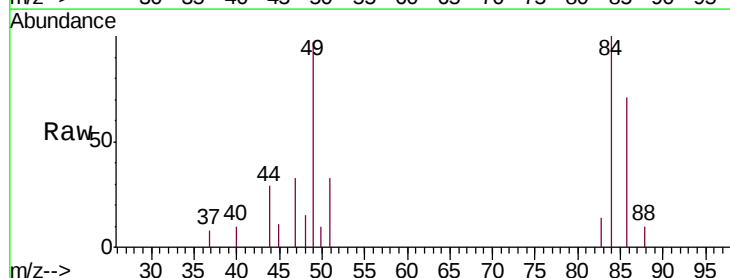
Tgt Ion: 84 Resp: 2169

Ion Ratio Lower Upper

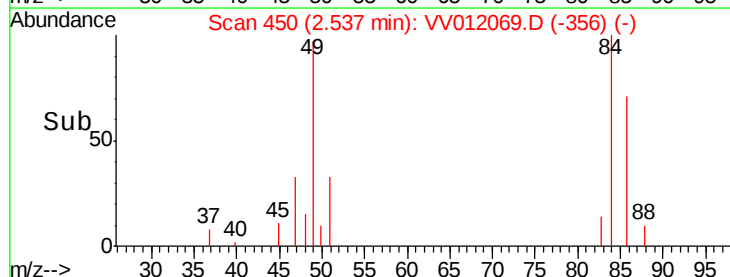
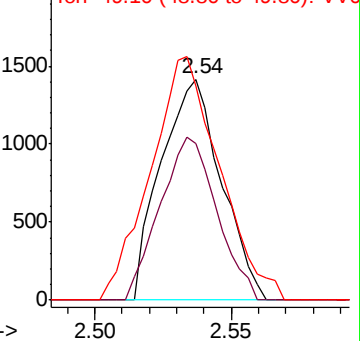
84 100

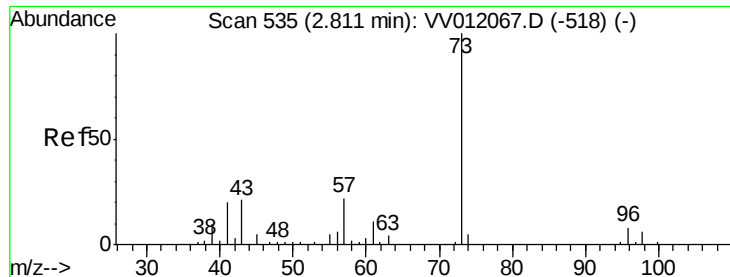
86 71.1 44.9 83.3

49 97.0 78.6 146.0



Abundance Ion 84.05 (83.75 to 84.75): VV012067.D (-438) (-)

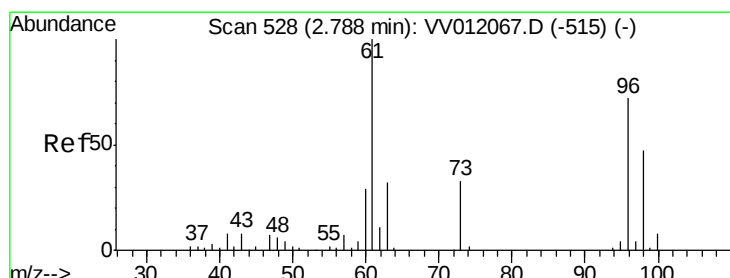
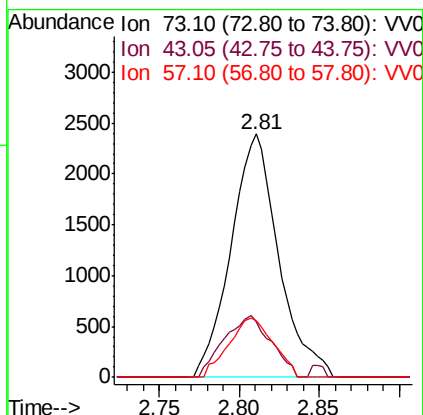
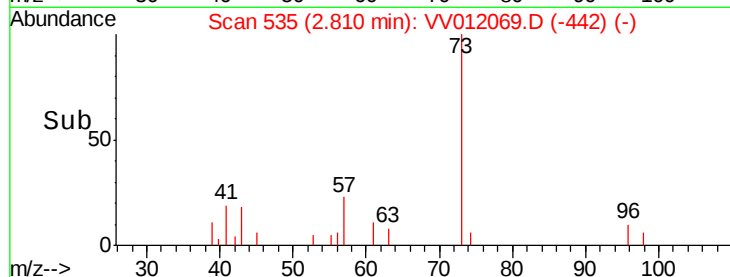
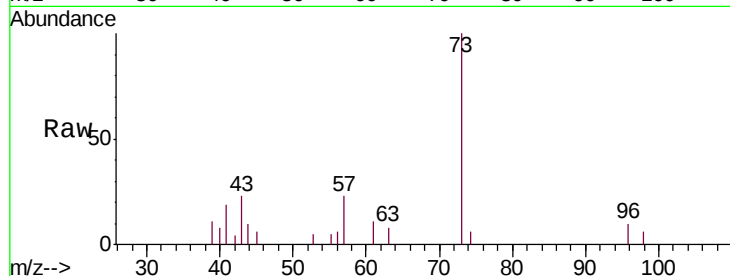




#17
Methyl tert-butyl Ether
Concen: 0.273 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

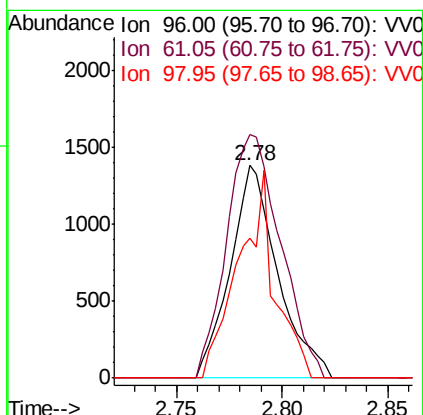
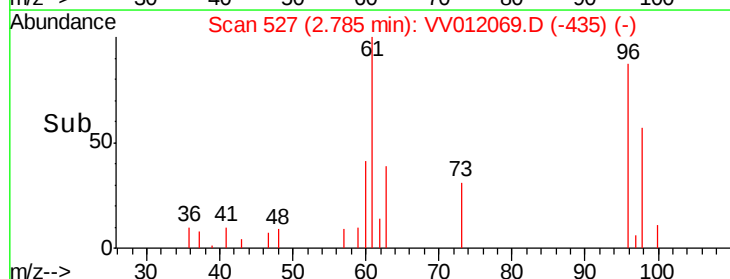
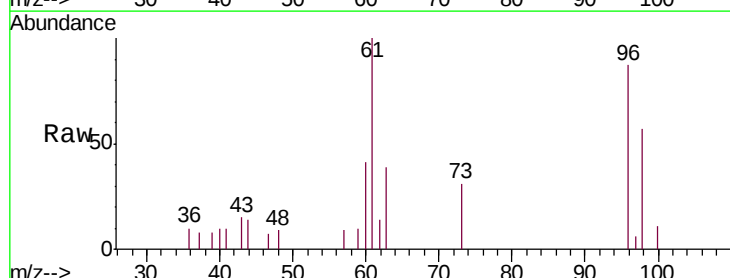
Instrument :
MSVOA_V
ClientSampled :
MDL03

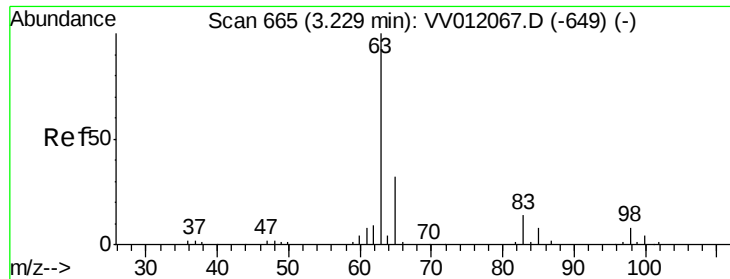
Tgt Ion: 73 Resp: 4856
Ion Ratio Lower Upper
73 100
43 25.0 17.6 26.4
57 22.7 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion: 96 Resp: 2163
Ion Ratio Lower Upper
96 100
61 114.4 97.2 180.6
98 65.7 45.0 83.6

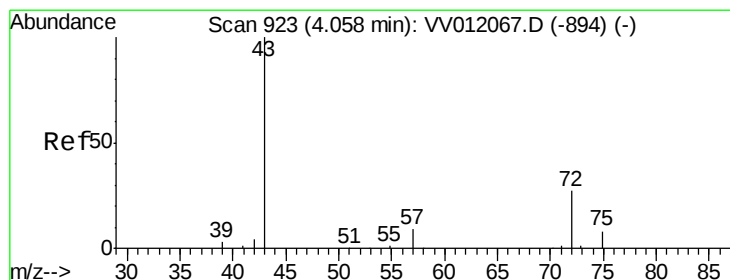
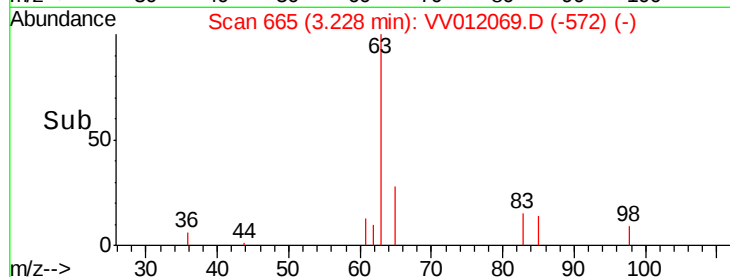
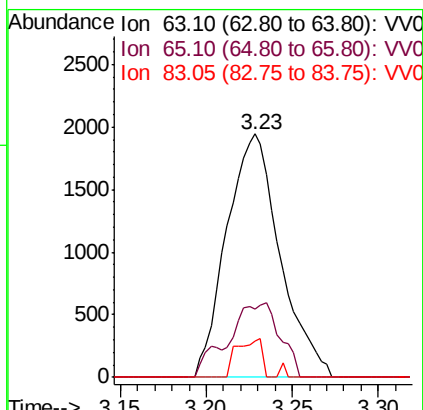
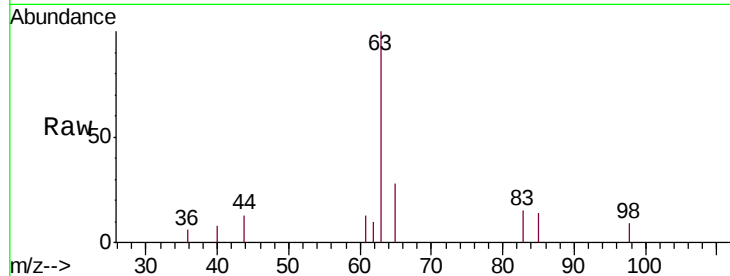




#19
 1,1-Dichloroethane
 Concen: 0.288 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

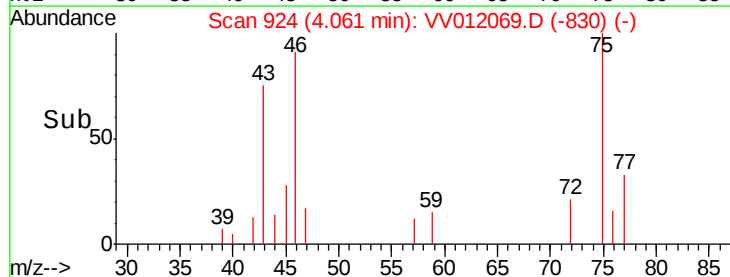
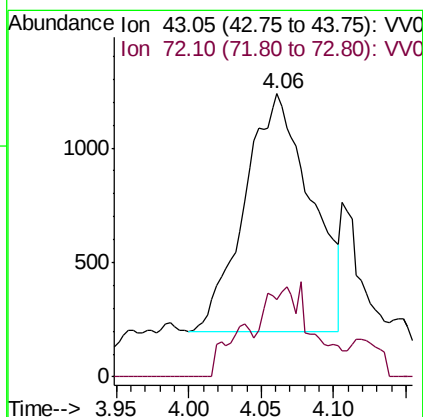
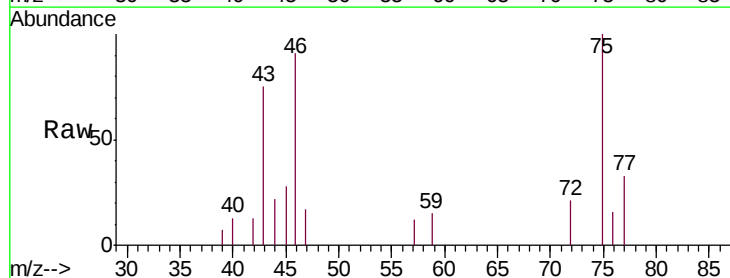
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

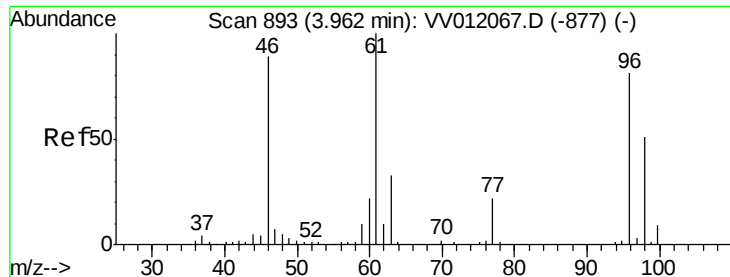
Tgt Ion: 63 Resp: 4192
 Ion Ratio Lower Upper
 63 100
 65 28.3 23.0 42.6
 83 14.9 9.7 17.9



#21
 2-Butanone
 Concen: 1.919 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion: 43 Resp: 3294
 Ion Ratio Lower Upper
 43 100
 72 28.7 13.4 40.2



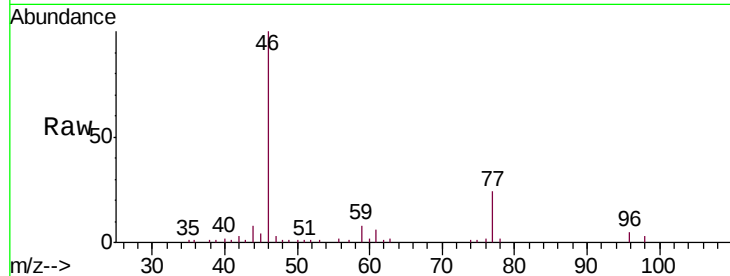


#22

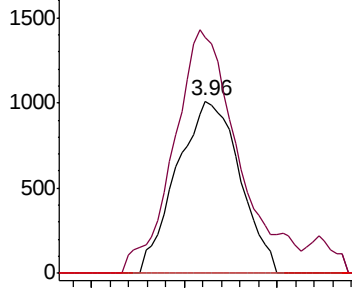
cis-1,2-Dichloroethene
 Concen: 0.276 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

