

Data File : VV012071.D
Acq On : 30 Jul 2019 12:30
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Quant Time: Jul 31 09:26:26 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	5.67	114	122796	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	120131	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.30	152	60395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30672	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.59	69	23744	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	49317	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	3.97	46	84389	53.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.94%
24) Chloroform-d	4.40	84	77837	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.09	65	45354	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.10	84	158560	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.12	67	44333	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.36	98	147987	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.67	79	19171	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	65744	50.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.48%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	31039	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
66) 1,2-Dichlorobenzene-d4	11.67	152	59768	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3882	0.277 ug/L	100
3) Chloromethane	1.25	50	1957	0.244 ug/L	90
5) Vinyl chloride	1.33	62	1963	0.240 ug/L #	67
6) Bromomethane	1.54	94	1343	0.274 ug/L	95
8) Chloroethane	1.60	64	1398	0.314 ug/L	97
9) Trichlorofluoromethane	1.77	101	3960	0.282 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2149	0.353 ug/L	90
12) 1,1-Dichloroethene	2.14	96	2000	0.355 ug/L #	1
13) Acetone	2.22	43	1390	1.600 ug/L	80
14) Carbon disulfide	2.32	76	4248	0.270 ug/L	98
15) Methyl Acetate	2.48	43	793	0.444 ug/L #	60
16) Methylene chloride	2.54	84	1583	0.274 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	5128	0.289 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	2422	0.298 ug/L	93
19) 1,1-Dichloroethane	3.23	63	3741	0.257 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	1471	0.170 ug/L	95
23) Bromochloromethane	4.31	128	1090	0.287 ug/L	95

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	12041	0.661	ug/L	92
27) 1,2-Dichloroethane	5.19	62	2871	0.285	ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	4217	0.284	ug/L #	84
30) Cyclohexane	4.72	56	3301	0.260	ug/L	97
31) Carbon tetrachloride	4.87	117	3562	0.267	ug/L	97
33) Benzene	5.14	78	9263	0.284	ug/L	100
34) Trichloroethene	5.96	95	2392	0.257	ug/L	82
35) Methylcyclohexane	6.17	83	3787	0.260	ug/L	94
37) 1,2-Dichloropropane	6.22	63	2112	0.280	ug/L #	95
38) Bromodichloromethane	6.56	83	3064	0.287	ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	3296	0.278	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10776	2.530	ug/L #	88
42) Toluene	7.43	91	9556	0.263	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	2535	0.265	ug/L #	82
45) 1,1,2-Trichloroethane	7.88	97	1686	0.293	ug/L	93
47) Tetrachloroethene	8.02	164	2115	0.260	ug/L	90
48) 2-Hexanone	8.19	43	8996	2.989	ug/L #	94
49) Dibromochloromethane	8.29	129	1942	0.275	ug/L	97
50) 1,2-Dibromoethane	8.40	107	1606	0.298	ug/L #	91
51) Chlorobenzene	8.93	112	6752	0.278	ug/L	96
52) Ethylbenzene	9.06	91	10253	0.248	ug/L	98
53) m,p-xylene	9.18	106	4263	0.270	ug/L	87
54) o-xylene	9.59	106	3722	0.250	ug/L	86
55) Styrene	9.61	104	5885	0.234	ug/L	85
57) 1,1,2,2-Tetrachloroethane	10.28	83	1781	0.288	ug/L #	94
59) Bromoform	9.77	173	995	0.273	ug/L #	94
60) Isopropylbenzene	9.97	105	9947	0.258	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	1261	0.286	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	7759	0.244	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	7316	0.231	ug/L	91
64) 1,3-Dichlorobenzene	11.23	146	5491	0.286	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	5446	0.278	ug/L	94
67) 1,2-Dichlorobenzene	11.69	146	4983	0.285	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.47	75	226	0.249	ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	4551	0.286	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	3302	0.262	ug/L	95
71) Naphthalene	13.56	128	4202	0.241	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.79	180	3039	0.273	ug/L	87

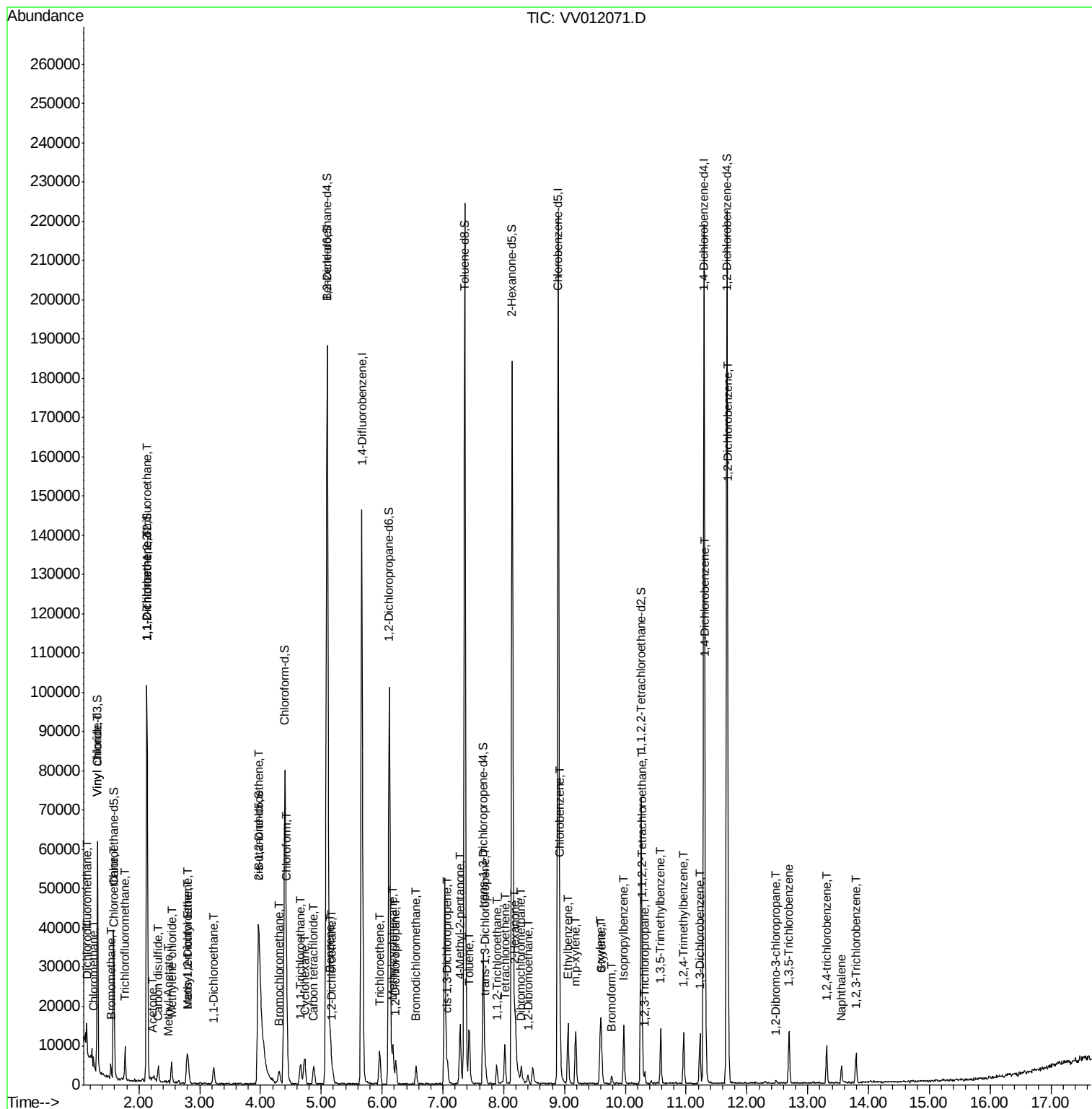
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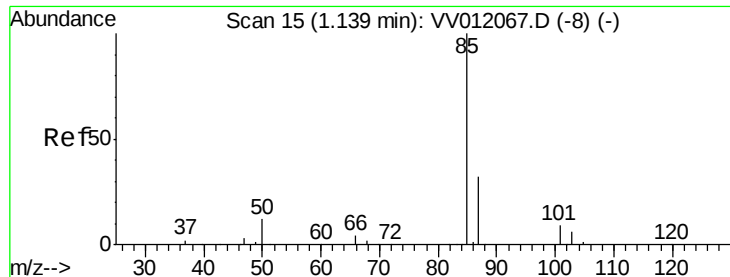
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```
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#2

Dichlorodifluoromethane

Concen: 0.277 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

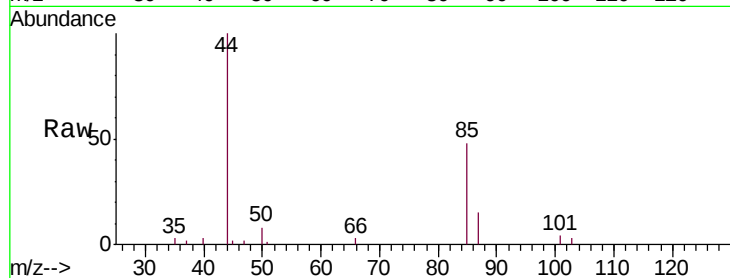
MDL05

Tgt Ion: 85 Resp: 3882

Ion Ratio Lower Upper

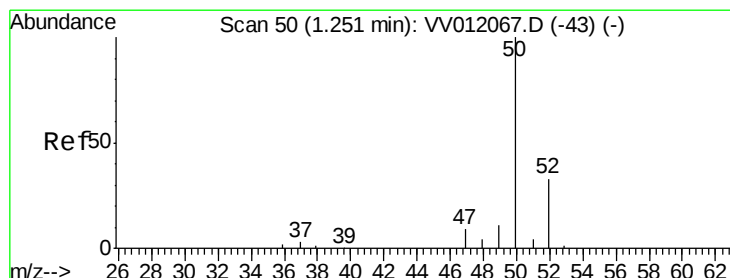
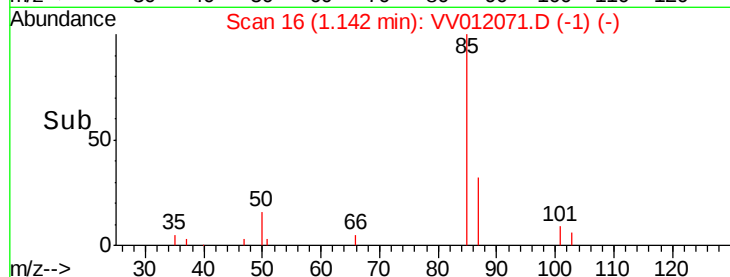
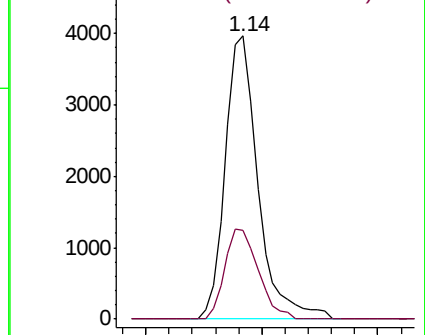
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.244 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012071.D

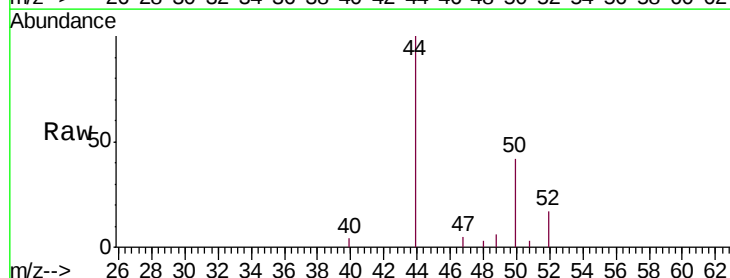
Acq: 30 Jul 2019 12:30

Tgt Ion: 50 Resp: 1957

Ion Ratio Lower Upper

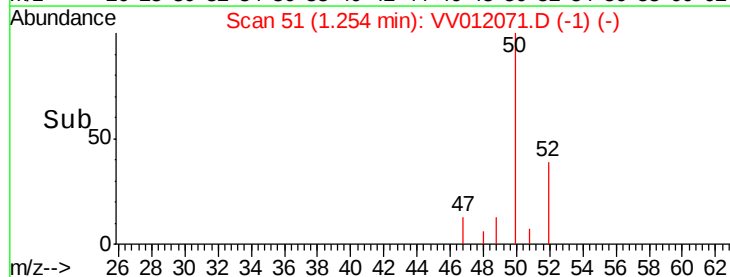
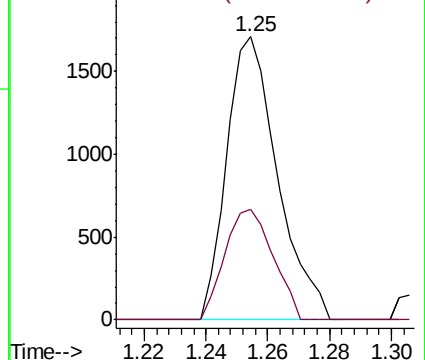
50 100

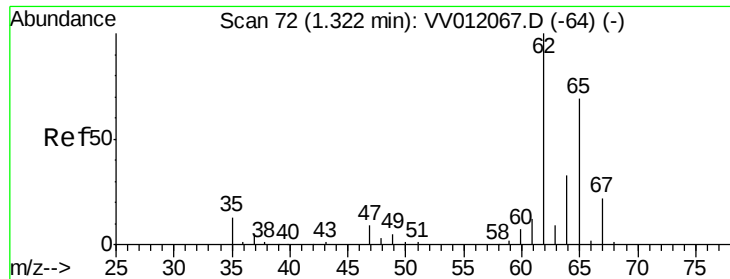
52 38.9 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.240 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

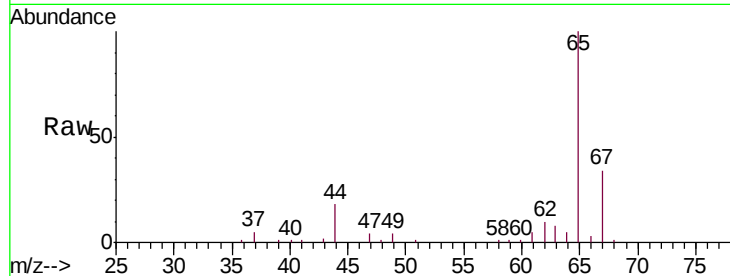
MDL05

Tgt Ion: 62 Resp: 1963

Ion Ratio Lower Upper

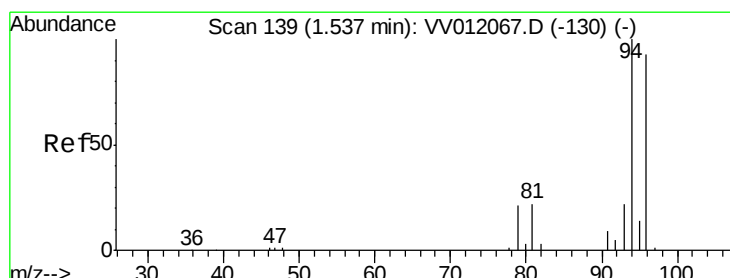
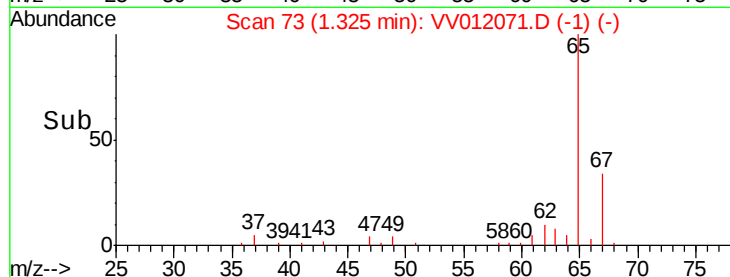
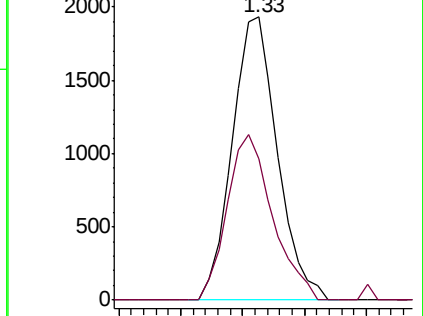
62 100

64 49.7 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: 0.274 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV012071.D

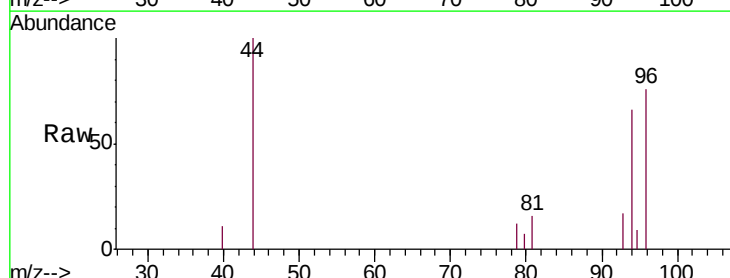
Acq: 30 Jul 2019 12:30

Tgt Ion: 94 Resp: 1343

Ion Ratio Lower Upper

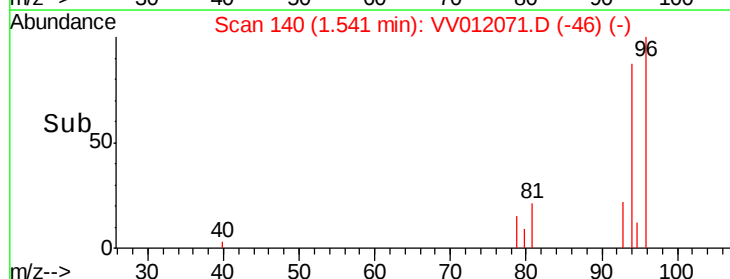
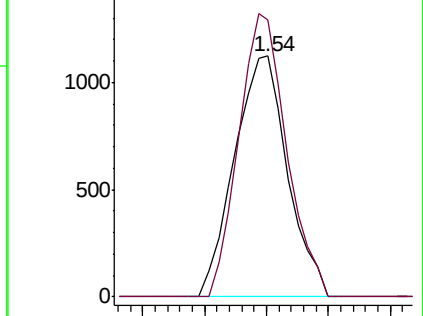
94 100

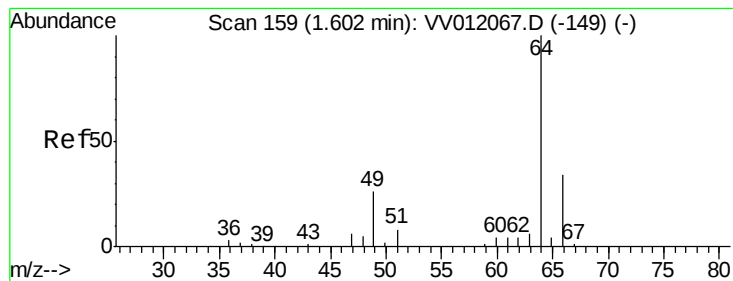
96 101.3 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.314 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

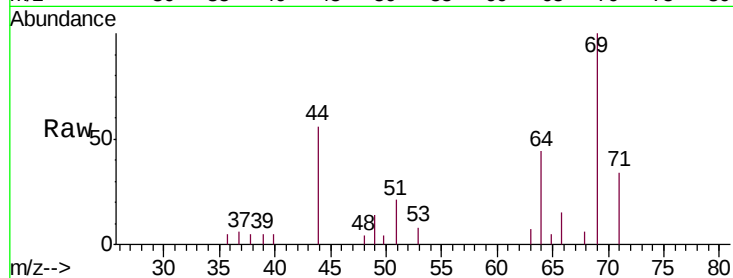
MDL05

Tgt Ion: 64 Resp: 1398

Ion Ratio Lower Upper

64 100

66 32.6 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV012067.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012067.D (-149) (-)

