

Data File : VV012070.D
Acq On : 30 Jul 2019 12:04
Operator : SY/MD
Sample : MDL04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Jul 31 09:25:57 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	120711	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	116853	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	58111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30604	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	23477	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	49701	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.96	46	83344	53.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.44%
24) Chloroform-d	4.40	84	77749	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.08	65	43142	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.10	84	153649	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.12	67	42983	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.36	98	142060	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.66	79	17937	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.14	63	64429	50.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.22%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	31054	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
66) 1,2-Dichlorobenzene-d4	11.67	152	57583	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3514	0.255 ug/L	94
3) Chloromethane	1.25	50	1961	0.249 ug/L	100
5) Vinyl chloride	1.32	62	1760	0.218 ug/L #	50
6) Bromomethane	1.53	94	1042	0.216 ug/L	93
8) Chloroethane	1.60	64	1050	0.240 ug/L	91
9) Trichlorofluoromethane	1.77	101	3578	0.260 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2049	0.342 ug/L	84
12) 1,1-Dichloroethene	2.14	96	2002	0.361 ug/L #	1
14) Carbon disulfide	2.32	76	3914	0.253 ug/L #	93
15) Methyl Acetate	2.47	43	312	0.178 ug/L	98
16) Methylene chloride	2.54	84	1915	0.337 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	4576	0.262 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	1806	0.226 ug/L	98
19) 1,1-Dichloroethane	3.23	63	3487	0.244 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	2236	0.263 ug/L	69
23) Bromochloromethane	4.30	128	792	0.212 ug/L #	77
25) Chloroform	4.43	83	11475	0.640 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.18	62	2671	0.270	ug/L #	95
29) 1,1,1-Trichloroethane	4.66	97	3578	0.248	ug/L	97
30) Cyclohexane	4.72	56	2992	0.242	ug/L #	59
31) Carbon tetrachloride	4.88	117	3199	0.246	ug/L	92
33) Benzene	5.15	78	8105	0.255	ug/L	100
34) Trichloroethene	5.96	95	2096	0.232	ug/L	80
35) Methylcyclohexane	6.18	83	3408	0.240	ug/L	96
37) 1,2-Dichloropropane	6.22	63	1885	0.257	ug/L #	86
38) Bromodichloromethane	6.56	83	2773	0.267	ug/L #	89
39) cis-1,3-Dichloropropene	7.07	75	2803	0.243	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	9242	2.231	ug/L #	86
42) Toluene	7.43	91	9028	0.256	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	2361	0.254	ug/L #	81
45) 1,1,2-Trichloroethane	7.88	97	1411	0.252	ug/L	93
47) Tetrachloroethene	8.02	164	2157	0.273	ug/L	99
48) 2-Hexanone	8.19	43	7411	2.531	ug/L	94
49) Dibromochloromethane	8.29	129	1393	0.203	ug/L	85
50) 1,2-Dibromoethane	8.40	107	1351	0.258	ug/L #	86
51) Chlorobenzene	8.92	112	5987	0.254	ug/L	91
52) Ethylbenzene	9.05	91	9300	0.231	ug/L	97
53) m,p-xylene	9.18	106	3794	0.247	ug/L	86
54) o-xylene	9.59	106	3097	0.213	ug/L	80
55) Styrene	9.60	104	4975	0.204	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	1599	0.266	ug/L #	87
59) Bromoform	9.77	173	1014	0.289	ug/L #	86
60) Isopropylbenzene	9.97	105	8675	0.234	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1161	0.274	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.58	105	7099	0.232	ug/L	95
63) 1,2,4-Trimethylbenzene	10.96	105	6594	0.216	ug/L	94
64) 1,3-Dichlorobenzene	11.23	146	4897	0.265	ug/L	93
65) 1,4-Dichlorobenzene	11.32	146	5109	0.271	ug/L	97
67) 1,2-Dichlorobenzene	11.69	146	4918	0.293	ug/L	90
68) 1,2-Dibromo-3-chloropropan	12.48	75	316	0.362	ug/L #	67
69) 1,3,5-Trichlorobenzene	12.69	180	4113	0.269	ug/L	94
70) 1,2,4-trichlorobenzene	13.31	180	3057	0.253	ug/L #	96
71) Naphthalene	13.56	128	3491	0.208	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	2669	0.249	ug/L	94

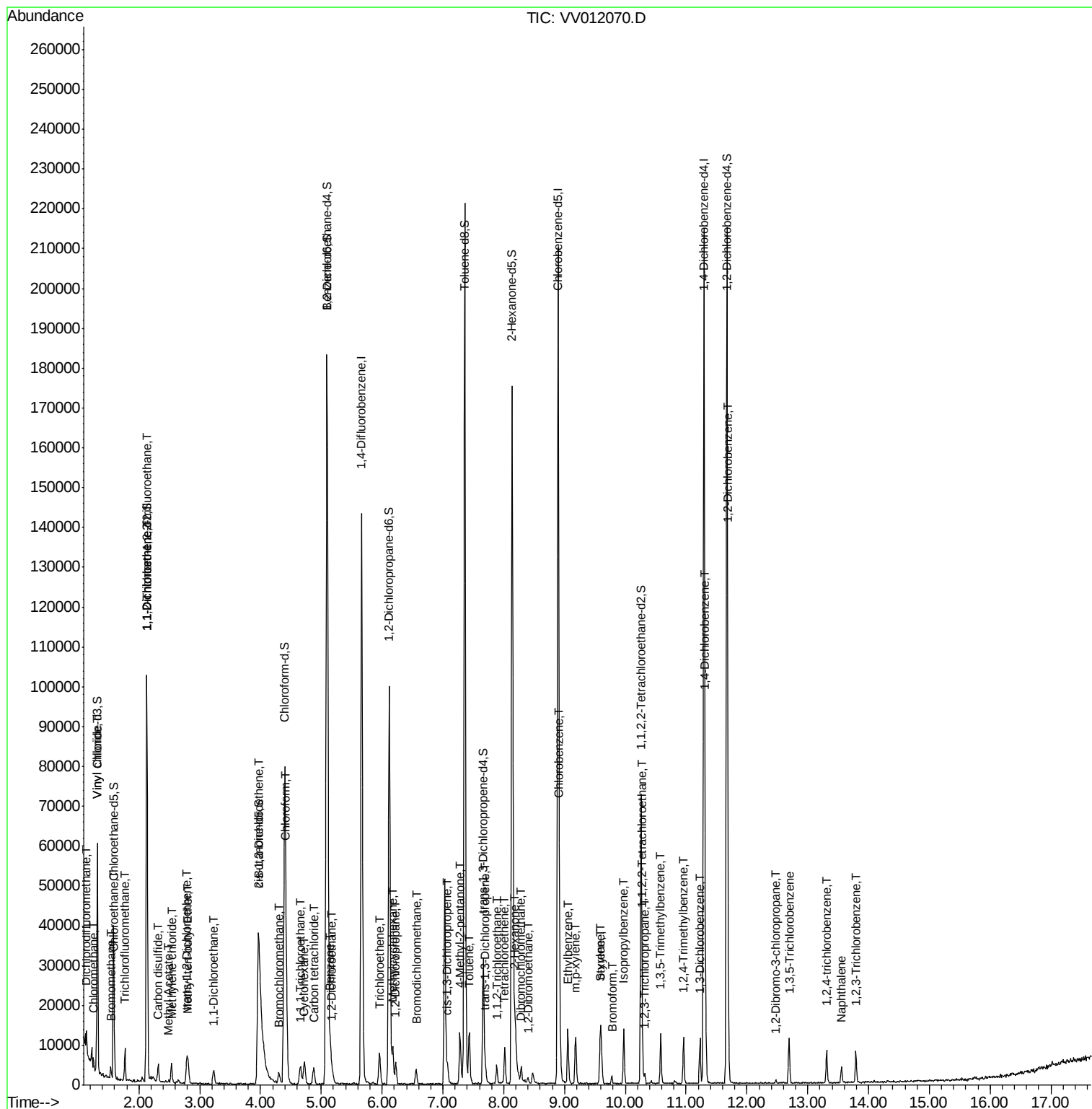
(#) = qualifier out of range (m) = manual integration (+) = signals summed

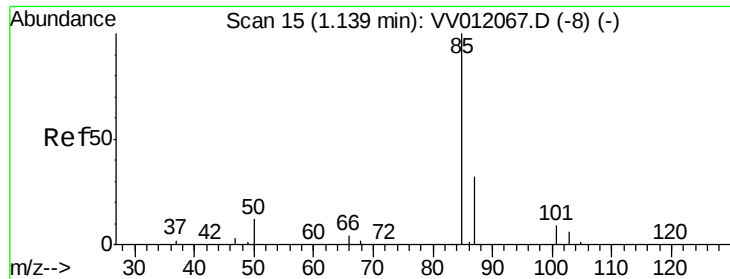
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#2

Dichlorodifluoromethane

Concen: 0.255 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

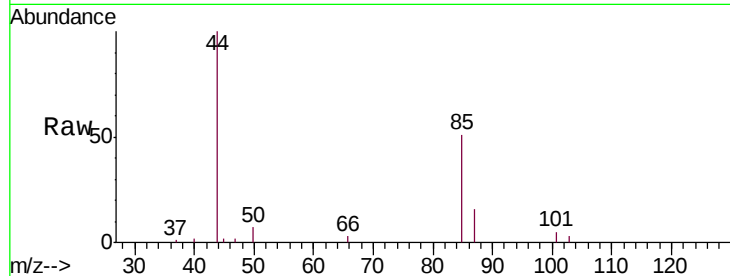
MDL04

Tgt Ion: 85 Resp: 3514

Ion Ratio Lower Upper

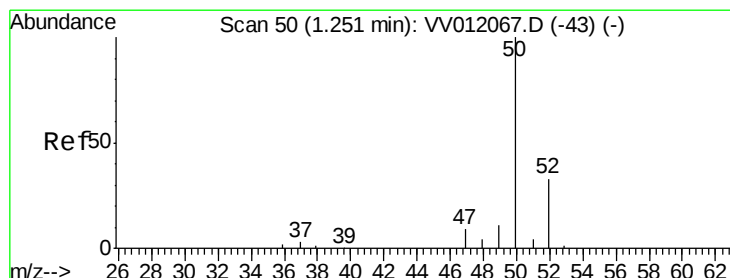
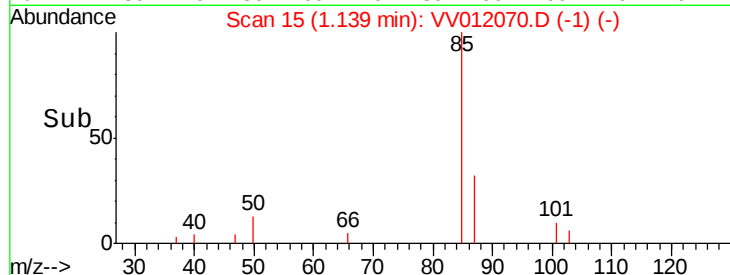
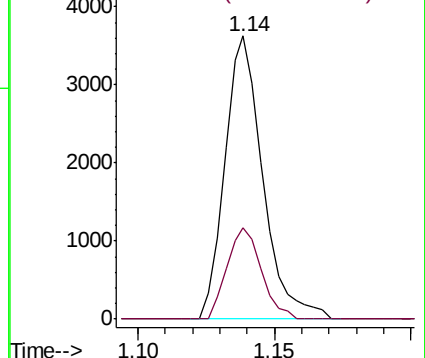
85 100

87 29.2 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: 0.249 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012070.D

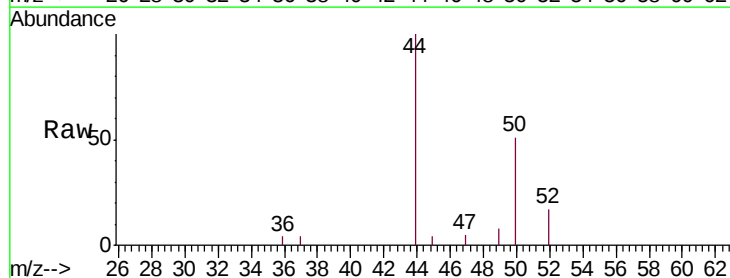
Acq: 30 Jul 2019 12:04

Tgt Ion: 50 Resp: 1961

Ion Ratio Lower Upper

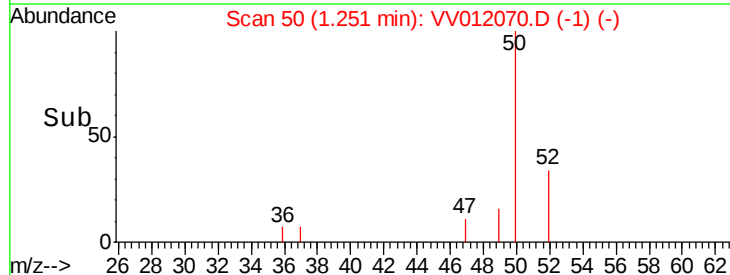
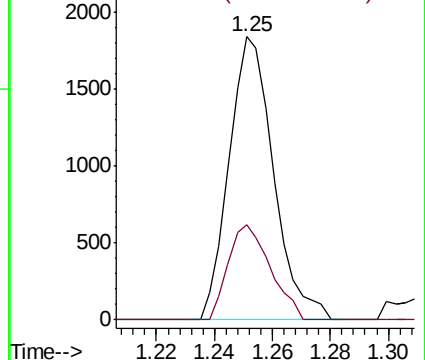
50 100

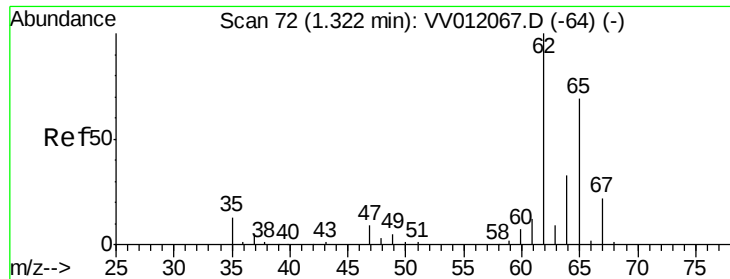
52 33.6 23.4 43.4



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: 0.218 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampled :

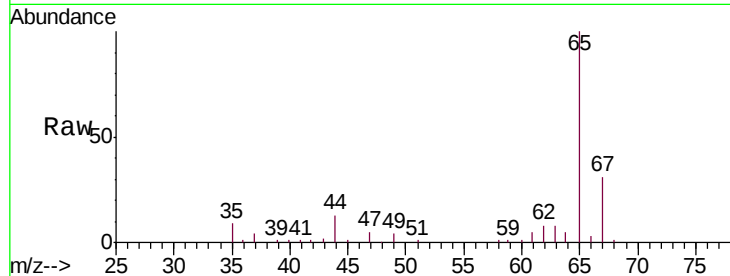
MDL04

Tgt Ion: 62 Resp: 1760

Ion Ratio Lower Upper

62 100

64 59.3 22.0 41.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

1500

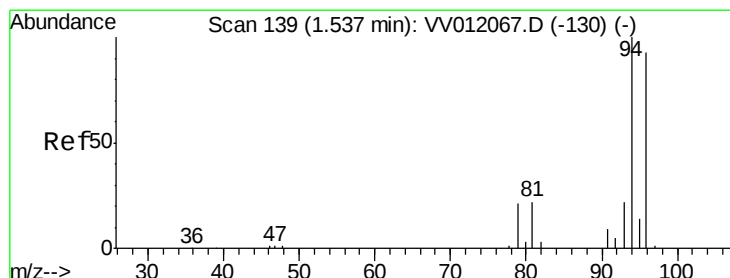
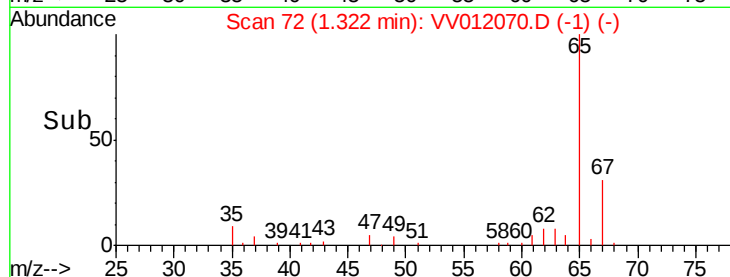
1000

500

0

Time-->

1.28 1.30 1.32 1.34 1.36



#6

Bromomethane

Concen: 0.216 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012070.D

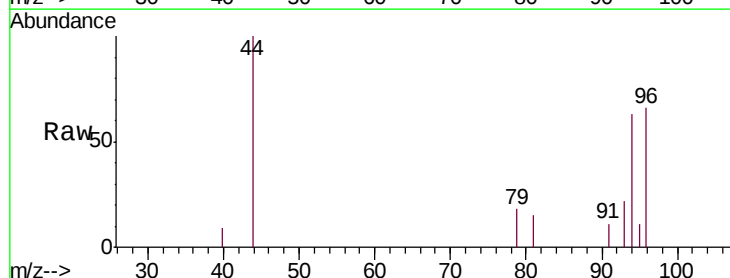
Acq: 30 Jul 2019 12:04

Tgt Ion: 94 Resp: 1042

Ion Ratio Lower Upper

94 100

96 104.0 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

1000

800

600

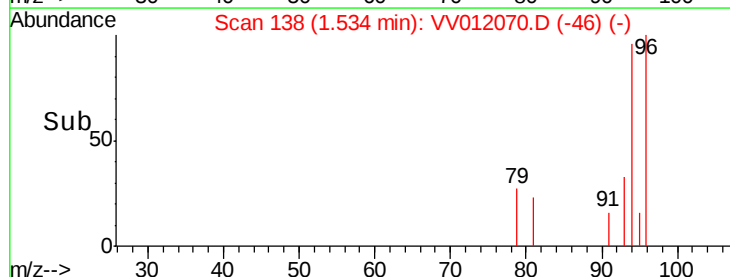
400

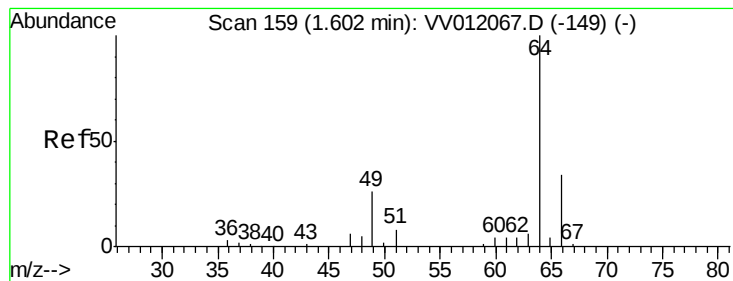
200

0

Time-->

1.50 1.52 1.54 1.56





#8

Chloroethane

Concen: 0.240 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampled :