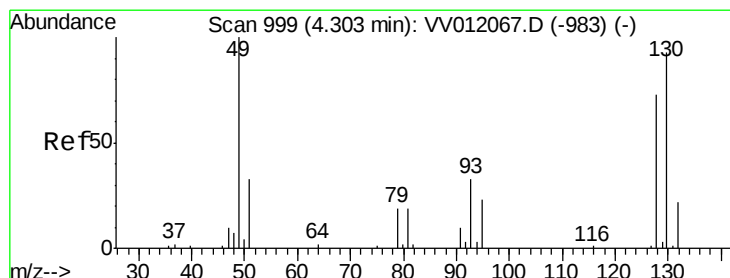
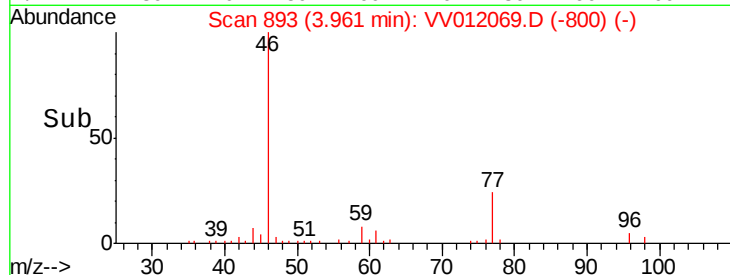
Tgt Ion: 96 Resp: 2389
 Ion Ratio Lower Upper
 96 100
 61 136.6 90.0 167.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



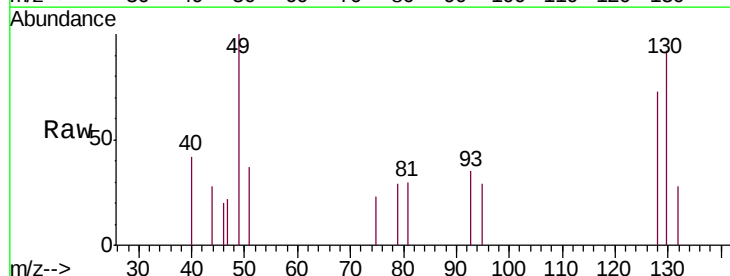
Time-->



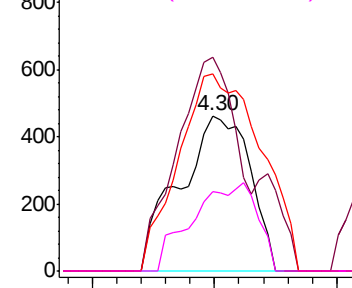
#23

Bromochloromethane
 Concen: 0.245 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

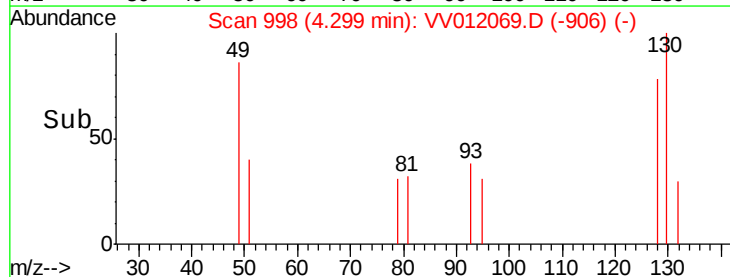
Tgt Ion: 128 Resp: 933
 Ion Ratio Lower Upper
 128 100
 49 137.9 105.1 195.1
 130 127.5 88.9 165.1
 51 50.9 36.2 54.2

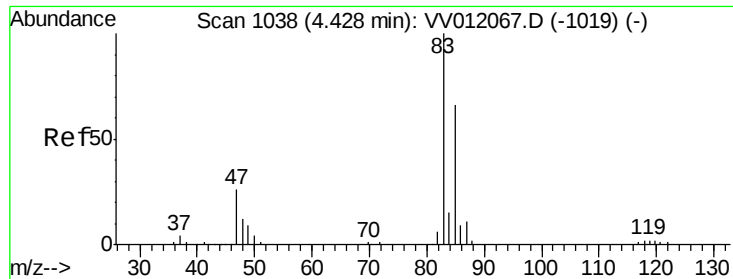


Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0



Time-->

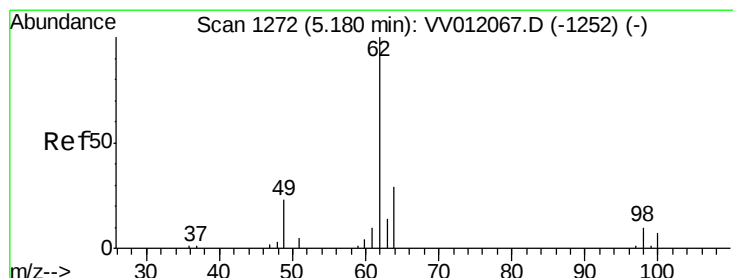
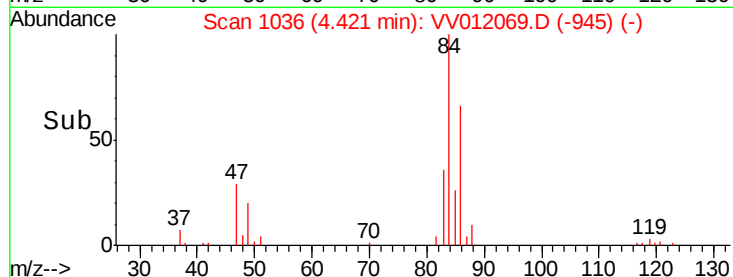
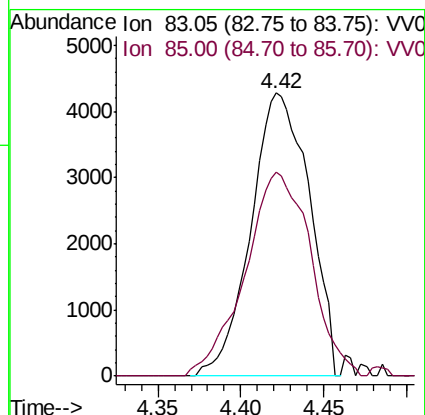
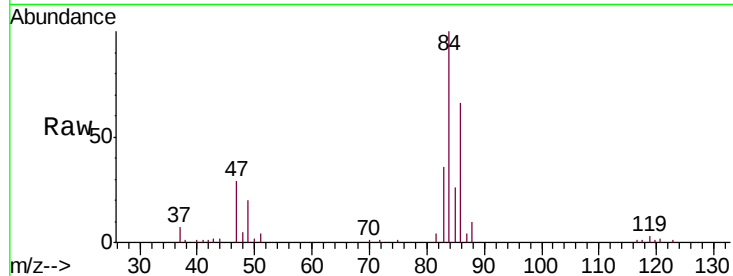




#25
Chloroform
Concen: 0.574 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

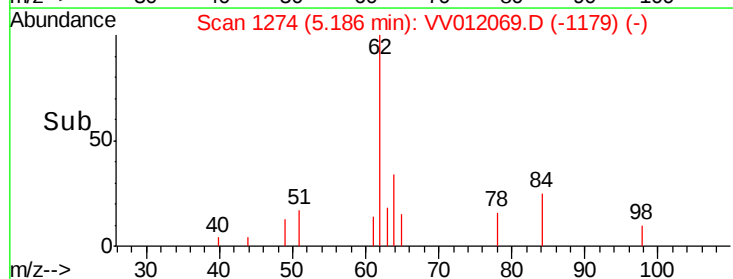
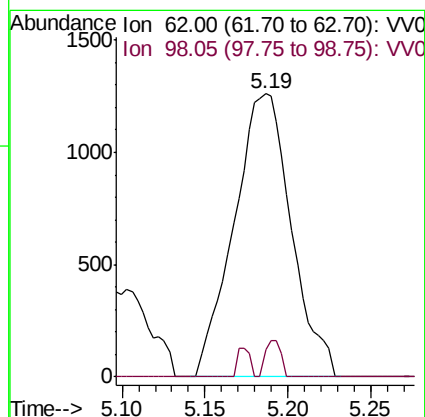
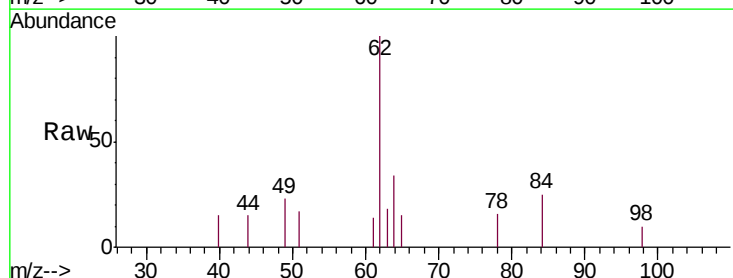
Instrument :
MSVOA_V
ClientSampleId :
MDL03

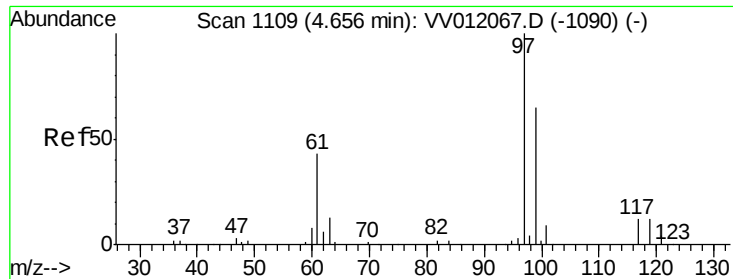
Tgt Ion: 83 Resp: 10482
Ion Ratio Lower Upper
83 100
85 72.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.301 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion: 62 Resp: 3030
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.6

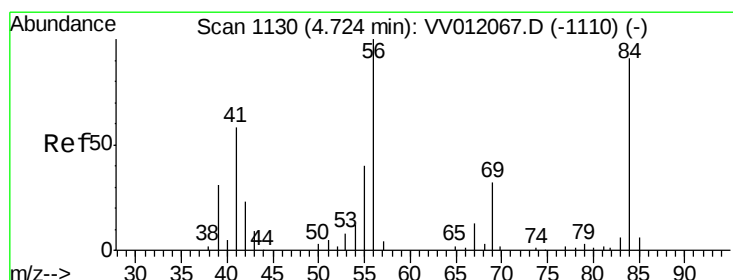
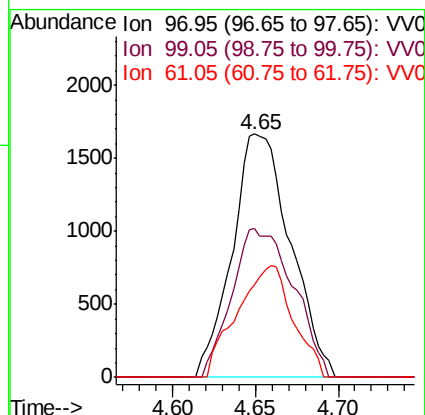
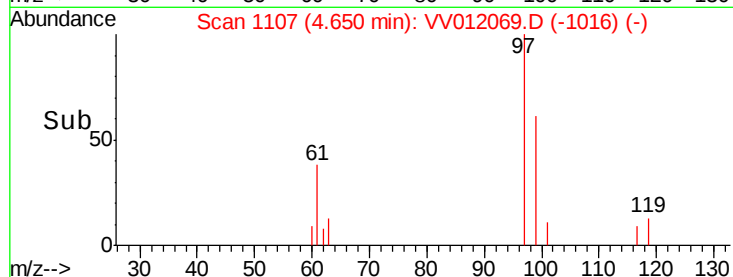
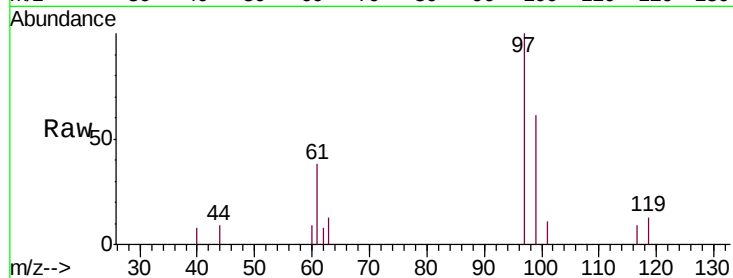




#29
 1,1,1-Trichloroethane
 Concen: 0.285 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

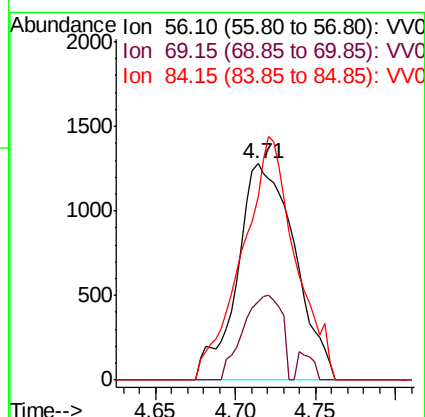
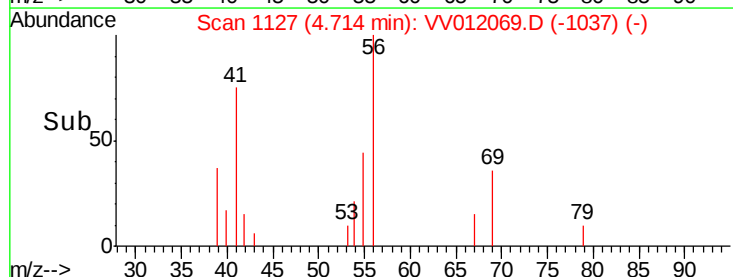
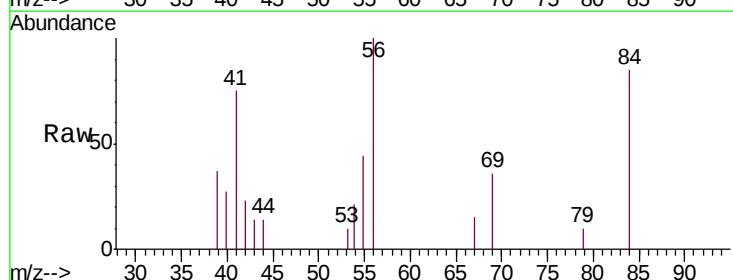
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

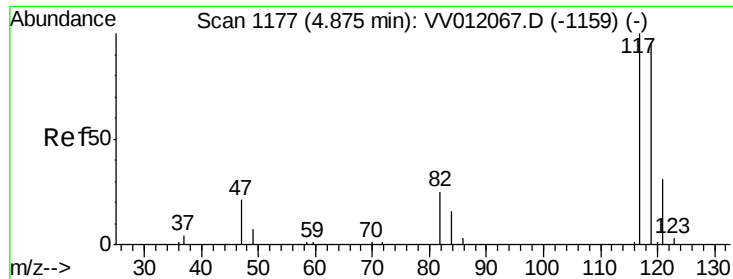
Tgt Ion: 97 Resp: 4081
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.8
 61 44.1 34.5 51.7



#30
 Cyclohexane
 Concen: 0.258 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion: 56 Resp: 3158
 Ion Ratio Lower Upper
 56 100
 69 26.1 24.8 37.2
 84 104.0 75.4 113.2