1.60

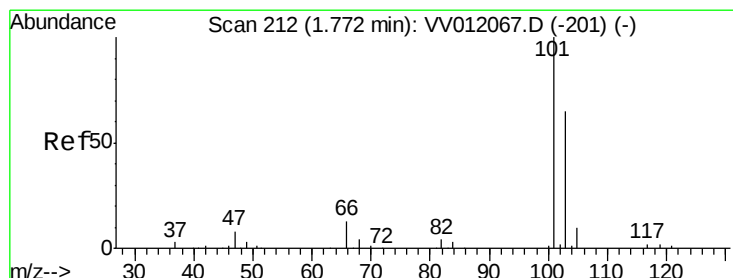
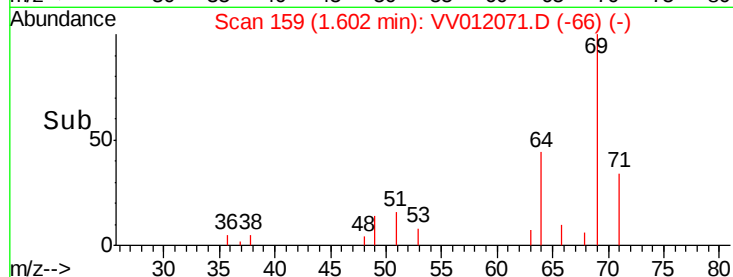
1000

500

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 0.282 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV012071.D

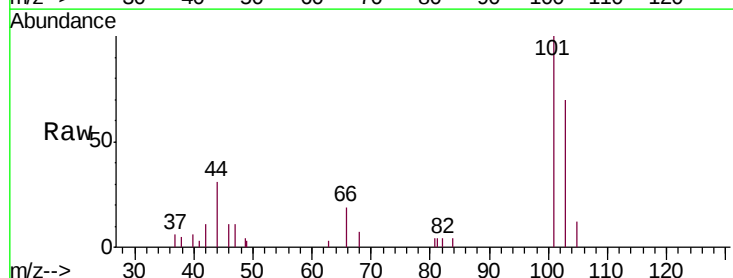
Acq: 30 Jul 2019 12:30

Tgt Ion: 101 Resp: 3960

Ion Ratio Lower Upper

101 100

103 67.0 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012067.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012067.D (-201) (-)

1.77

3000

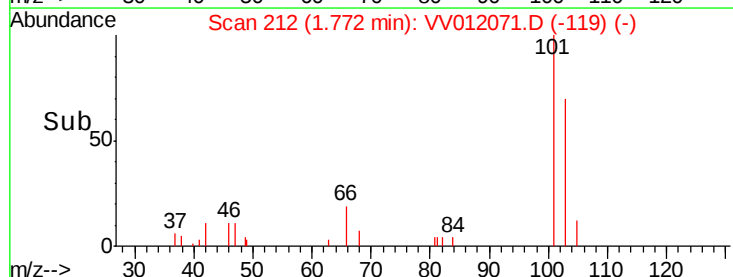
2000

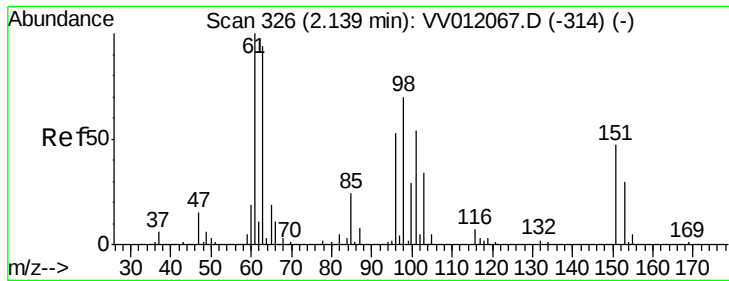
1000

0

1.75 1.77 1.79

Time-->





#10

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

Concen: 0.353 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

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ClientSampleId :

MDL05

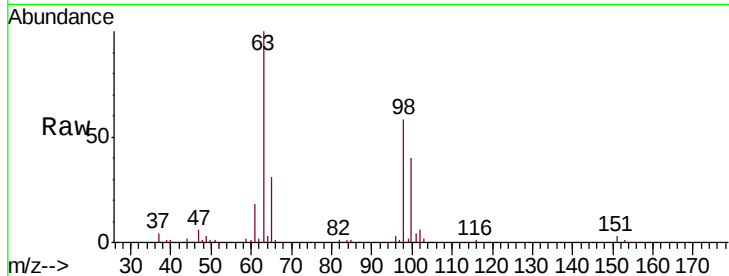
Tgt Ion:101 Resp: 2149

Ion Ratio Lower Upper

101 100

85 40.9 37.8 56.8

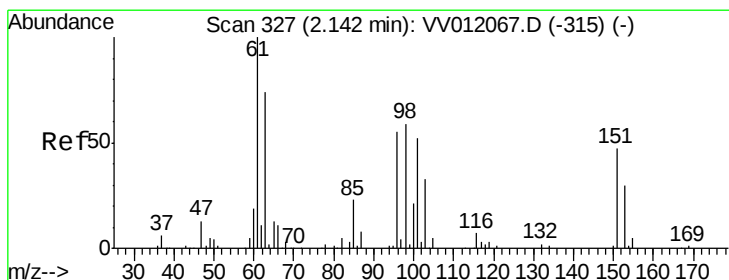
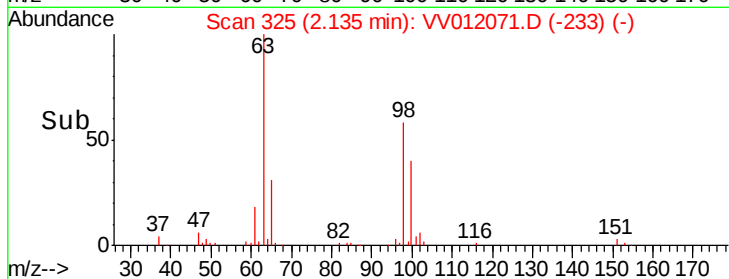
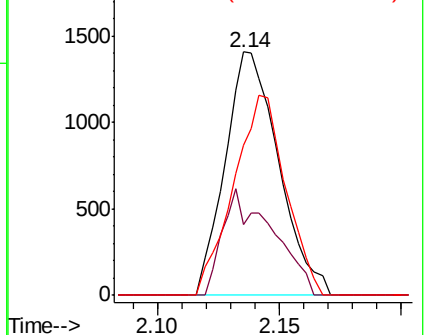
151 79.7 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): VV012071.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV012071.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV012071.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 0.355 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

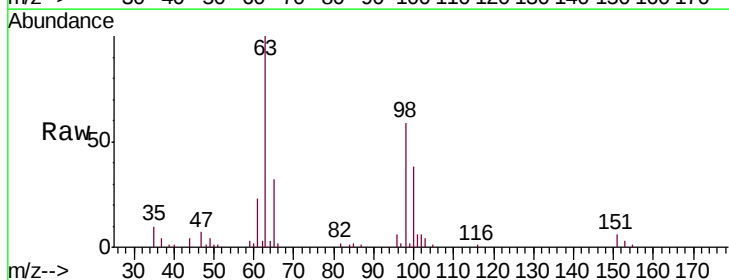
Tgt Ion: 96 Resp: 2000

Ion Ratio Lower Upper

96 100

61 376.1 127.8 237.4#

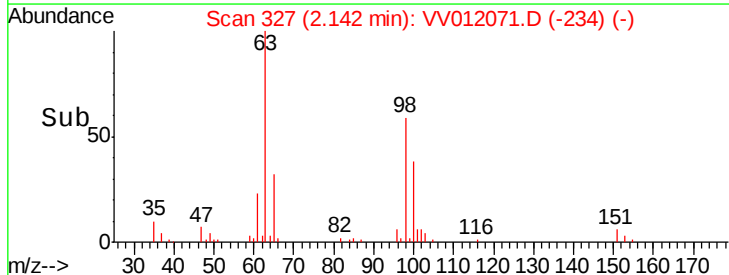
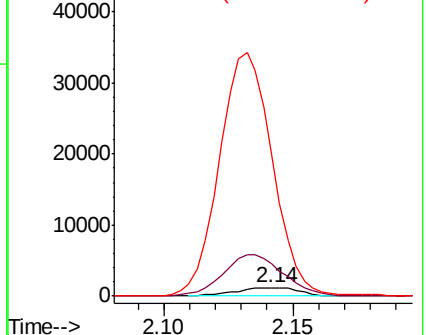
63 1648.0 92.7 172.3#

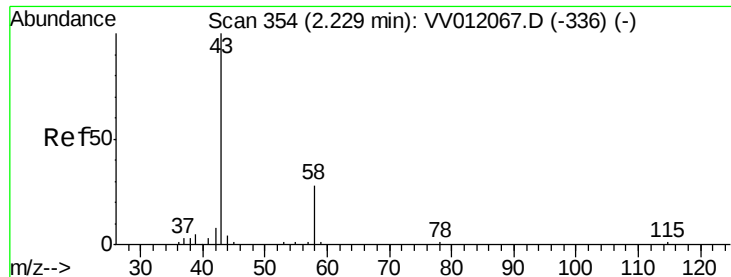


Abundance Ion 96.00 (95.70 to 96.70): VV012071.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV012071.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV012071.D (-234) (-)





#13

Acetone

Concen: 1.600 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

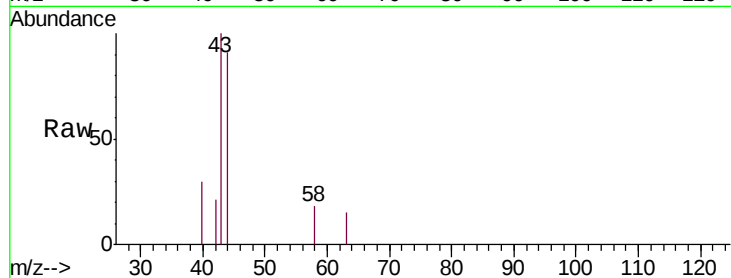
MDL05

Tgt Ion: 43 Resp: 1390

Ion Ratio Lower Upper

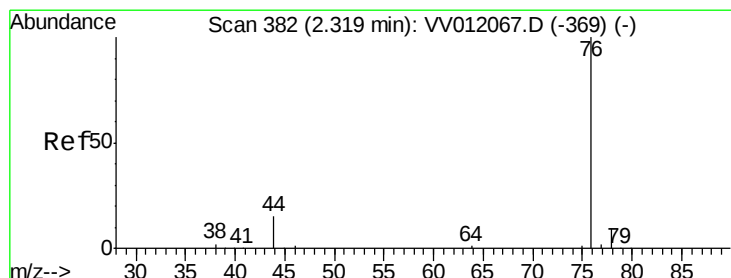
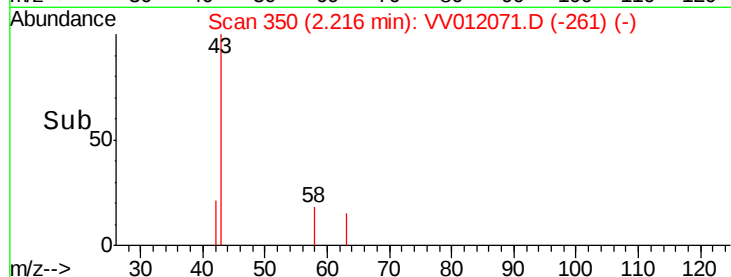
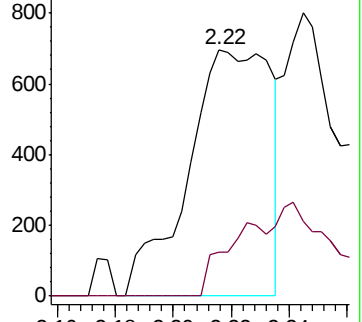
43 100

58 15.5 0.0 51.6



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

Ion 58.05 (57.75 to 58.75): VV012067.D (-336) (-)



#14

Carbon disulfide

Concen: 0.270 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012071.D

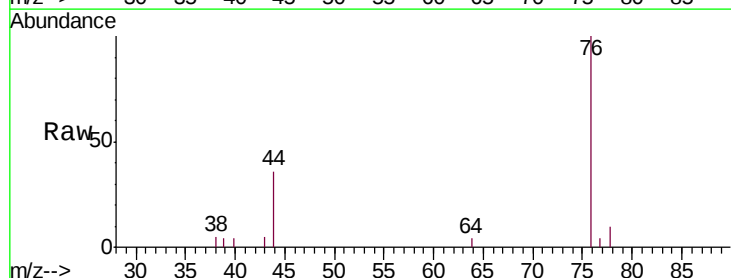
Acq: 30 Jul 2019 12:30

Tgt Ion: 76 Resp: 4248

Ion Ratio Lower Upper

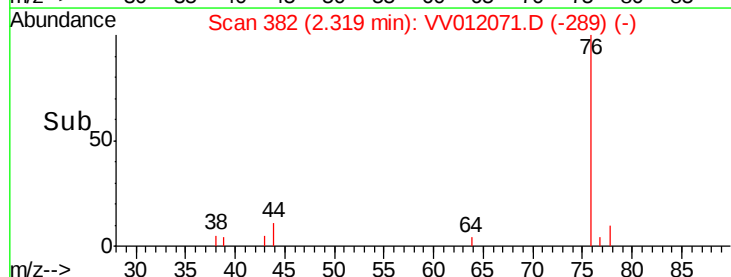
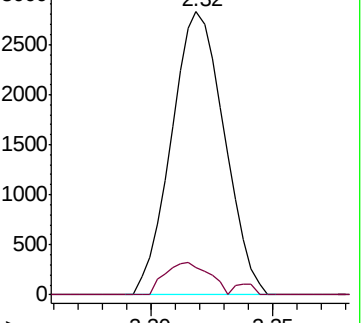
76 100

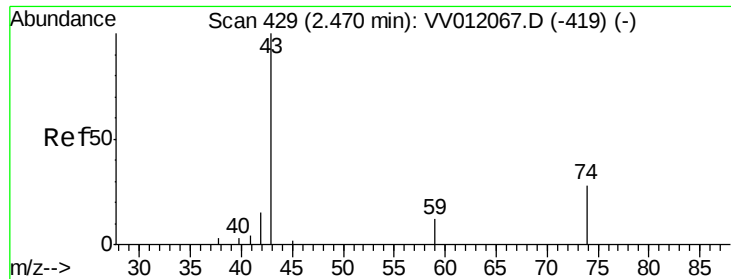
78 9.8 7.2 10.8



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

Ion 78.00 (77.70 to 78.70): VV012067.D (-369) (-)

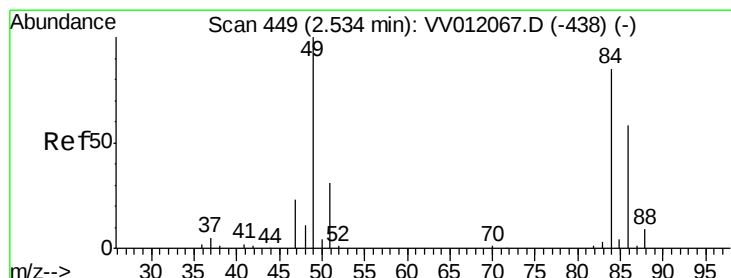
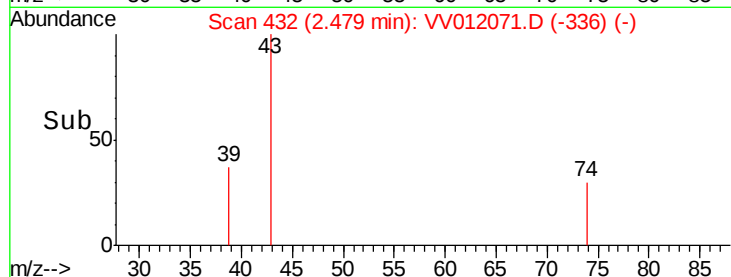
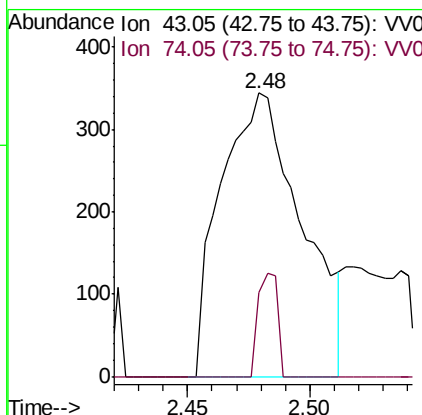
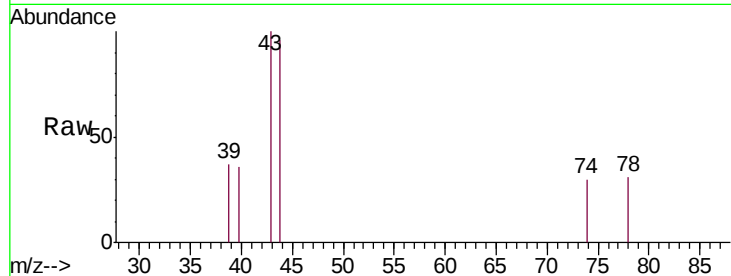




#15
Methyl Acetate
Concen: 0.444 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.01 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

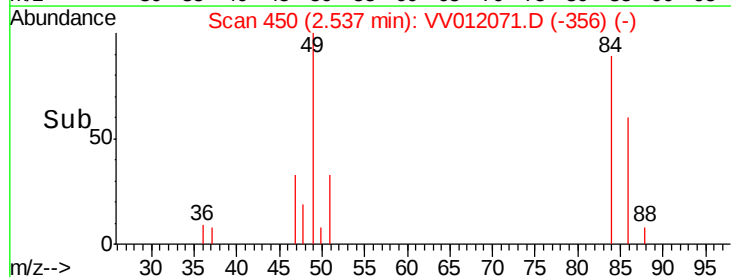
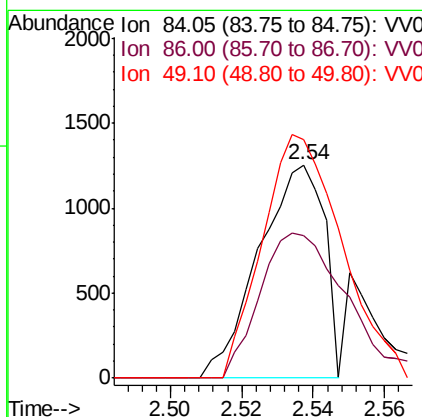
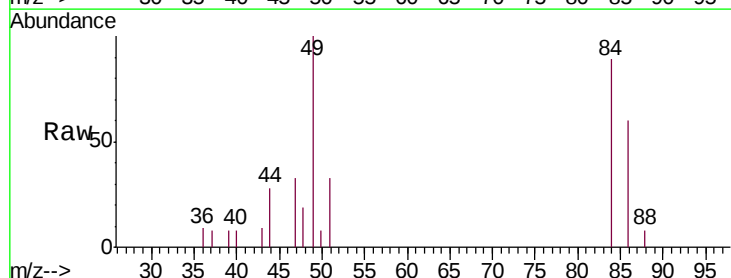
Instrument :
MSVOA_V
ClientSampleId :
MDL05