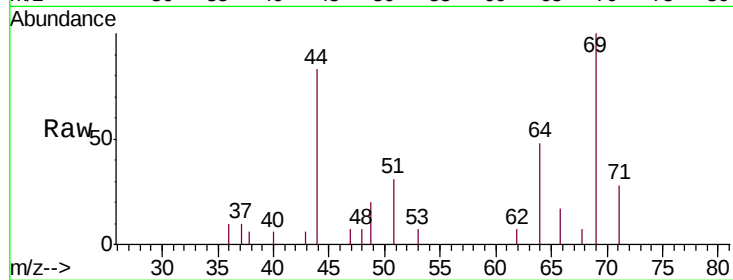
MDL04

Tgt Ion: 64 Resp: 1050

Ion Ratio Lower Upper

64 100

66 36.2 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

800

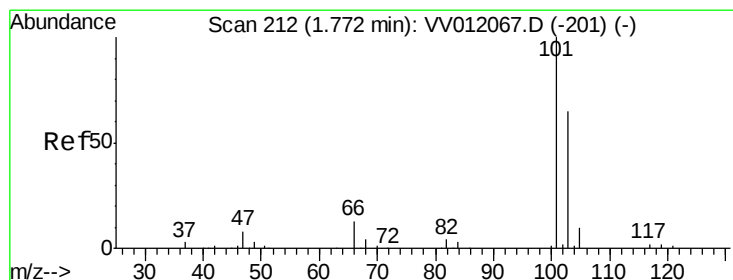
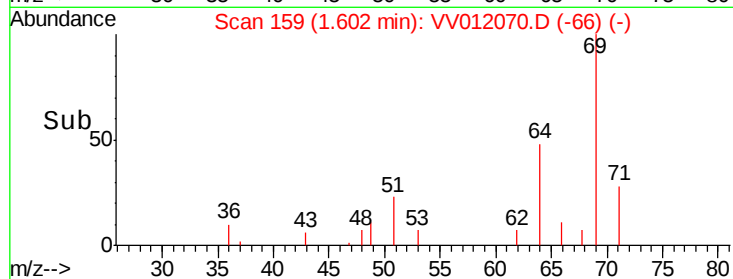
600

400

200

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.260 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012070.D

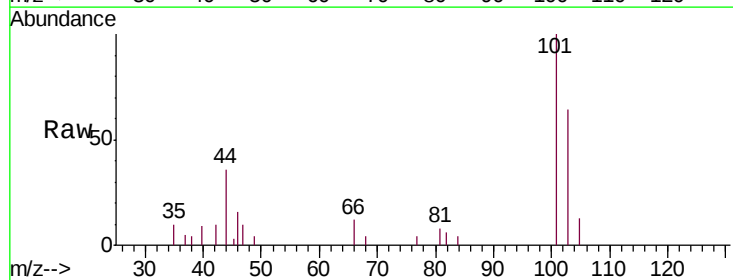
Acq: 30 Jul 2019 12:04

Tgt Ion: 101 Resp: 3578

Ion Ratio Lower Upper

101 100

103 66.5 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

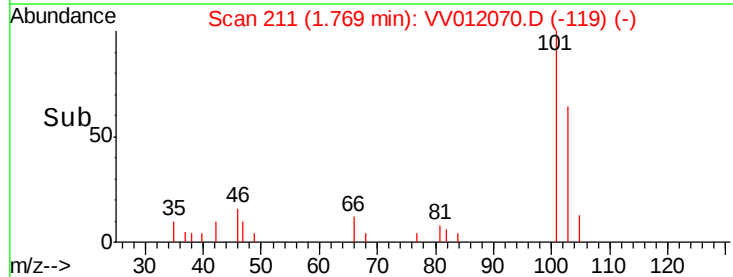
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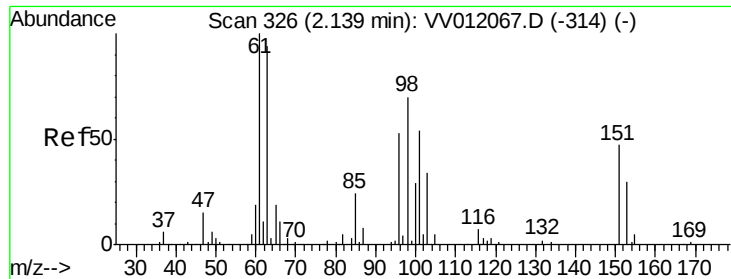
2000

1000

0

Time-->





#10

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

Concen: 0.342 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

MDL04

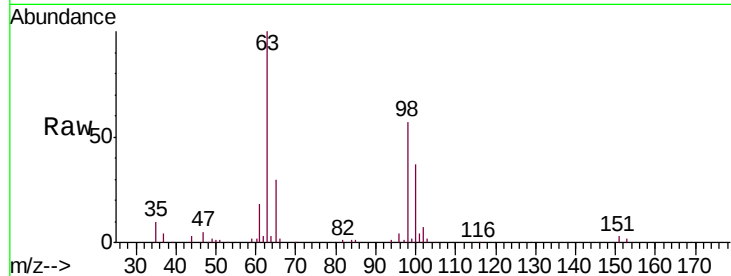
Tgt Ion: 101 Resp: 2049

Ion Ratio Lower Upper

101 100

85 38.6 37.8 56.8

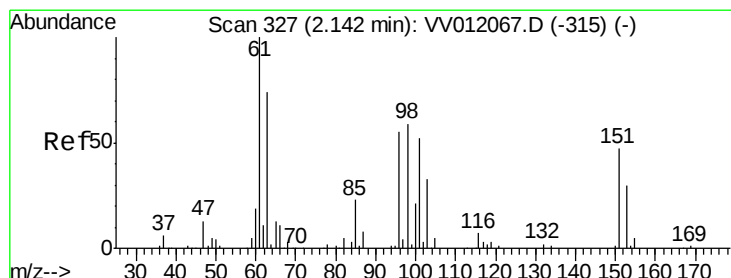
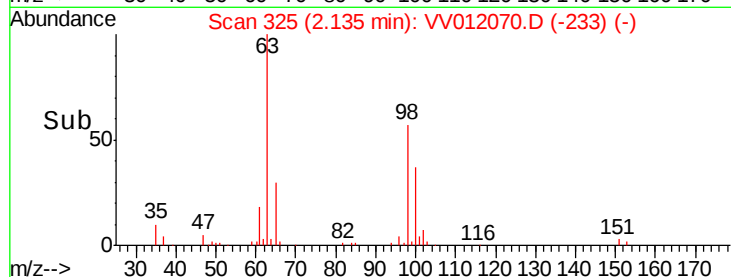
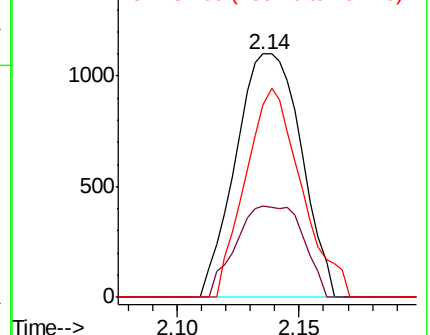
151 73.3 71.4 107.2



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: 0.361 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

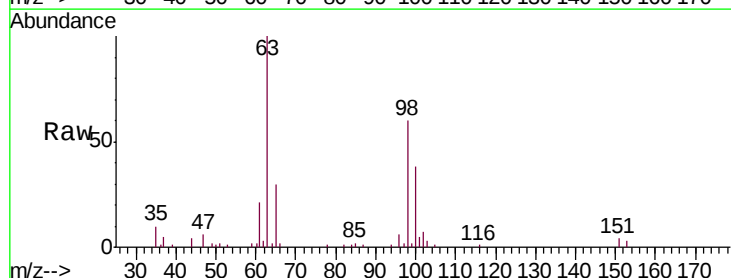
Tgt Ion: 96 Resp: 2002

Ion Ratio Lower Upper

96 100

61 336.9 127.8 237.4#

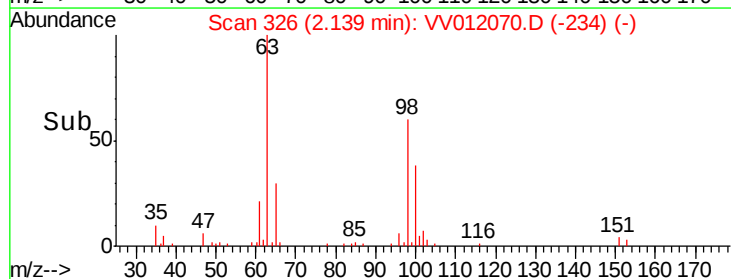
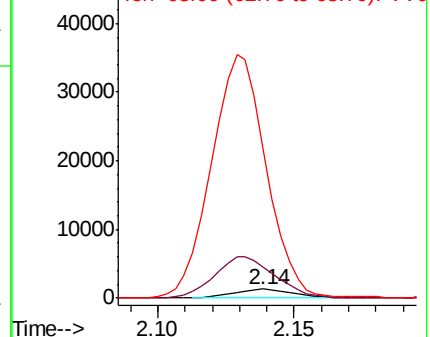
63 1633.6 92.7 172.3#

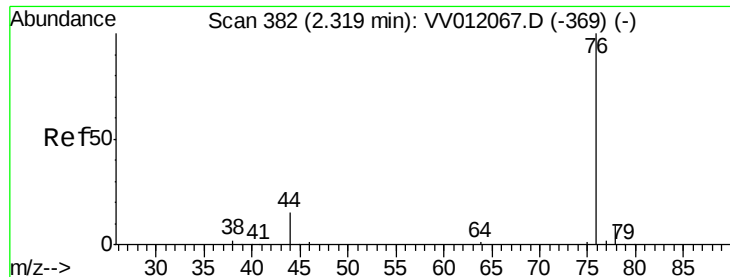


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.253 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampled :

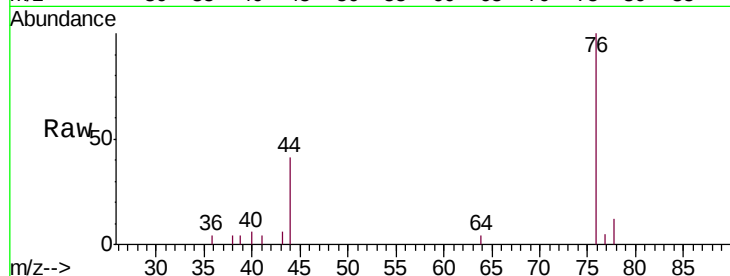
MDL04

Tgt Ion: 76 Resp: 3914

Ion Ratio Lower Upper

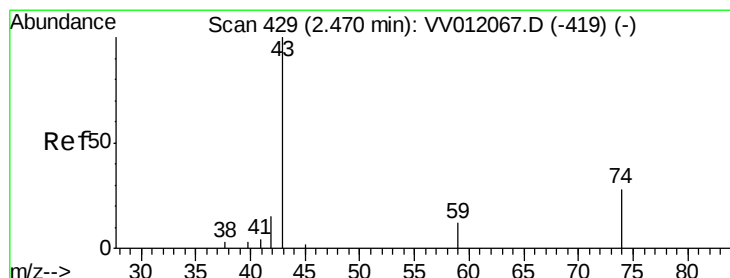
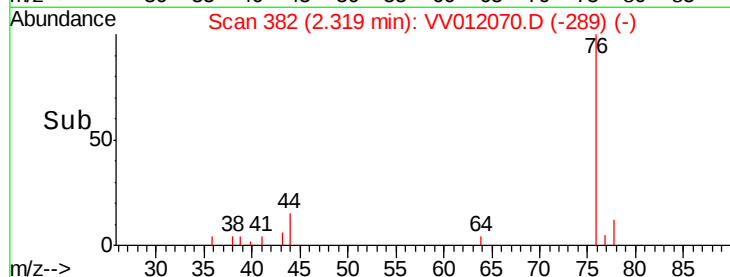
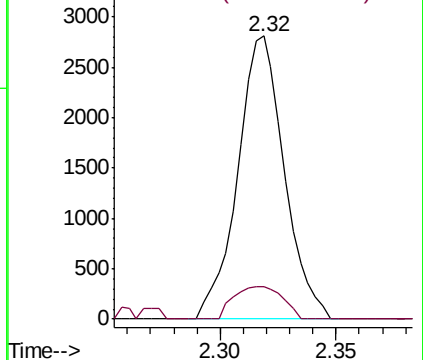
76 100

78 11.7 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.178 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012070.D

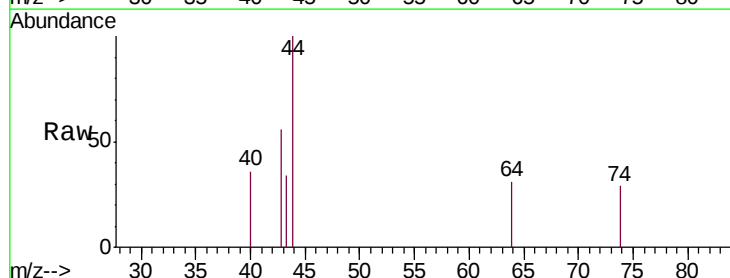
Acq: 30 Jul 2019 12:04

Tgt Ion: 43 Resp: 312

Ion Ratio Lower Upper

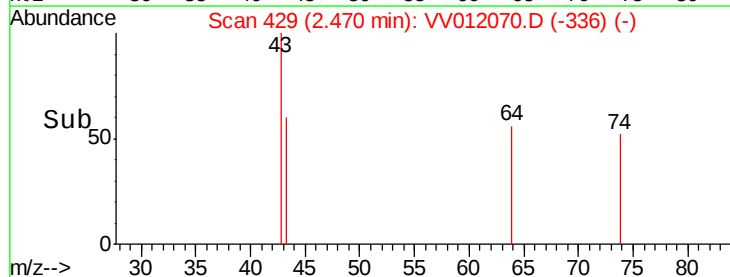
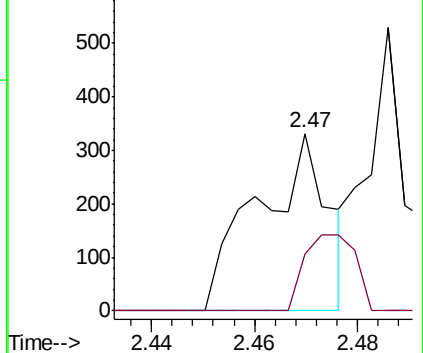
43 100

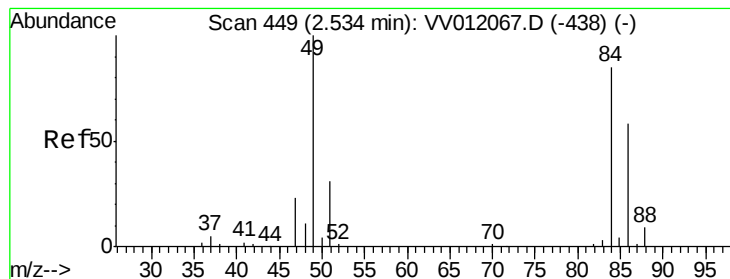
74 31.4 24.4 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#16

Methylene chloride

Concen: 0.337 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

MDL04

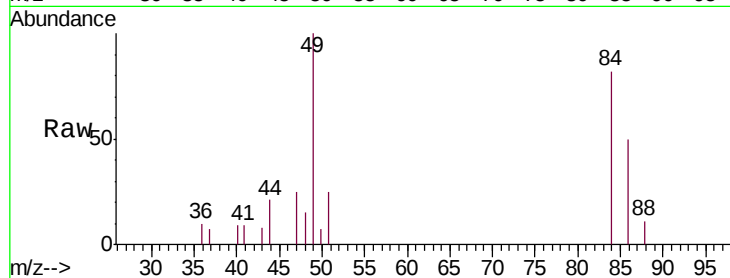
Tgt Ion: 84 Resp: 1915

Ion Ratio Lower Upper

84 100

86 60.9 44.9 83.3

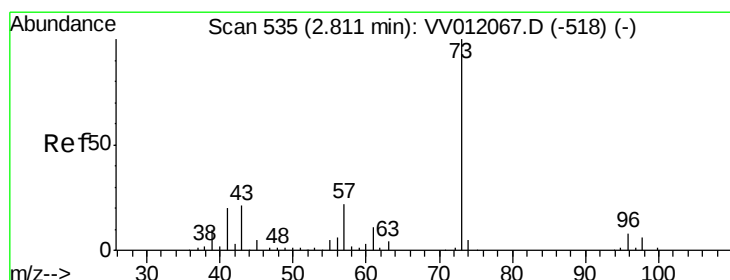
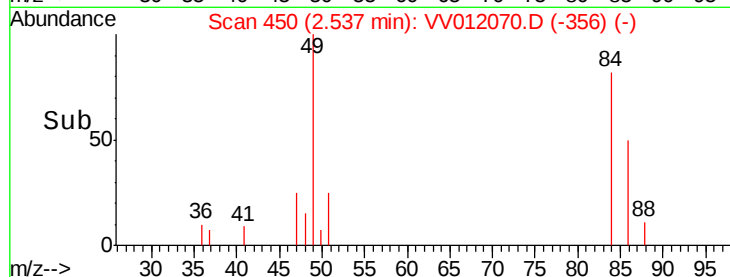
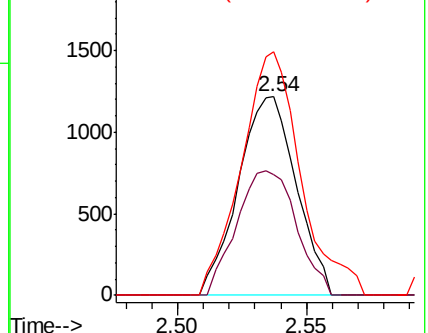
49 131.6 78.6 146.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 0.262 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