#31

Carbon tetrachloride

Concen: 0.277 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

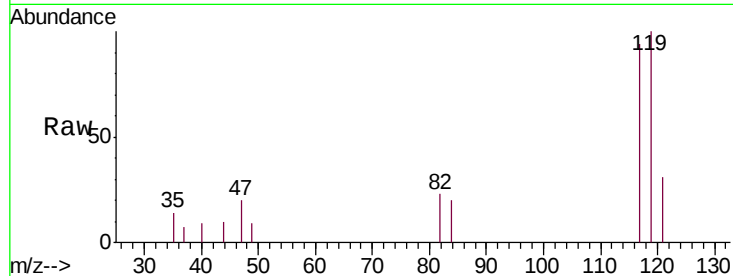
MDL03

Tgt Ion:117 Resp: 3563

Ion Ratio Lower Upper

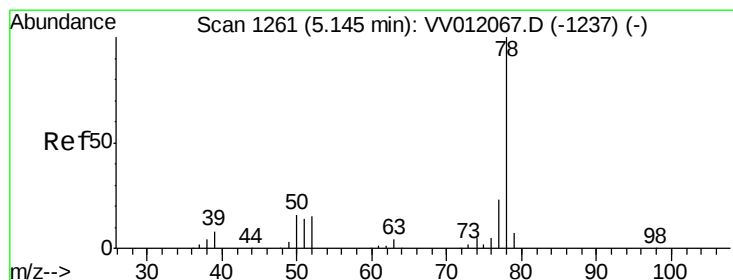
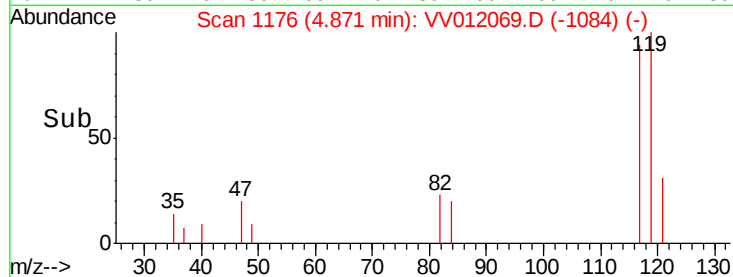
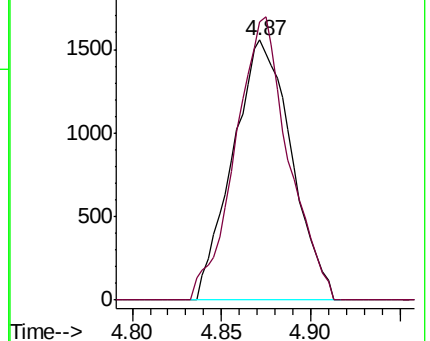
117 100

119 98.7 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: 0.277 ug/L

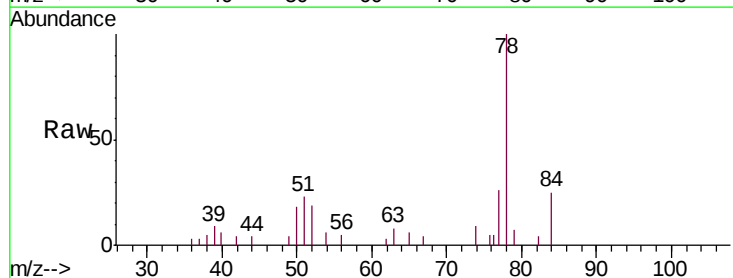
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

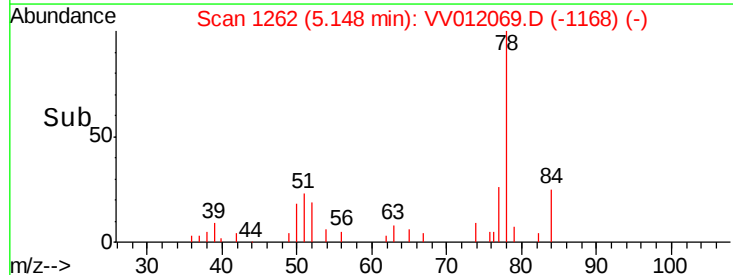
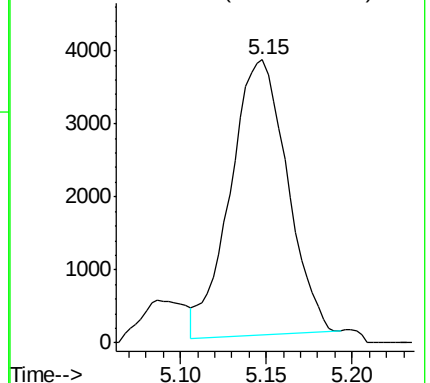
Lab File: VV012069.D

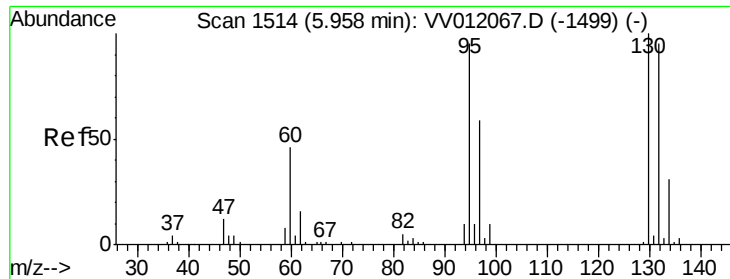
Acq: 30 Jul 2019 11:39

Tgt Ion: 78 Resp: 8697



Abundance Ion 78.10 (77.80 to 78.80): VV0

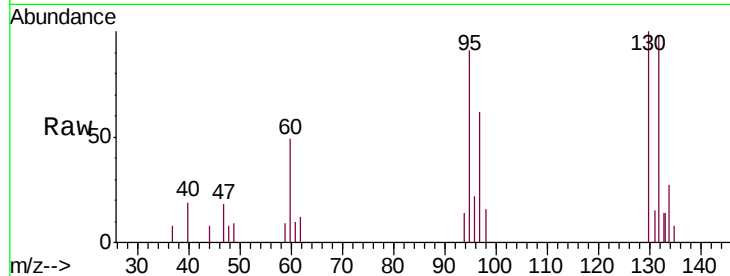




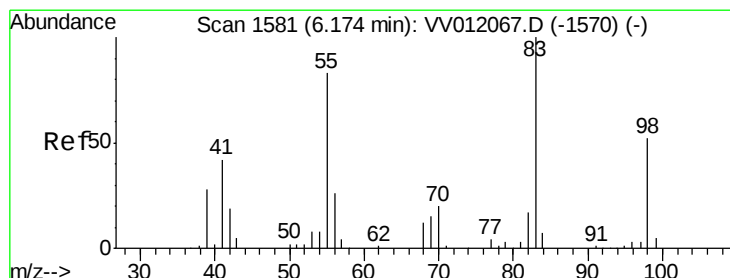
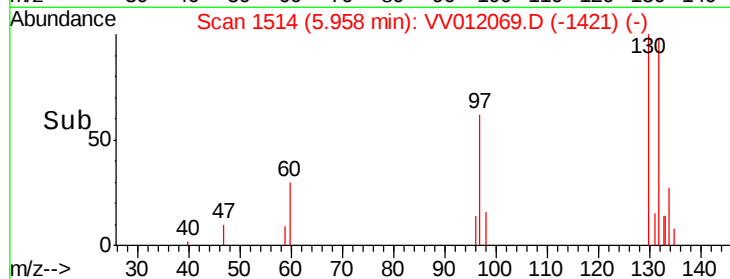
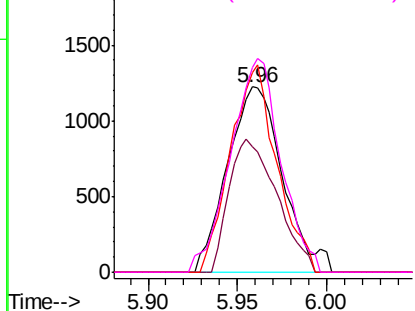
#34
 Trichloroethene
 Concen: 0.294 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 95 Resp: 2637
 Ion Ratio Lower Upper
 95 100
 97 68.0 42.8 79.6
 132 108.2 70.8 131.6
 130 110.4 72.3 134.3

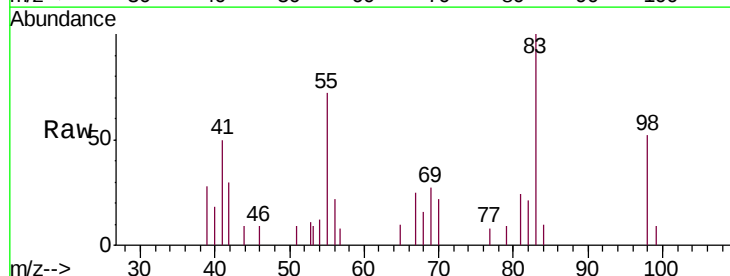


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

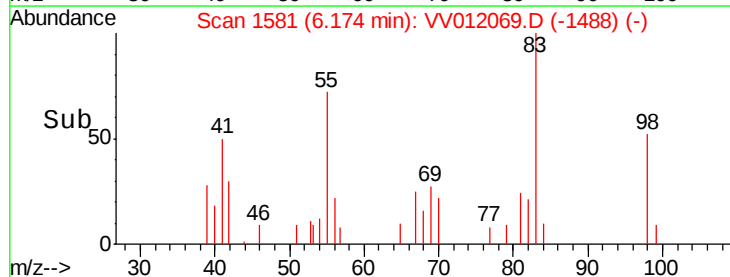
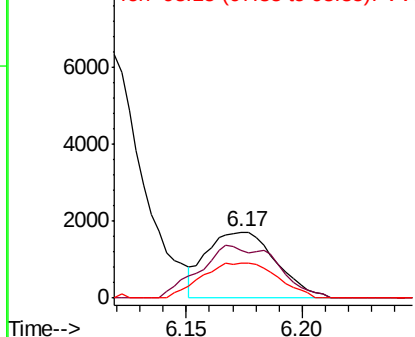


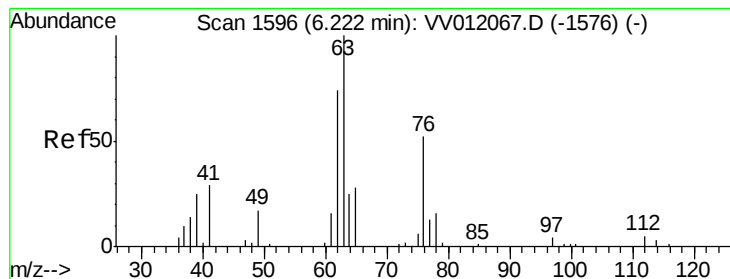
#35
 Methylcyclohexane
 Concen: 0.256 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion: 83 Resp: 3591
 Ion Ratio Lower Upper
 83 100
 55 54.9 60.1 90.1#
 98 57.8 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: 0.263 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

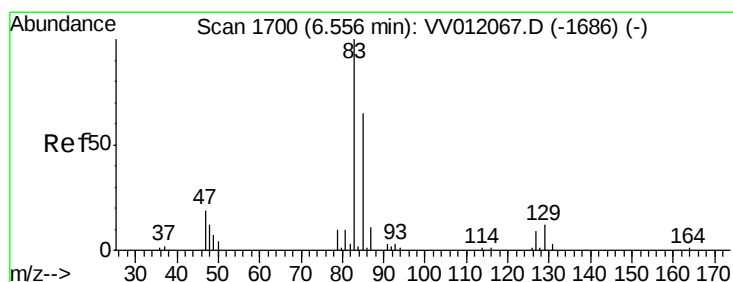
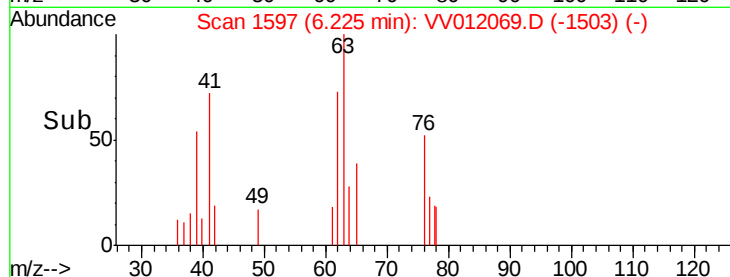
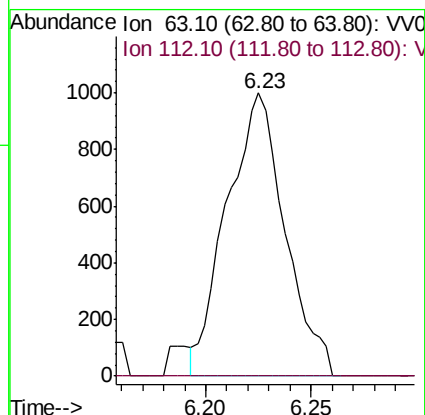
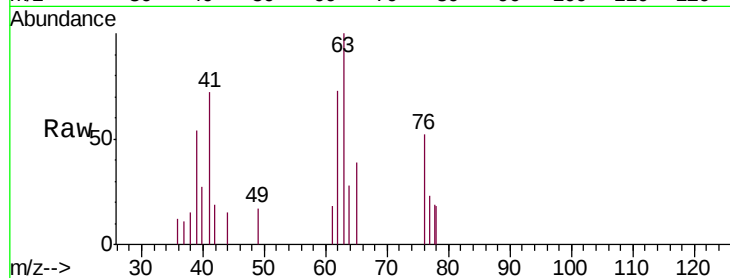
MDL03

Tgt Ion: 63 Resp: 1913

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#38

Bromodichloromethane

Concen: 0.283 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

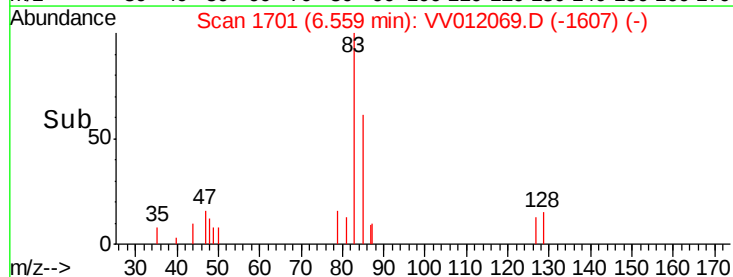
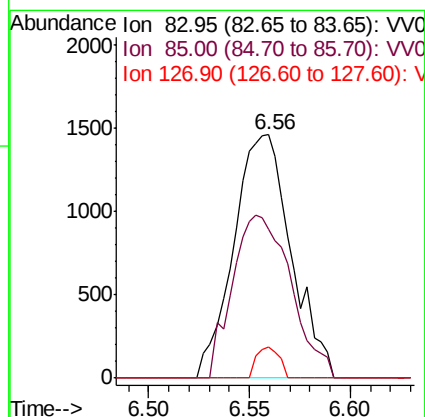
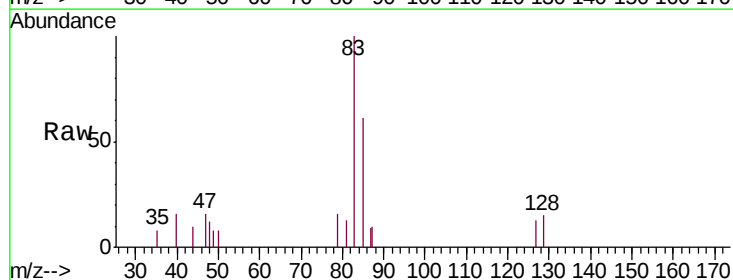
Tgt Ion: 83 Resp: 2904