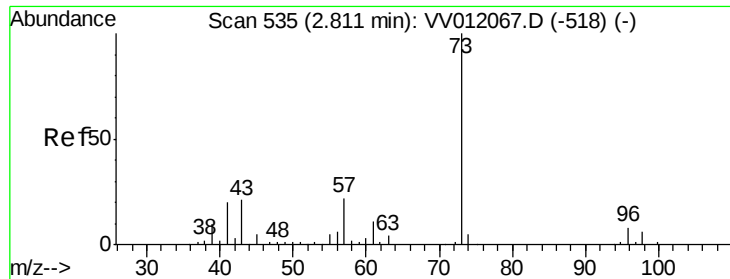
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
74 8.4 24.4 36.6#



#16
Methylene chloride
Concen: 0.274 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Tgt Ion: 84 Resp: 1583
Ion Ratio Lower Upper
84 100
86 67.1 44.9 83.3
49 120.6 78.6 146.0

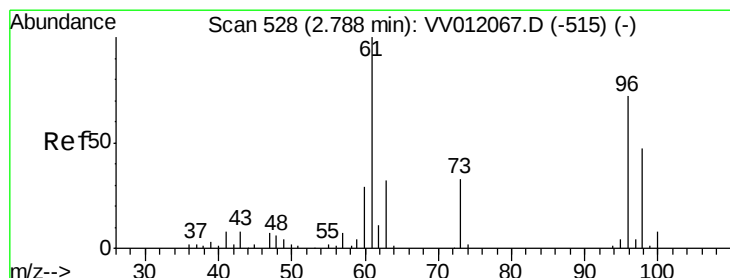
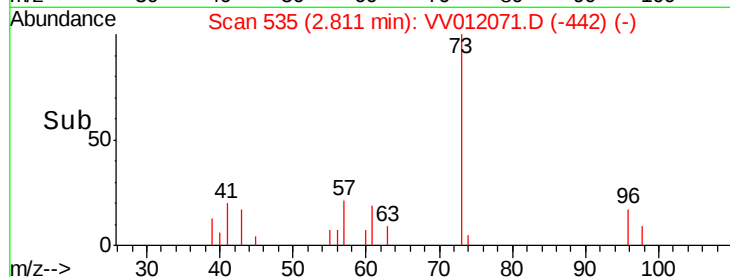
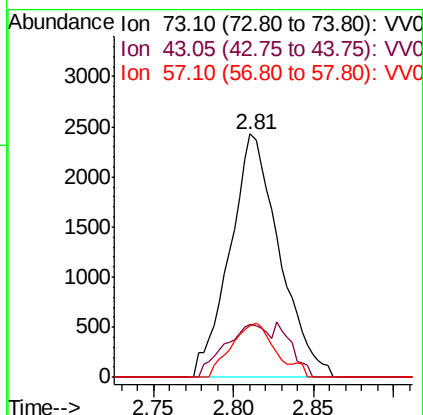
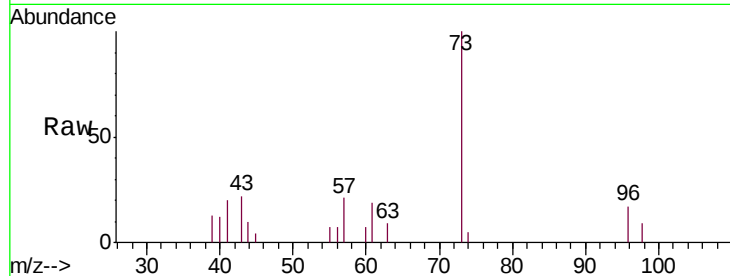




#17
Methyl tert-butyl Ether
Concen: 0.289 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

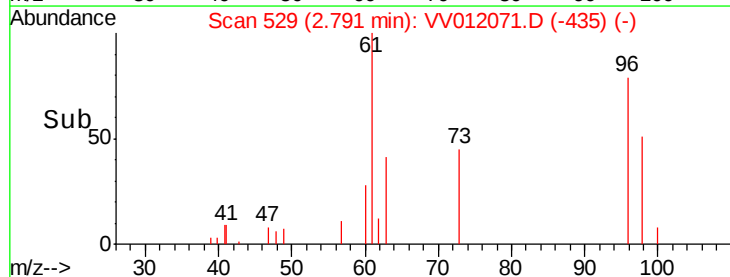
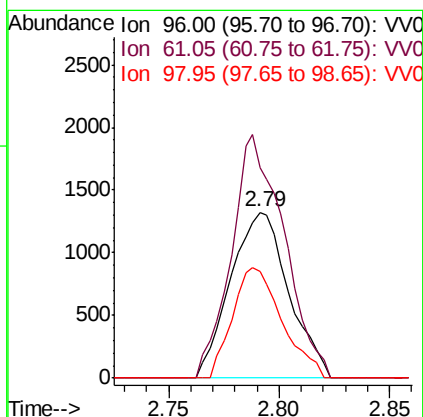
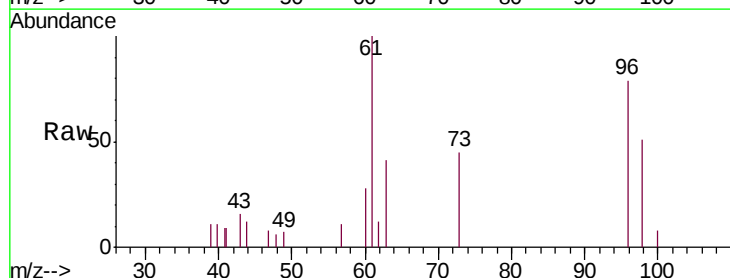
Instrument :
MSVOA_V
ClientSampleId :
MDL05

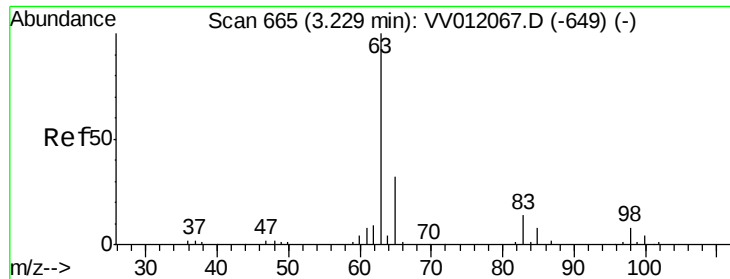
Tgt Ion: 73 Resp: 5128
Ion Ratio Lower Upper
73 100
43 19.4 17.6 26.4
57 20.1 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.298 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Tgt Ion: 96 Resp: 2422
Ion Ratio Lower Upper
96 100
61 127.1 97.2 180.6
98 64.3 45.0 83.6

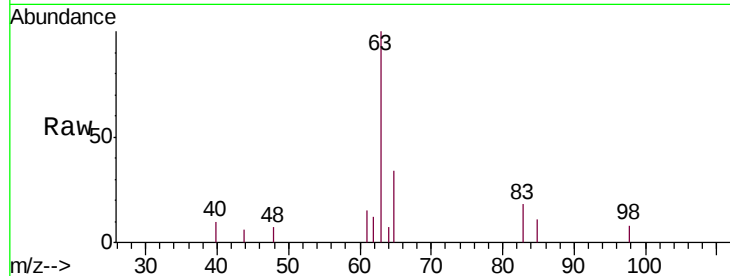




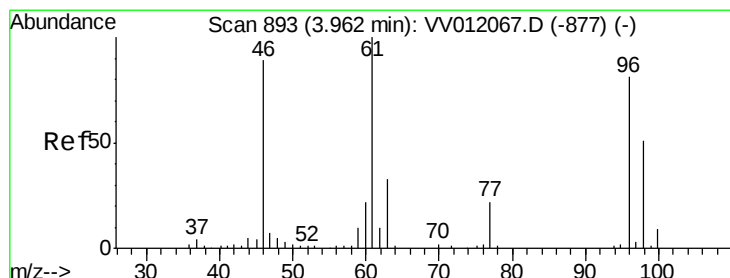
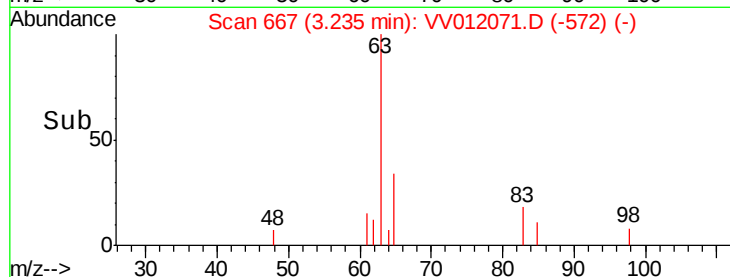
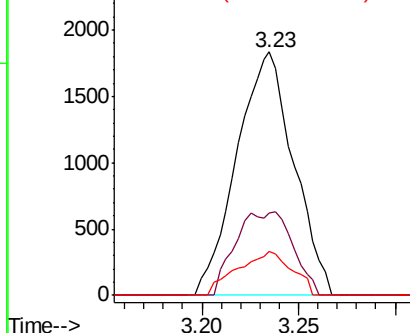
#19
 1,1-Dichloroethane
 Concen: 0.257 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 3741
 Ion Ratio Lower Upper
 63 100
 65 33.8 23.0 42.6
 83 17.9 9.7 17.9

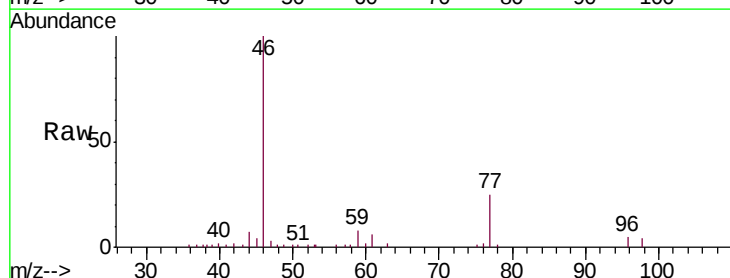


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

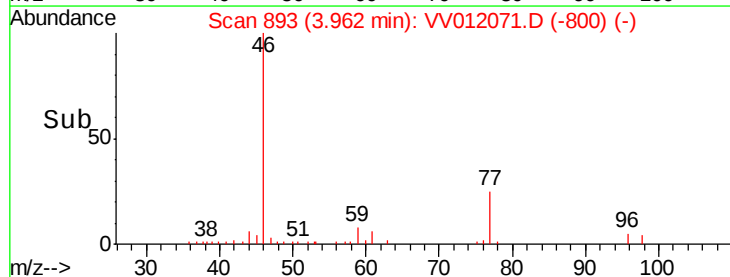
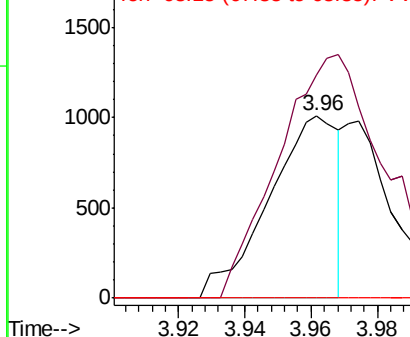


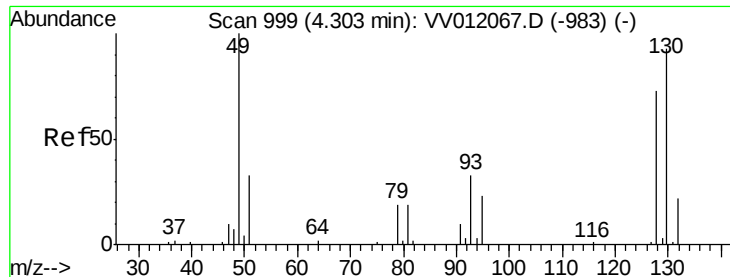
#22
 cis-1,2-Dichloroethene
 Concen: 0.170 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion: 96 Resp: 1471
 Ion Ratio Lower Upper
 96 100
 61 122.3 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

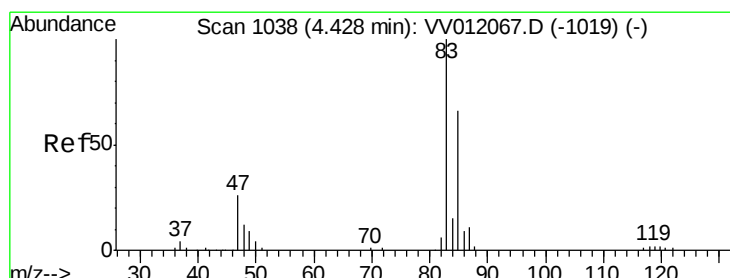
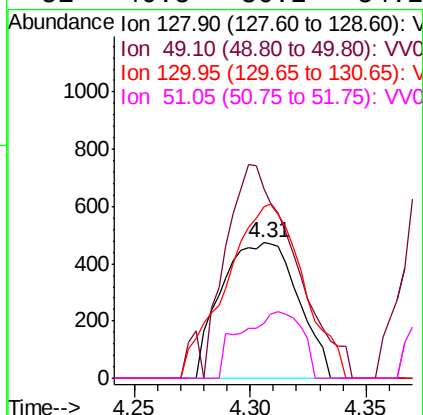
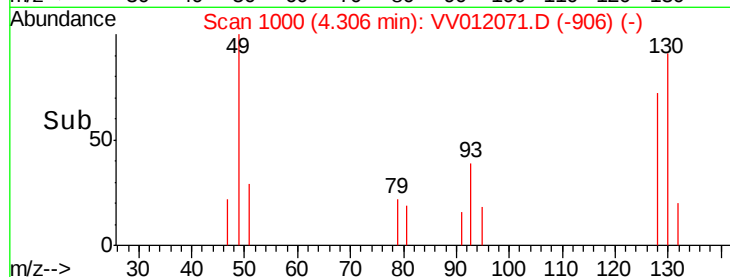
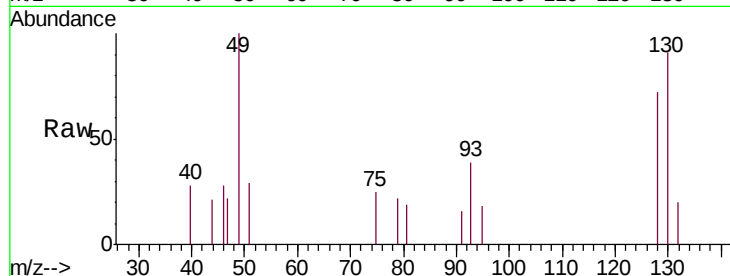




#23
Bromochloromethane
Concen: 0.287 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

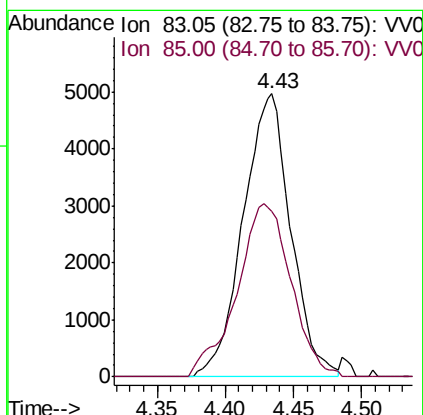
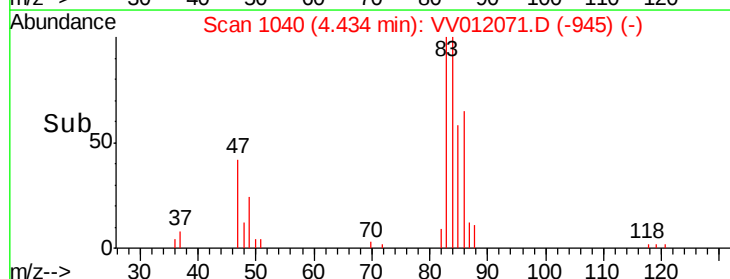
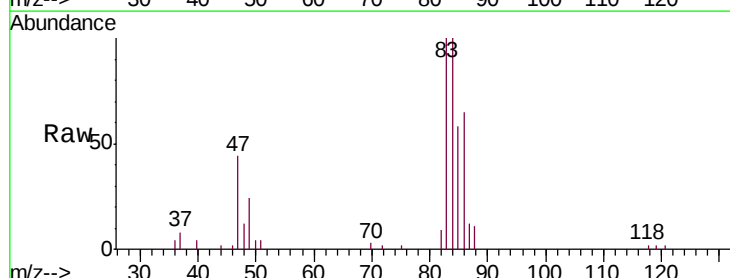
Instrument :
MSVOA_V
ClientSampleId :
MDL05

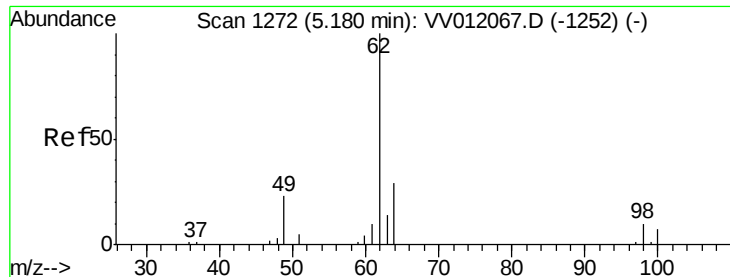
Tgt Ion:128 Resp: 1090
Ion Ratio Lower Upper
128 100
49 139.5 105.1 195.1
130 126.4 88.9 165.1
51 40.5 36.2 54.2



#25
Chloroform
Concen: 0.661 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Tgt Ion: 83 Resp: 12041
Ion Ratio Lower Upper
83 100
85 58.4 45.2 84.0

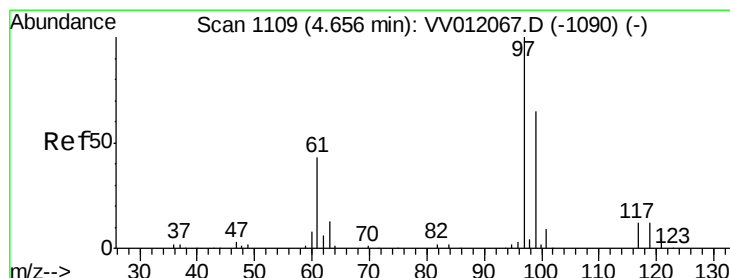
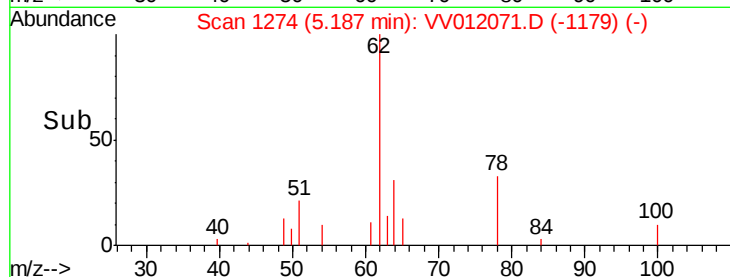
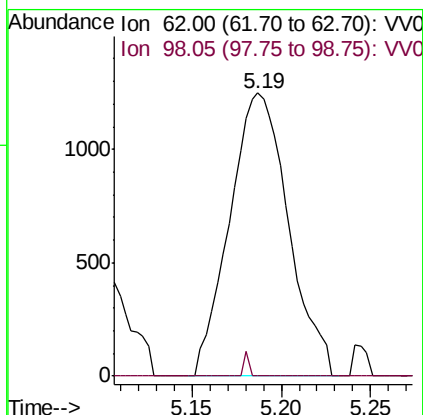
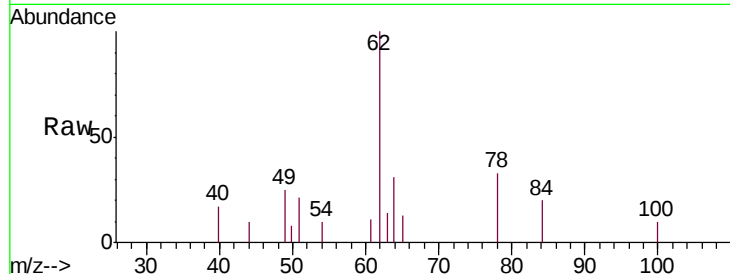