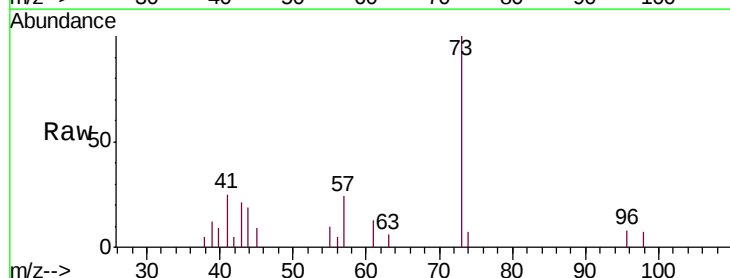
Tgt Ion: 73 Resp: 4576

Ion Ratio Lower Upper

73 100

43 23.0 17.6 26.4

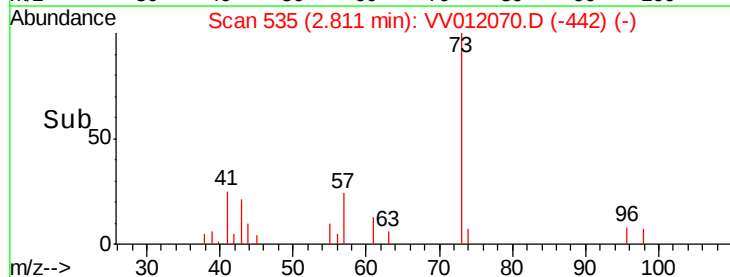
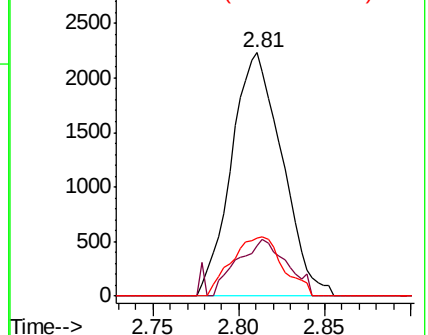
57 24.6 17.0 25.6

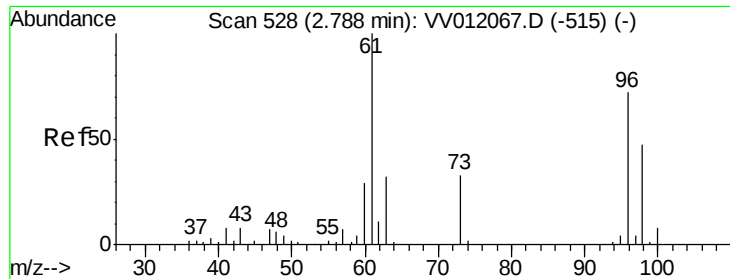


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

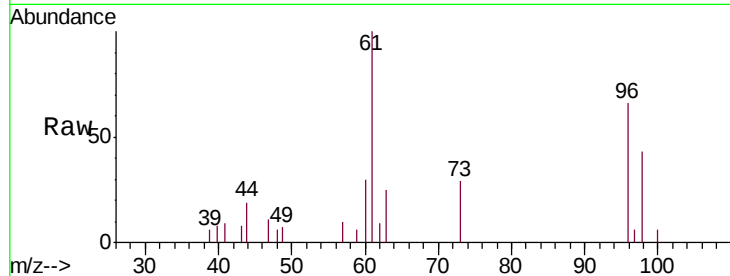




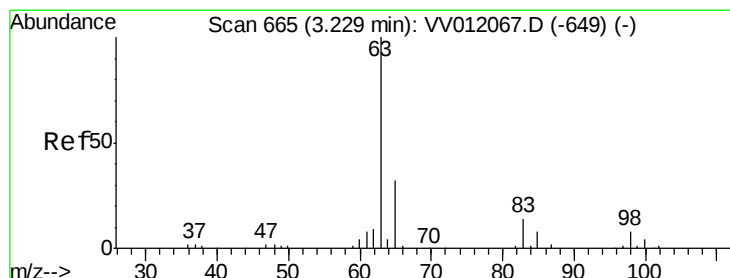
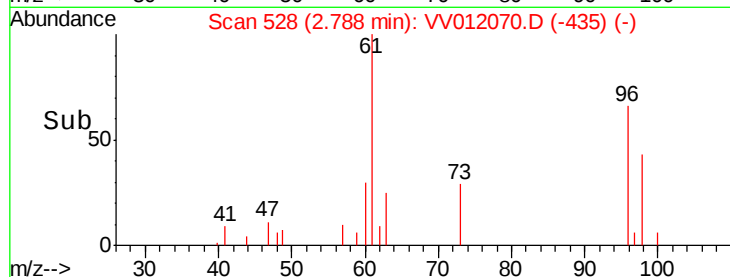
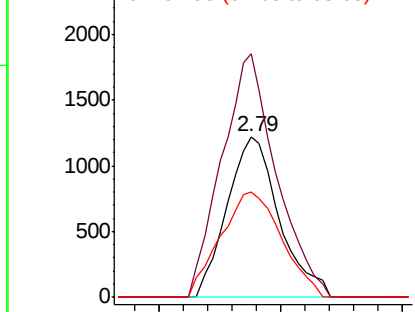
#18
 trans-1,2-Dichloroethene
 Concen: 0.226 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

Tgt Ion: 96 Resp: 1806
 Ion Ratio Lower Upper
 96 100
 61 138.3 97.2 180.6
 98 59.8 45.0 83.6

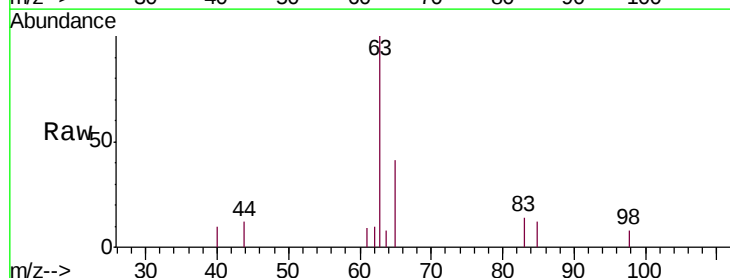


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

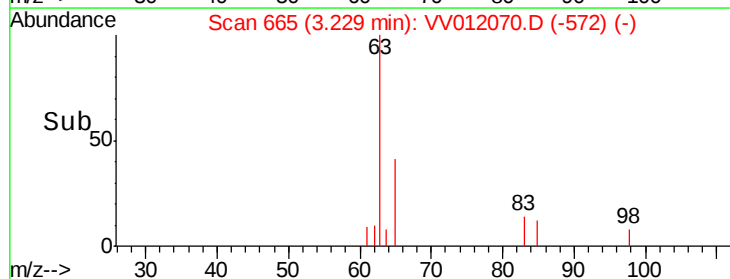
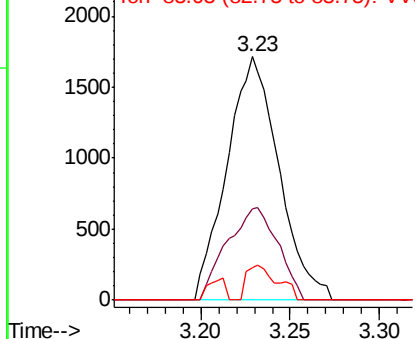


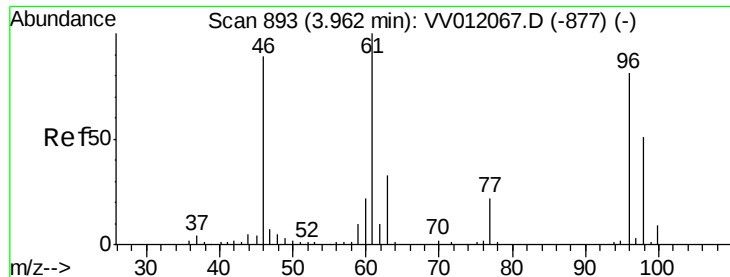
#19
 1,1-Dichloroethane
 Concen: 0.244 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion: 63 Resp: 3487
 Ion Ratio Lower Upper
 63 100
 65 37.7 23.0 42.6
 83 13.1 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



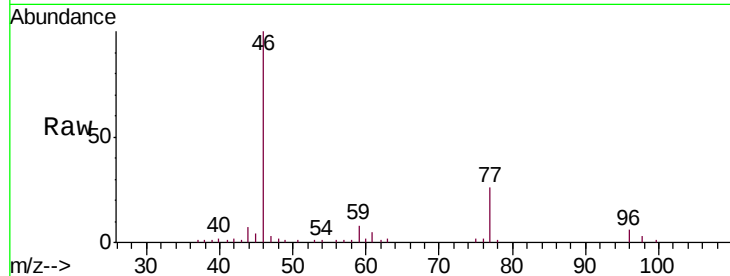


#22

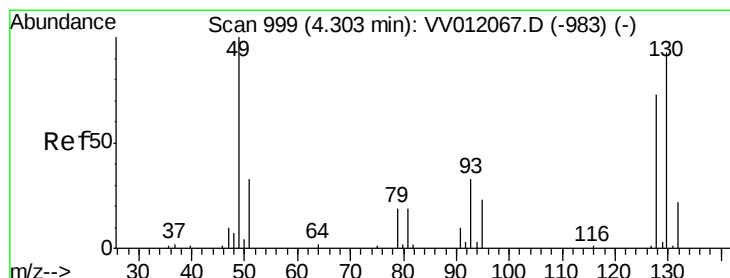
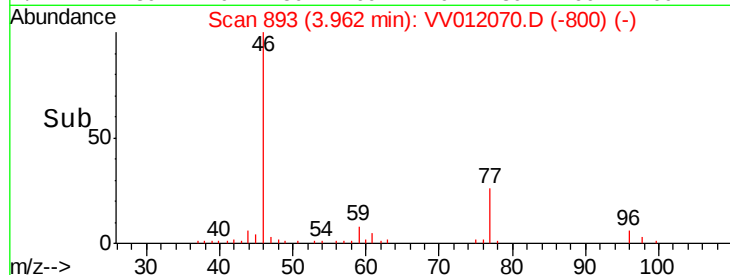
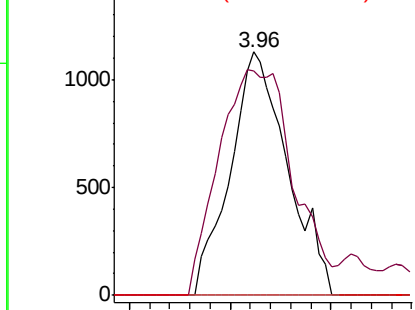
cis-1,2-Dichloroethene
Concen: 0.263 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion: 96 Resp: 2236
Ion Ratio Lower Upper
96 100
61 92.4 90.0 167.2
68 0.0 0.0 0.0



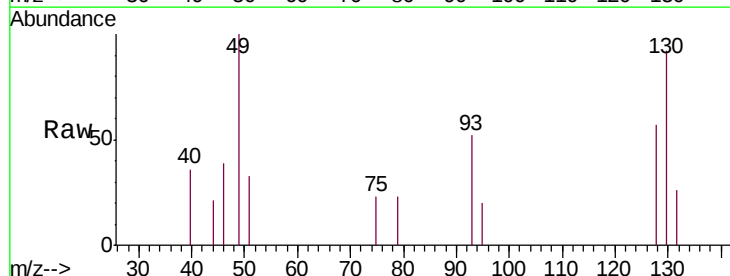
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



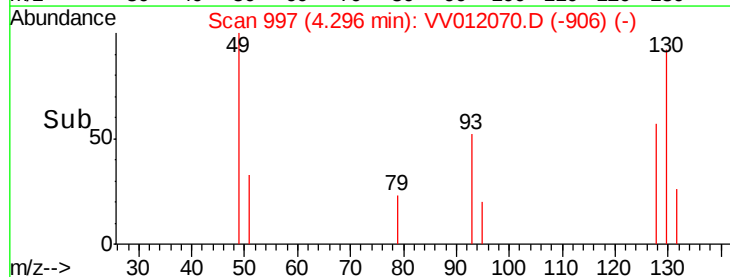
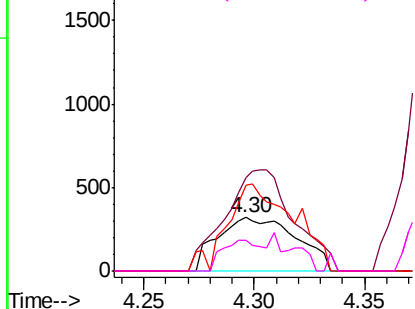
#23

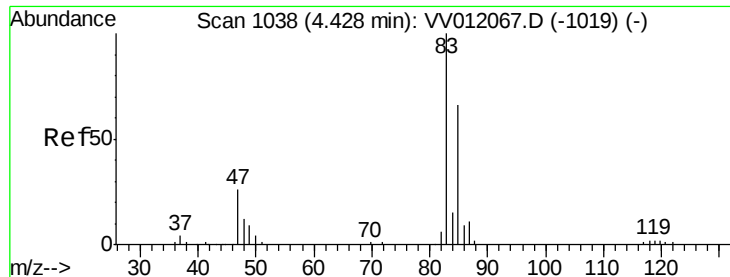
Bromochloromethane
Concen: 0.212 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.01 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Tgt Ion: 128 Resp: 792
Ion Ratio Lower Upper
128 100
49 174.6 105.1 195.1
130 160.2 88.9 165.1
51 58.0 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

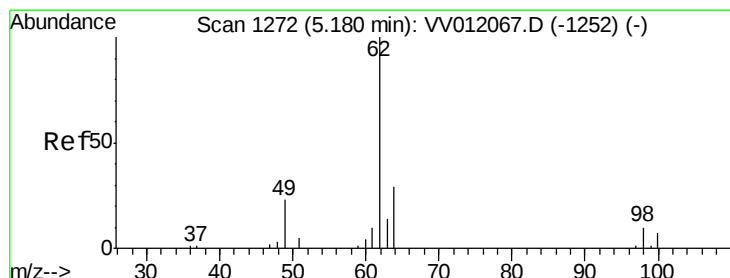
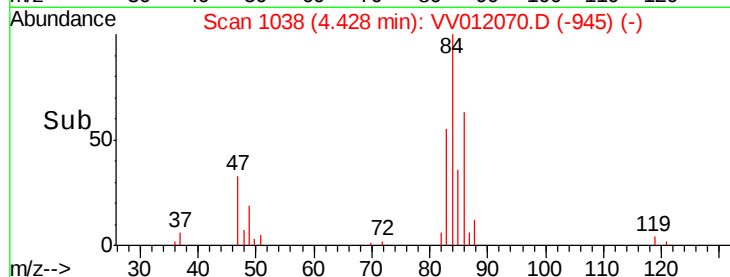
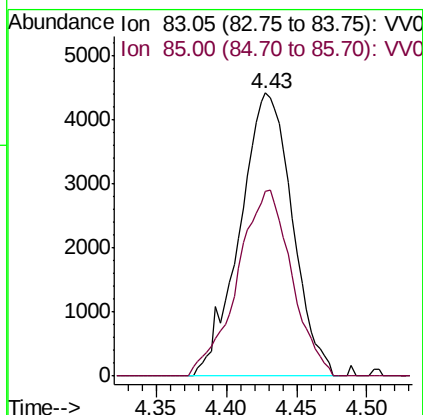
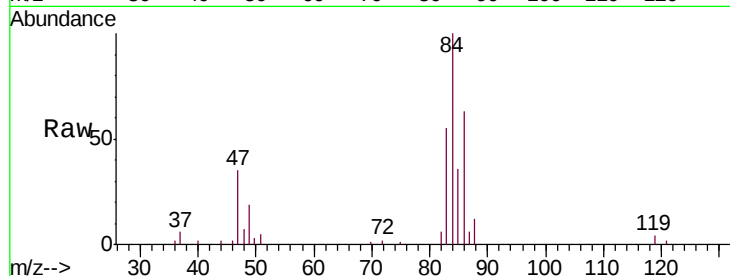




#25
Chloroform
Concen: 0.640 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

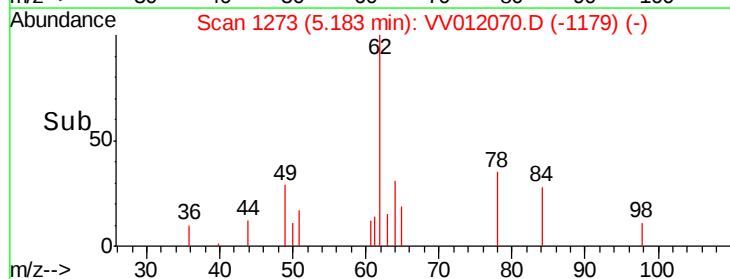
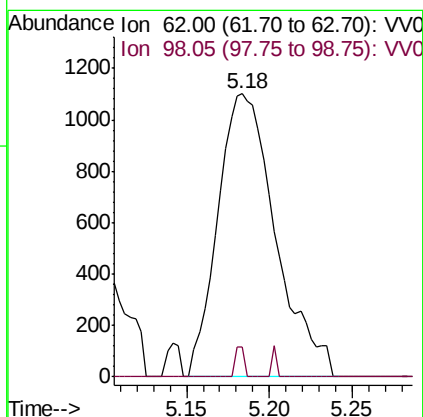
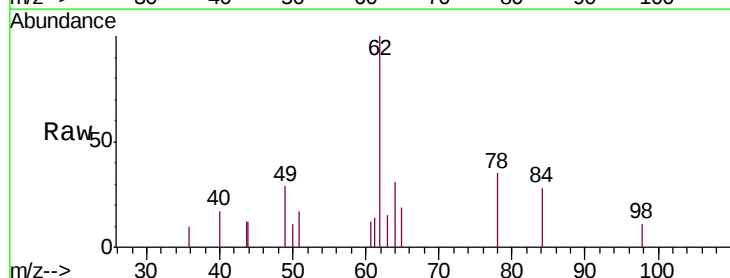
Instrument :
MSVOA_V
ClientSampleId :
MDL04

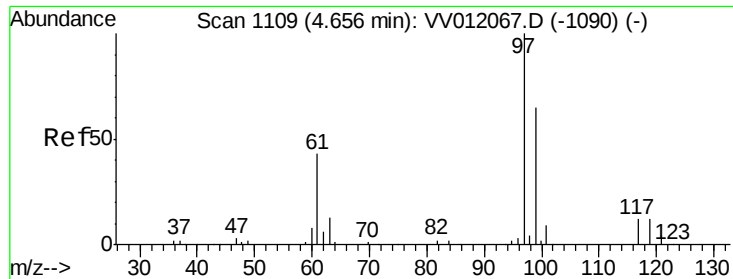
Tgt Ion: 83 Resp: 11475
Ion Ratio Lower Upper
83 100
85 65.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.270 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Tgt Ion: 62 Resp: 2671
Ion Ratio Lower Upper
62 100
98 10.7 7.0 10.6#