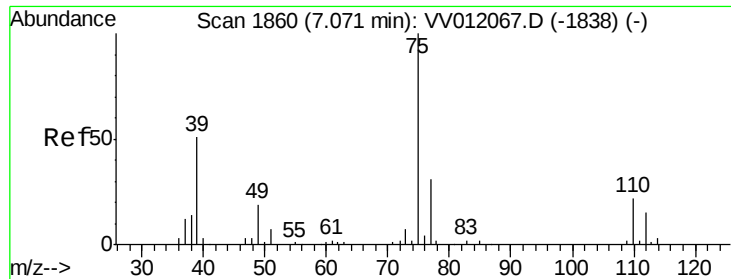
Ion Ratio Lower Upper

83 100

85 61.1 43.9 81.5

127 12.6 6.9 10.3#

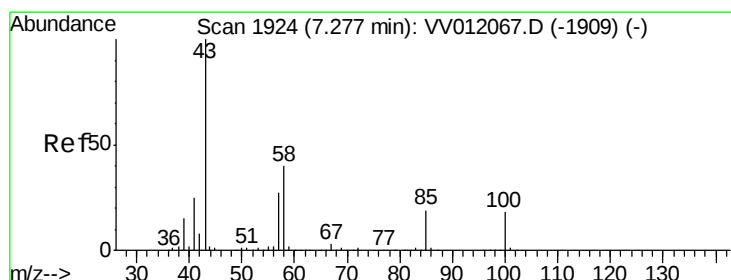
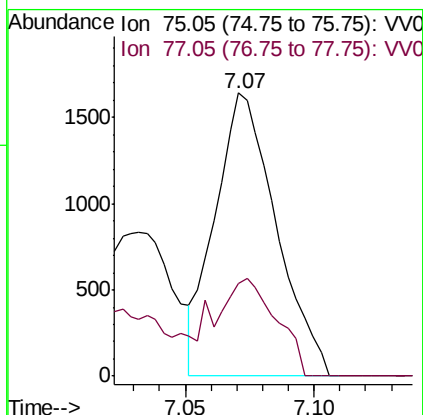
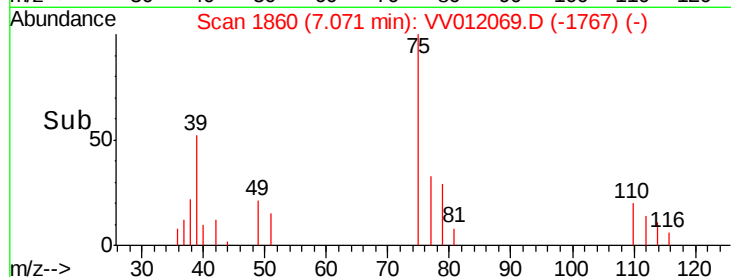
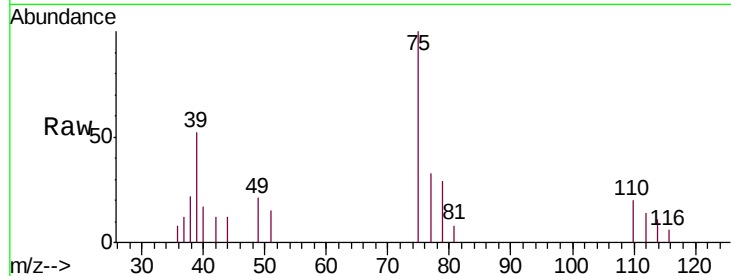




#39
 cis-1,3-Dichloropropene
 Concen: 0.238 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

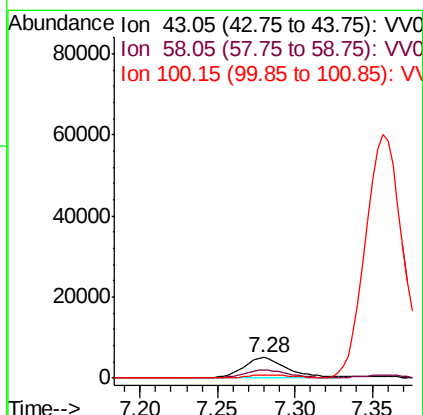
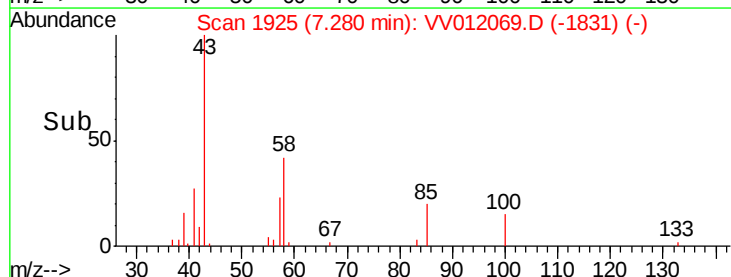
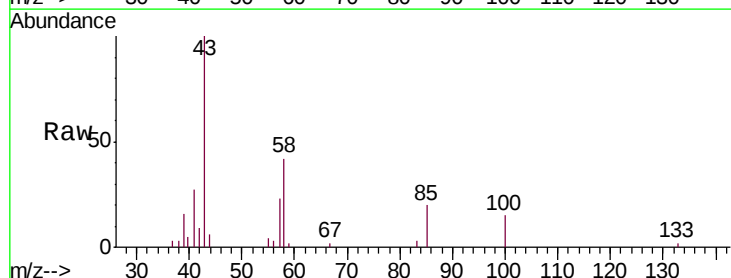
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

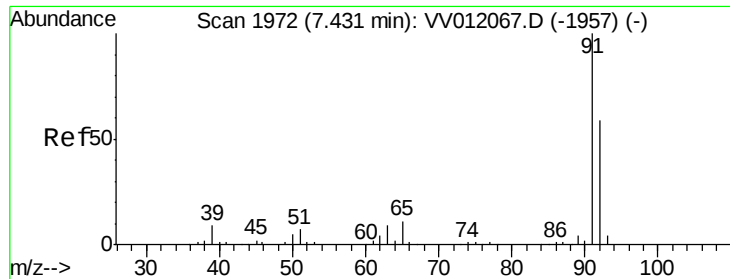
Tgt Ion: 75 Resp: 2710
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 2.429 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion: 43 Resp: 9968
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.9 47.9
 100 0.0 14.0 21.0#





#42

Toluene

Concen: 0.290 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

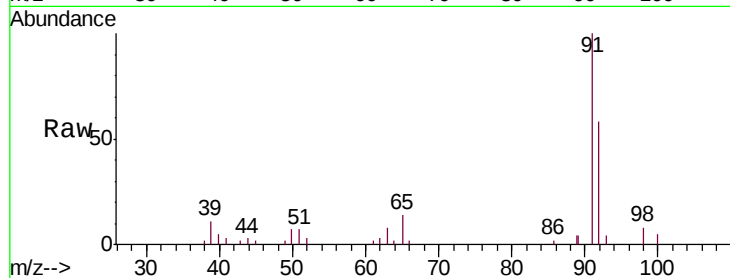
MDL03

Tgt Ion: 91 Resp: 10146

Ion Ratio Lower Upper

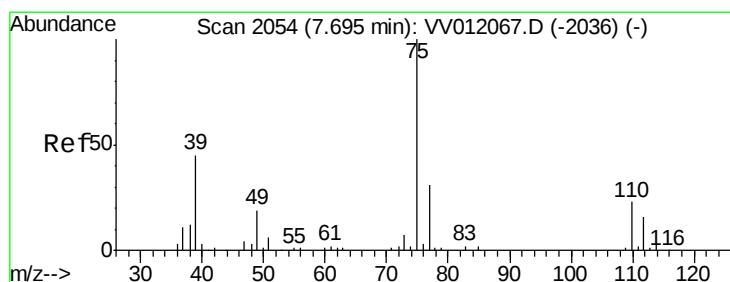
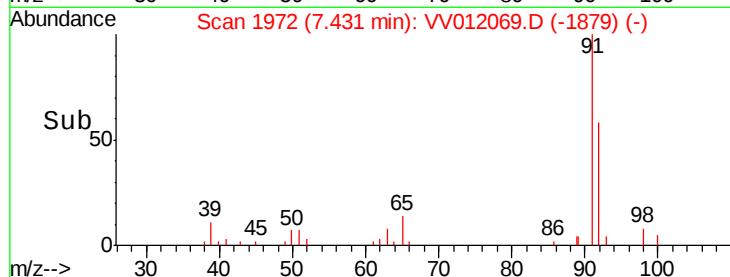
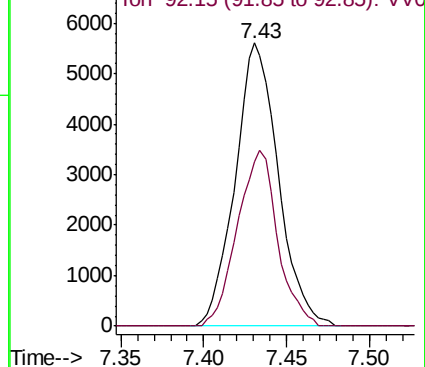
91 100

92 58.2 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012069.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV012069.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.340 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012069.D

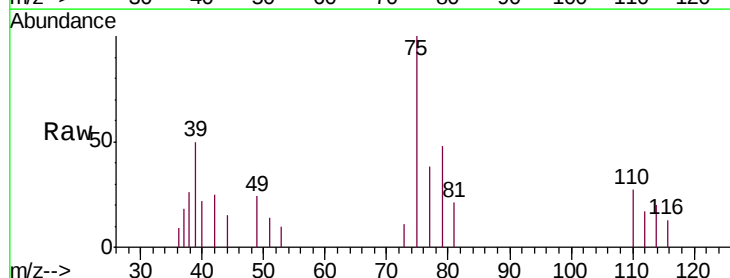
Acq: 30 Jul 2019 11:39

Tgt Ion: 75 Resp: 3132

Ion Ratio Lower Upper

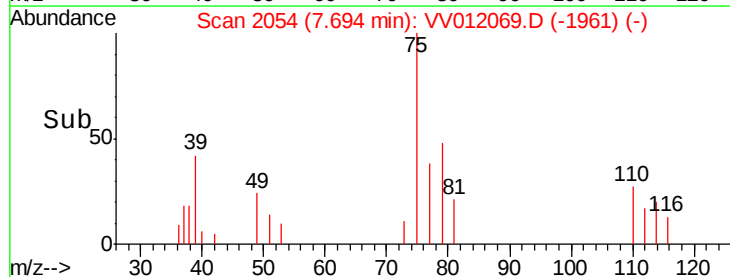
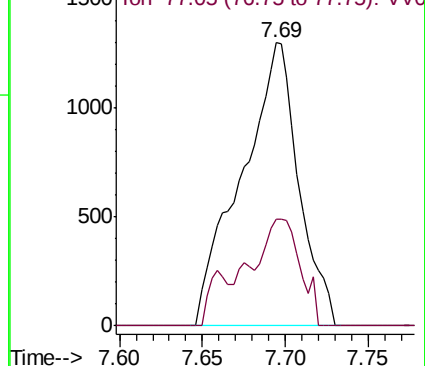
75 100

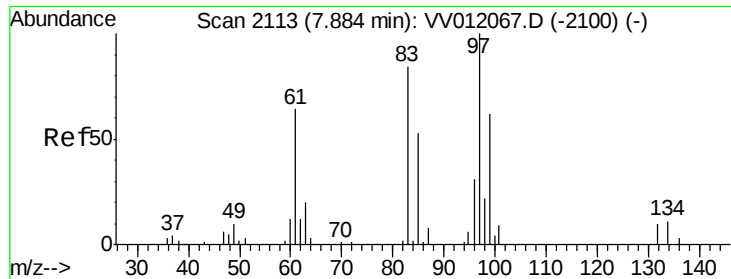
77 37.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012069.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV012069.D (-1961) (-)

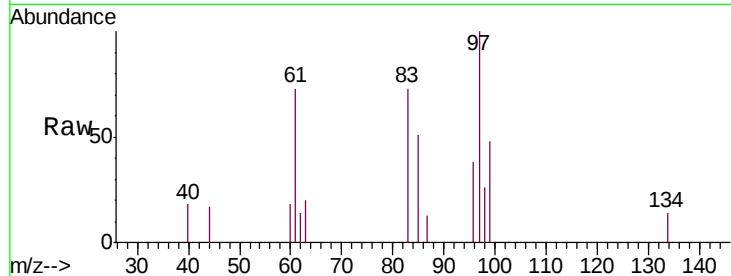




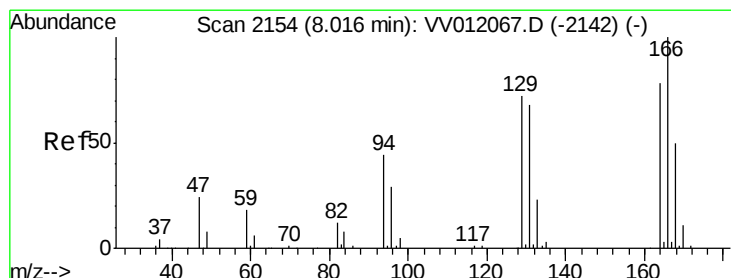
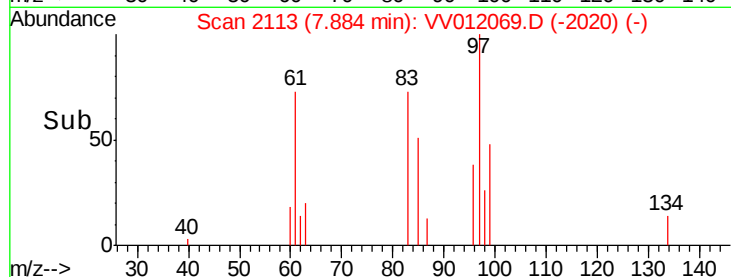
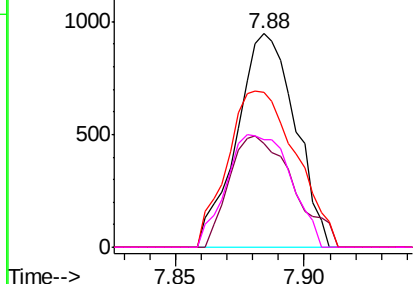
#45
 1,1,2-Trichloroethane
 Concen: 0.269 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL03

Tgt Ion:	97	Resp:	1495
Ion	Ratio	Lower	Upper
97	100		
99	48.3	42.0	78.0
83	72.7	57.6	107.0
85	50.6	34.6	64.2