#27
 1,2-Dichloroethane
 Concen: 0.285 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

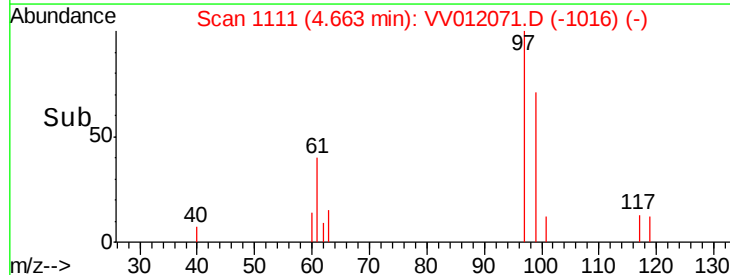
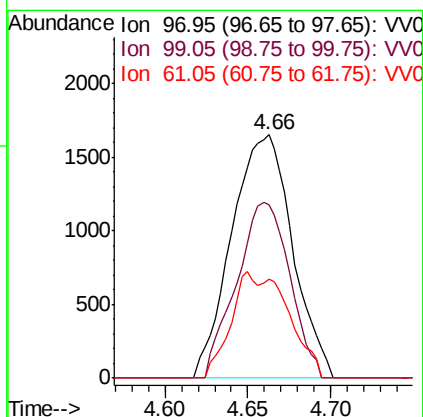
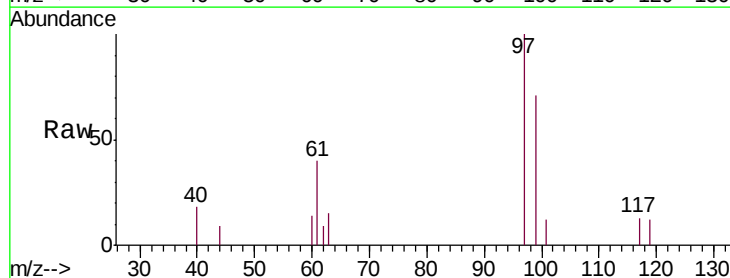
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

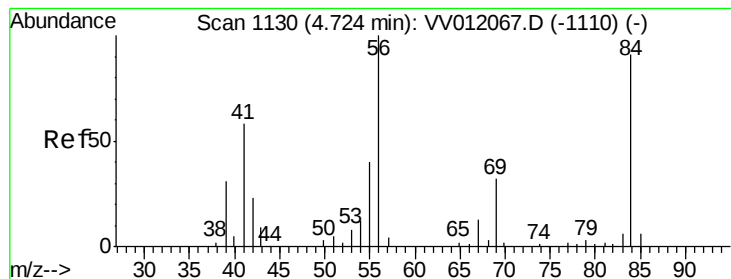
Tgt Ion: 62 Resp: 2871
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#29
 1,1,1-Trichloroethane
 Concen: 0.284 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion: 97 Resp: 4217
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.8 77.8
 61 19.8 34.5 51.7#





#30

Cyclohexane

Concen: 0.260 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

MDL05

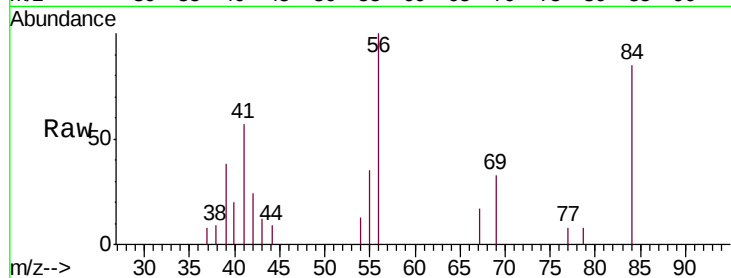
Tgt Ion: 56 Resp: 3301

Ion Ratio Lower Upper

56 100

69 34.4 24.8 37.2

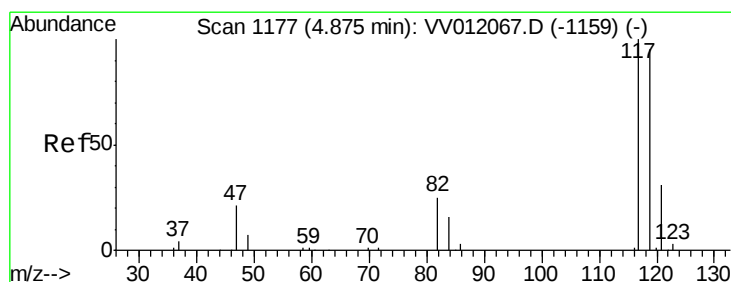
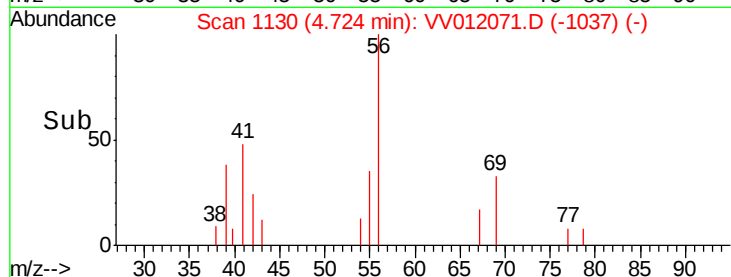
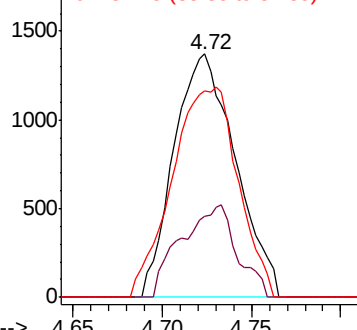
84 92.3 75.4 113.2



Abundance Ion 56.10 (55.80 to 56.80): VV012067.D (-1110) (-)

Ion 69.15 (68.85 to 69.85): VV012067.D (-1110) (-)

Ion 84.15 (83.85 to 84.85): VV012067.D (-1110) (-)



#31

Carbon tetrachloride

Concen: 0.267 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012071.D

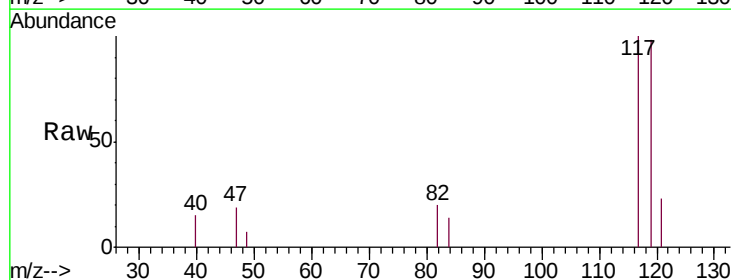
Acq: 30 Jul 2019 12:30

Tgt Ion: 117 Resp: 3562

Ion Ratio Lower Upper

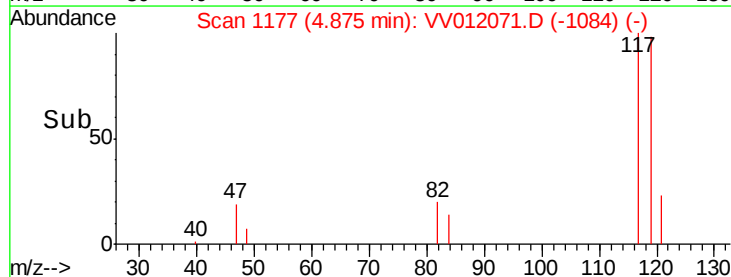
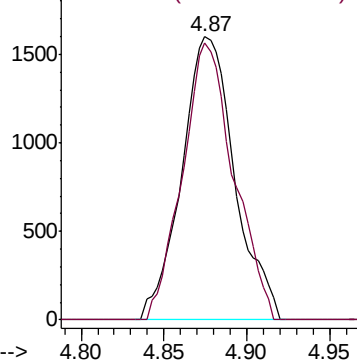
117 100

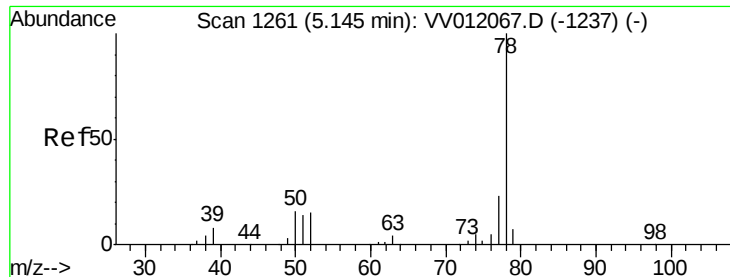
119 94.6 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): VV012067.D (-1159) (-)

Ion 118.90 (118.60 to 119.60): VV012067.D (-1159) (-)





#33

Benzene

Concen: 0.284 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

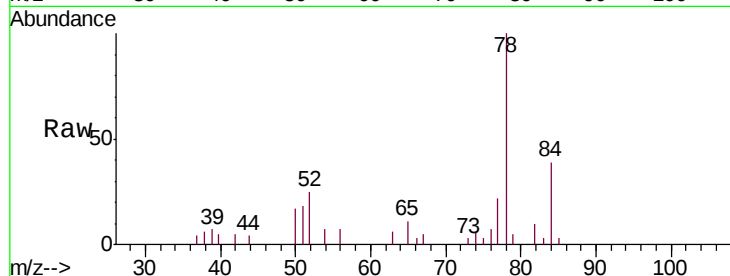
Instrument :

MSVOA_V

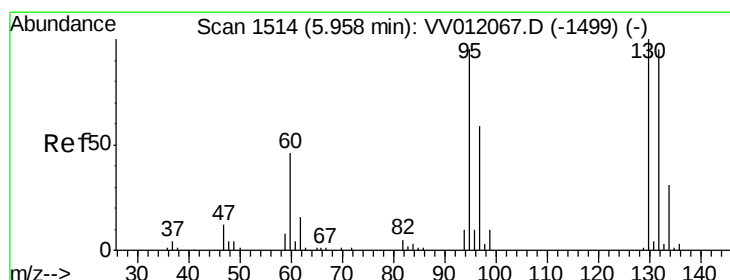
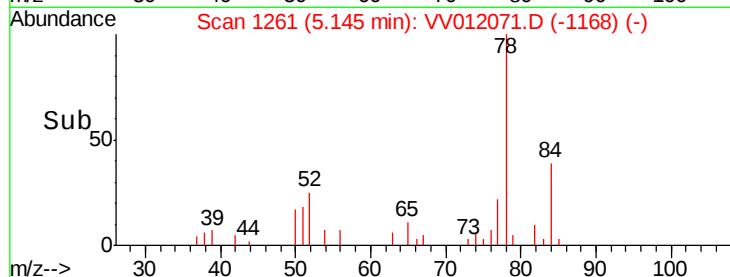
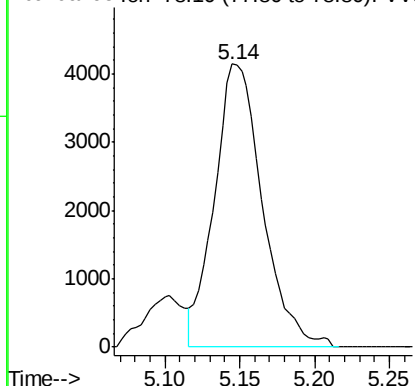
ClientSampleId :

MDL05

Tgt Ion: 78 Resp: 9263



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.257 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Tgt Ion: 95 Resp: 2392

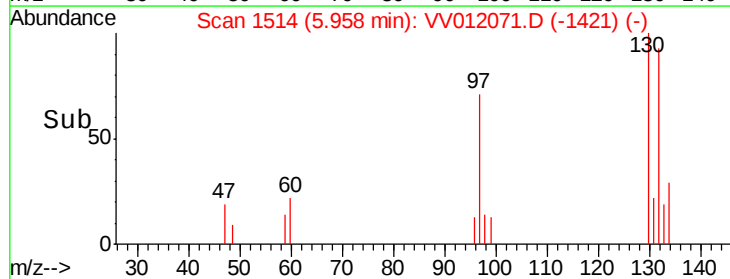
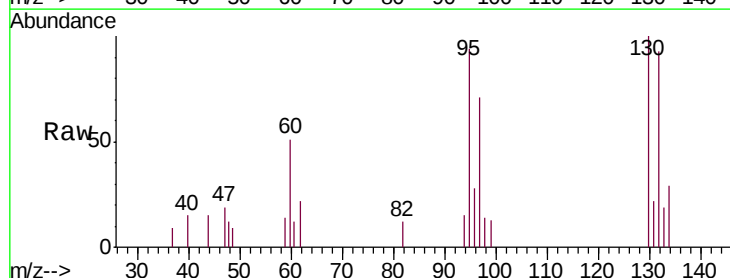
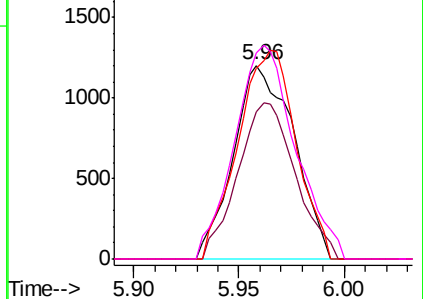
Ion	Ratio	Lower	Upper
95	100		
97	58.7	42.8	79.6
132	76.2	70.8	131.6
130	82.3	72.3	134.3

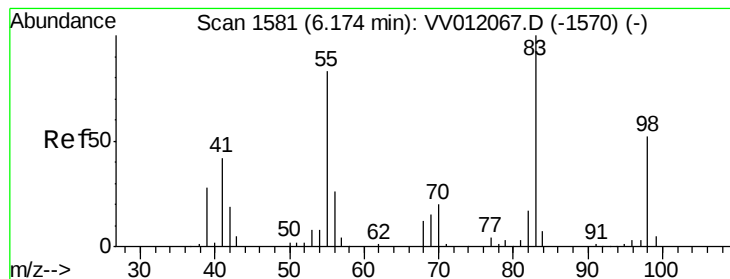
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.260 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

MDL05

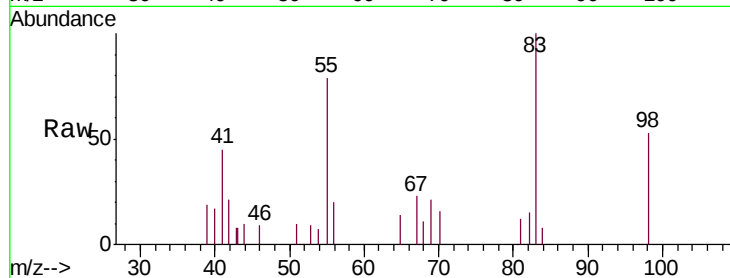
Tgt Ion: 83 Resp: 3787

Ion Ratio Lower Upper

83 100

55 79.6 60.1 90.1

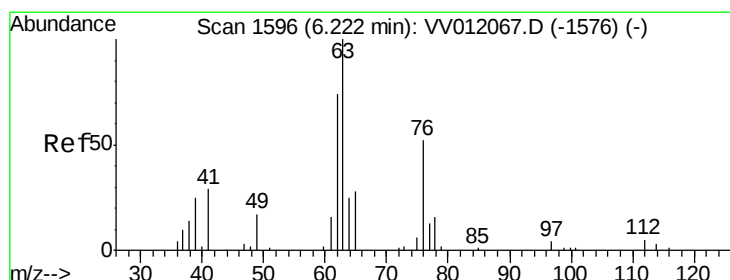
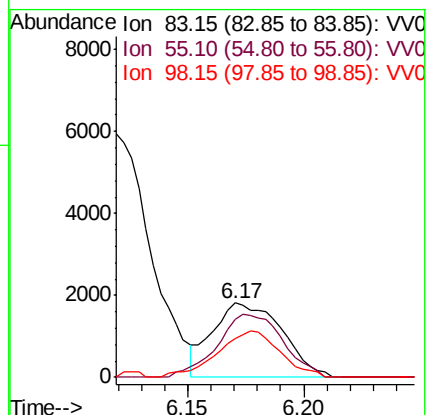
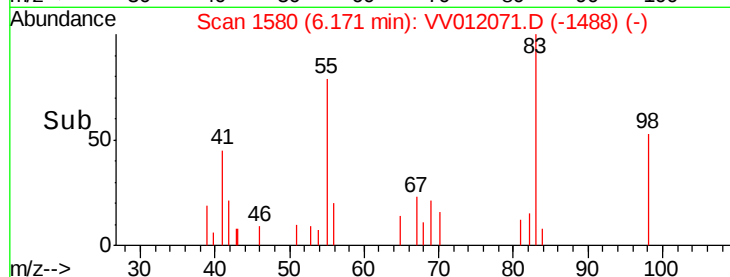
98 55.8 40.2 60.4



Abundance Ion 83.15 (82.85 to 83.85): VV012067.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV012067.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV012067.D (-1570) (-)



#37

1,2-Dichloropropane

Concen: 0.280 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV012071.D

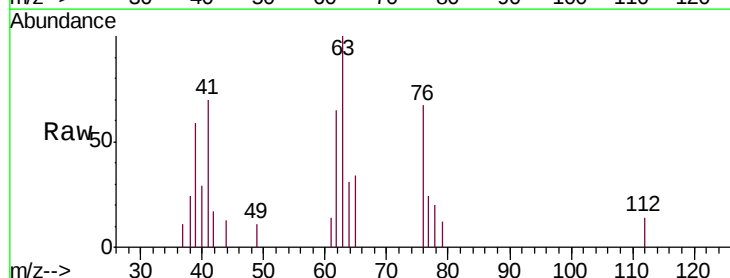
Acq: 30 Jul 2019 12:30

Tgt Ion: 63 Resp: 2112

Ion Ratio Lower Upper

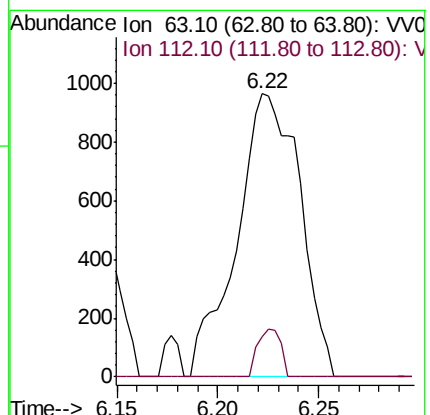
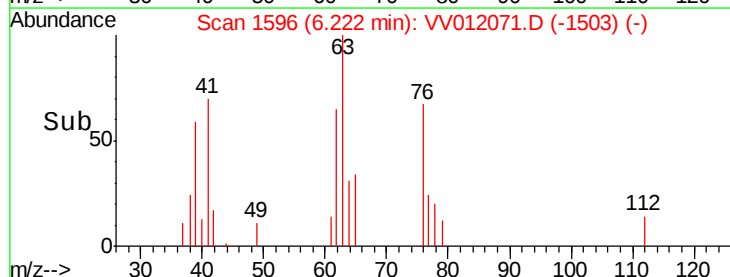
63 100