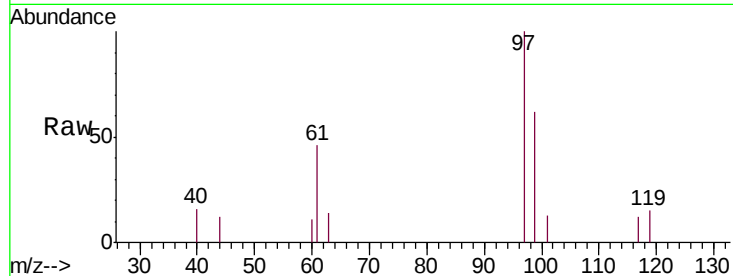




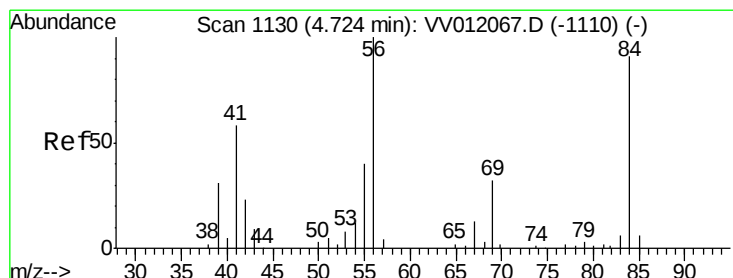
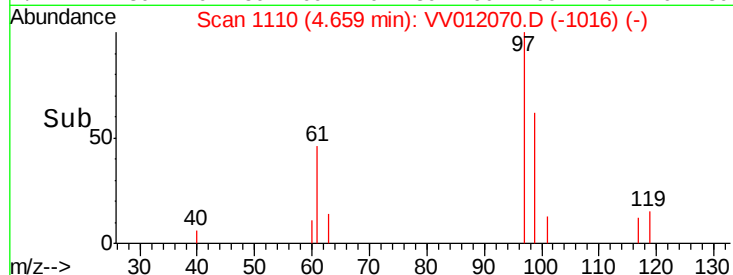
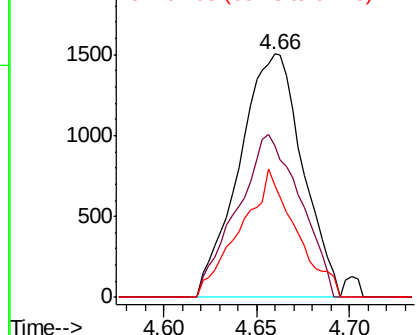
#29
 1,1,1-Trichloroethane
 Concen: 0.248 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tgt Ion: 97 Resp: 3578
 Ion Ratio Lower Upper
 97 100
 99 66.8 51.8 77.8
 61 46.1 34.5 51.7

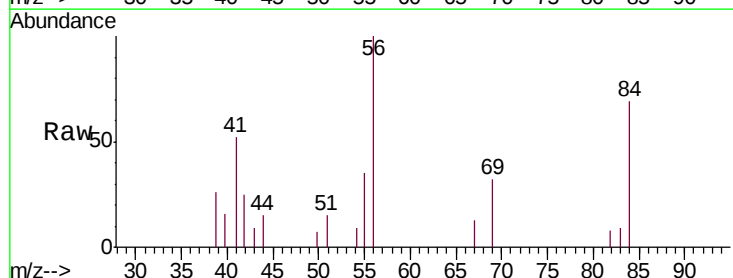


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

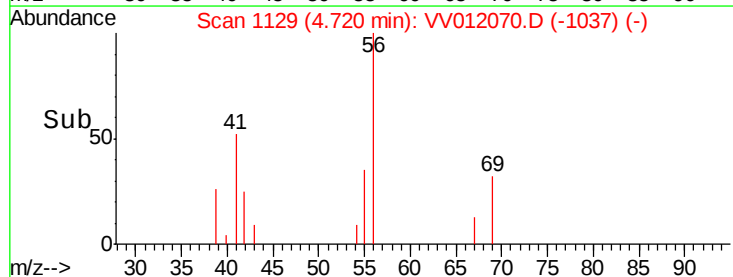
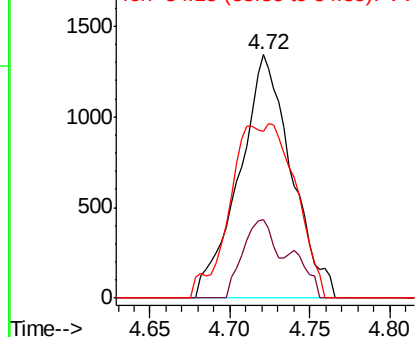


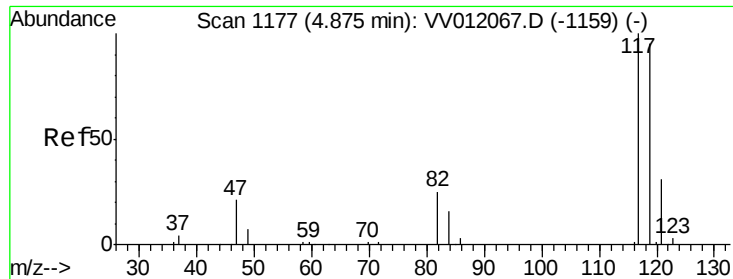
#30
 Cyclohexane
 Concen: 0.242 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion: 56 Resp: 2992
 Ion Ratio Lower Upper
 56 100
 69 20.6 24.8 37.2#
 84 47.2 75.4 113.2#



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.246 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

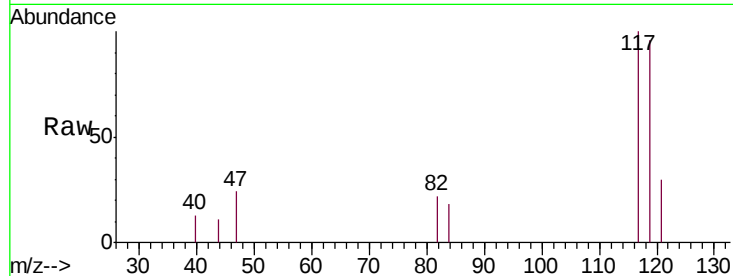
MDL04

Tgt Ion:117 Resp: 3199

Ion Ratio Lower Upper

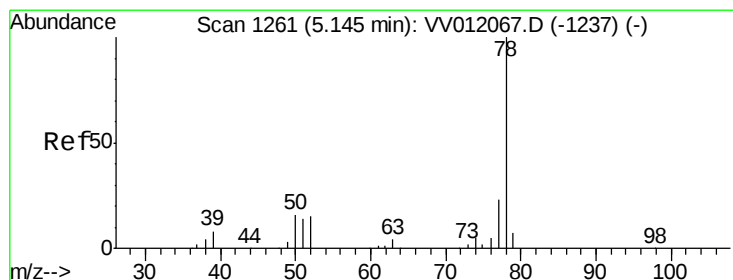
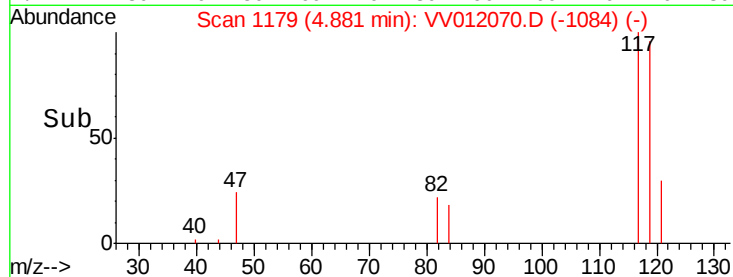
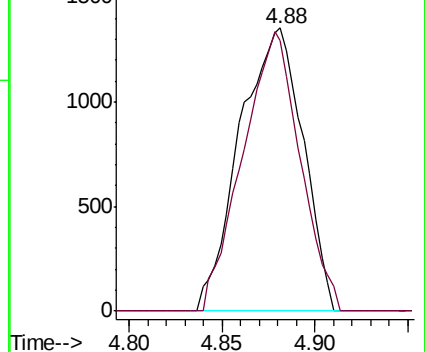
117 100

119 89.7 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: 0.255 ug/L

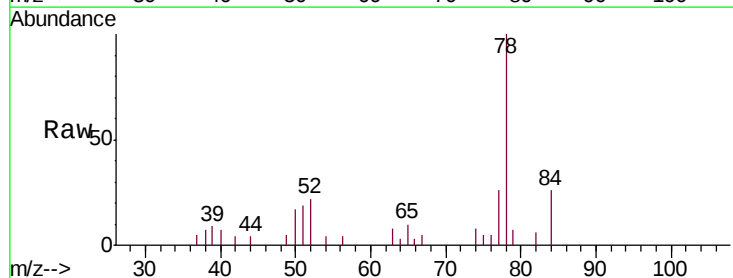
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

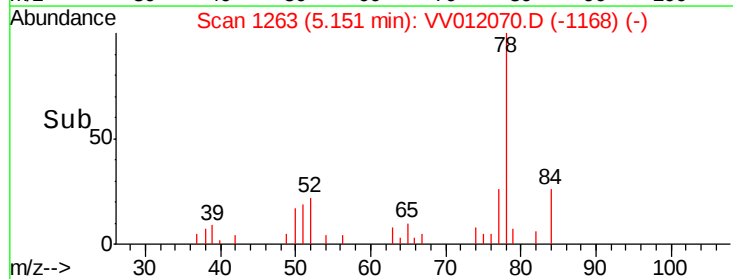
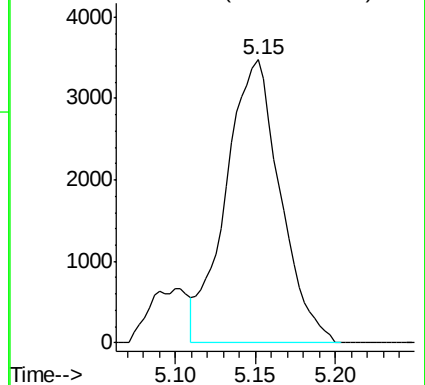
Lab File: VV012070.D

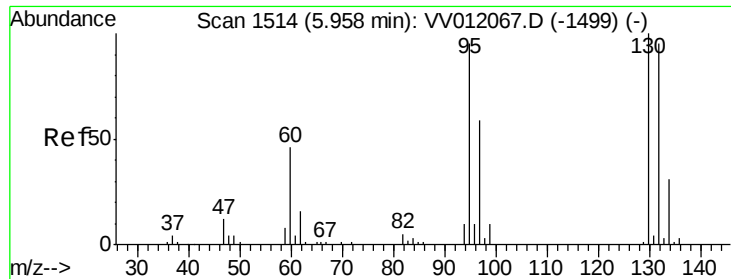
Acq: 30 Jul 2019 12:04

Tgt Ion: 78 Resp: 8105



Abundance Ion 78.10 (77.80 to 78.80): VV0

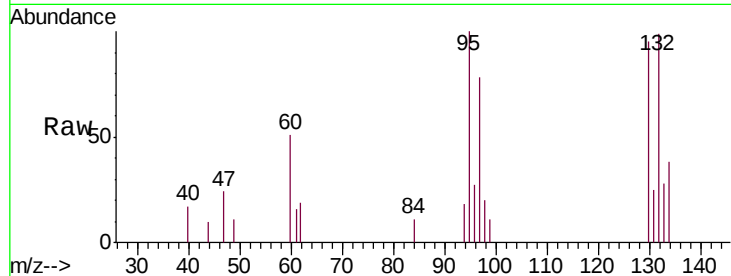




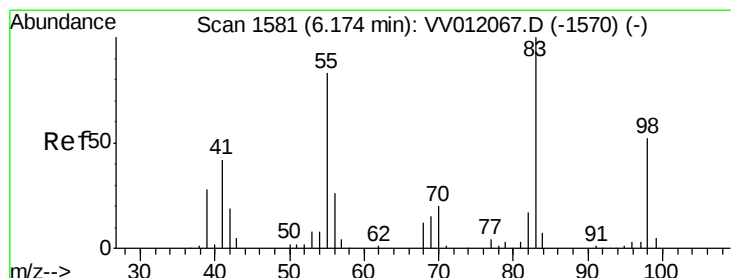
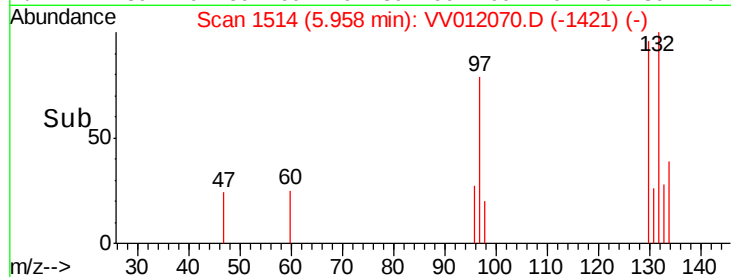
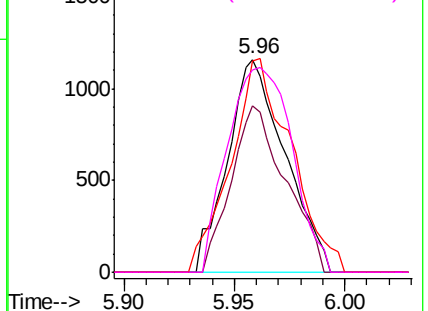
#34
 Trichloroethene
 Concen: 0.232 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion: 95 Resp: 2096
 Ion Ratio Lower Upper
 95 100
 97 61.5 42.8 79.6
 132 78.2 70.8 131.6
 130 74.8 72.3 134.3

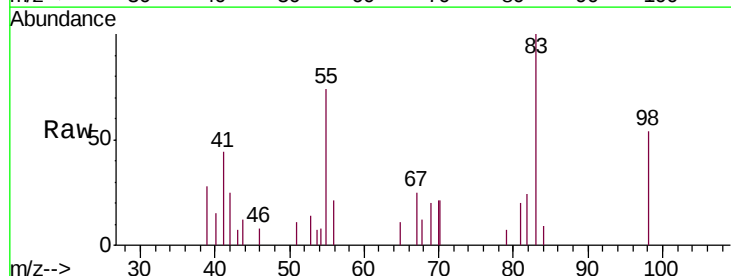


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

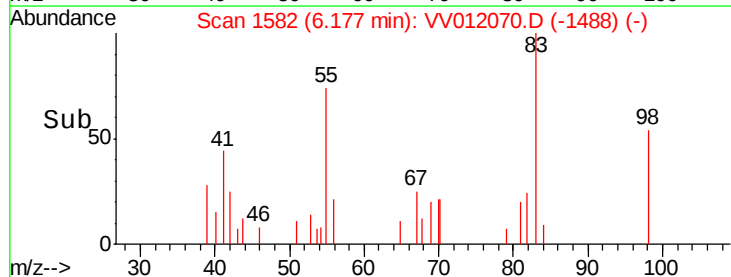
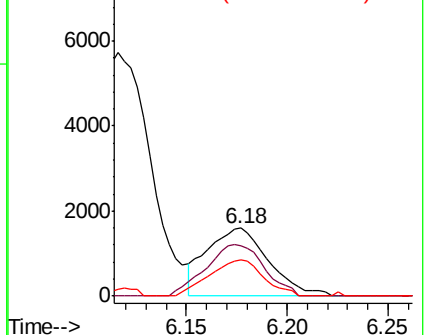


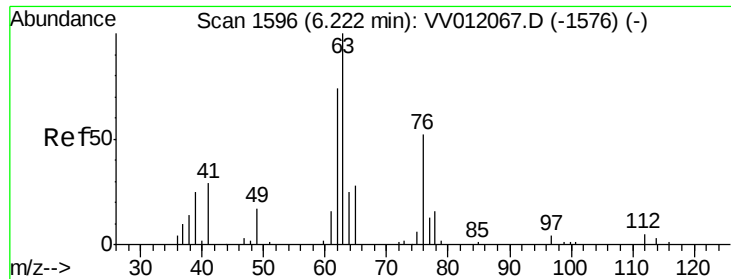
#35
 Methylcyclohexane
 Concen: 0.240 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion: 83 Resp: 3408
 Ion Ratio Lower Upper
 83 100
 55 71.2 60.1 90.1
 98 47.3 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

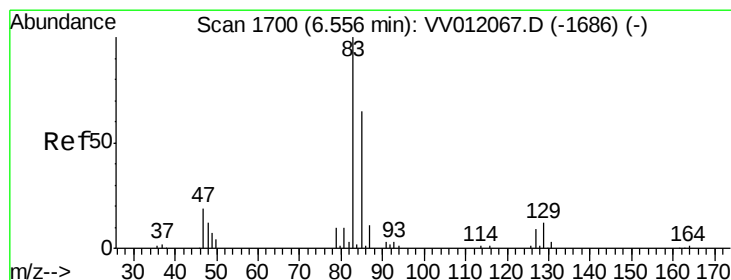
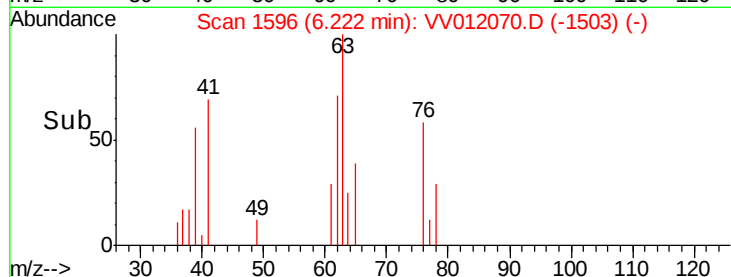
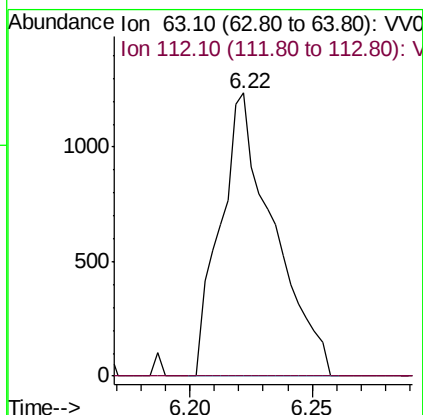
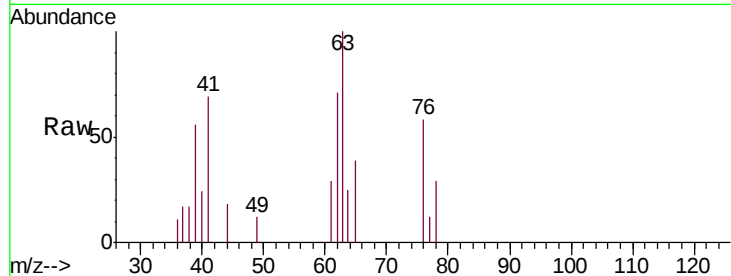




#37
 1,2-Dichloropropane
 Concen: 0.257 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