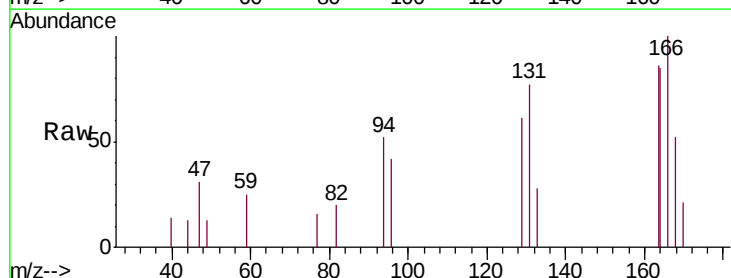


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

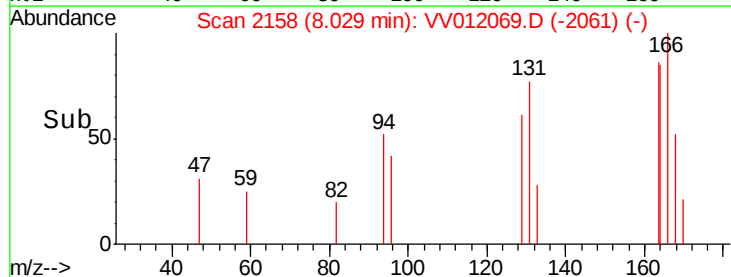
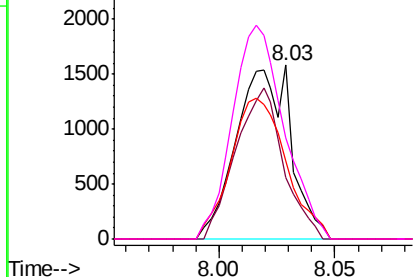


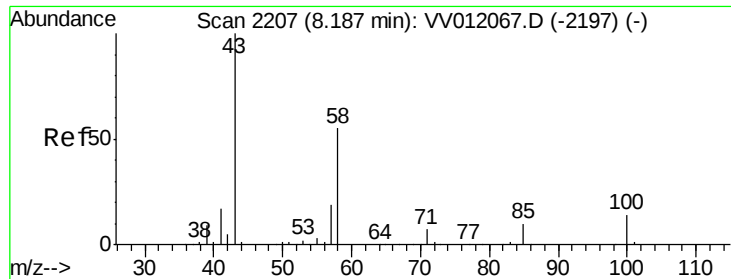
#47
 Tetrachloroethene
 Concen: 0.325 ug/L
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion:	164	Resp:	2545
Ion	Ratio	Lower	Upper
164	100		
129	35.8	61.9	114.9#
131	45.2	59.4	110.4#
166	58.5	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

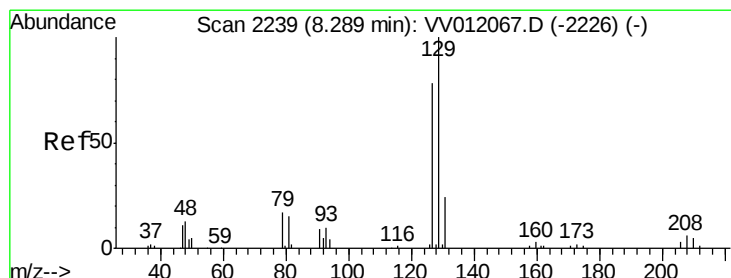
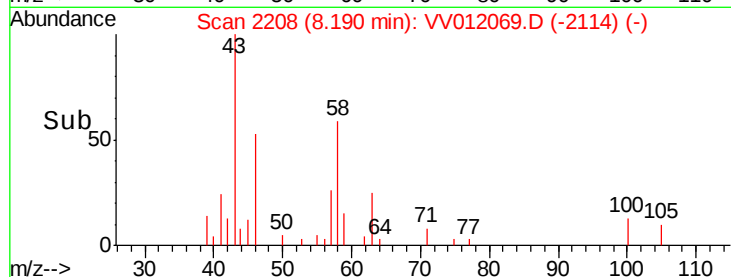
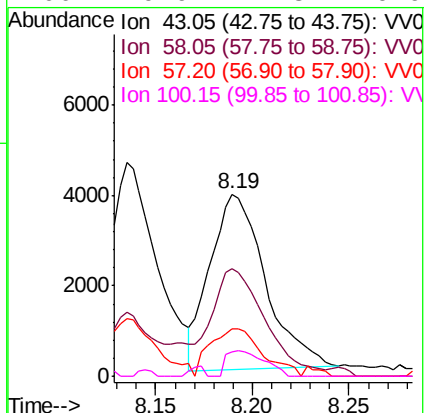
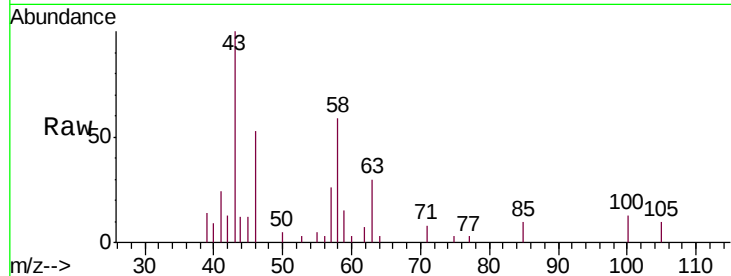




#48
2-Hexanone
Concen: 2.670 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

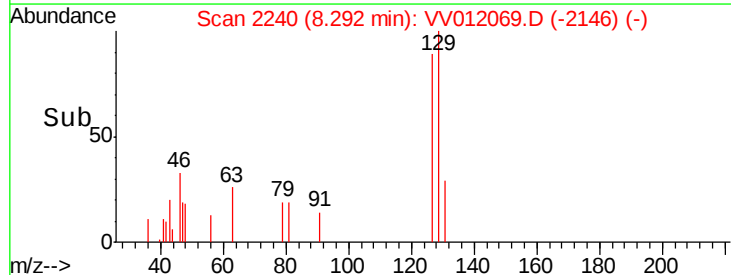
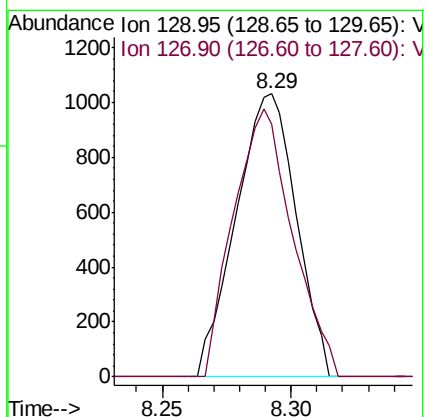
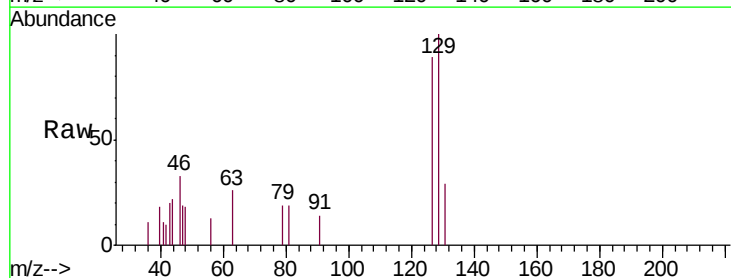
Instrument :
MSVOA_V
ClientSampled :
MDL03

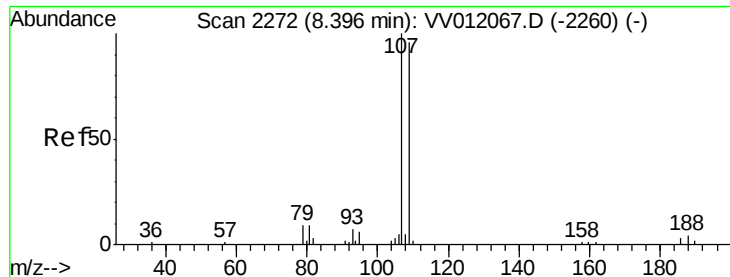
Tgt Ion: 43 Resp: 7745
Ion Ratio Lower Upper
43 100
58 60.5 44.1 66.1
57 25.2 16.1 24.1#
100 9.9 11.3 16.9#



#49
Dibromochloromethane
Concen: 0.247 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion: 129 Resp: 1681
Ion Ratio Lower Upper
129 100
127 89.1 55.4 102.8

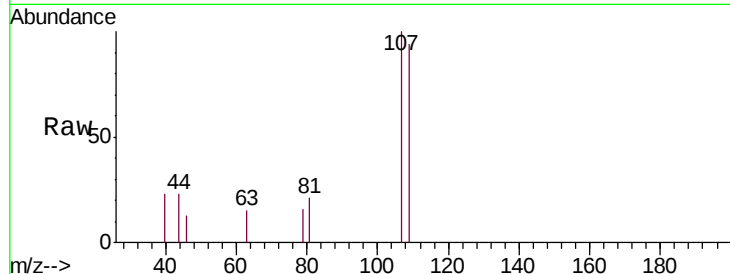




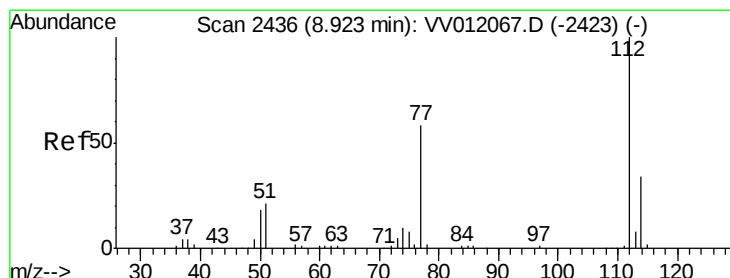
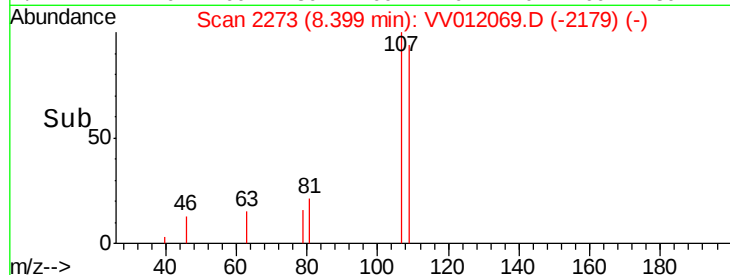
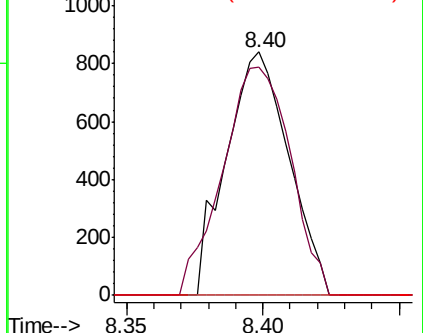
#50
1,2-Dibromoethane
Concen: 0.258 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:107 Resp: 1340
Ion Ratio Lower Upper
107 100
109 93.9 66.3 123.1
188 0.0 3.4 5.0#

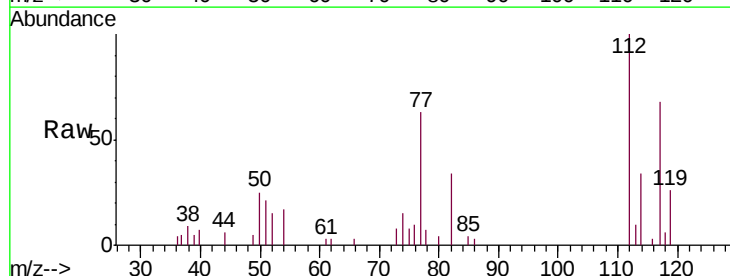


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

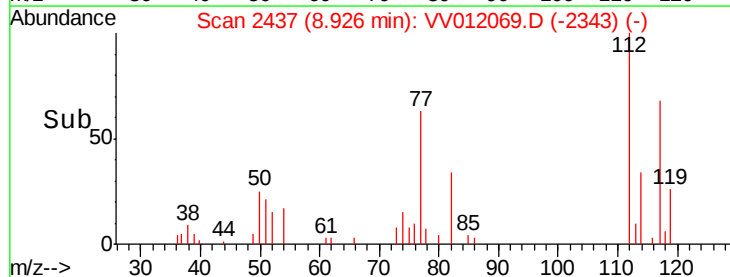
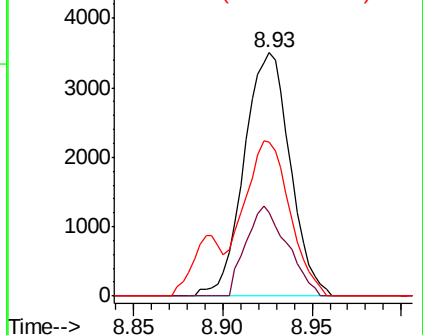


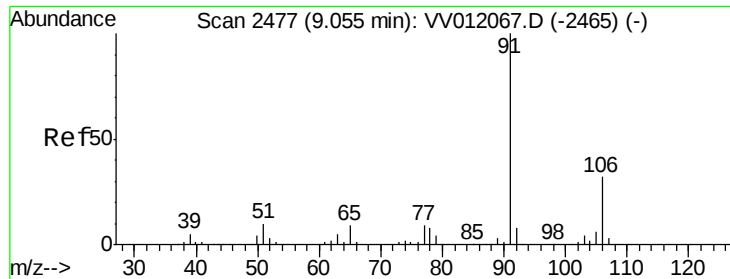
#51
Chlorobenzene
Concen: 0.270 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion:112 Resp: 6310
Ion Ratio Lower Upper
112 100
114 34.4 22.1 41.1
77 63.3 45.9 68.9



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): VV0





#52

Ethylbenzene

Concen: 0.270 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

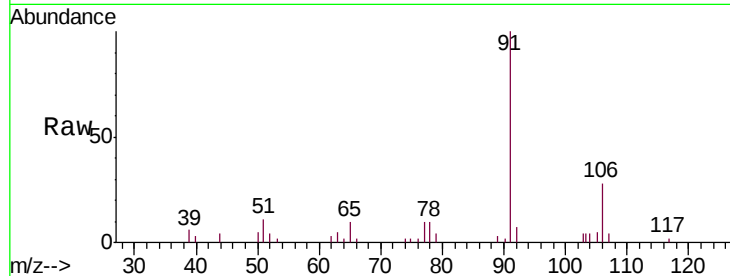
MDL03

Tgt Ion: 91 Resp: 10757

Ion Ratio Lower Upper

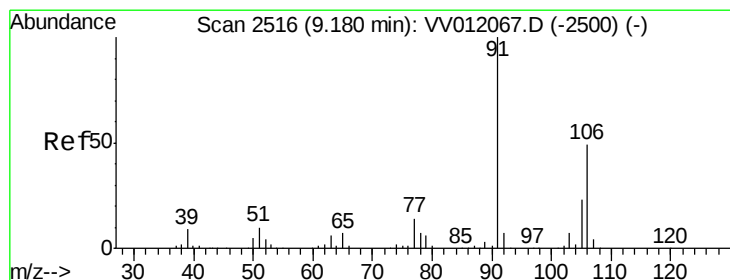
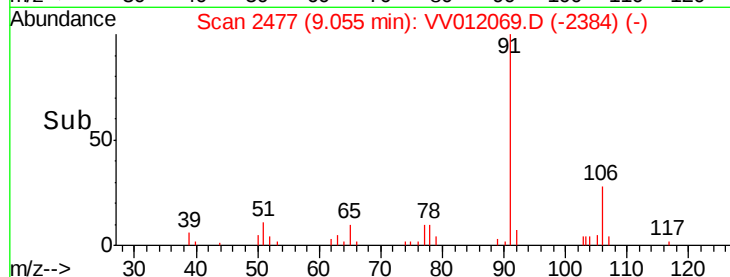
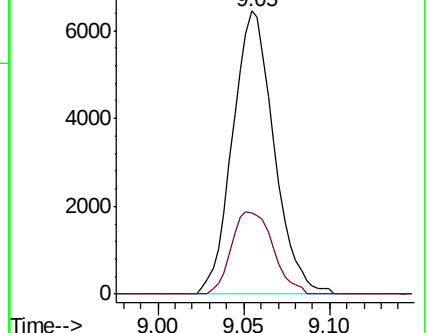
91 100