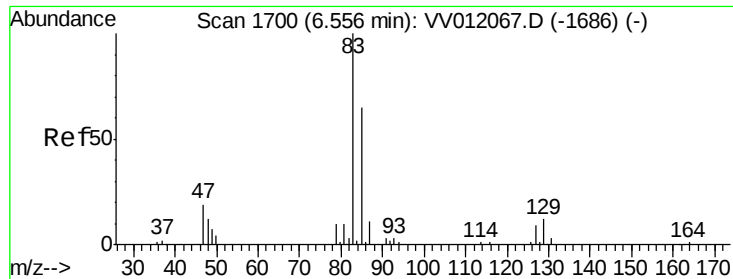
112 6.2 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012067.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV012067.D (-1576) (-)

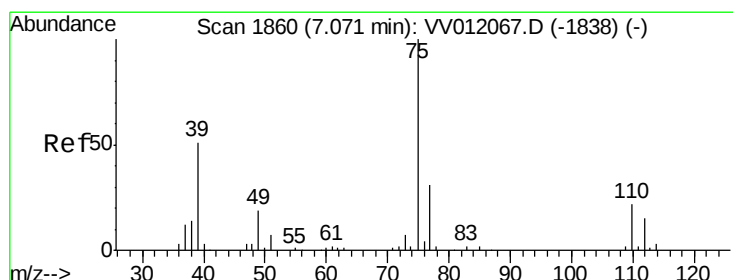
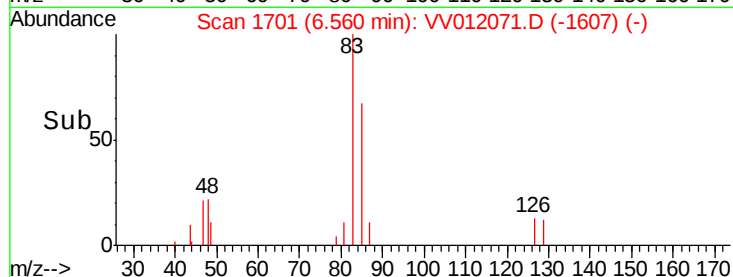
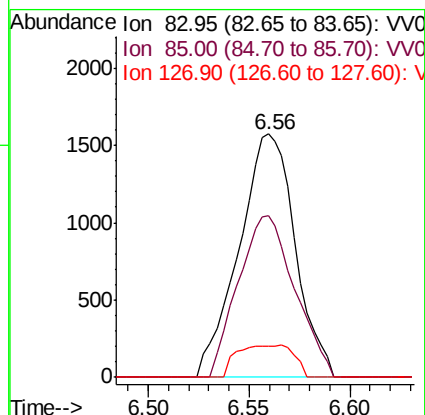
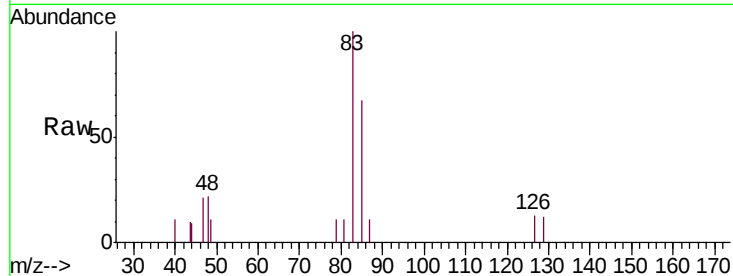




#38
 Bromodichloromethane
 Concen: 0.287 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

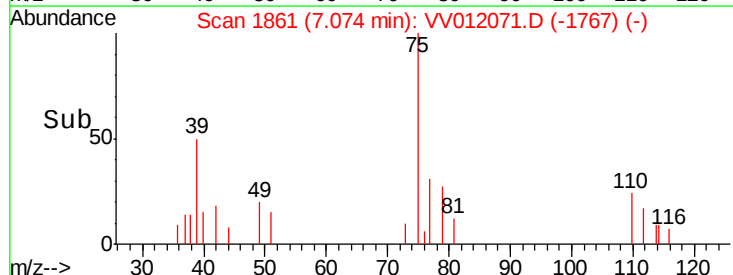
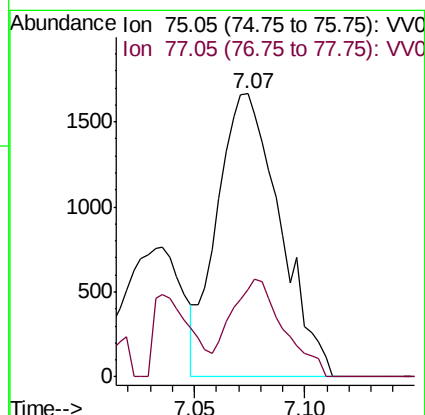
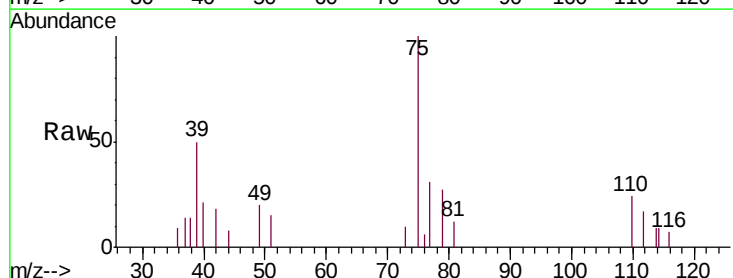
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

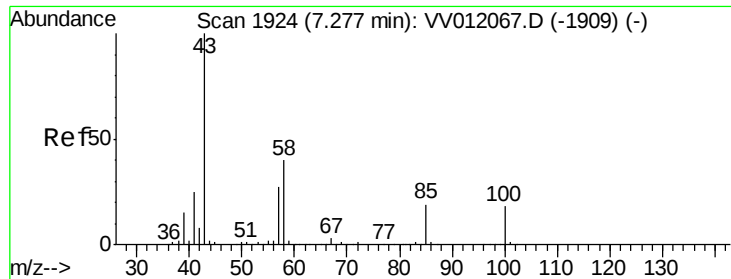
Tgt Ion: 83 Resp: 3064
 Ion Ratio Lower Upper
 83 100
 85 66.6 43.9 81.5
 127 12.6 6.9 10.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.278 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion: 75 Resp: 3296
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.4 41.6

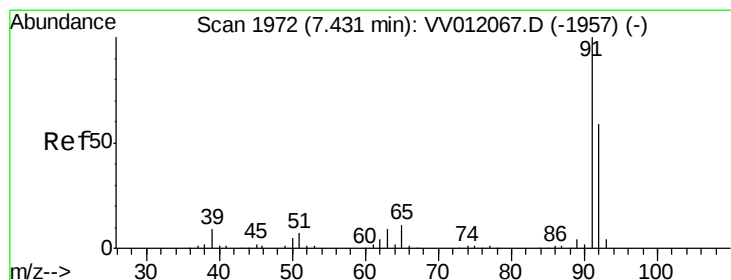
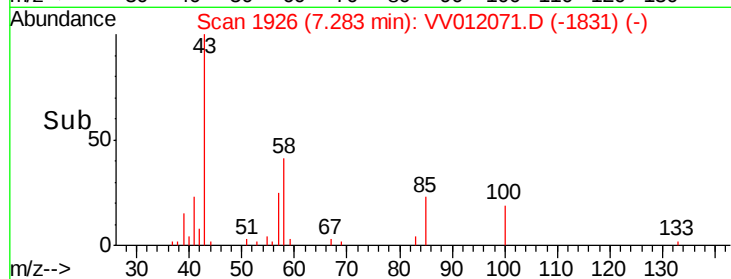
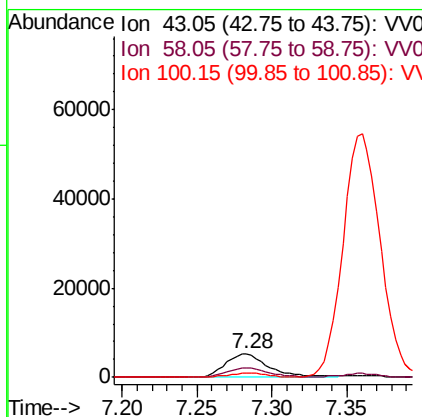
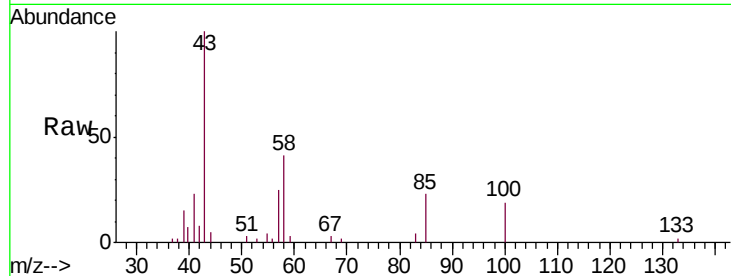




#40
4-Methyl-2-pentanone
Concen: 2.530 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.01 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

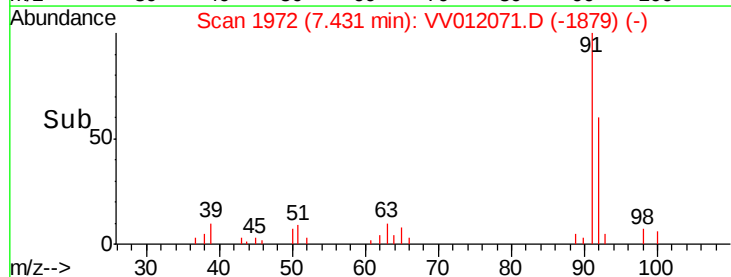
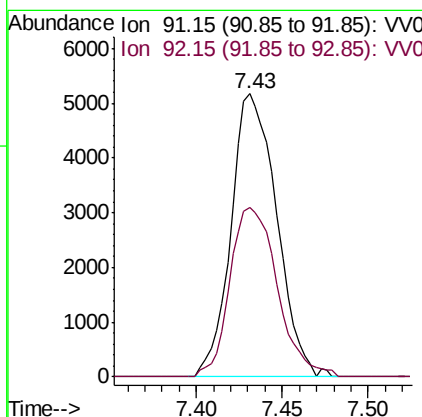
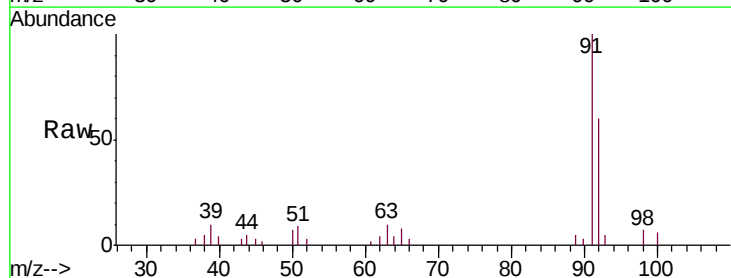
Instrument :
MSVOA_V
ClientSampleId :
MDL05

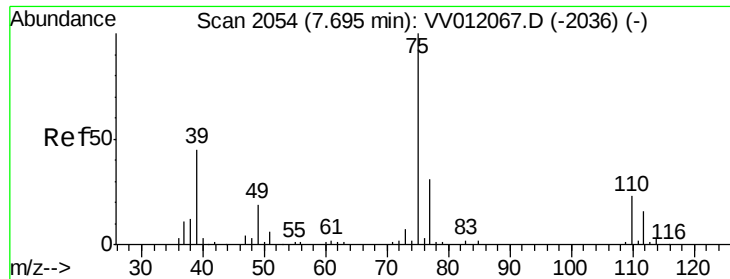
Tgt Ion: 43 Resp: 10776
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 0.0 14.0 21.0#



#42
Toluene
Concen: 0.263 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Tgt Ion: 91 Resp: 9556
Ion Ratio Lower Upper
91 100
92 60.0 41.3 76.7





#44

trans-1,3-Dichloropropene

Concen: 0.265 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

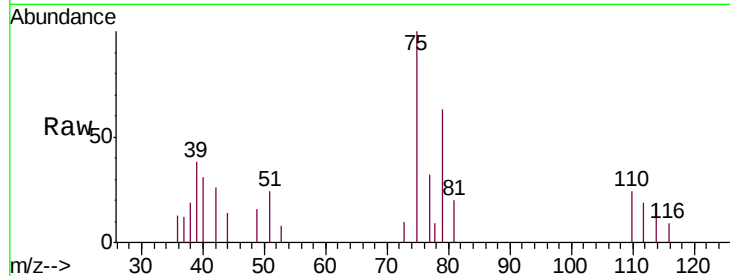
MDL05

Tgt Ion: 75 Resp: 2535

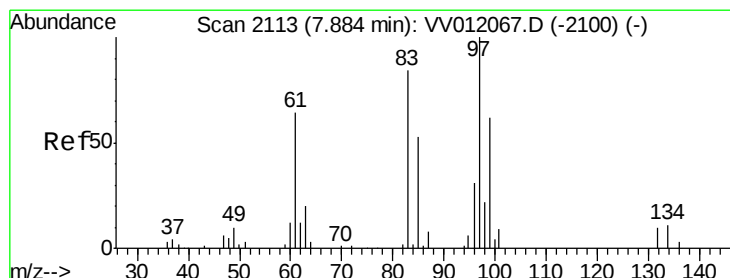
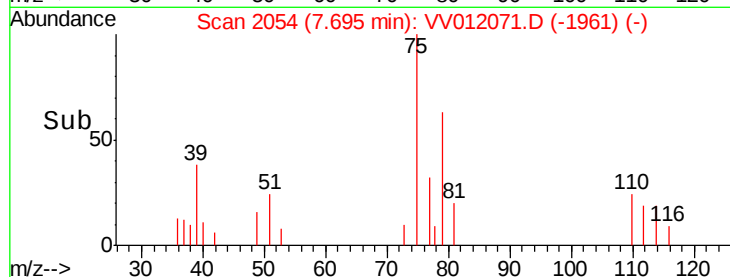
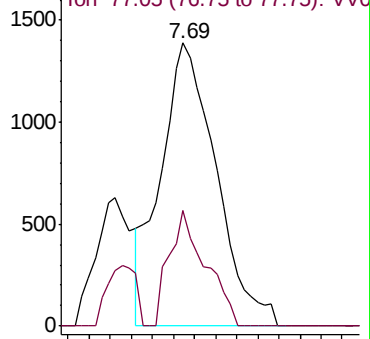
Ion Ratio Lower Upper

75 100

77 40.9 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV012067.D (-2036) (-)



#45

1,1,2-Trichloroethane

Concen: 0.293 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Tgt Ion: 97 Resp: 1686

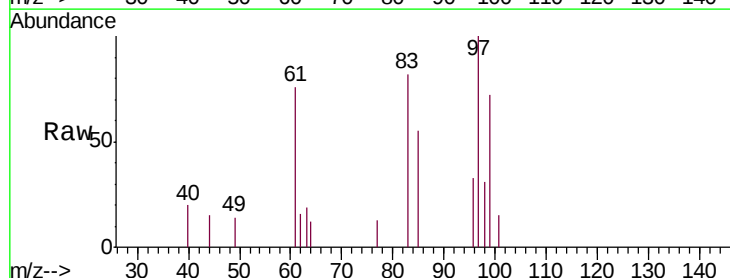
Ion Ratio Lower Upper

97 100

99 71.9 42.0 78.0

83 81.6 57.6 107.0

85 54.8 34.6 64.2

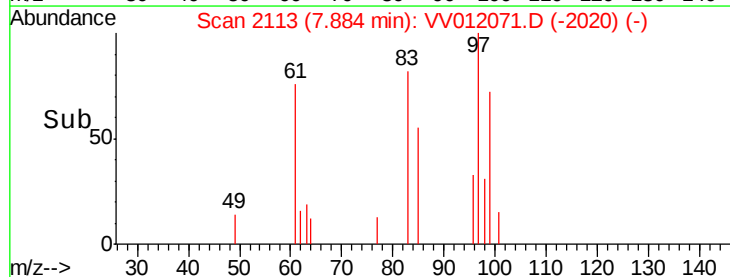
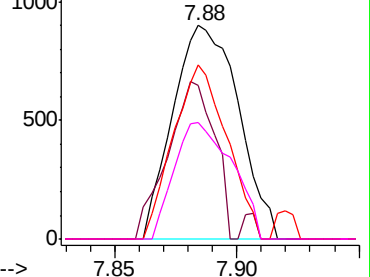


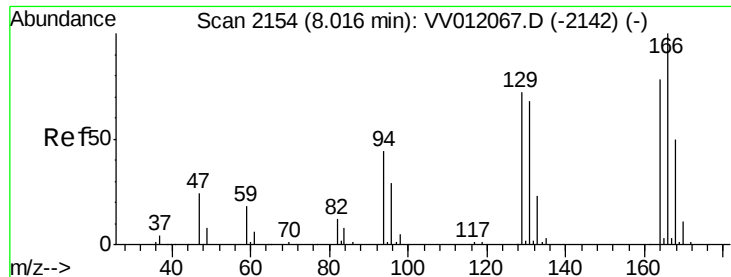
Abundance Ion 96.95 (96.65 to 97.65): VV012067.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012067.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV012067.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012067.D (-2100) (-)

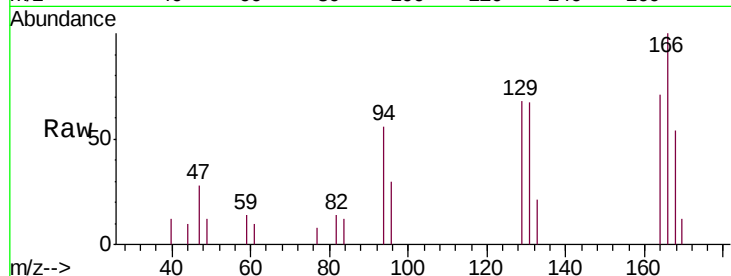




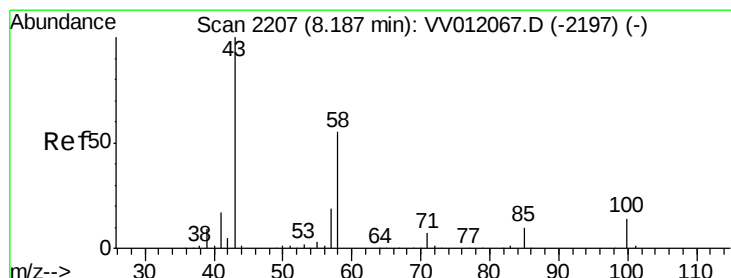
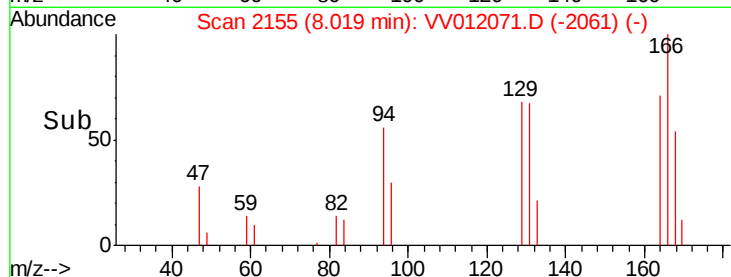
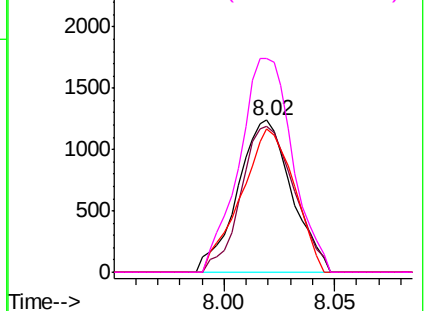
#47
Tetrachloroethene
Concen: 0.260 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion:164 Resp: 2115
Ion Ratio Lower Upper
164 100
129 95.9 61.9 114.9
131 94.1 59.4 110.4
166 140.3 89.6 166.4