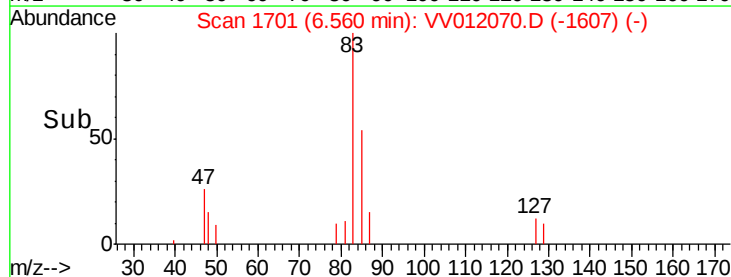
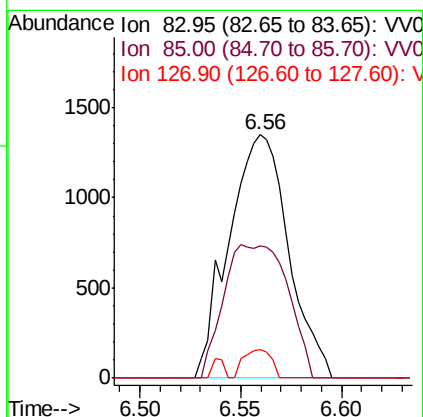
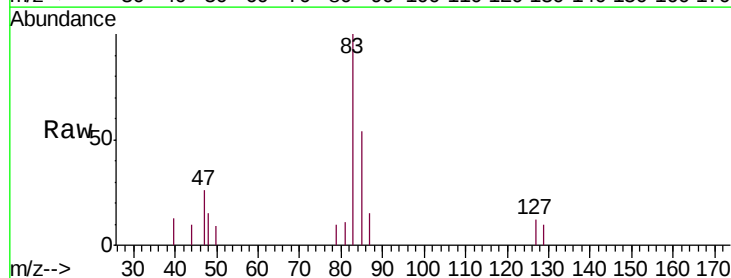
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

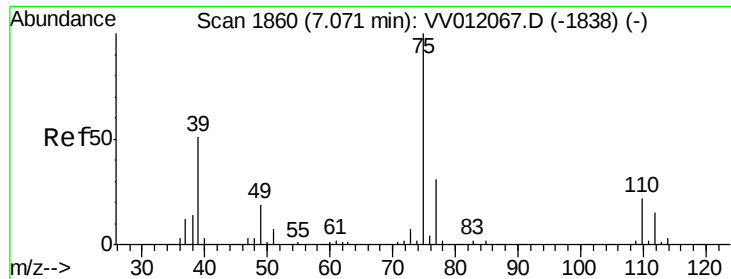
Tgt Ion: 63 Resp: 1885
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.267 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion: 83 Resp: 2773
 Ion Ratio Lower Upper
 83 100
 85 54.2 43.9 81.5
 127 11.8 6.9 10.3#

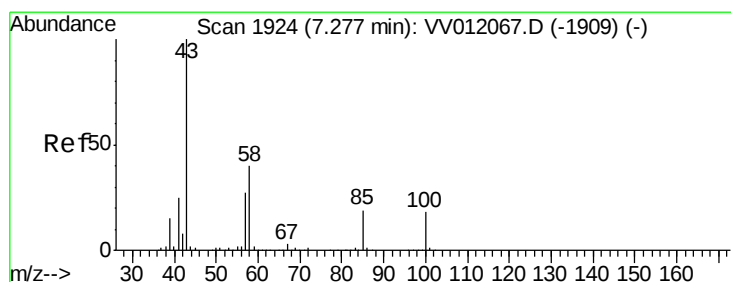
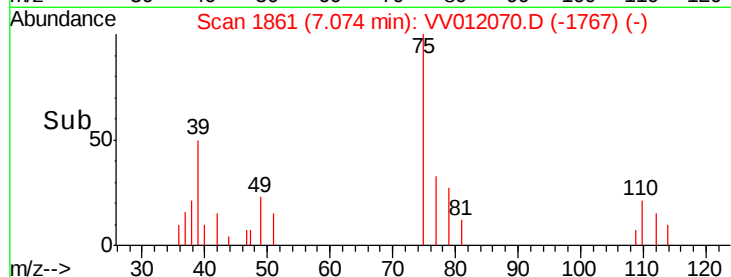
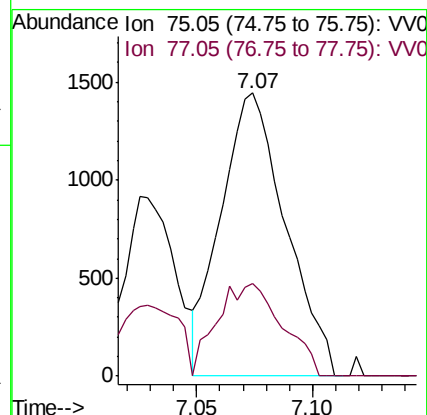
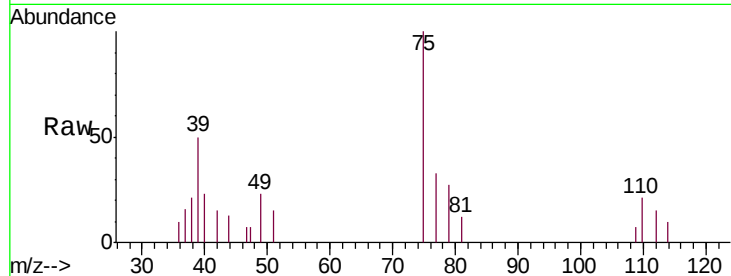




#39
 cis-1,3-Dichloropropene
 Concen: 0.243 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

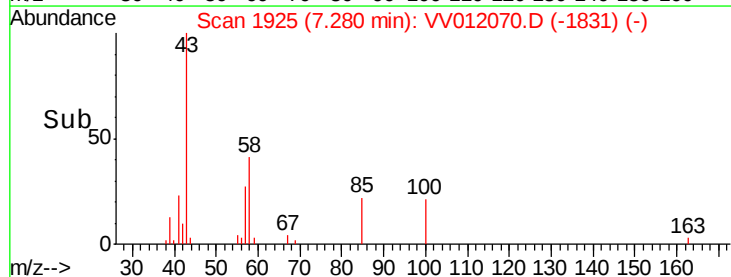
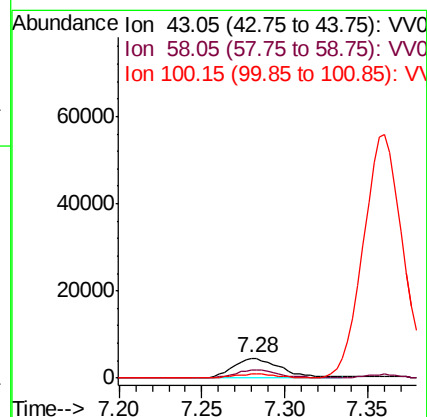
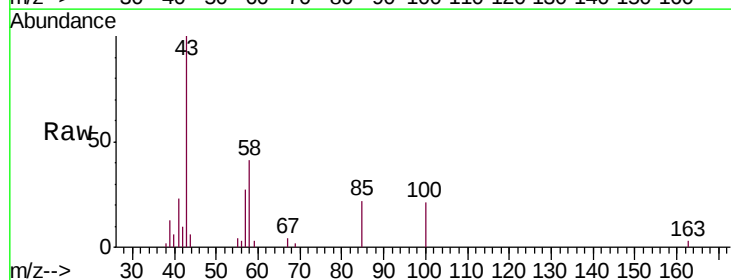
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

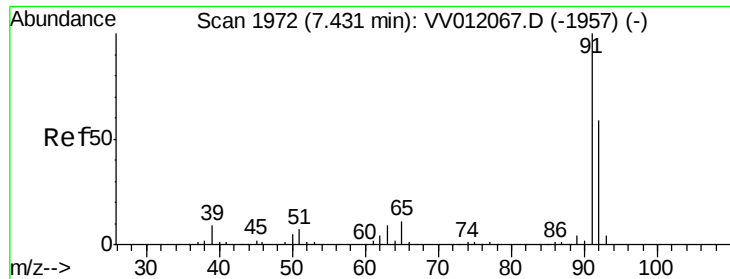
Tgt Ion: 75 Resp: 2803
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 2.231 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion: 43 Resp: 9242
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.9 47.9
 100 0.0 14.0 21.0#





#42

Toluene

Concen: 0.256 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

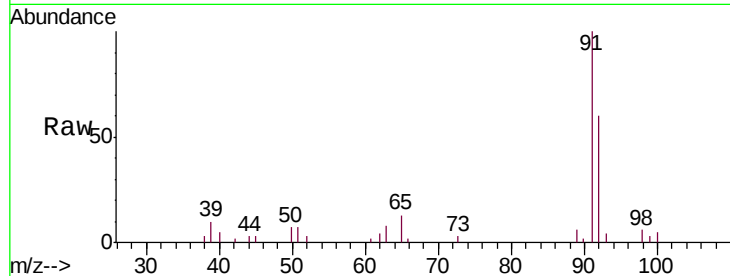
MDL04

Tgt Ion: 91 Resp: 9028

Ion Ratio Lower Upper

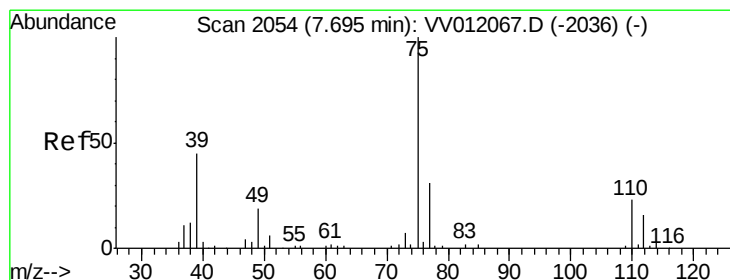
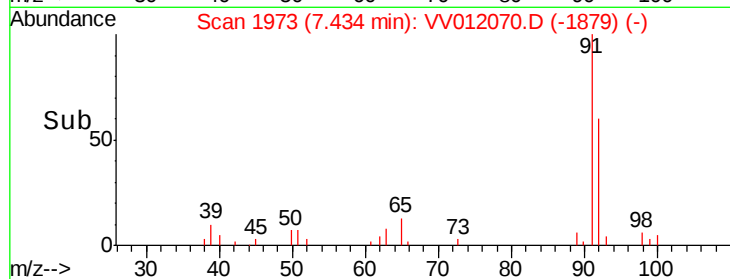
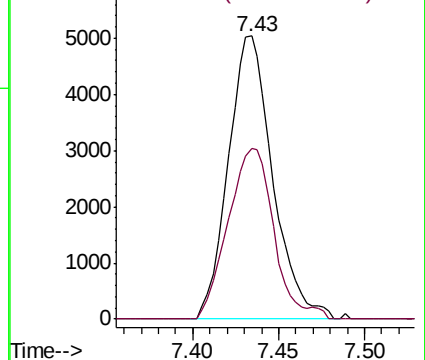
91 100

92 60.1 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.254 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.01 min

Lab File: VV012070.D

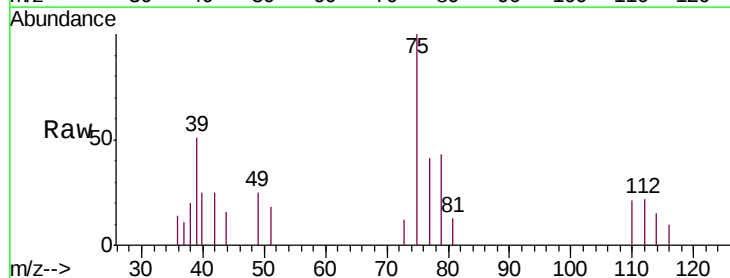
Acq: 30 Jul 2019 12:04

Tgt Ion: 75 Resp: 2361

Ion Ratio Lower Upper

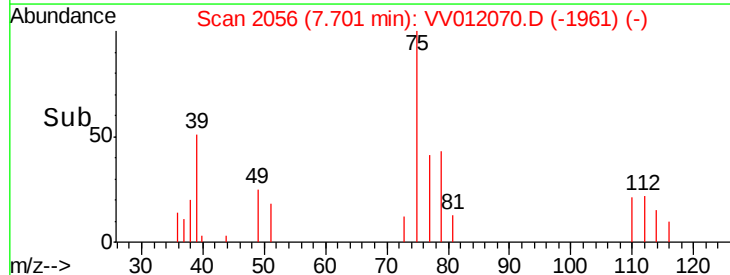
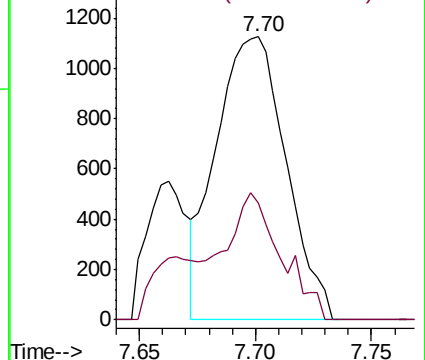
75 100

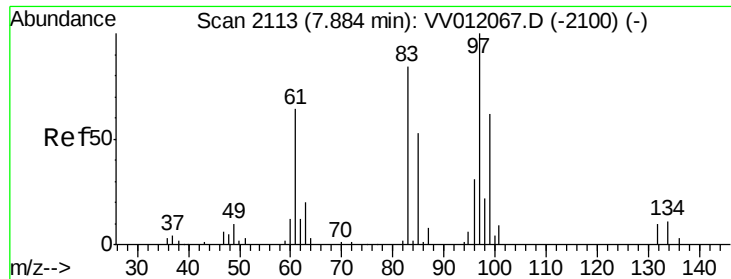
77 41.4 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

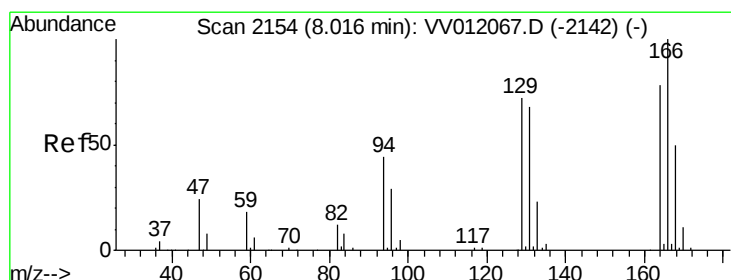
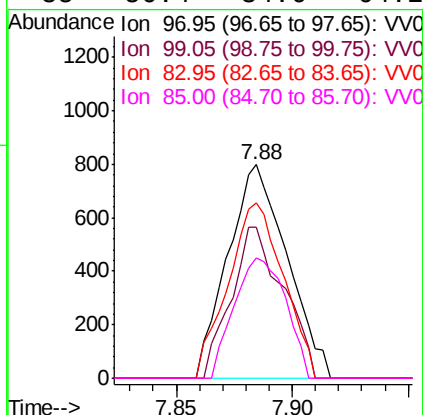
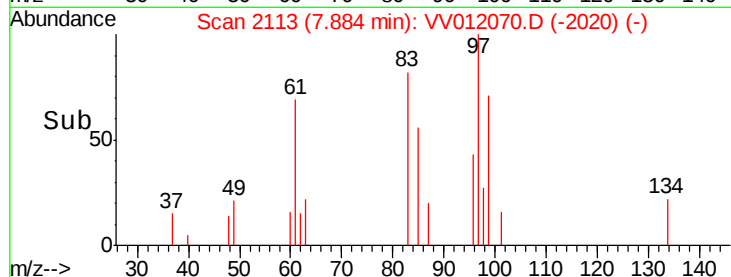
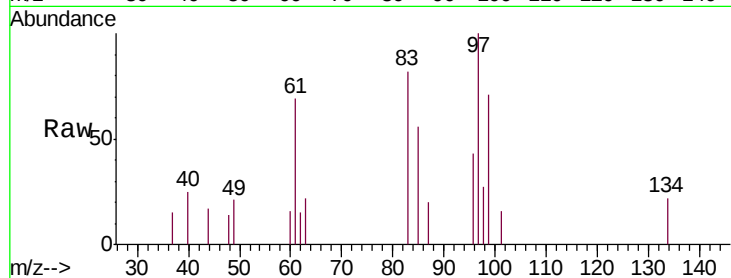




#45
 1,1,2-Trichloroethane
 Concen: 0.252 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

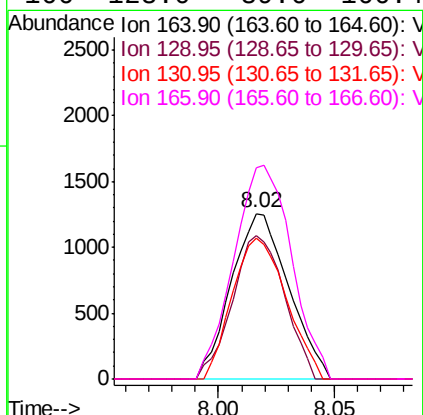
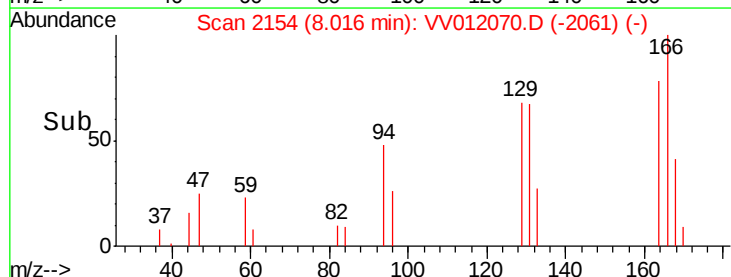
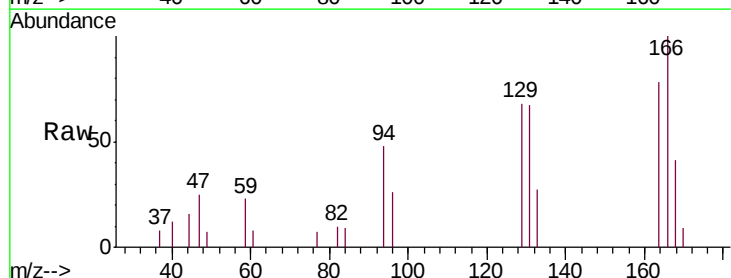
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

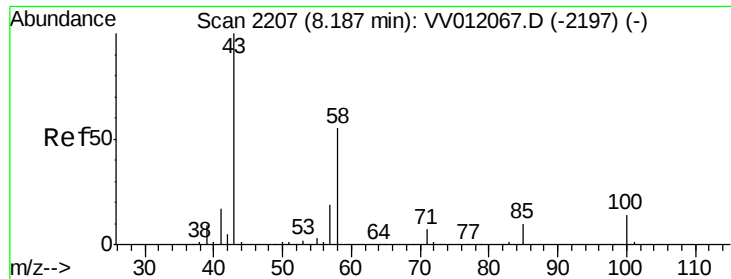
Tgt Ion:	97	Resp:	1411
Ion	Ratio	Lower	Upper
97	100		
99	70.8	42.0	78.0
83	82.1	57.6	107.0
85	56.4	34.6	64.2



#47
 Tetrachloroethene
 Concen: 0.273 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion:	164	Resp:	2157
Ion	Ratio	Lower	Upper
164	100		
129	86.6	61.9	114.9
131	85.3	59.4	110.4
166	128.0	89.6	166.4