106 28.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012069.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV012069.D (-2465) (-)



#53

m,p-xylene

Concen: 0.263 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012069.D

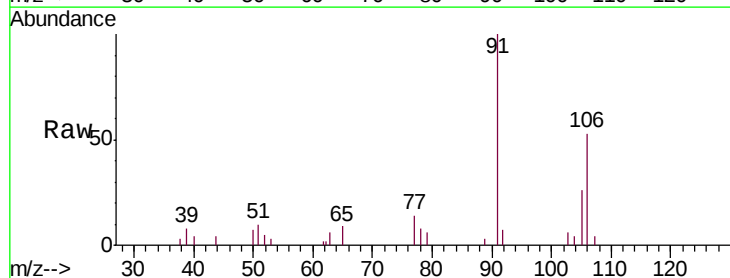
Acq: 30 Jul 2019 11:39

Tgt Ion: 106 Resp: 4002

Ion Ratio Lower Upper

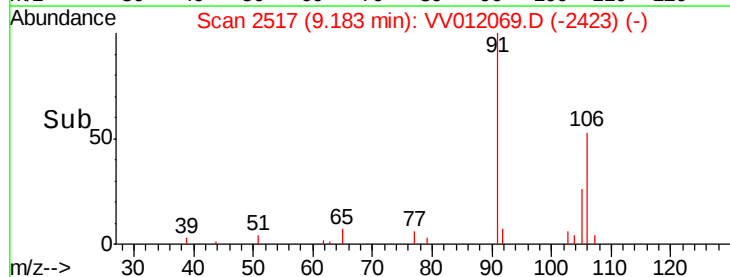
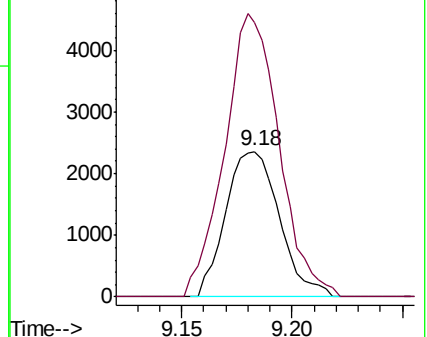
106 100

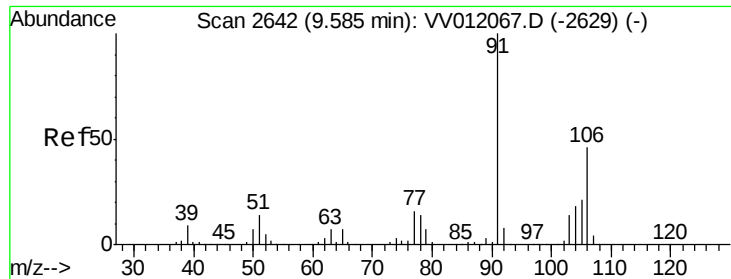
91 189.0 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012069.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV012069.D (-2500) (-)

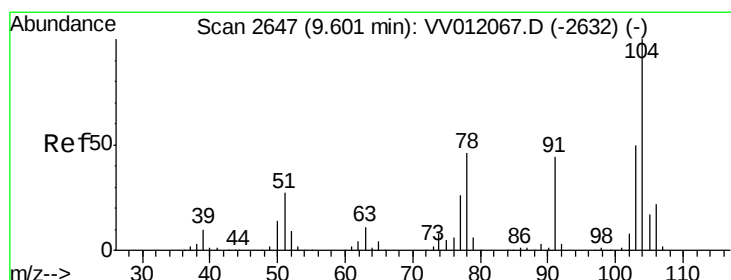
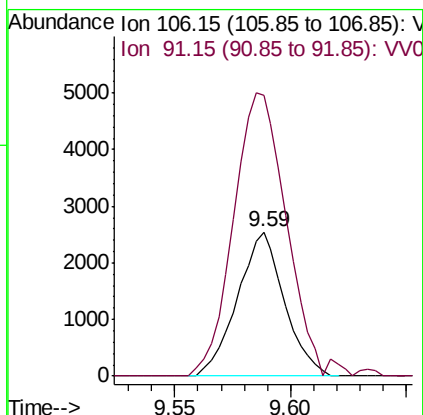
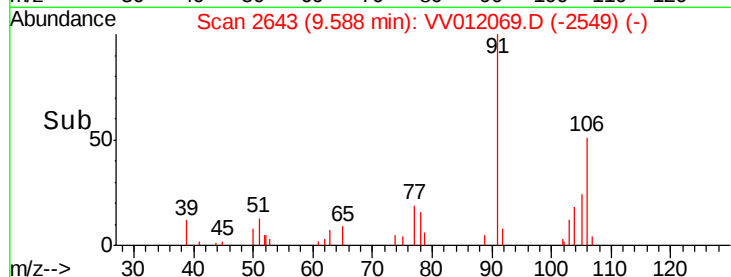
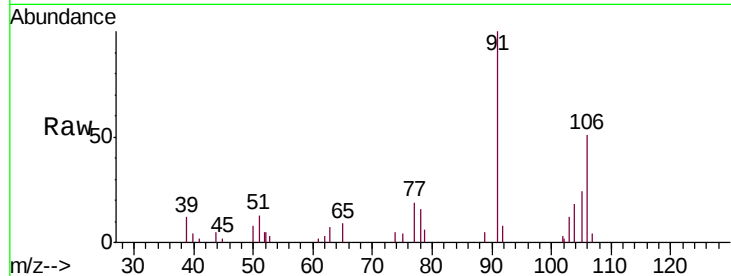




#54
o-xylene
Concen: 0.249 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

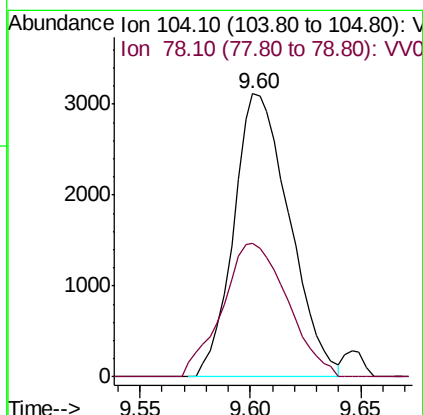
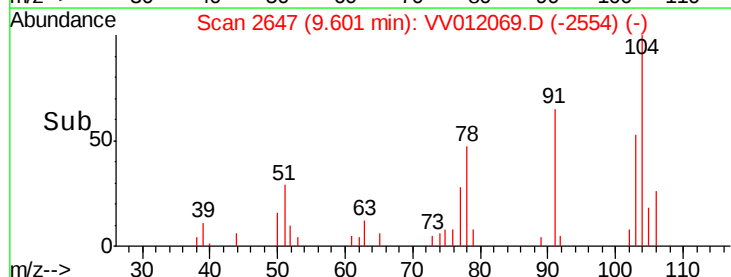
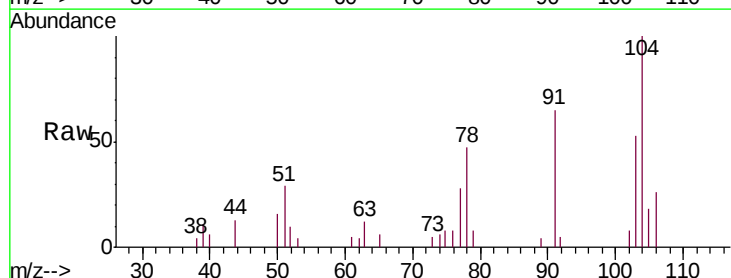
Instrument :
MSVOA_V
ClientSampleId :
MDL03

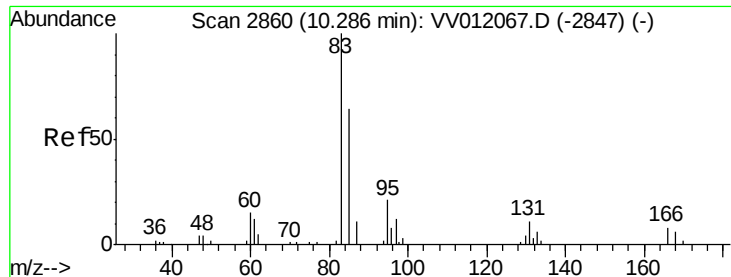
Tgt Ion:106 Resp: 3585
Ion Ratio Lower Upper
106 100
91 195.2 146.8 272.6



#55
Styrene
Concen: 0.225 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion:104 Resp: 5451
Ion Ratio Lower Upper
104 100
78 47.2 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.289 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

MDL03

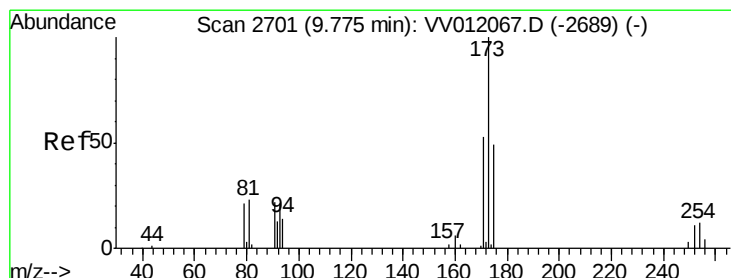
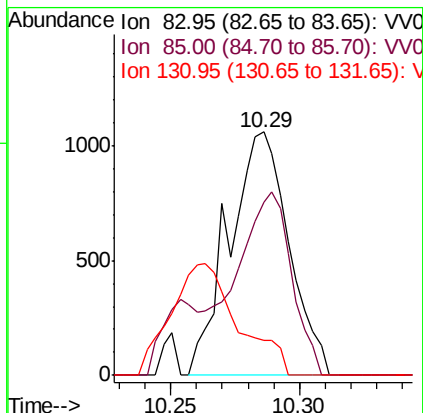
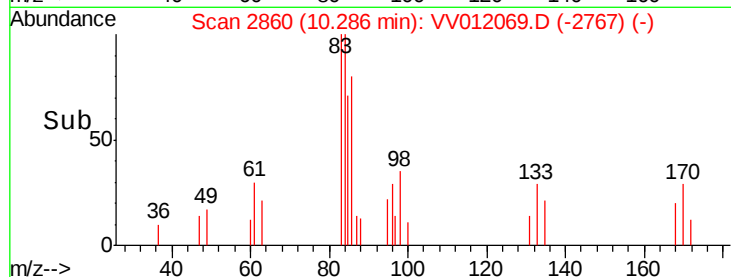
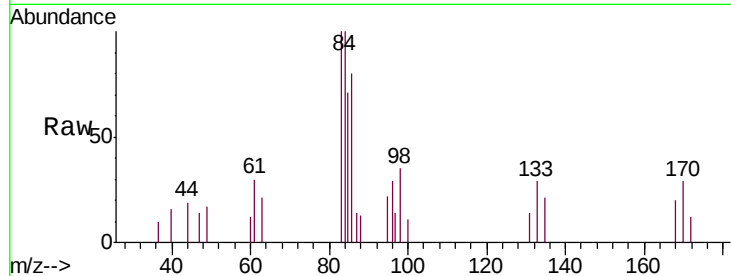
Tgt Ion: 83 Resp: 1719

Ion Ratio Lower Upper

83 100

85 71.0 44.0 81.6

131 14.1 8.3 12.5#



#59

Bromoform

Concen: 0.303 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

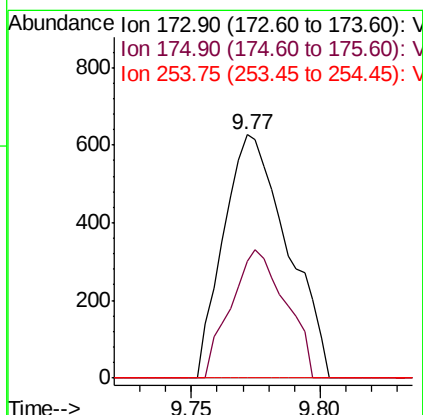
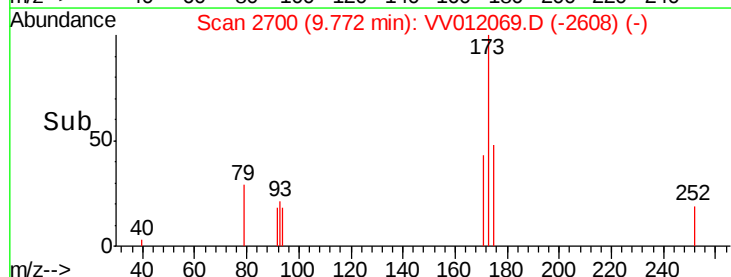
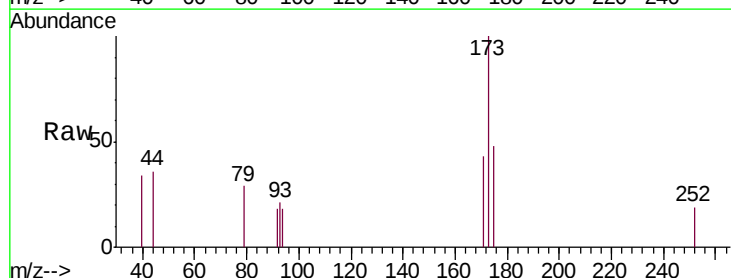
Tgt Ion: 173 Resp: 1081