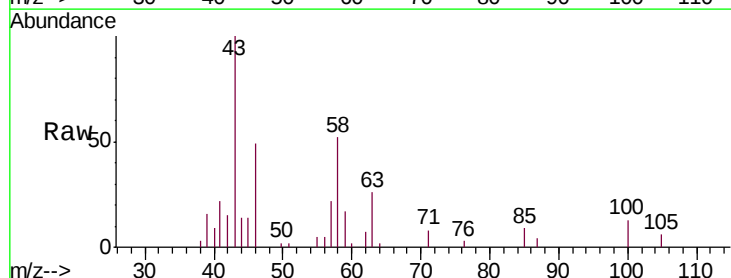


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

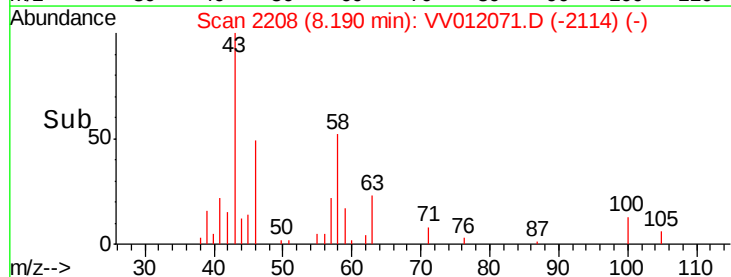
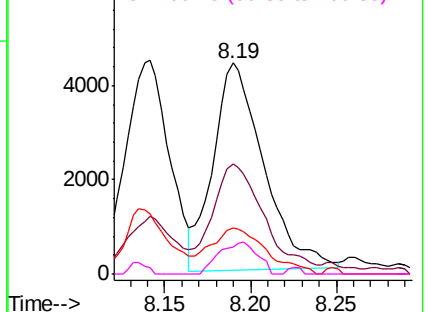


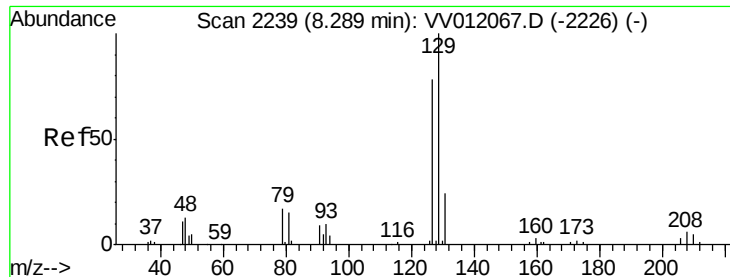
#48
2-Hexanone
Concen: 2.989 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Tgt Ion: 43 Resp: 8996
Ion Ratio Lower Upper
43 100
58 51.8 44.1 66.1
57 24.2 16.1 24.1#
100 11.7 11.3 16.9



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.275 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

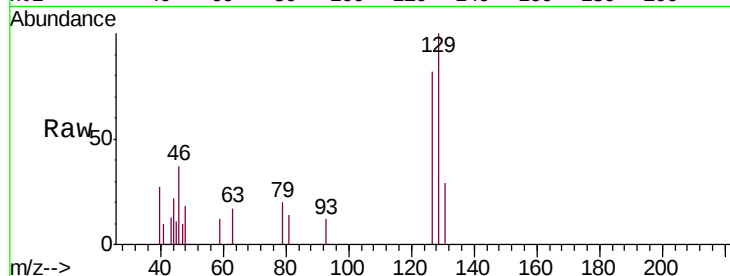
MDL05

Tgt Ion:129 Resp: 1942

Ion Ratio Lower Upper

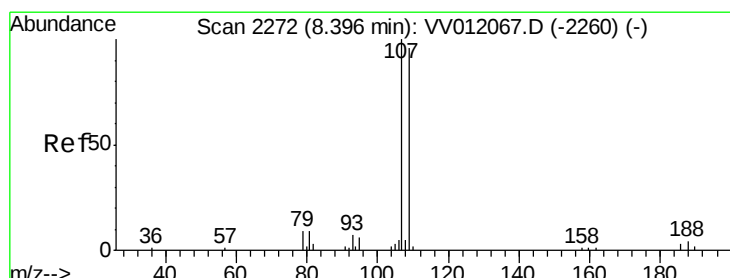
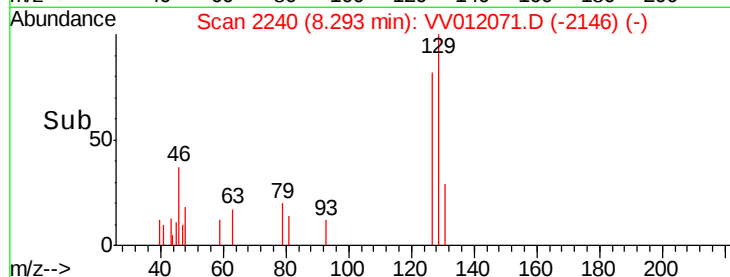
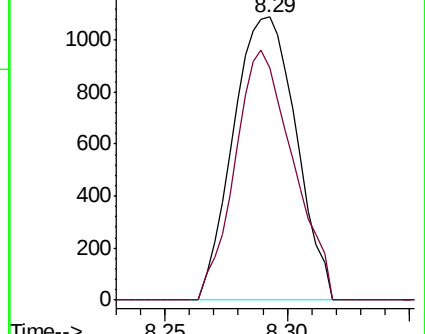
129 100

127 82.2 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.298 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.01 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

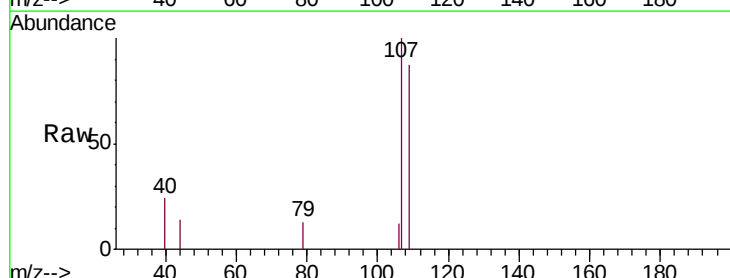
Tgt Ion:107 Resp: 1606

Ion Ratio Lower Upper

107 100

109 86.6 66.3 123.1

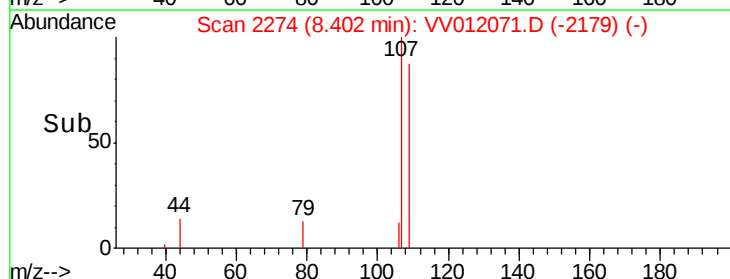
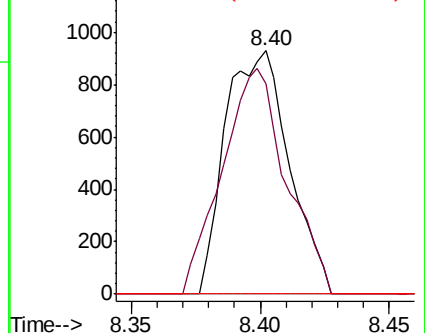
188 0.0 3.4 5.0#

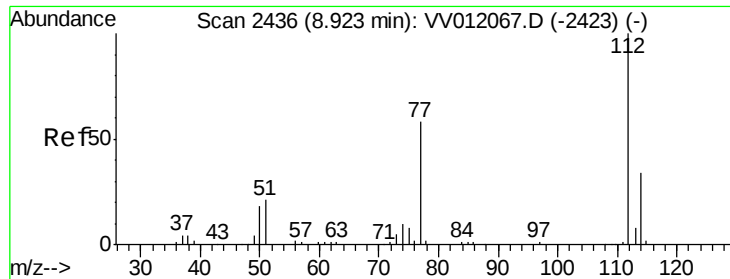


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

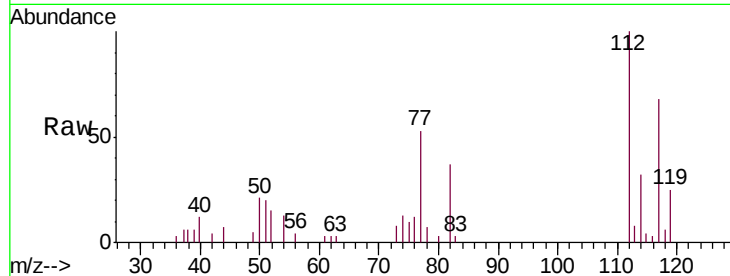




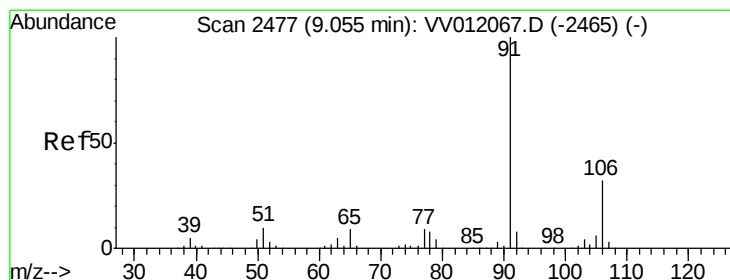
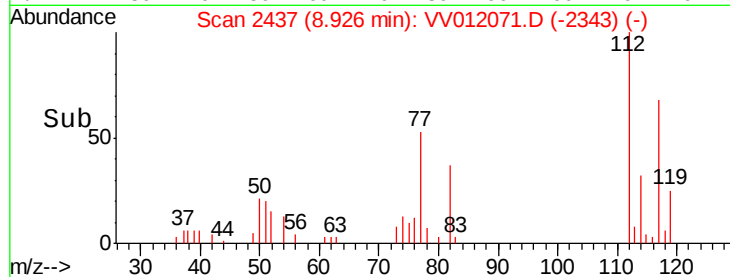
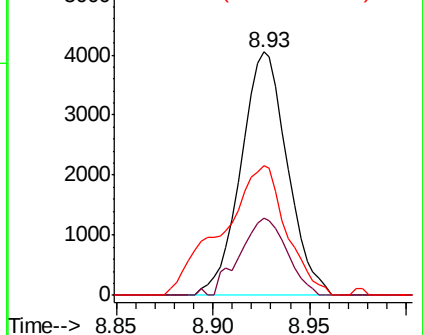
#51
Chlorobenzene
Concen: 0.278 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 112 Resp: 6752
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 53.0 45.9 68.9

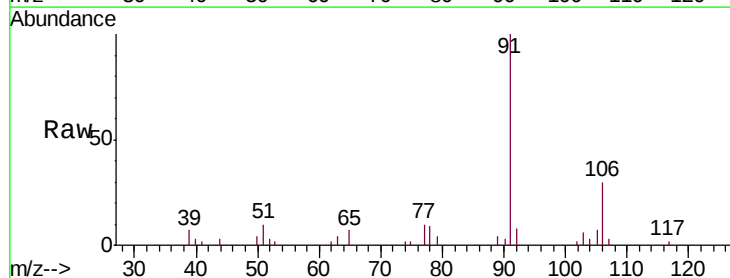


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

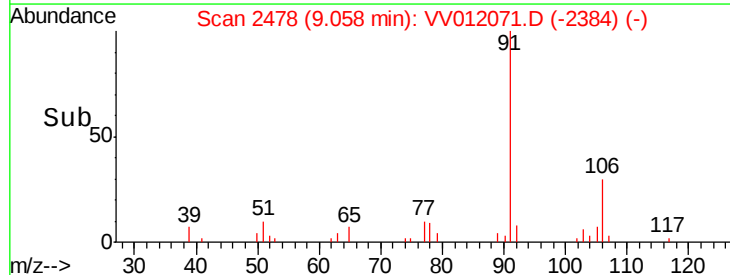
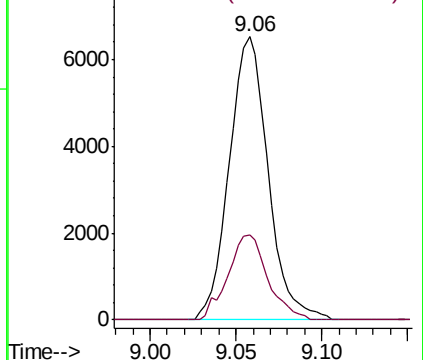


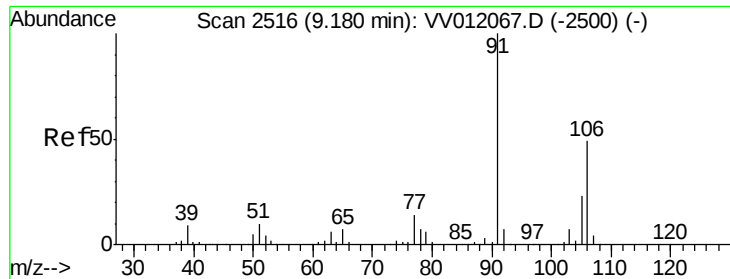
#52
Ethylbenzene
Concen: 0.248 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV012071.D
Acq: 30 Jul 2019 12:30

Tgt Ion: 91 Resp: 10253
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.270 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampled :

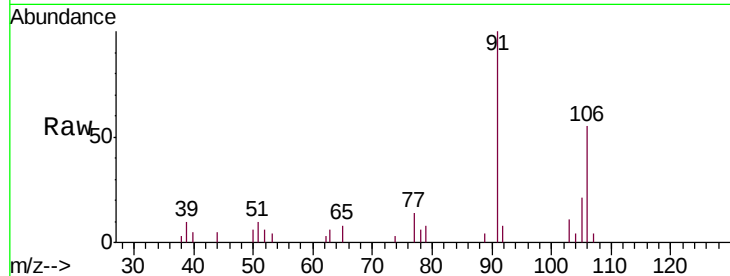
MDL05

Tgt Ion:106 Resp: 4263

Ion Ratio Lower Upper

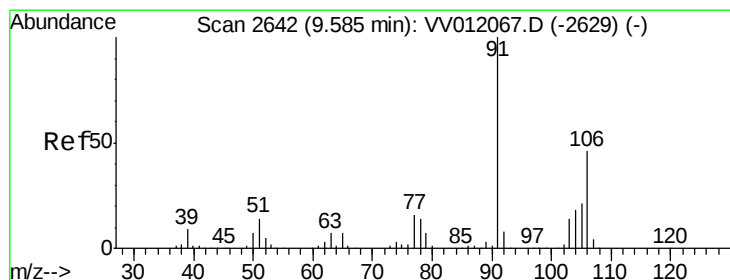
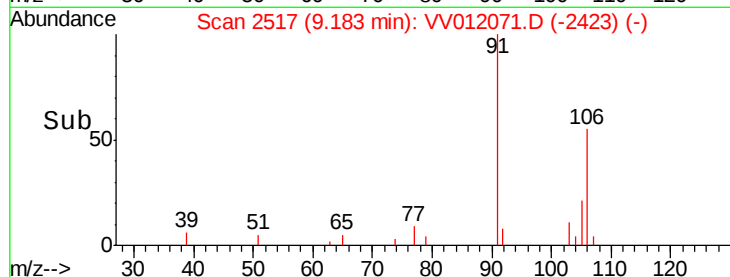
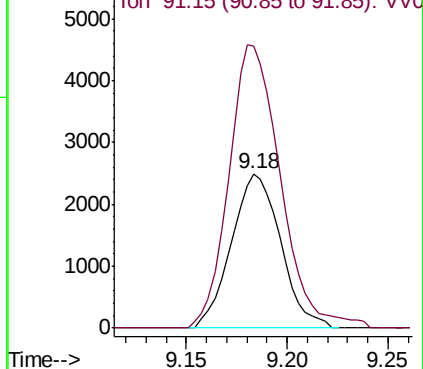
106 100

91 182.7 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.250 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.01 min

Lab File: VV012071.D

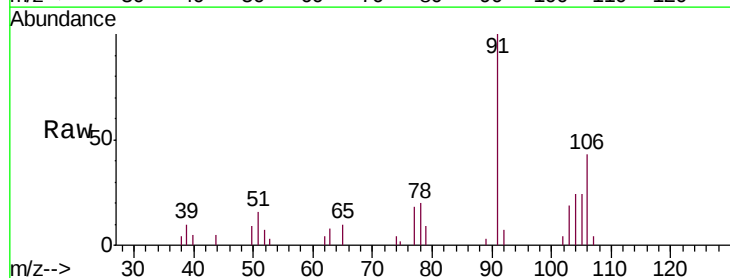
Acq: 30 Jul 2019 12:30

Tgt Ion:106 Resp: 3722

Ion Ratio Lower Upper

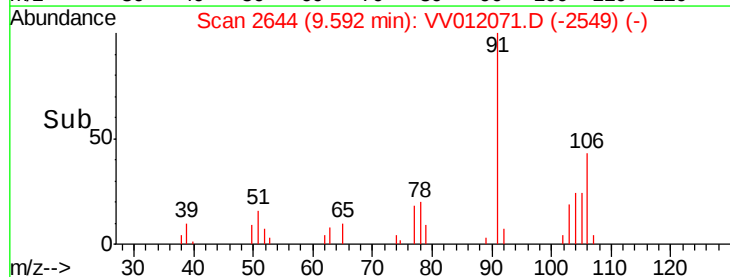
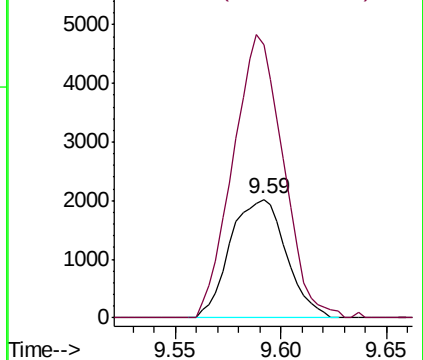
106 100

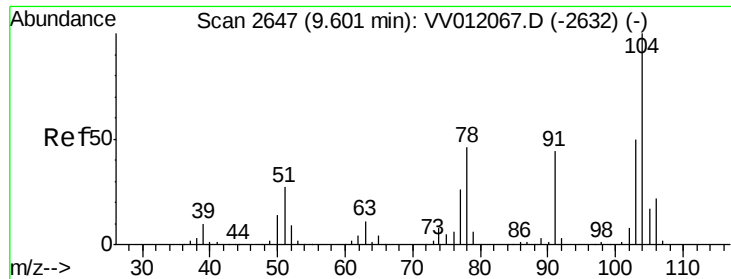
91 231.2 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.234 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.01 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