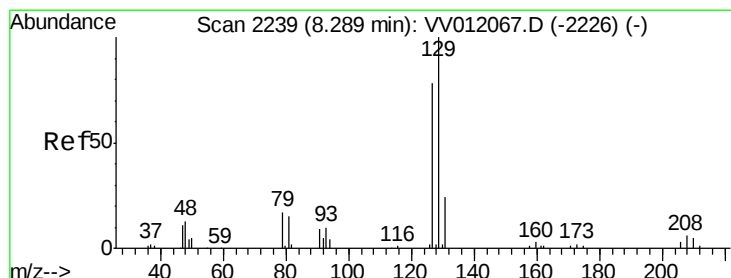
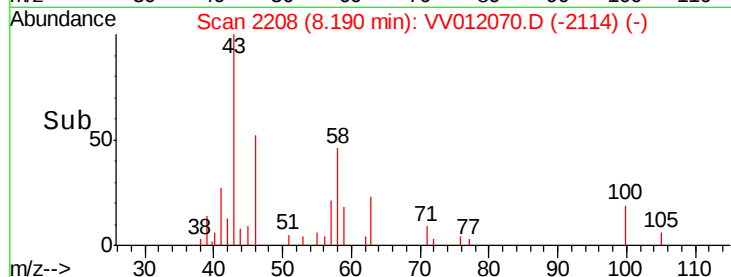
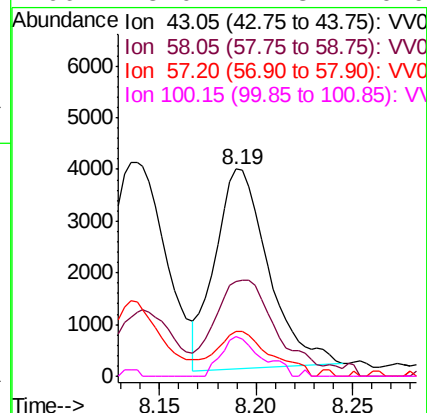
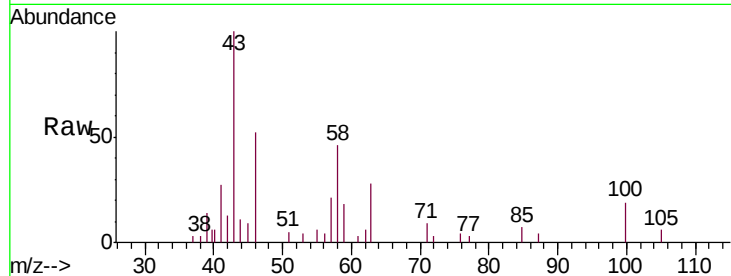




#48
2-Hexanone
Concen: 2.531 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

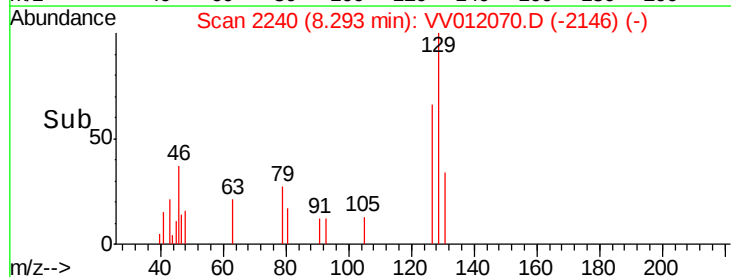
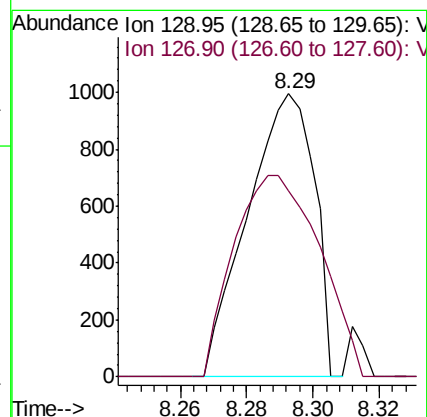
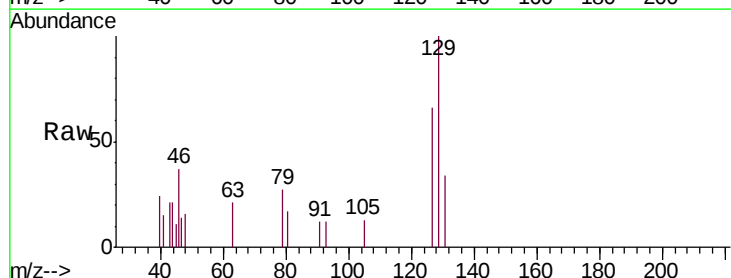
Instrument :
MSVOA_V
ClientSampleId :
MDL04

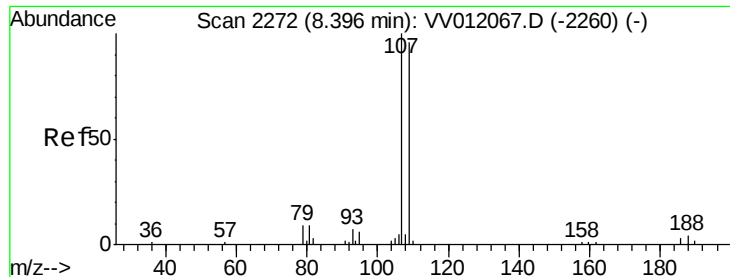
Tgt Ion: 43 Resp: 7411
Ion Ratio Lower Upper
43 100
58 50.0 44.1 66.1
57 23.3 16.1 24.1
100 15.0 11.3 16.9



#49
Dibromochloromethane
Concen: 0.203 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Tgt Ion: 129 Resp: 1393
Ion Ratio Lower Upper
129 100
127 65.7 55.4 102.8

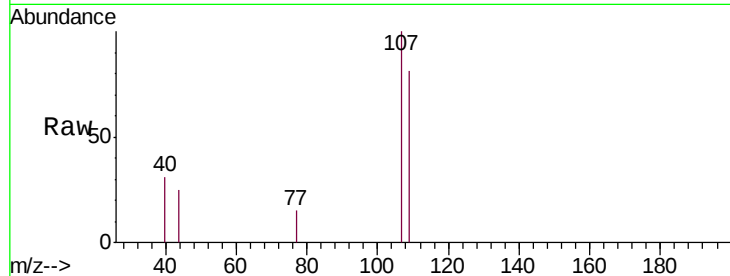




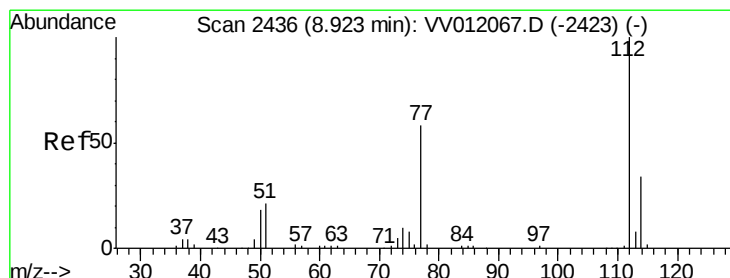
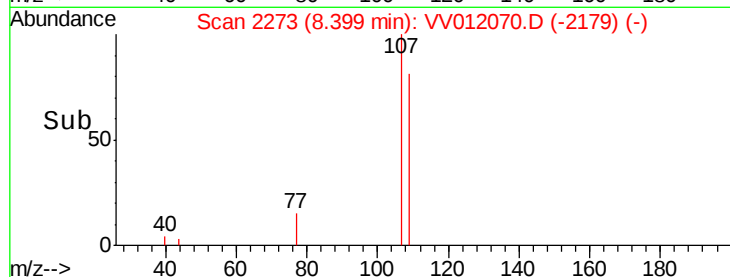
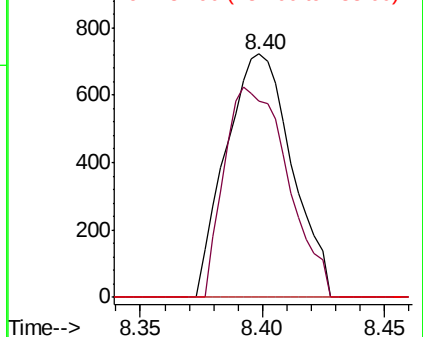
#50
1,2-Dibromoethane
Concen: 0.258 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion:107 Resp: 1351
Ion Ratio Lower Upper
107 100
109 80.8 66.3 123.1
188 0.0 3.4 5.0#

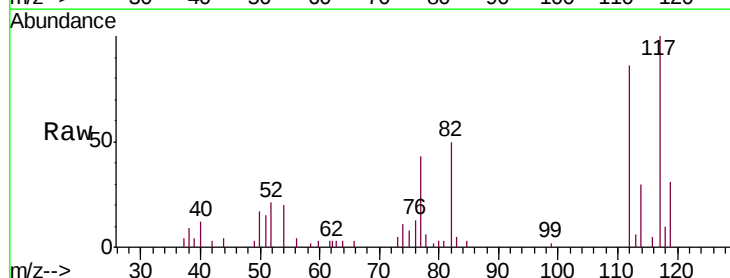


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

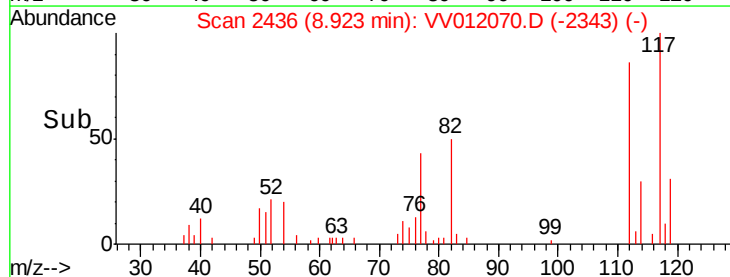
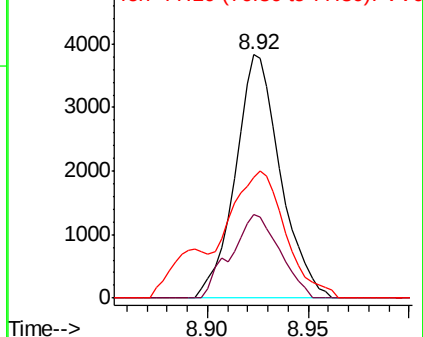


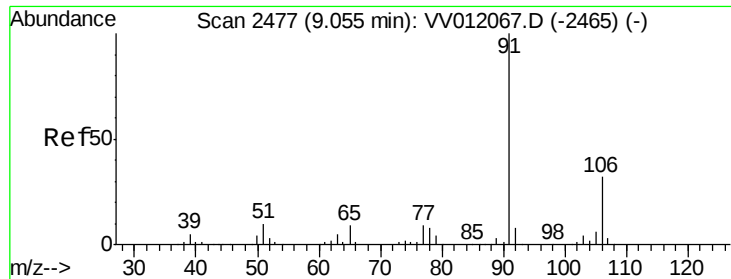
#51
Chlorobenzene
Concen: 0.254 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Tgt Ion:112 Resp: 5987
Ion Ratio Lower Upper
112 100
114 34.2 22.1 41.1
77 49.4 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: 0.231 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampled :

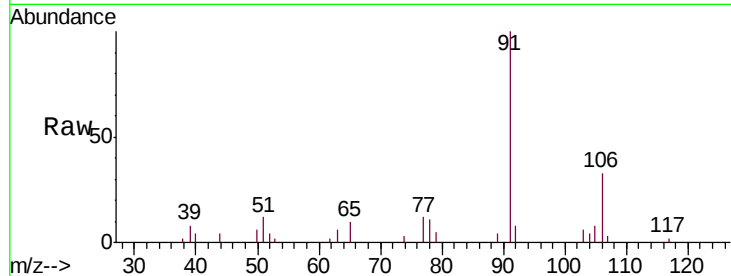
MDL04

Tgt Ion: 91 Resp: 9300

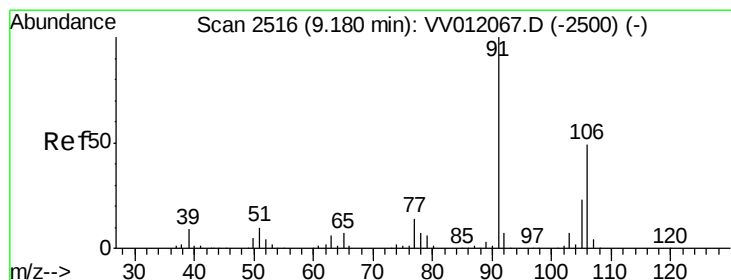
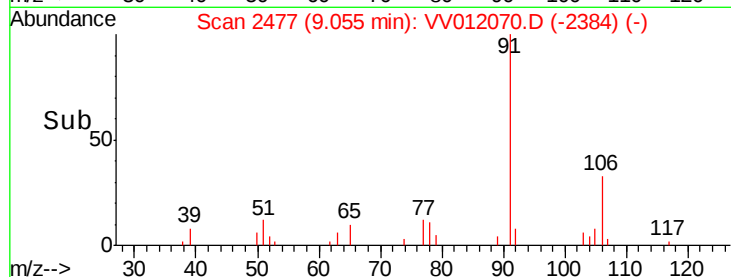
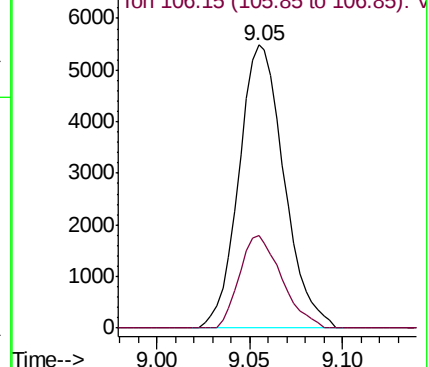
Ion Ratio Lower Upper

91 100

106 32.6 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012067.D (-2465) (-)



#53

m,p-xylene

Concen: 0.247 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012070.D

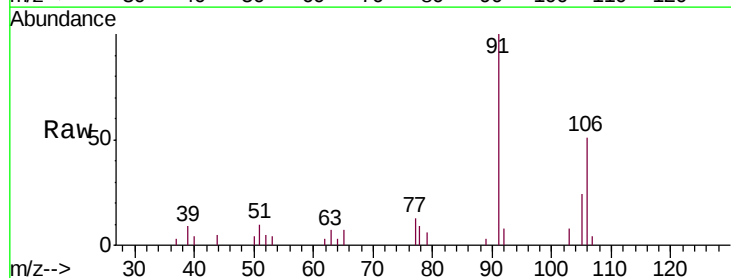
Acq: 30 Jul 2019 12:04

Tgt Ion: 106 Resp: 3794

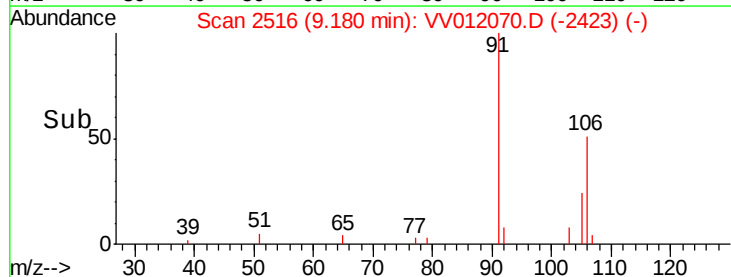
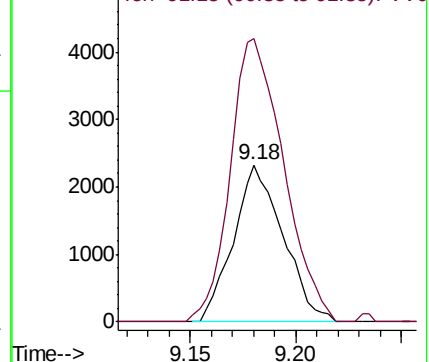
Ion Ratio Lower Upper

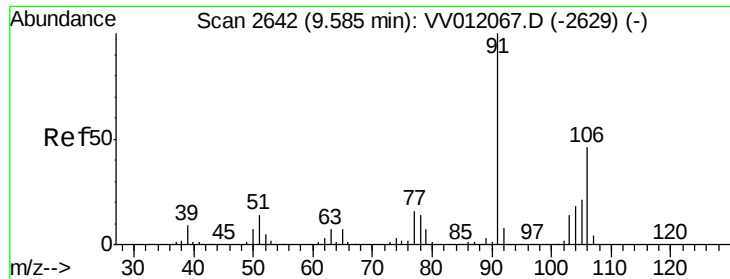
106 100

91 180.7 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012067.D (-2500) (-)





#54

o-xylene

Concen: 0.213 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

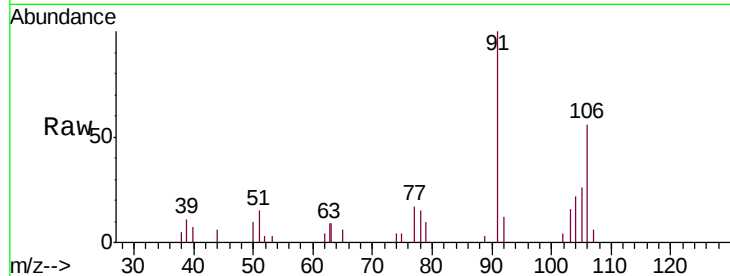
Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion:106 Resp: 3097

Ion Ratio Lower Upper

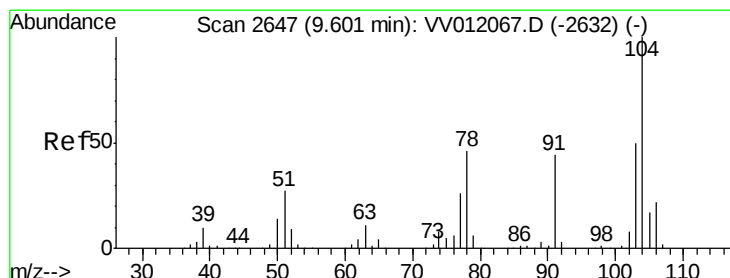
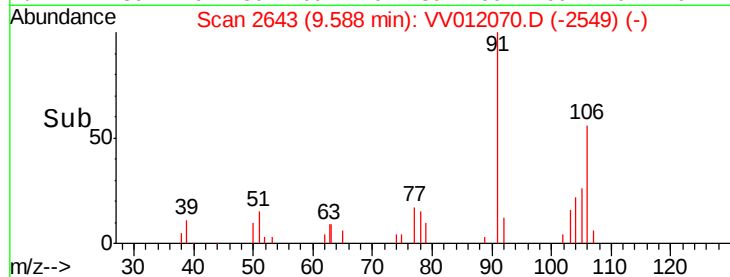
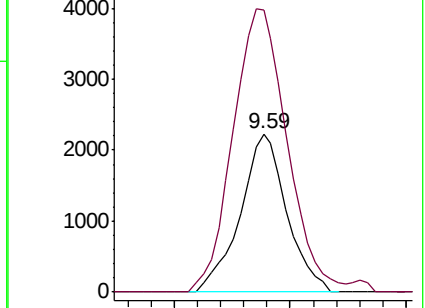
106 100