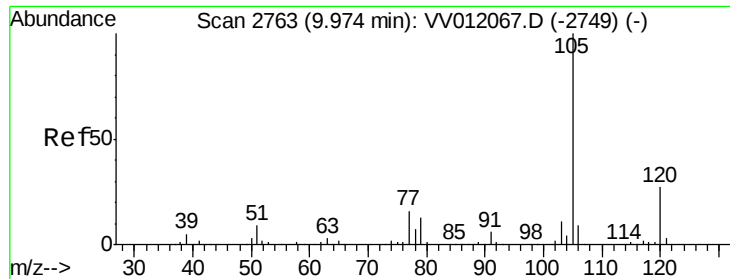
Ion Ratio Lower Upper

173 100

175 45.2 38.3 57.5

254 0.0 8.6 13.0#





#60

Isopropylbenzene

Concen: 0.260 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

MDL03

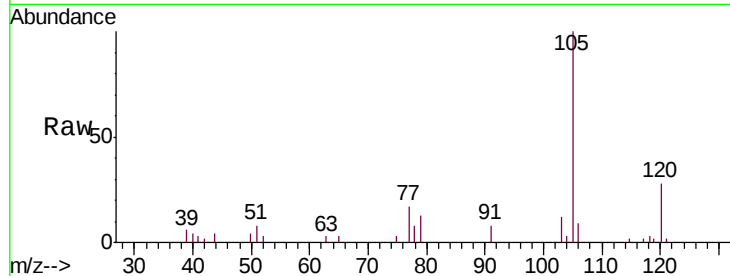
Tgt Ion: 105 Resp: 9818

Ion Ratio Lower Upper

105 100

120 27.5 21.5 32.3

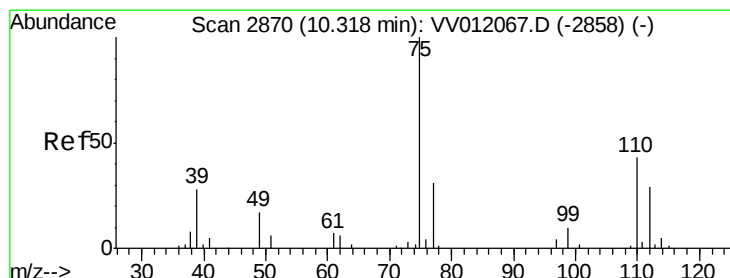
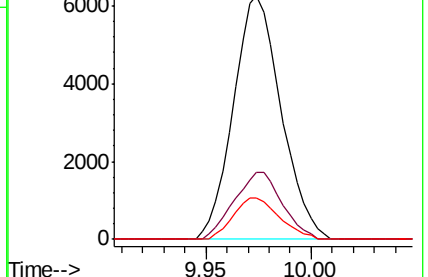
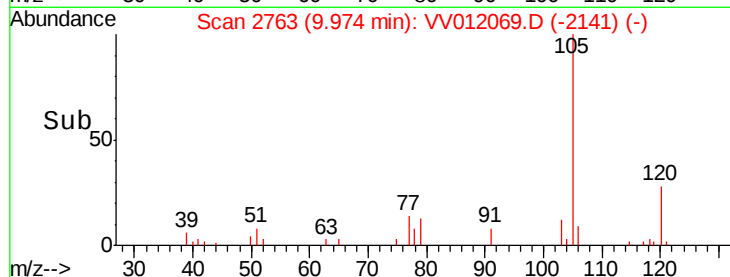
77 16.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.343 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012069.D

Acq: 30 Jul 2019 11:39

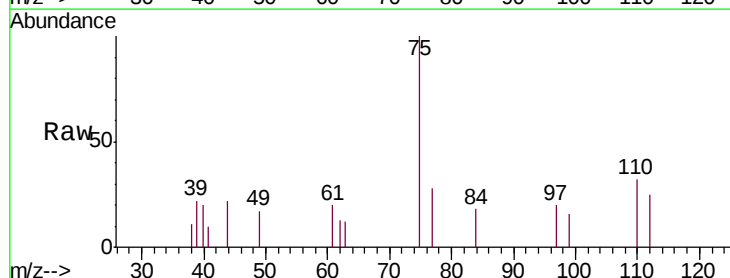
Tgt Ion: 75 Resp: 1478

Ion Ratio Lower Upper

75 100

77 30.0 26.8 40.2

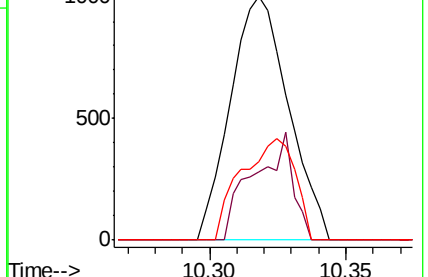
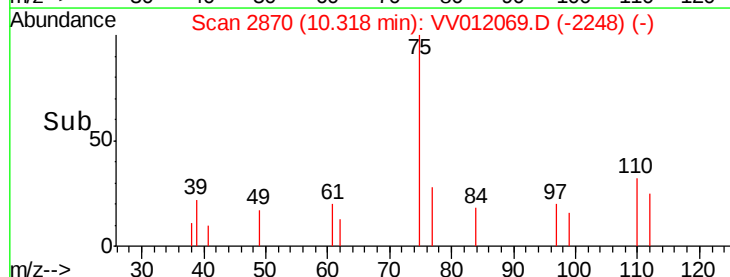
110 38.8 35.0 52.6

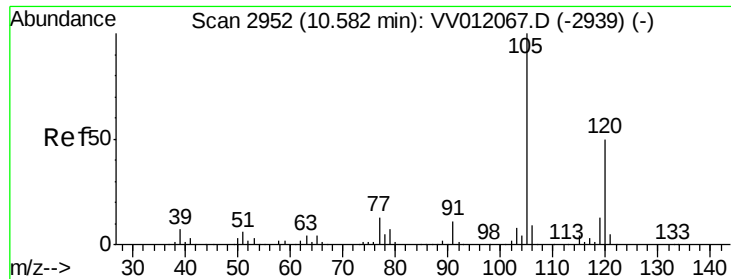


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

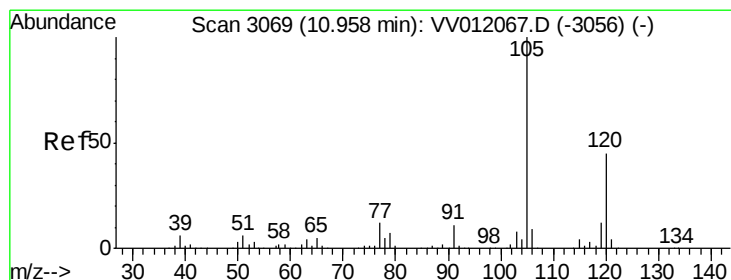
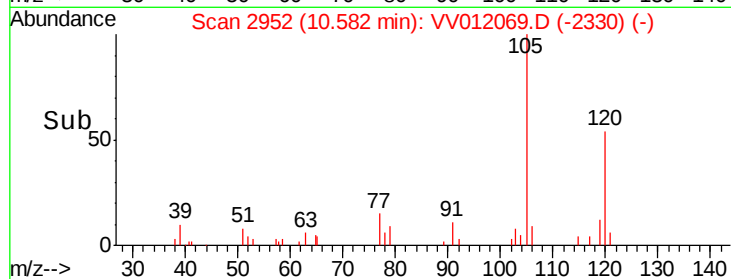
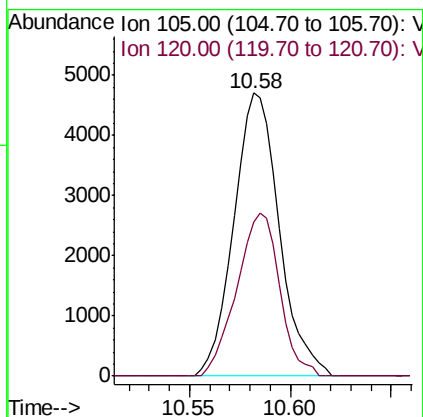
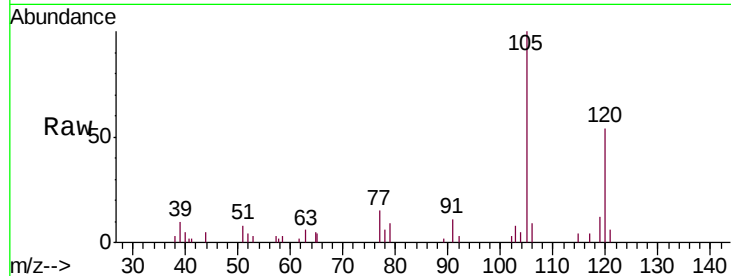




#62
 1,3,5-Trimethylbenzene
 Concen: 0.238 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

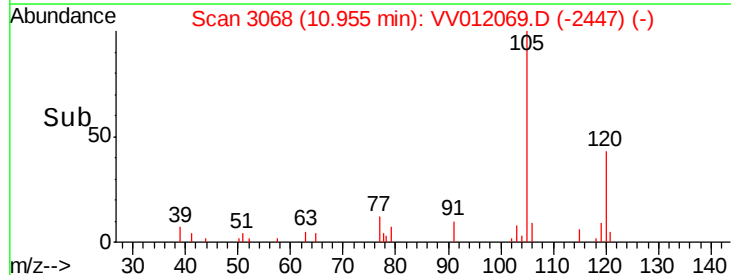
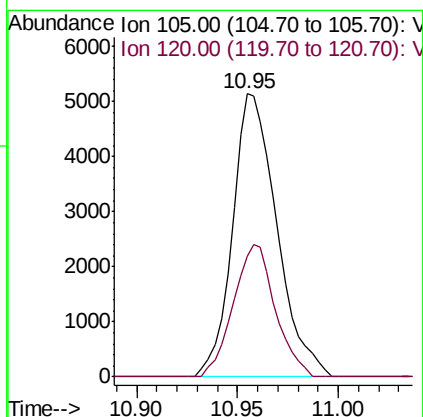
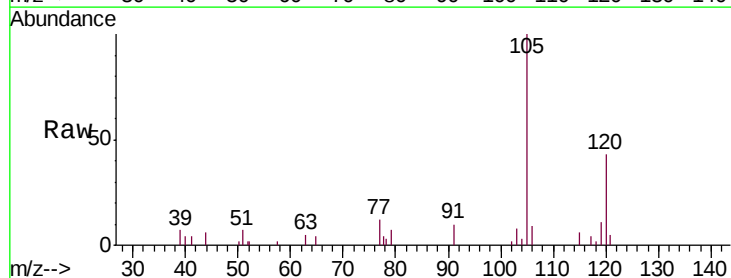
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL03

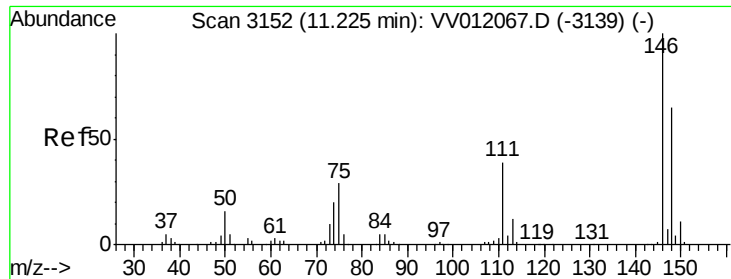
Tgt Ion:105 Resp: 7418
 Ion Ratio Lower Upper
 105 100
 120 54.5 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 0.256 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion:105 Resp: 7913
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.8 53.8

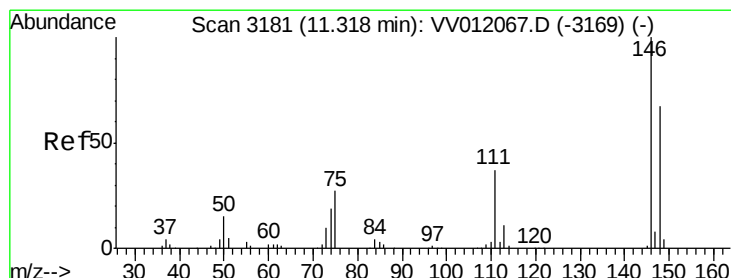
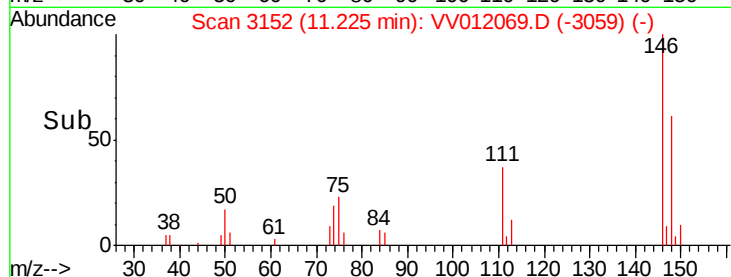
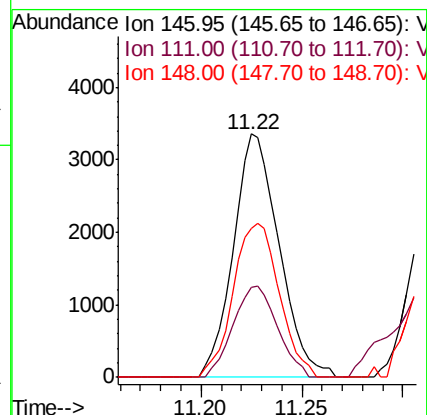
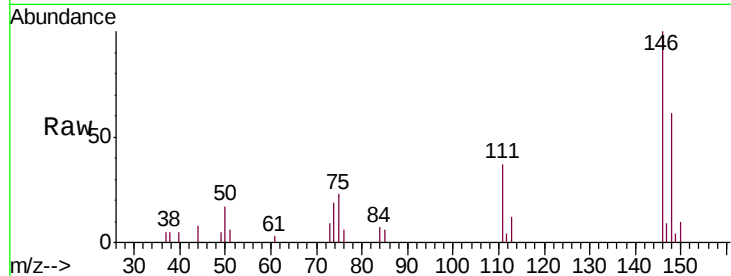




#64
 1,3-Dichlorobenzene
 Concen: 0.284 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

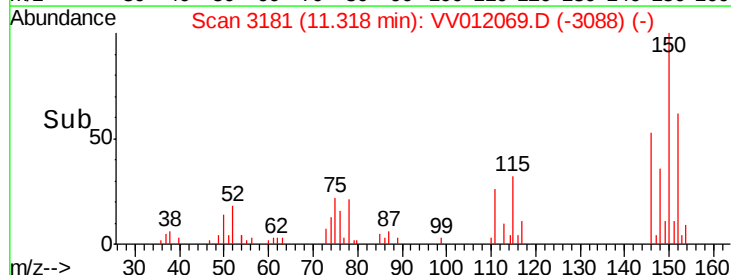
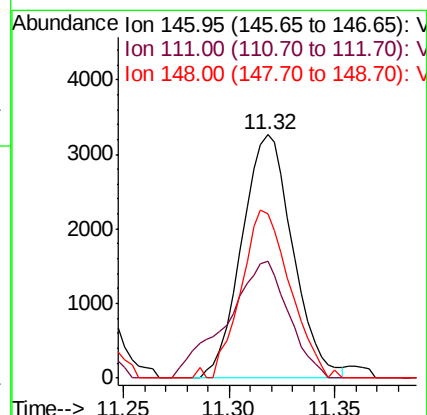
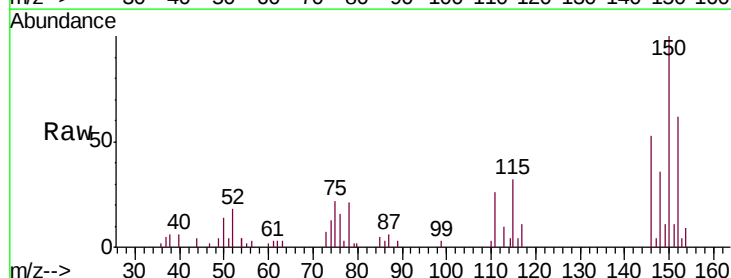
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