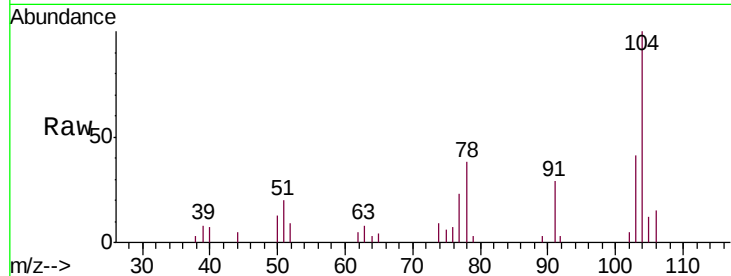
MDL05

Tgt Ion:104 Resp: 5885

Ion Ratio Lower Upper

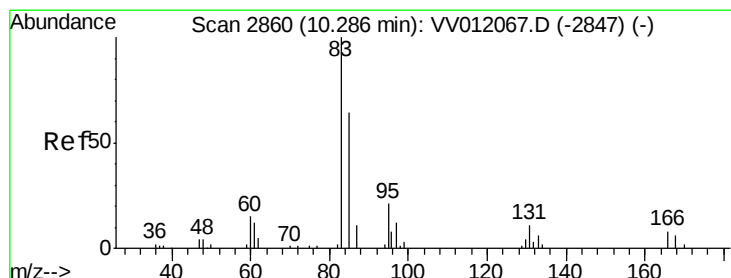
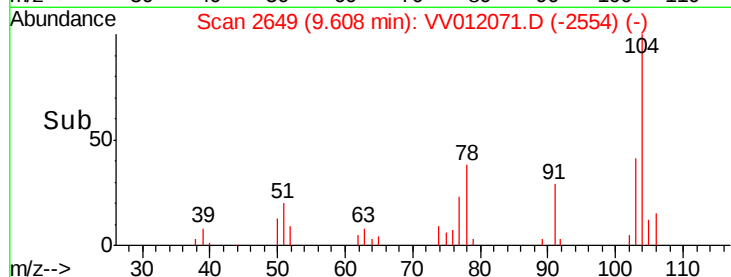
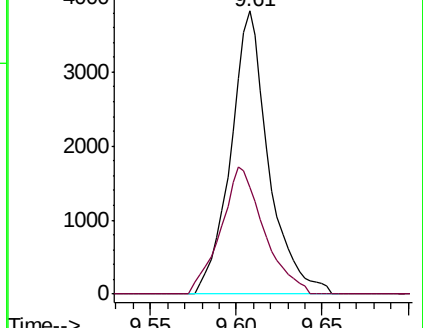
104 100

78 37.8 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): VV012067.D (-2632) (-)

Ion 78.10 (77.80 to 78.80): VV012067.D (-2632) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 0.288 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

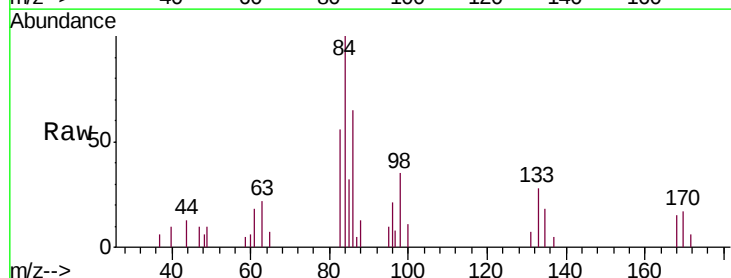
Tgt Ion: 83 Resp: 1781

Ion Ratio Lower Upper

83 100

85 58.1 44.0 81.6

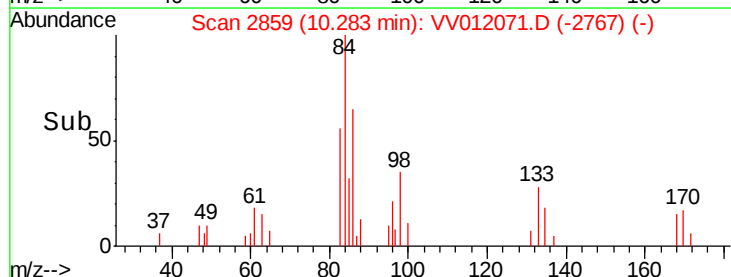
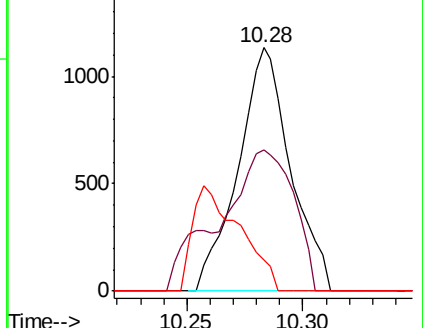
131 12.6 8.3 12.5#

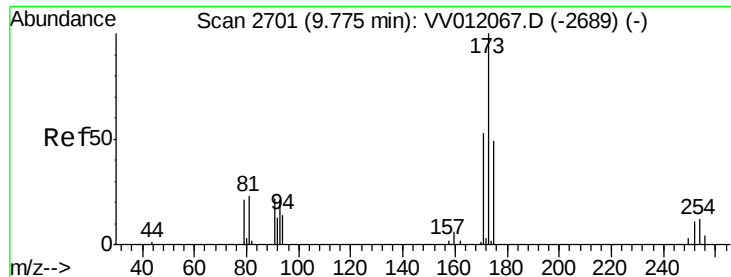


Abundance Ion 82.95 (82.65 to 83.65): VV012067.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV012067.D (-2847) (-)

Ion 130.95 (130.65 to 131.65): VV012067.D (-2847) (-)





#59

Bromoform

Concen: 0.273 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

MDL05

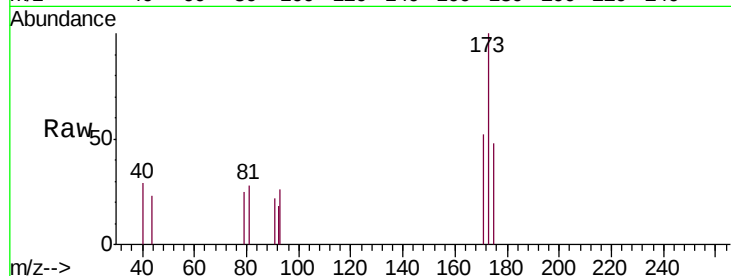
Tgt Ion:173 Resp: 995

Ion Ratio Lower Upper

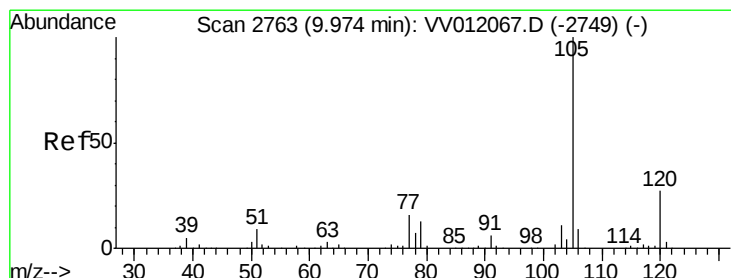
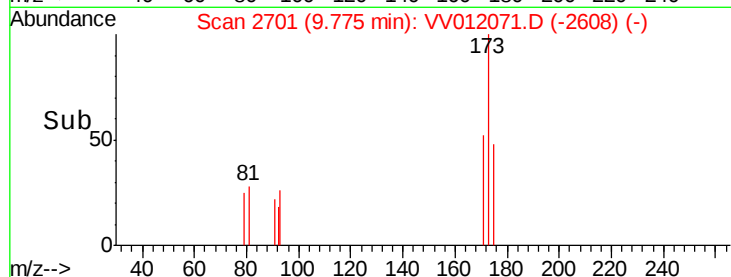
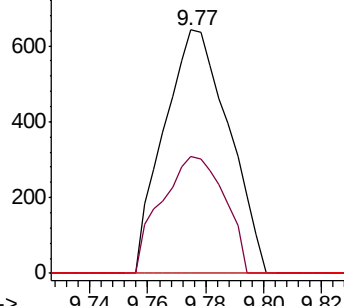
173 100

175 47.1 38.3 57.5

254 0.0 8.6 13.0#



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



#60

Isopropylbenzene

Concen: 0.258 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

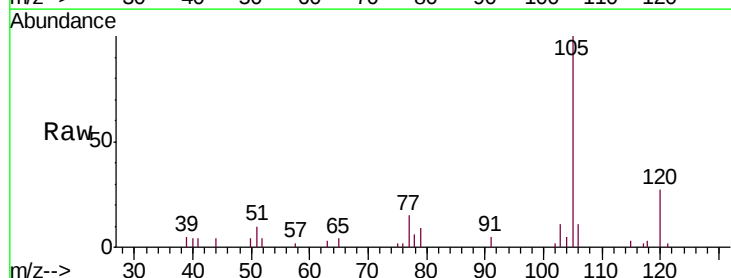
Tgt Ion:105 Resp: 9947

Ion Ratio Lower Upper

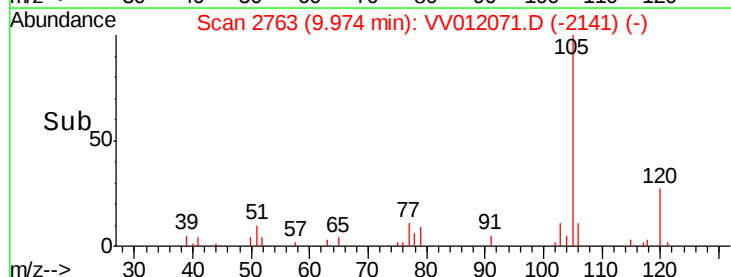
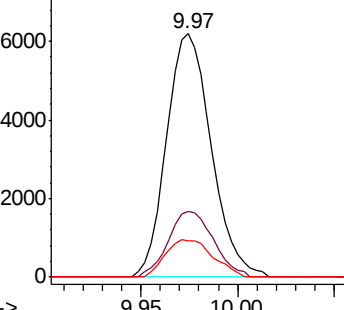
105 100

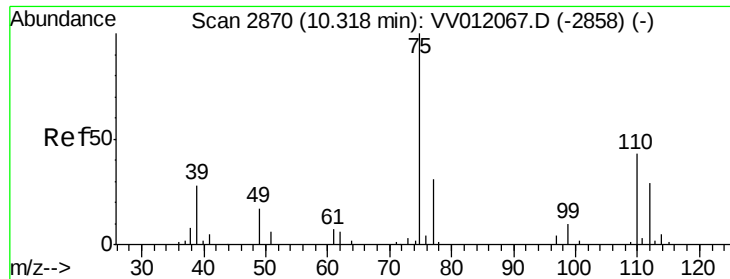
120 27.2 21.5 32.3

77 16.2 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

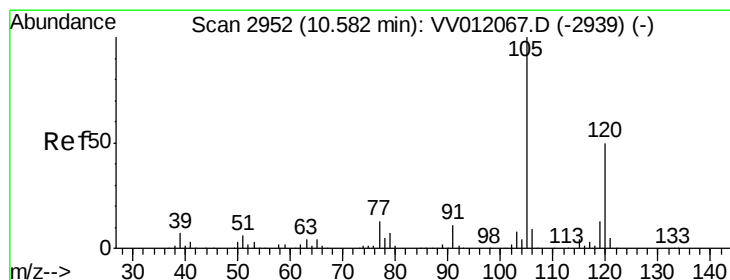
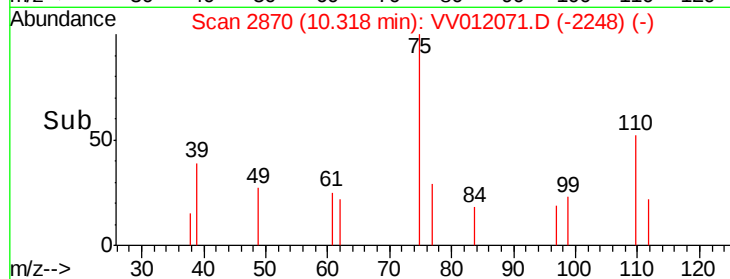
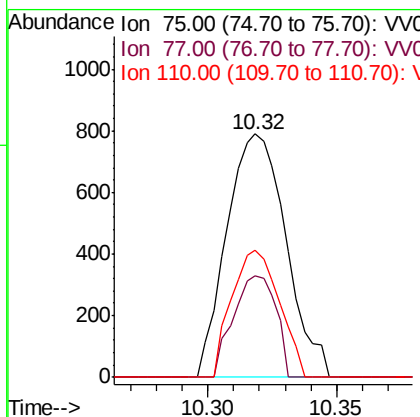
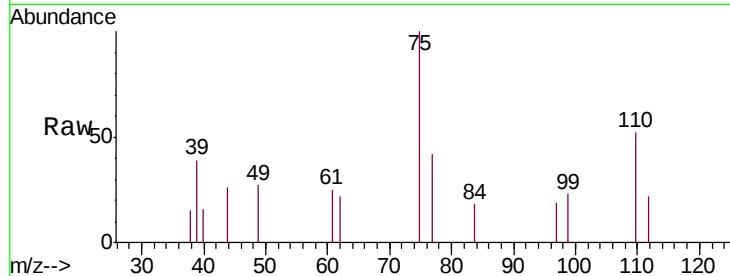




#61
 1,2,3-Trichloropropane
 Concen: 0.286 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

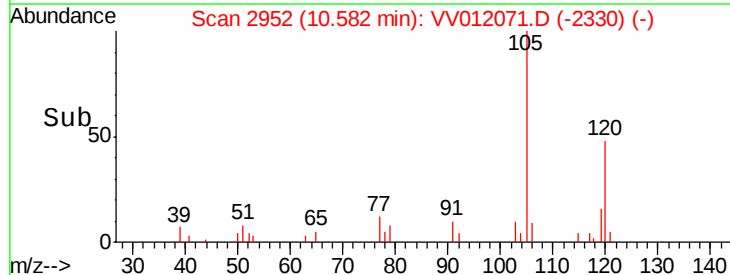
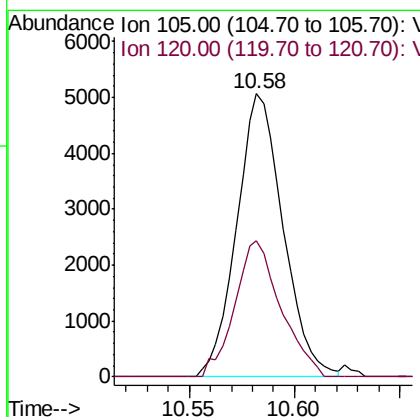
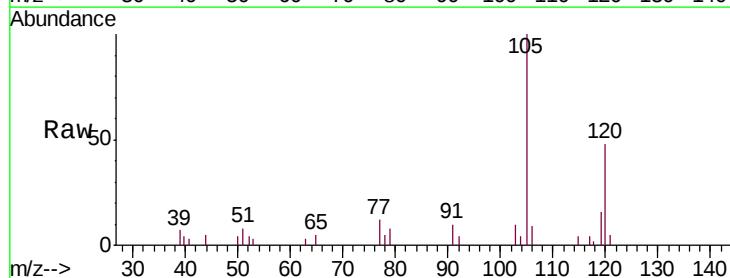
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

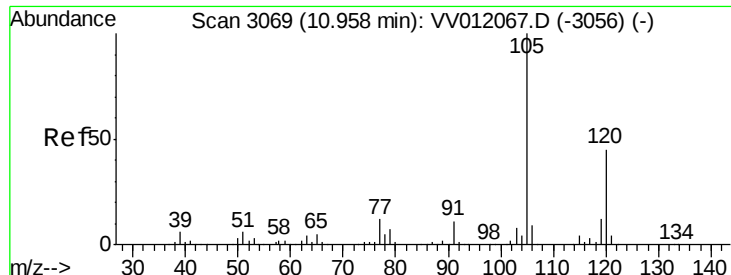
Tgt Ion: 75 Resp: 1261
 Ion Ratio Lower Upper
 75 100
 77 29.7 26.8 40.2
 110 42.0 35.0 52.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.244 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion: 105 Resp: 7759
 Ion Ratio Lower Upper
 105 100
 120 47.5 40.1 60.1

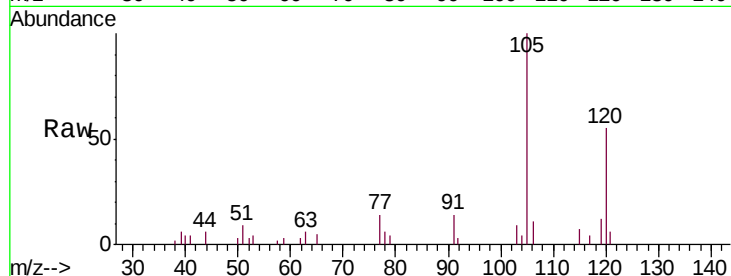




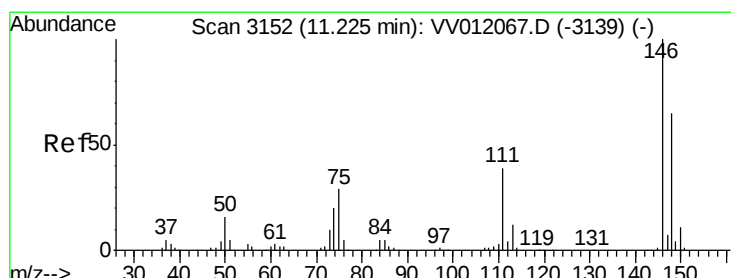
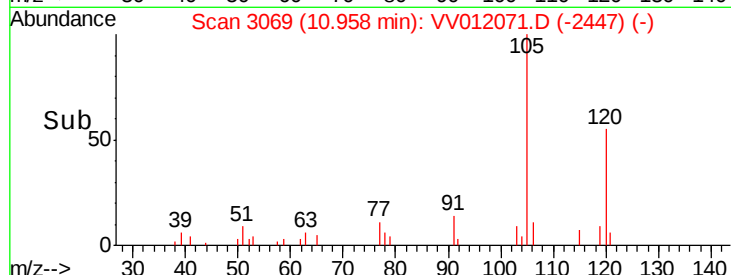
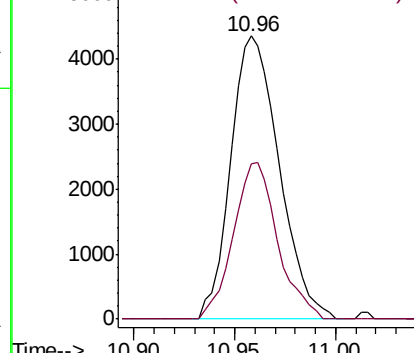
#63
 1,2,4-Trimethylbenzene
 Concen: 0.231 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. -0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL05