91 177.8 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.204 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012070.D

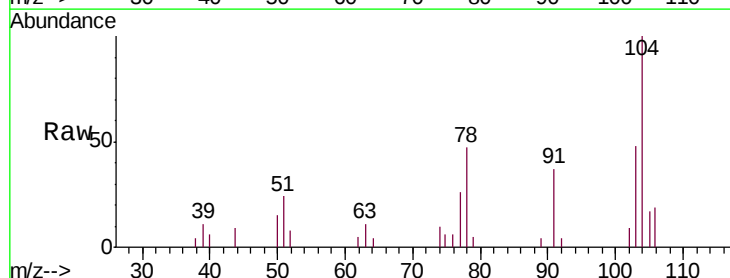
Acq: 30 Jul 2019 12:04

Tgt Ion:104 Resp: 4975

Ion Ratio Lower Upper

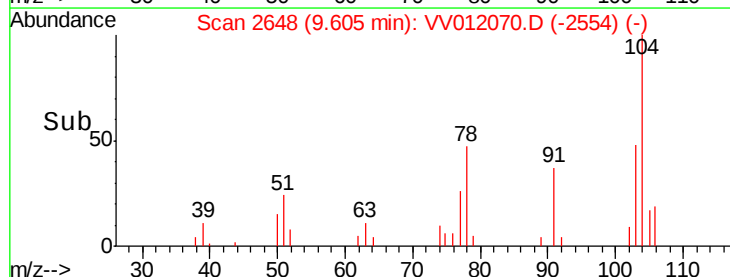
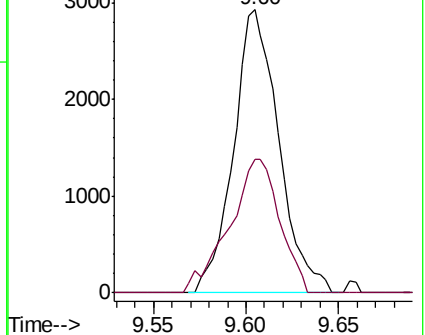
104 100

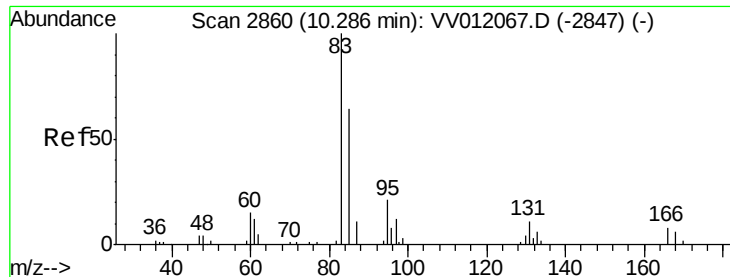
78 47.2 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.266 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampled :

MDL04

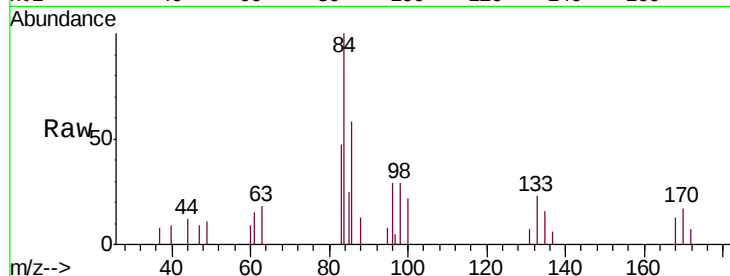
Tgt Ion: 83 Resp: 1599

Ion Ratio Lower Upper

83 100

85 52.2 44.0 81.6

131 14.1 8.3 12.5#

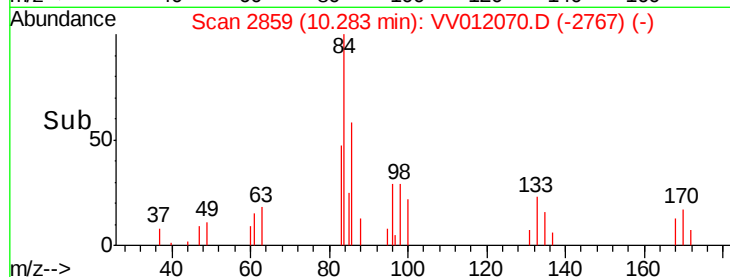


Abundance Ion 82.95 (82.65 to 83.65): VV012067.D (-2847) (-)

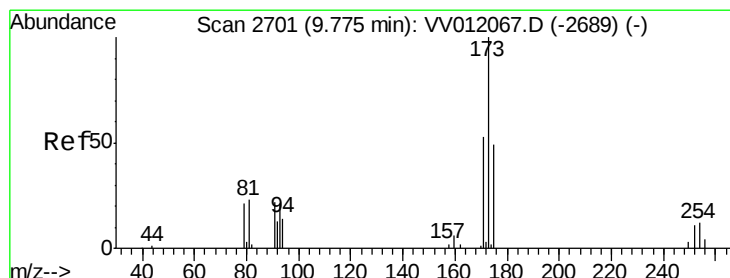
Ion 85.00 (84.70 to 85.70): VV012067.D (-2847) (-)

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

Time-->



Time-->



#59

Bromoform

Concen: 0.289 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

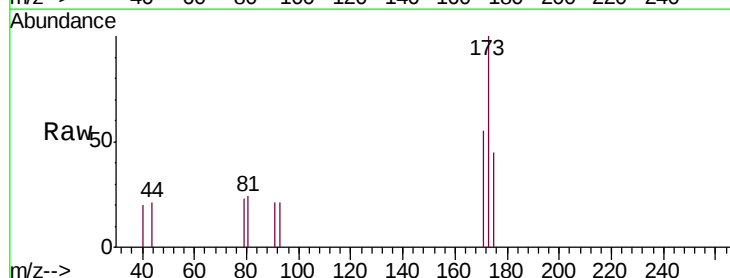
Tgt Ion: 173 Resp: 1014

Ion Ratio Lower Upper

173 100

175 40.3 38.3 57.5

254 0.0 8.6 13.0#

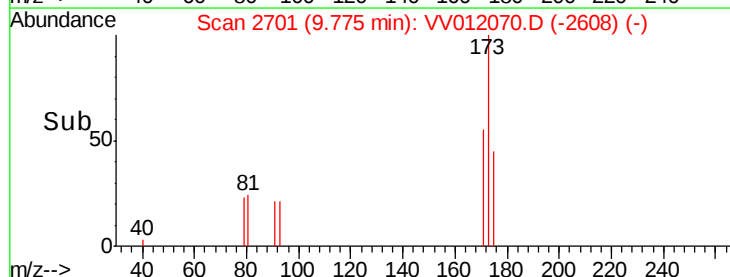


Abundance Ion 172.90 (172.60 to 173.60): VV012067.D (-2689) (-)

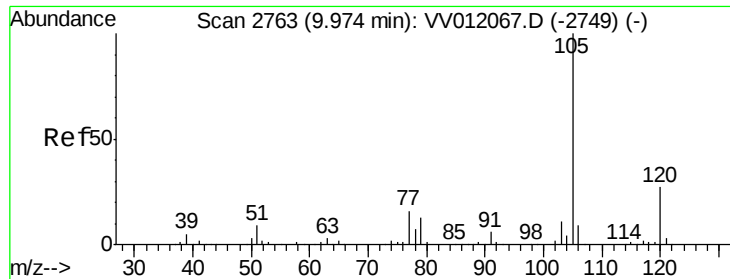
Ion 174.90 (174.60 to 175.60): VV012067.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012067.D (-2689) (-)

Time-->



Time-->



#60

Isopropylbenzene

Concen: 0.234 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

MDL04

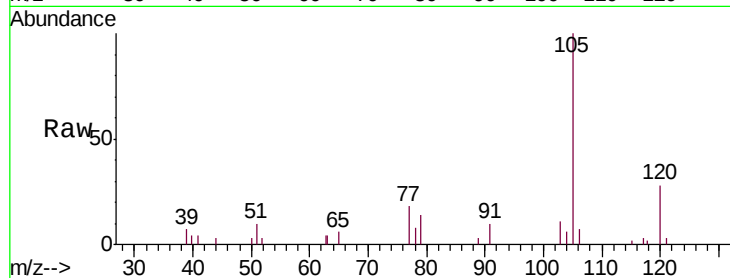
Tgt Ion: 105 Resp: 8675

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

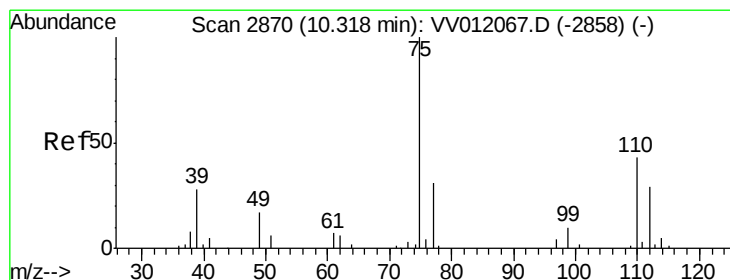
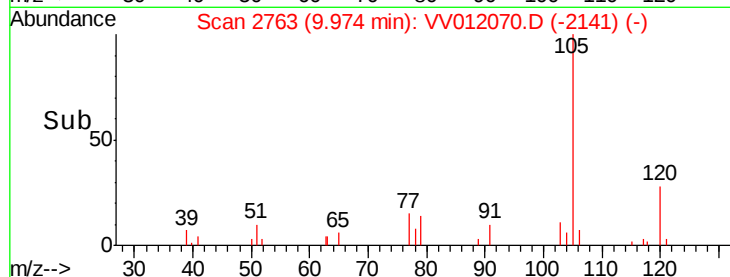
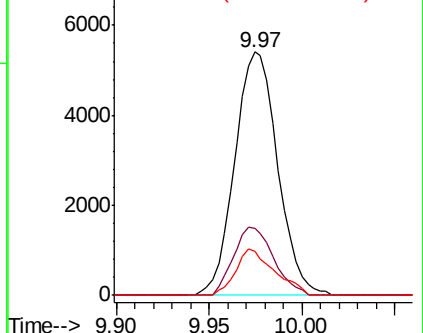
77 17.2 12.3 18.5



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: 0.274 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

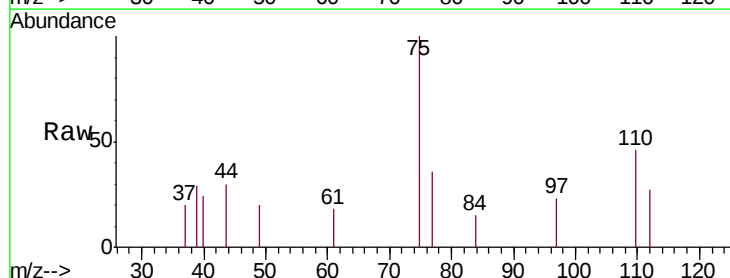
Tgt Ion: 75 Resp: 1161

Ion Ratio Lower Upper

75 100

77 43.7 26.8 40.2#

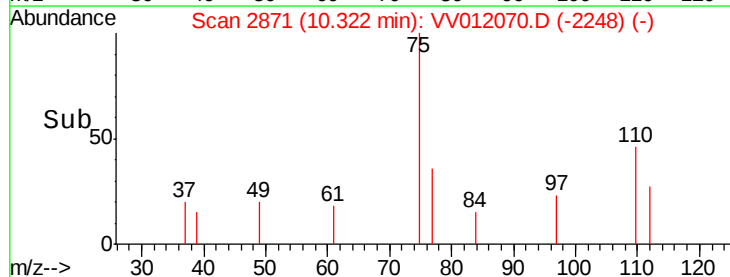
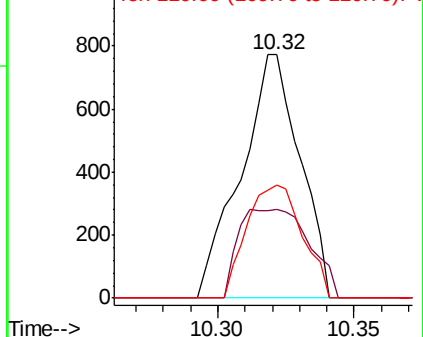
110 43.6 35.0 52.6

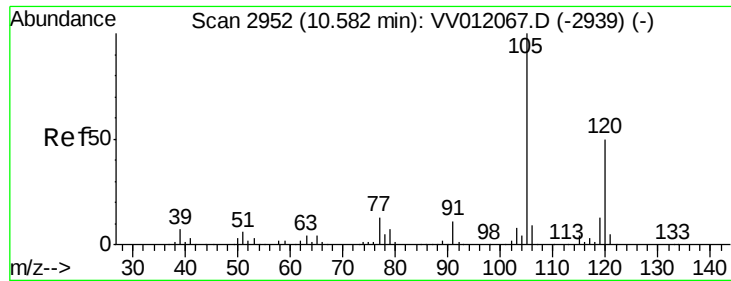


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

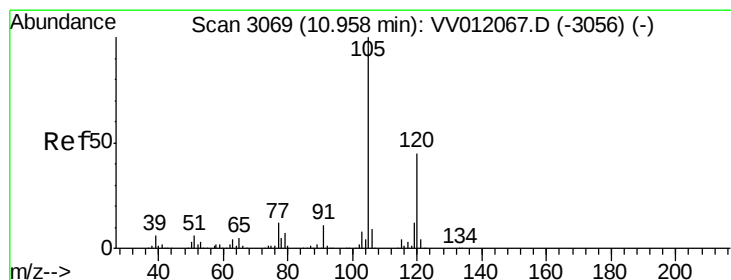
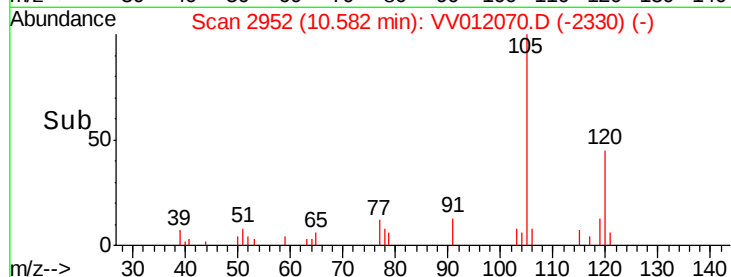
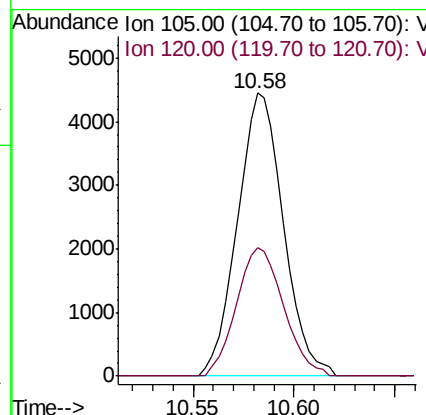
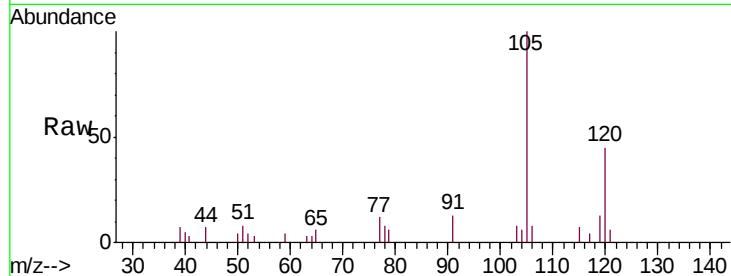




#62
 1,3,5-Trimethylbenzene
 Concen: 0.232 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

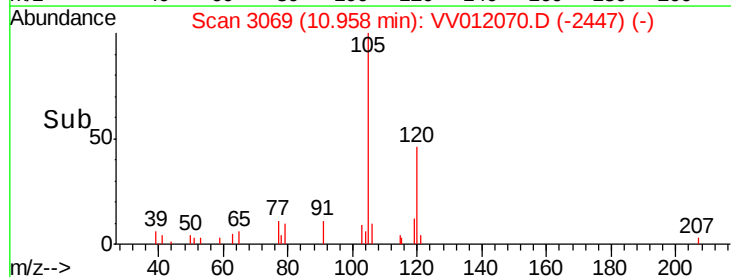
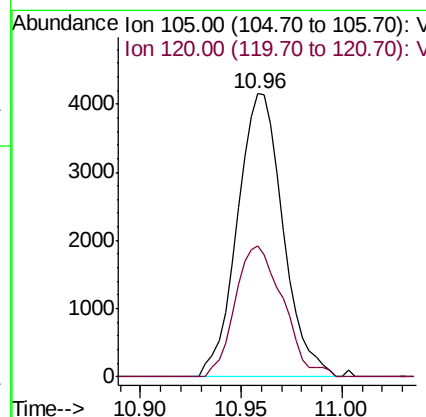
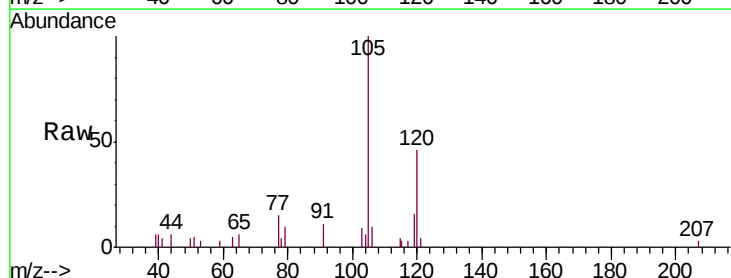
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

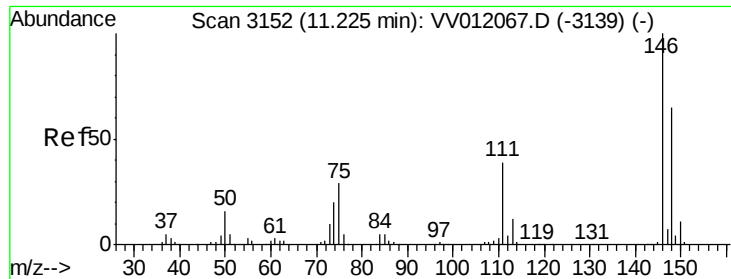
Tgt Ion:105 Resp: 7099
 Ion Ratio Lower Upper
 105 100
 120 46.5 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 0.216 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion:105 Resp: 6594
 Ion Ratio Lower Upper
 105 100
 120 48.5 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 0.265 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