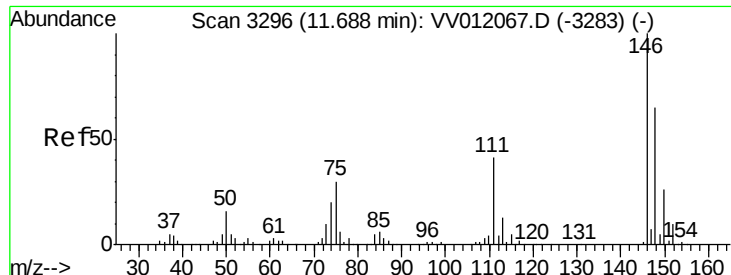
Tgt Ion:146 Resp: 5330
 Ion Ratio Lower Upper
 146 100
 111 37.1 27.2 50.6
 148 65.7 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 0.287 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion:146 Resp: 5494
 Ion Ratio Lower Upper
 146 100
 111 48.1 25.8 48.0#
 148 67.2 43.8 81.3

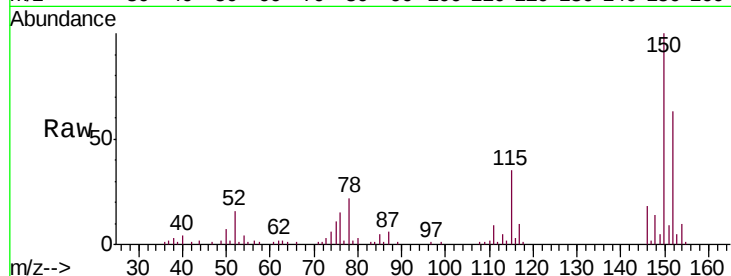




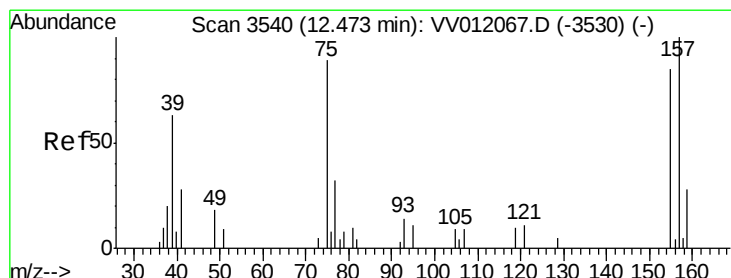
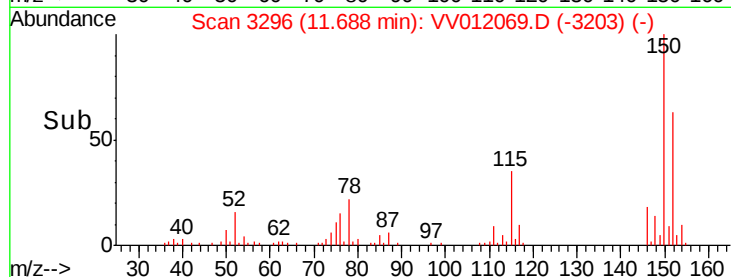
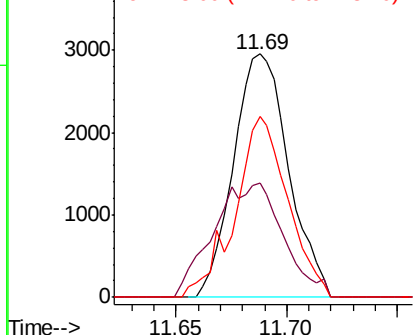
#67
 1,2-Dichlorobenzene
 Concen: 0.299 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 146 Resp: 5111
 Ion Ratio Lower Upper
 146 100
 111 46.9 32.4 48.6
 148 74.3 49.4 74.0#

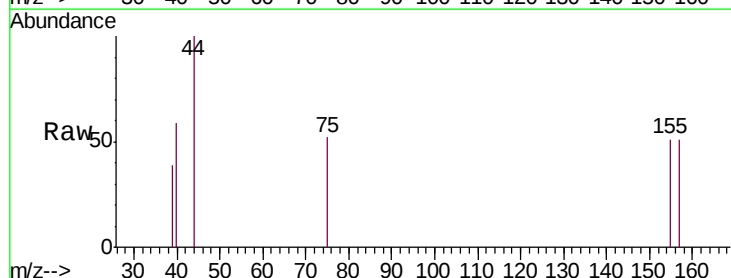


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

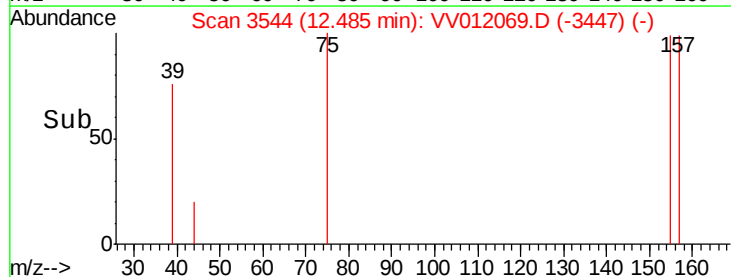
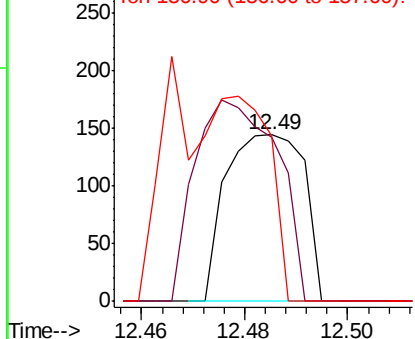


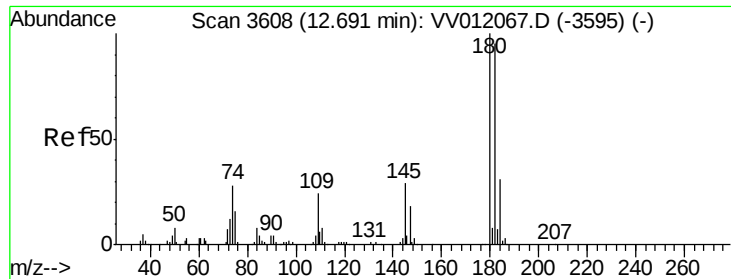
#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.170 ug/L
 RT: 12.49 min Scan# 3544
 Delta R.T. 0.01 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion: 75 Resp: 151
 Ion Ratio Lower Upper
 75 100
 155 98.6 75.0 112.6
 157 99.3 87.8 131.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

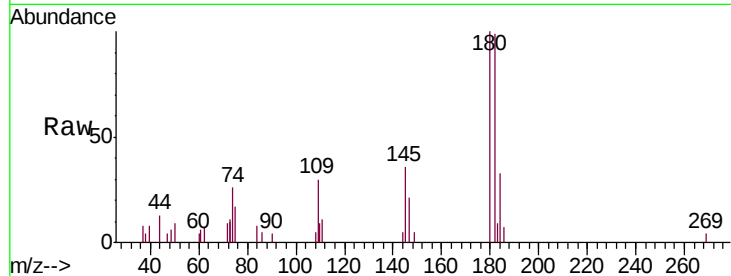




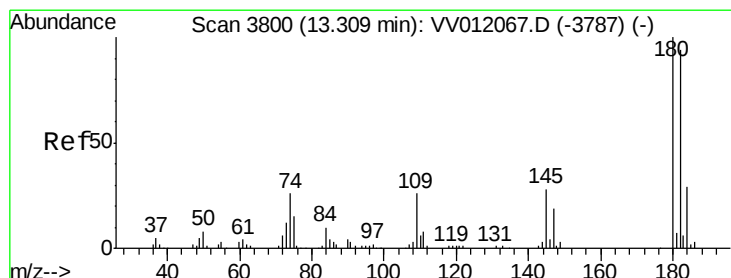
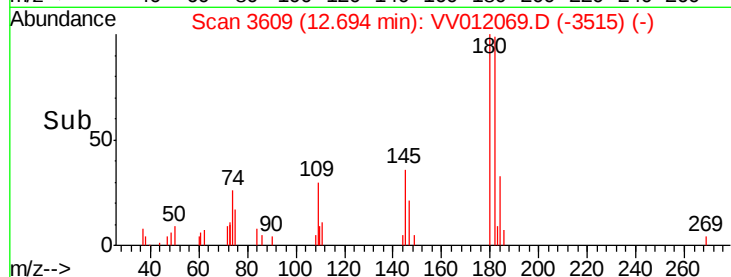
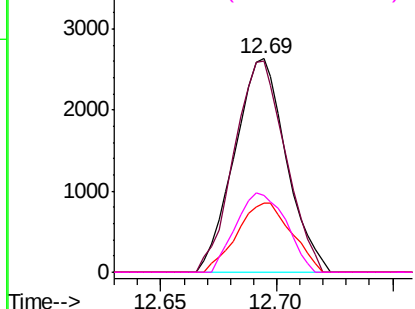
#69
 1,3,5-Trichlorobenzene
 Concen: 0.263 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 4089
 Ion Ratio Lower Upper
 180 100
 182 97.9 77.1 115.7
 184 34.1 24.6 36.8
 145 36.0 22.8 34.2#

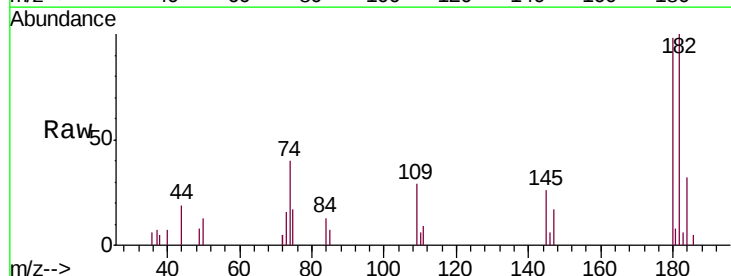


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

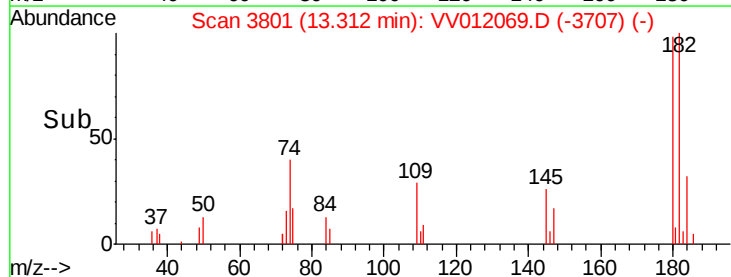
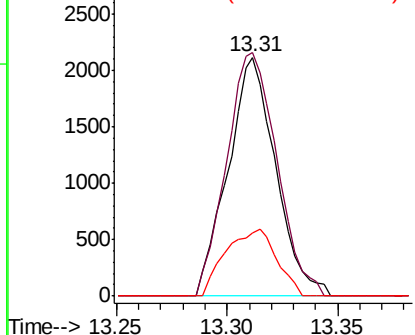


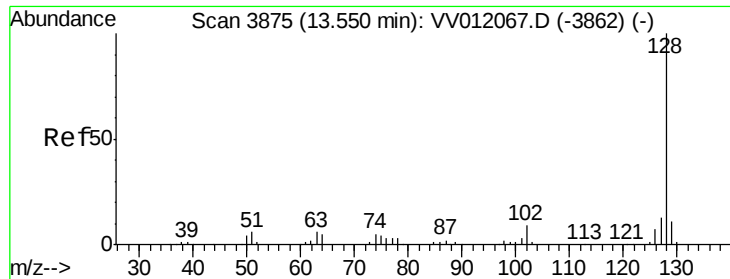
#70
 1,2,4-trichlorobenzene
 Concen: 0.259 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012069.D
 Acq: 30 Jul 2019 11:39

Tgt Ion:180 Resp: 3183
 Ion Ratio Lower Upper
 180 100
 182 107.4 76.1 114.1
 145 29.9 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

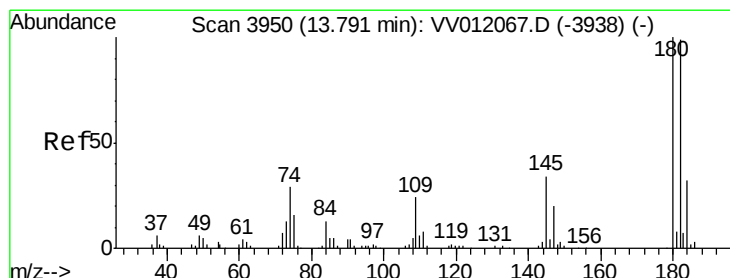
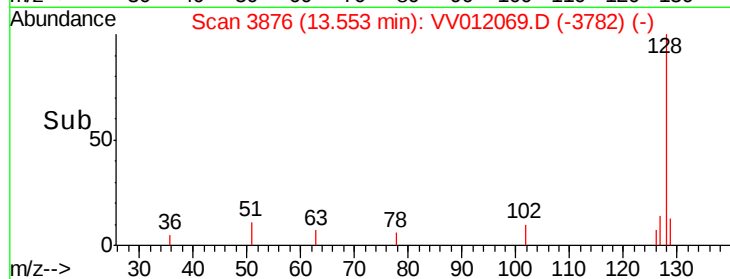
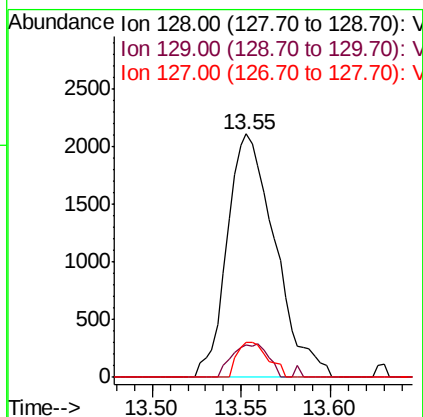
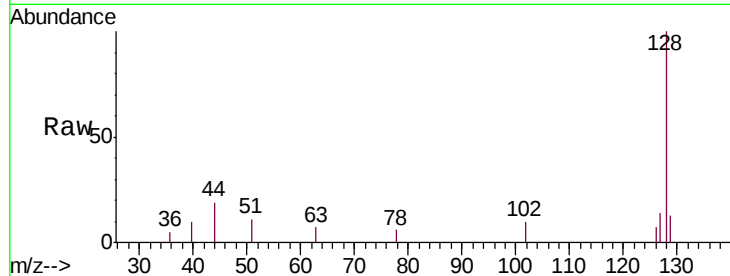




#71
Naphthalene
Concen: 0.232 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:128 Resp: 3958
Ion Ratio Lower Upper
128 100
129 6.3 9.1 13.7#
127 9.3 10.4 15.6#



#72
1,2,3-Trichlorobenzene
Concen: 0.257 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012069.D
Acq: 30 Jul 2019 11:39

Tgt Ion:180 Resp: 2807
Ion Ratio Lower Upper
180 100
182 99.3 78.5 117.7
145 32.7 25.8 38.8