Tgt Ion:105 Resp: 7316
 Ion Ratio Lower Upper
 105 100
 120 50.6 35.8 53.8

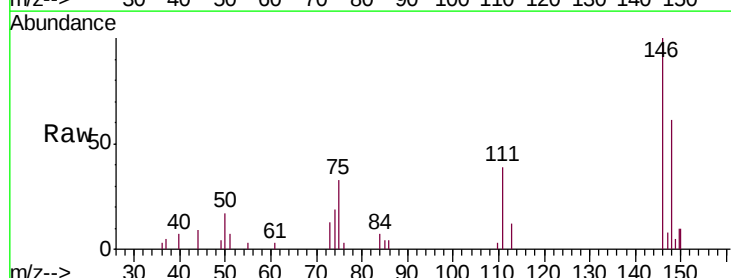


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

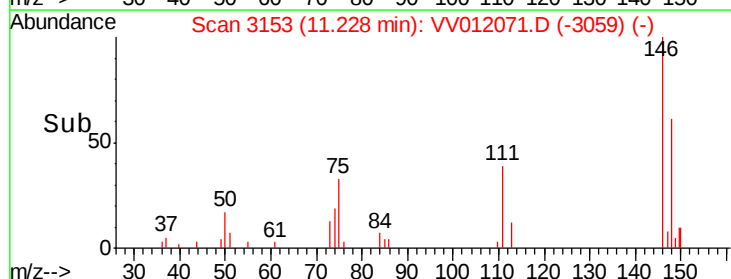
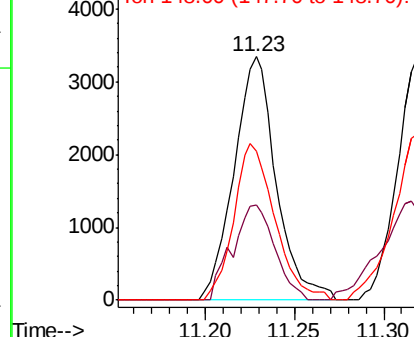


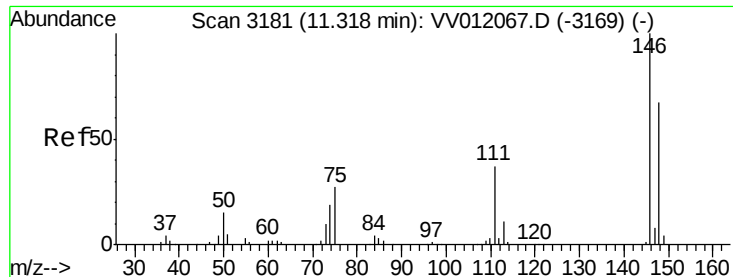
#64
 1,3-Dichlorobenzene
 Concen: 0.286 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion:146 Resp: 5491
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.6
 148 61.2 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: 0.278 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

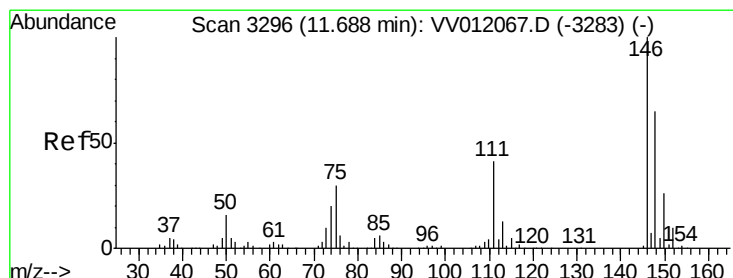
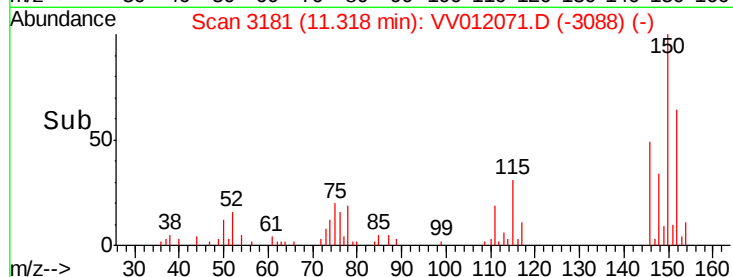
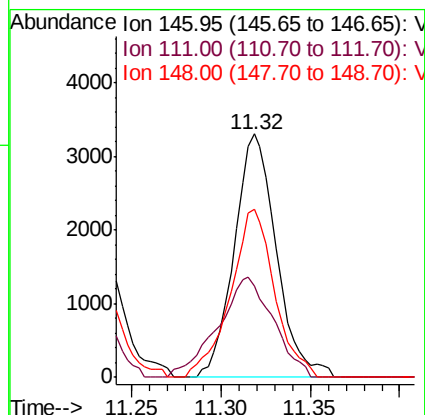
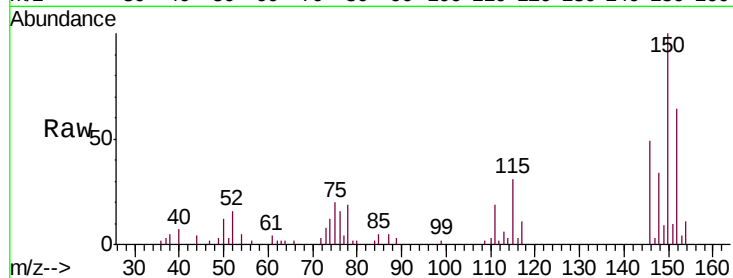
Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:	146	Resp:	5446
Ion	Ratio	Lower	Upper
146	100		
111	37.7	25.8	48.0
148	69.0	43.8	81.3



#67

1,2-Dichlorobenzene

Concen: 0.285 ug/L

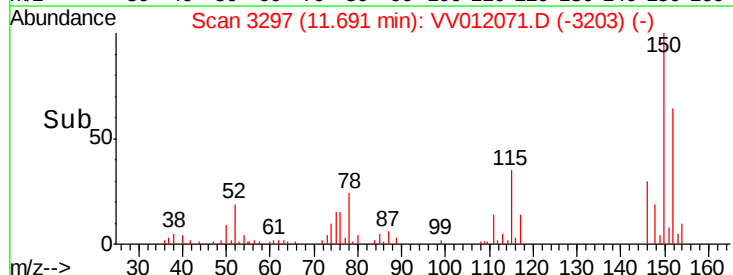
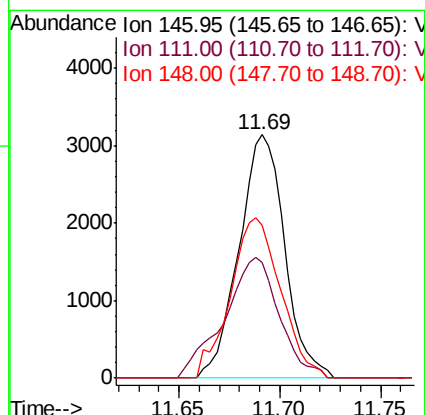
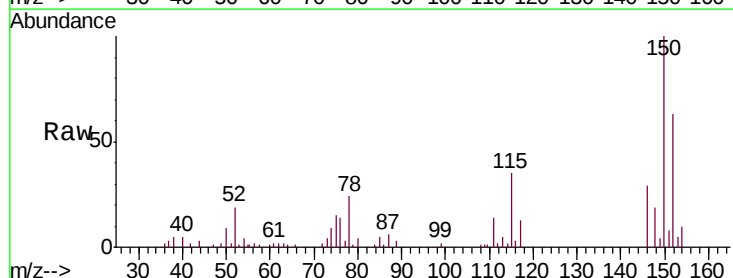
RT: 11.69 min Scan# 3297

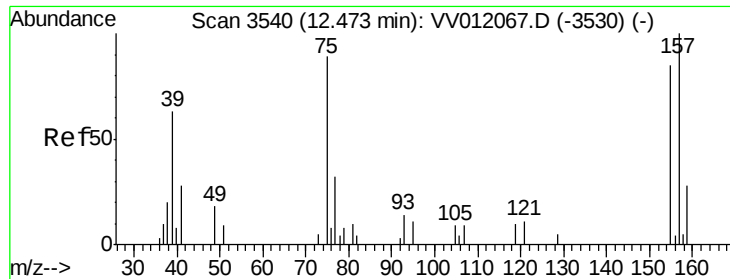
Delta R.T. 0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Tgt Ion:	146	Resp:	4983
Ion	Ratio	Lower	Upper
146	100		
111	47.4	32.4	48.6
148	62.9	49.4	74.0

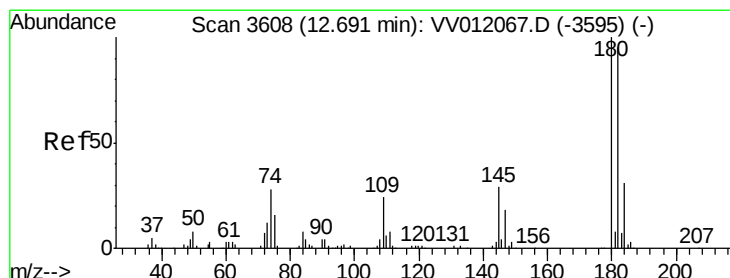
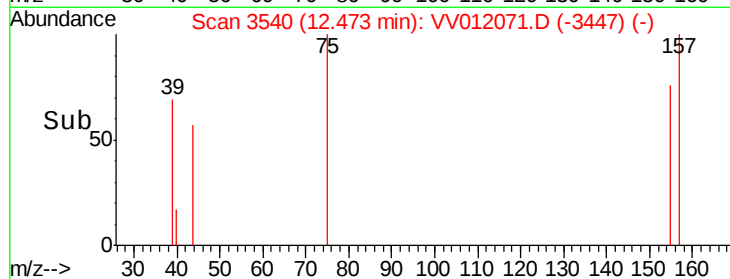
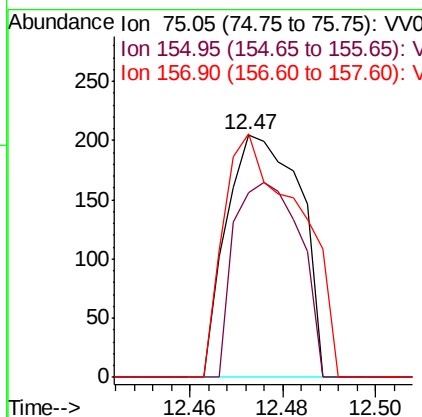
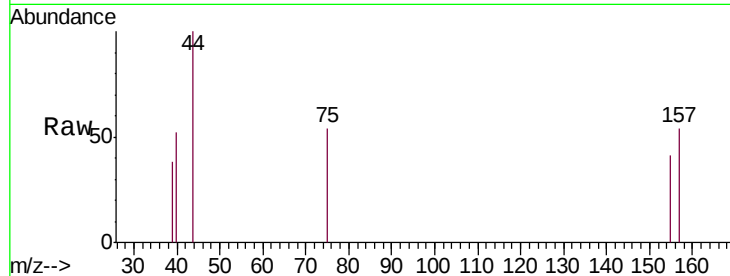




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.249 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

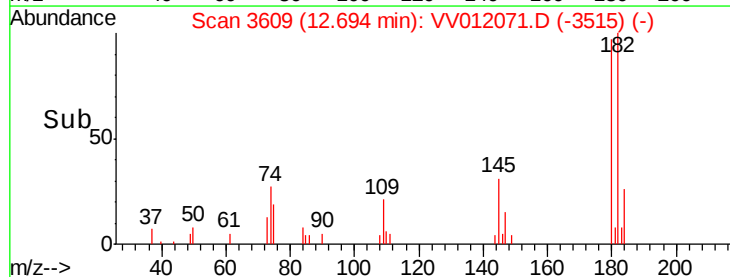
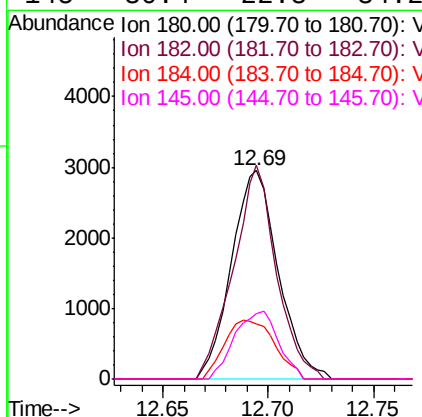
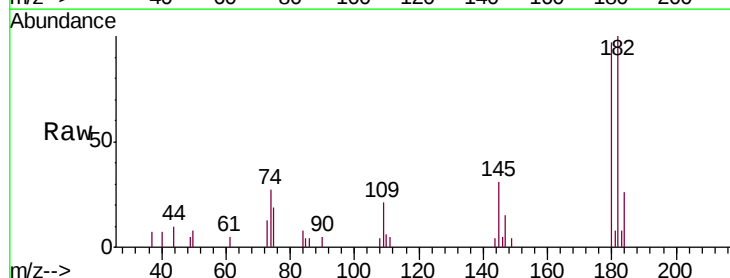
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

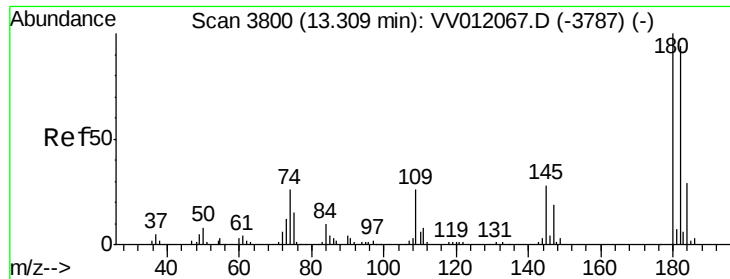
Tgt Ion: 75 Resp: 226
 Ion Ratio Lower Upper
 75 100
 155 76.1 75.0 112.6
 157 100.5 87.8 131.6



#69
 1,3,5-Trichlorobenzene
 Concen: 0.286 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion: 180 Resp: 4551
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.1 115.7
 184 30.3 24.6 36.8
 145 30.4 22.8 34.2

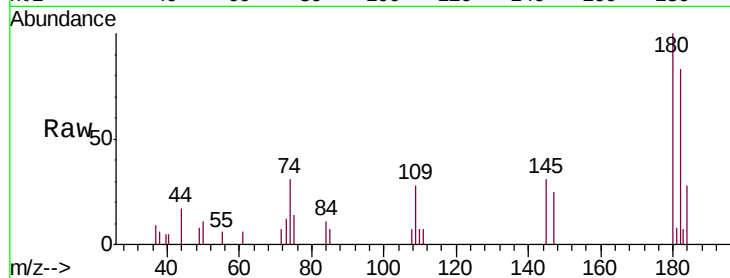




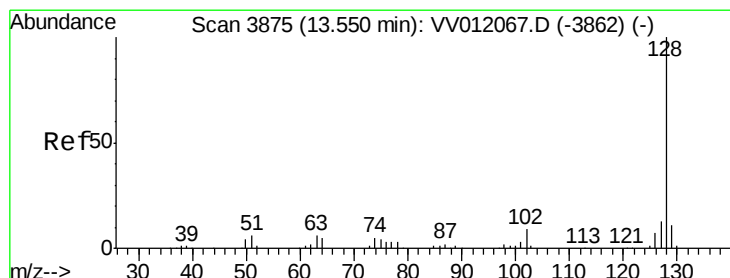
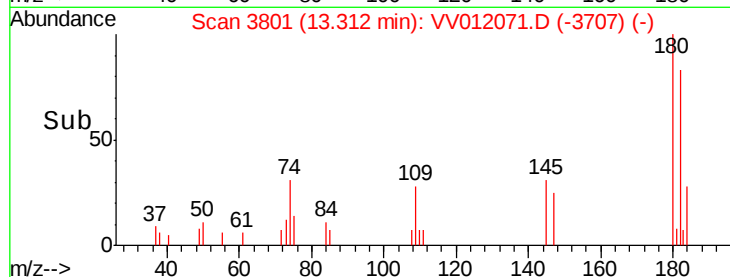
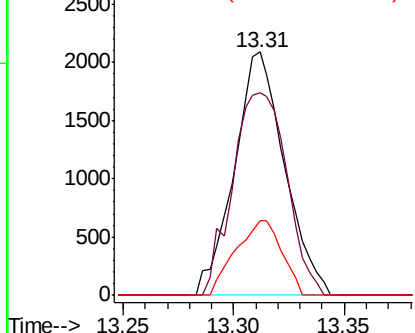
#70
 1,2,4-trichlorobenzene
 Concen: 0.262 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion:180 Resp: 3302
 Ion Ratio Lower Upper
 180 100
 182 89.9 76.1 114.1
 145 28.0 24.3 36.5

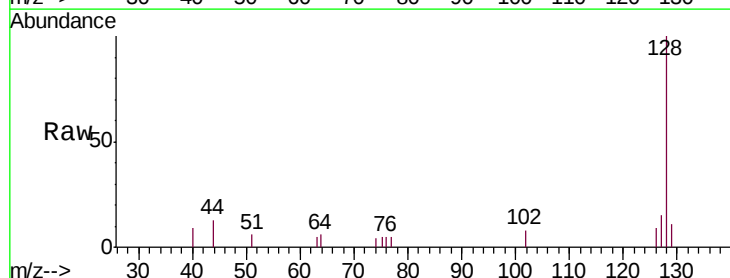


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

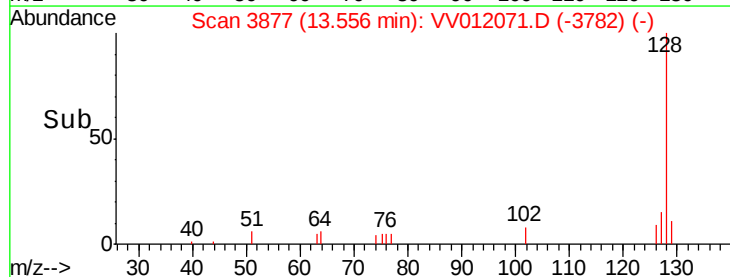
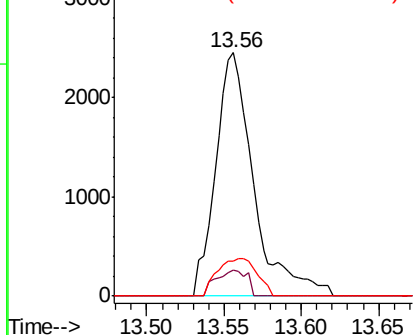


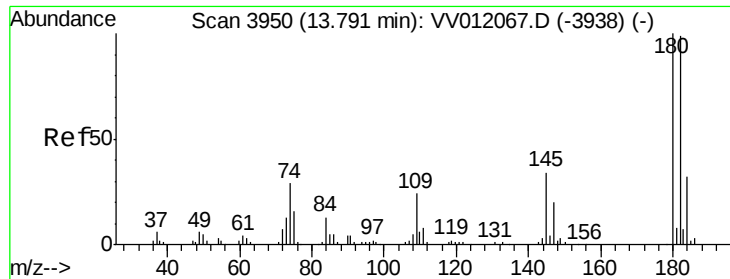
#71
 Naphthalene
 Concen: 0.241 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV012071.D
 Acq: 30 Jul 2019 12:30

Tgt Ion:128 Resp: 4202
 Ion Ratio Lower Upper
 128 100
 129 8.7 9.1 13.7#
 127 16.0 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#72

1,2,3-Trichlorobenzene

Concen: 0.273 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012071.D

Acq: 30 Jul 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

MDL05

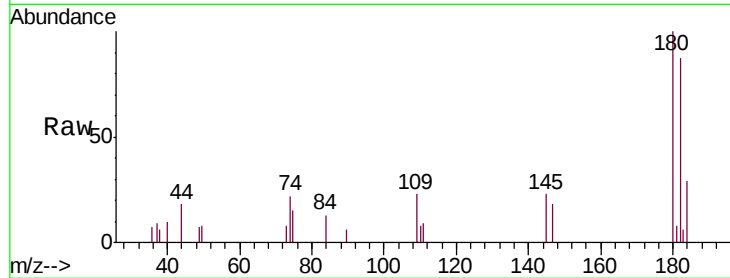
Tgt Ion:180 Resp: 3039

Ion Ratio Lower Upper

180 100

182 84.3 78.5 117.7

145 26.8 25.8 38.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