MDL04

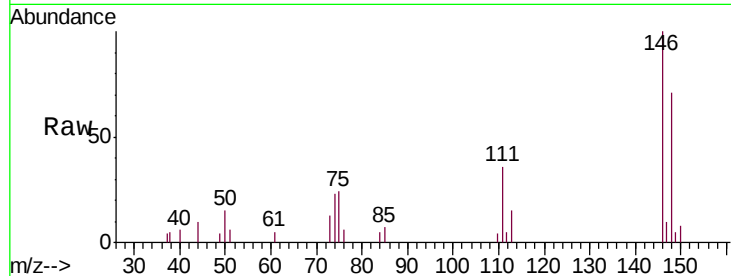
Tgt Ion:146 Resp: 4897

Ion Ratio Lower Upper

146 100

111 40.9 27.2 50.6

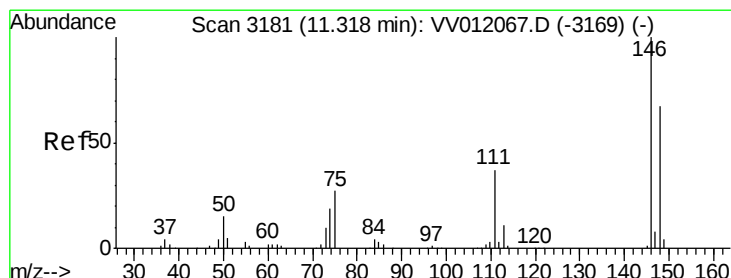
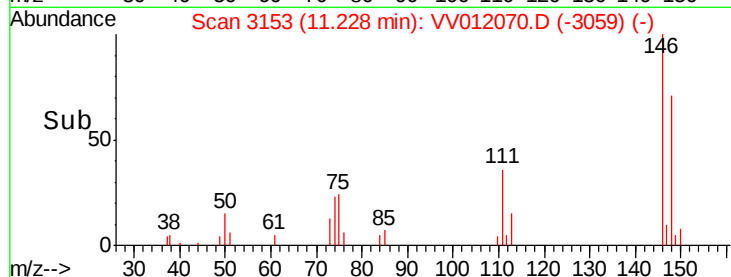
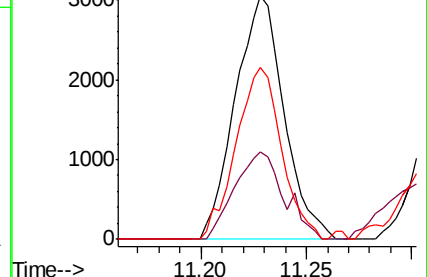
148 70.8 44.5 82.7



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: 0.271 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV012070.D

Acq: 30 Jul 2019 12:04

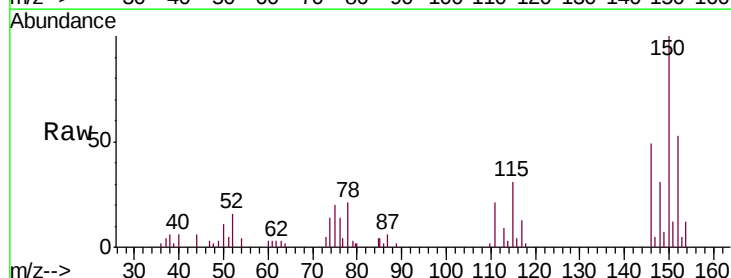
Tgt Ion:146 Resp: 5109

Ion Ratio Lower Upper

146 100

111 42.0 25.8 48.0

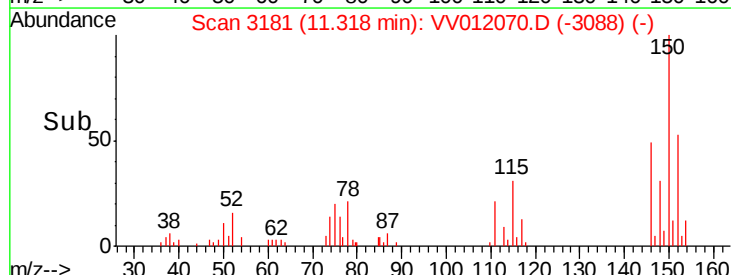
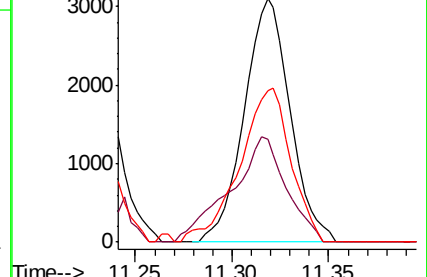
148 62.4 43.8 81.3

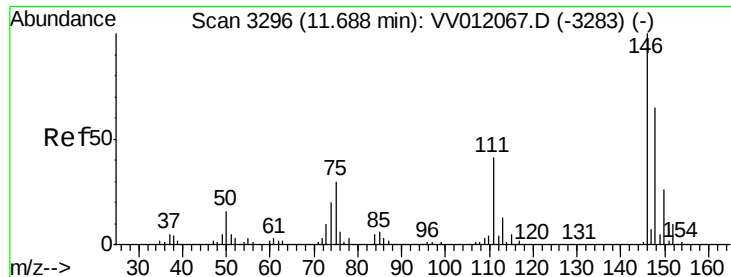


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

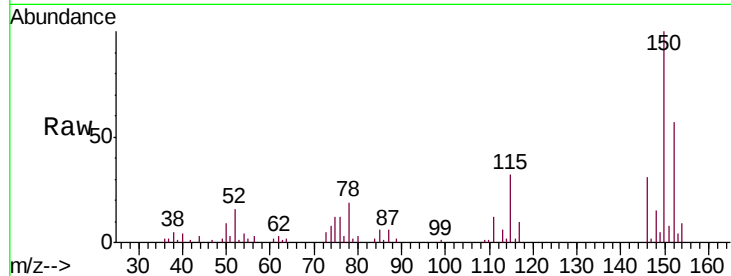




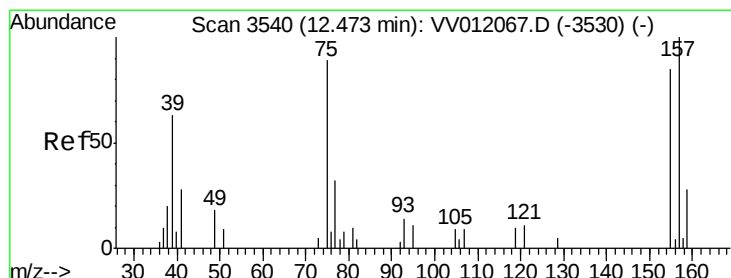
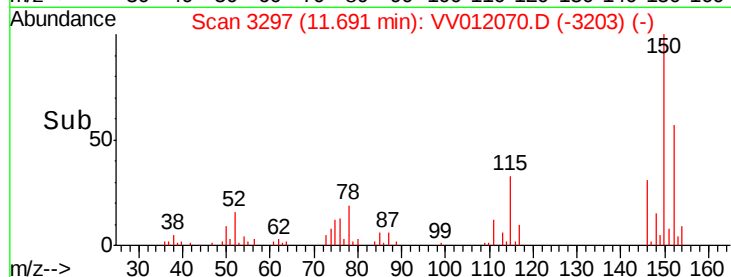
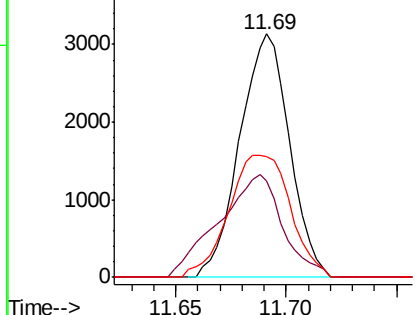
#67
 1,2-Dichlorobenzene
 Concen: 0.293 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tgt Ion: 146 Resp: 4918
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.4 48.6
 148 49.8 49.4 74.0

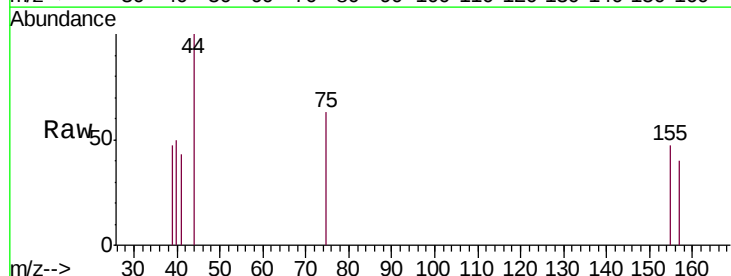


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

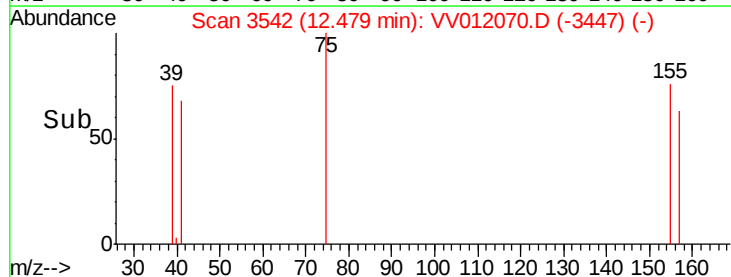
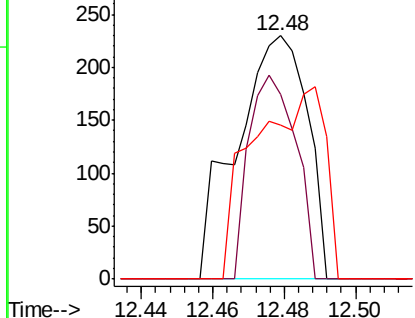


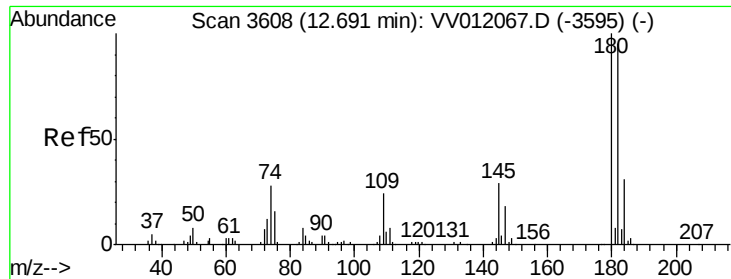
#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.362 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion: 75 Resp: 316
 Ion Ratio Lower Upper
 75 100
 155 75.7 75.0 112.6
 157 63.0 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

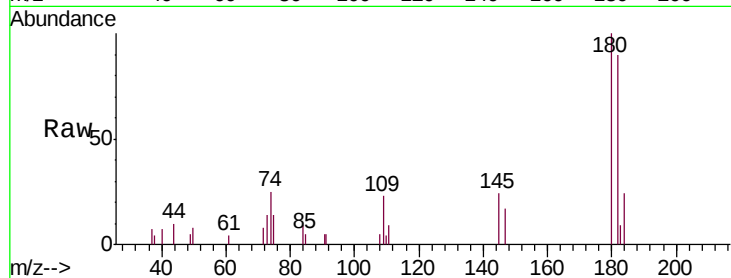




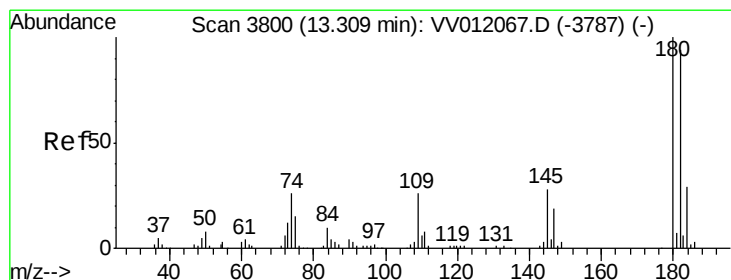
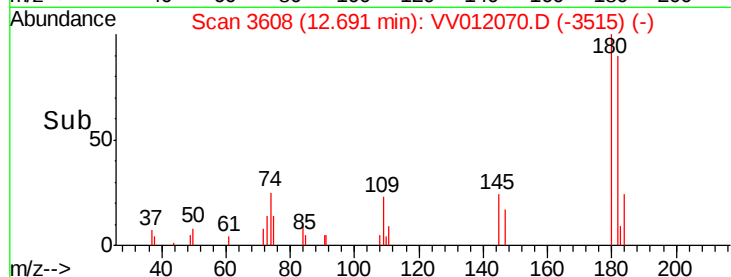
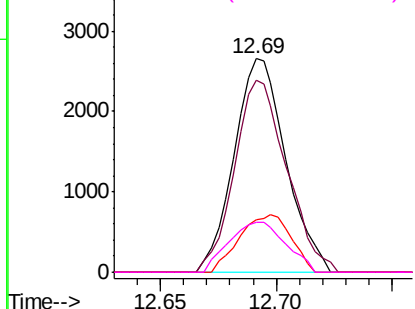
#69
 1,3,5-Trichlorobenzene
 Concen: 0.269 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:	180	Resp:	4113
Ion	Ratio	Lower	Upper
180	100		
182	90.8	77.1	115.7
184	26.8	24.6	36.8
145	25.8	22.8	34.2

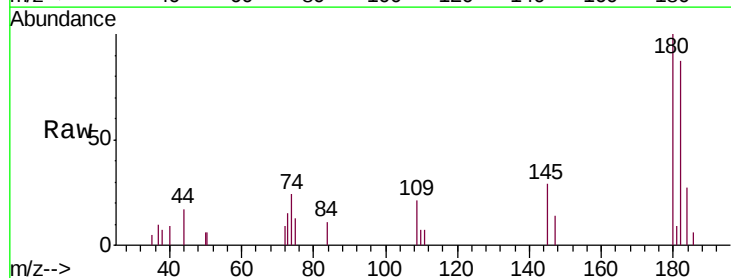


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

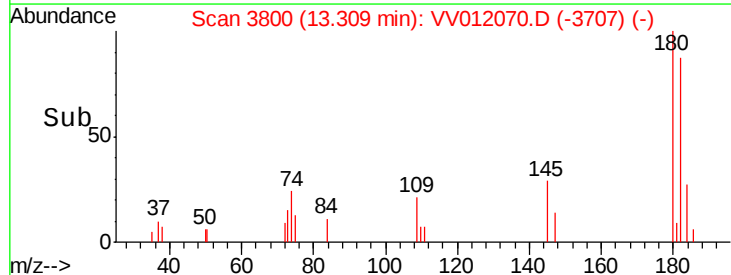
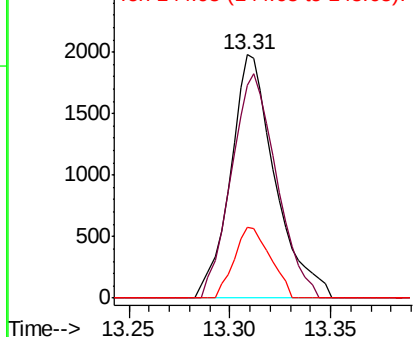


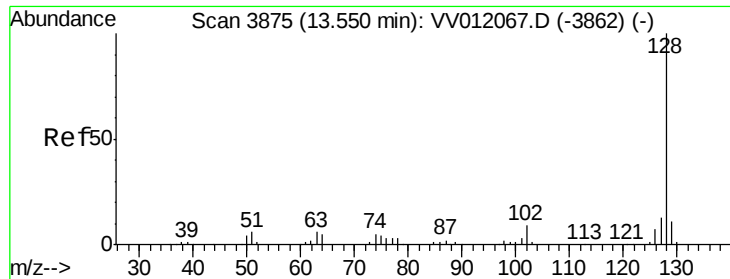
#70
 1,2,4-trichlorobenzene
 Concen: 0.253 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012070.D
 Acq: 30 Jul 2019 12:04

Tgt Ion:	180	Resp:	3057
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.1	114.1
145	23.7	24.3	36.5#



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

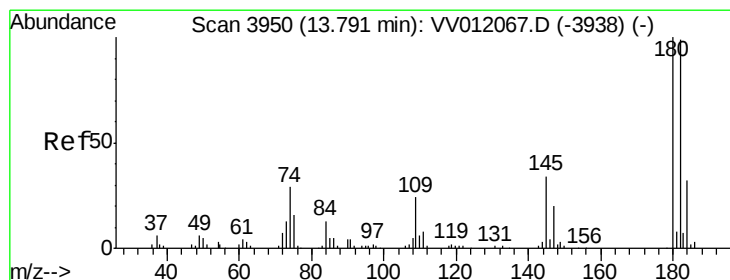
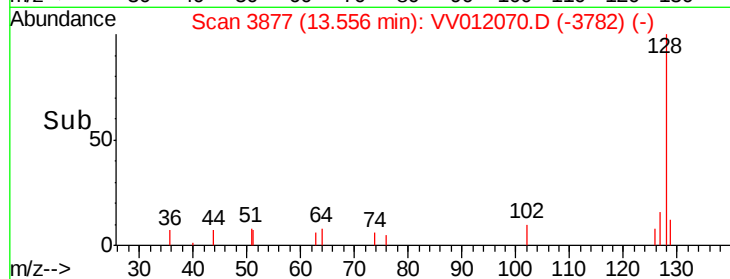
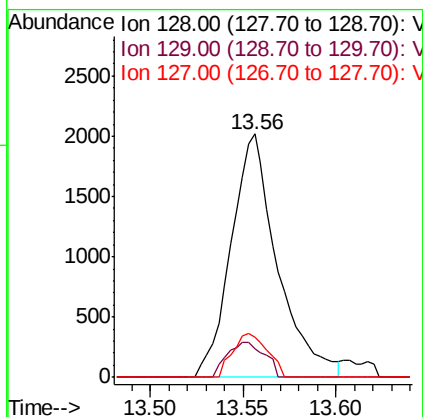
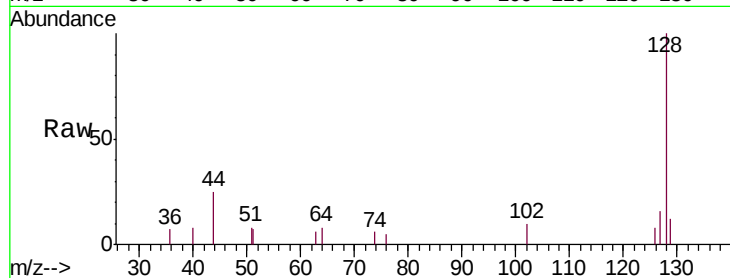




#71
Naphthalene
Concen: 0.208 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.01 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion:128 Resp: 3491
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.5 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.249 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012070.D
Acq: 30 Jul 2019 12:04

Tgt Ion:180 Resp: 2669
Ion Ratio Lower Upper
180 100
182 90.5 78.5 117.7
145 31.2 25.8 38.8

