

Data File : VV012096.D
Acq On : 02 Aug 2019 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Quant Time: Aug 02 23:57:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153746	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144807	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	78348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33089	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	26130	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.13	63	51795	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.96	46	79094	40.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.04%
24) Chloroform-d	4.40	84	86511	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.08	65	46739	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.10	84	162987	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.12	67	43331	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.36	98	159319	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	20567	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	66412	42.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32228	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
66) 1,2-Dichlorobenzene-d4	11.67	152	65188	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4535	0.259 ug/L	97
3) Chloromethane	1.25	50	2409	0.240 ug/L	86
5) Vinyl chloride	1.32	62	2445	0.238 ug/L #	81
6) Bromomethane	1.54	94	1230	0.201 ug/L	97
8) Chloroethane	1.60	64	1385	0.248 ug/L	96
9) Trichlorofluoromethane	1.77	101	4761	0.271 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2745	0.360 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	2275	0.322 ug/L #	1
13) Acetone	2.22	43	3807	3.500 ug/L	93
14) Carbon disulfide	2.32	76	5212	0.264 ug/L #	93
15) Methyl Acetate	2.46	43	803	0.359 ug/L #	80
16) Methylene chloride	2.53	84	3178	0.439 ug/L	81
17) Methyl tert-butyl Ether	2.80	73	6112	0.275 ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	2744	0.270 ug/L	93
19) 1,1-Dichloroethane	3.23	63	5024	0.276 ug/L	89
21) 2-Butanone	4.05	43	3299	1.537 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	2924	0.270 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	596	0.125	ug/L	92
25) Chloroform	4.42	83	8681	0.380	ug/L	96
27) 1,2-Dichloroethane	5.19	62	3932	0.312	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	5394	0.301	ug/L	95
30) Cyclohexane	4.72	56	3770	0.246	ug/L #	86
31) Carbon tetrachloride	4.87	117	5137	0.319	ug/L	96
33) Benzene	5.14	78	10744	0.273	ug/L	100
34) Trichloroethene	5.96	95	3086	0.275	ug/L	95
35) Methylcyclohexane	6.17	83	4669	0.266	ug/L	97
37) 1,2-Dichloropropane	6.23	63	2350	0.258	ug/L #	91
38) Bromodichloromethane	6.55	83	4093	0.319	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	4018	0.282	ug/L #	81
40) 4-Methyl-2-pentanone	7.28	43	12697	2.473	ug/L #	86
42) Toluene	7.43	91	12261	0.280	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	3525	0.306	ug/L #	77
45) 1,1,2-Trichloroethane	7.88	97	1780	0.256	ug/L #	64
47) Tetrachloroethene	8.02	164	3006	0.307	ug/L	95
48) 2-Hexanone	8.19	43	9606	2.648	ug/L	94
49) Dibromochloromethane	8.29	129	2531	0.297	ug/L	89
50) 1,2-Dibromoethane	8.40	107	1928	0.297	ug/L #	95
51) Chlorobenzene	8.92	112	8055	0.275	ug/L	95
52) Ethylbenzene	9.05	91	13267	0.266	ug/L	98
53) m,p-xylene	9.18	106	4917	0.259	ug/L	96
54) o-xylene	9.59	106	4944	0.275	ug/L	98
55) Styrene	9.60	104	7376	0.243	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.29	83	2372	0.318	ug/L	99
59) Bromoform	9.77	173	1433	0.303	ug/L #	88
60) Isopropylbenzene	9.97	105	13023	0.260	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1636	0.286	ug/L	94
62) 1,3,5-Trimethylbenzene	10.58	105	11609	0.281	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	10312	0.251	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	6883	0.276	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	7396	0.291	ug/L	95
67) 1,2-Dichlorobenzene	11.69	146	6789	0.300	ug/L	91
68) 1,2-Dibromo-3-chloropropan	12.47	75	333	0.283	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.69	180	6464	0.313	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	4657	0.285	ug/L	97
71) Naphthalene	13.55	128	6237	0.275	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	4545	0.314	ug/L	92

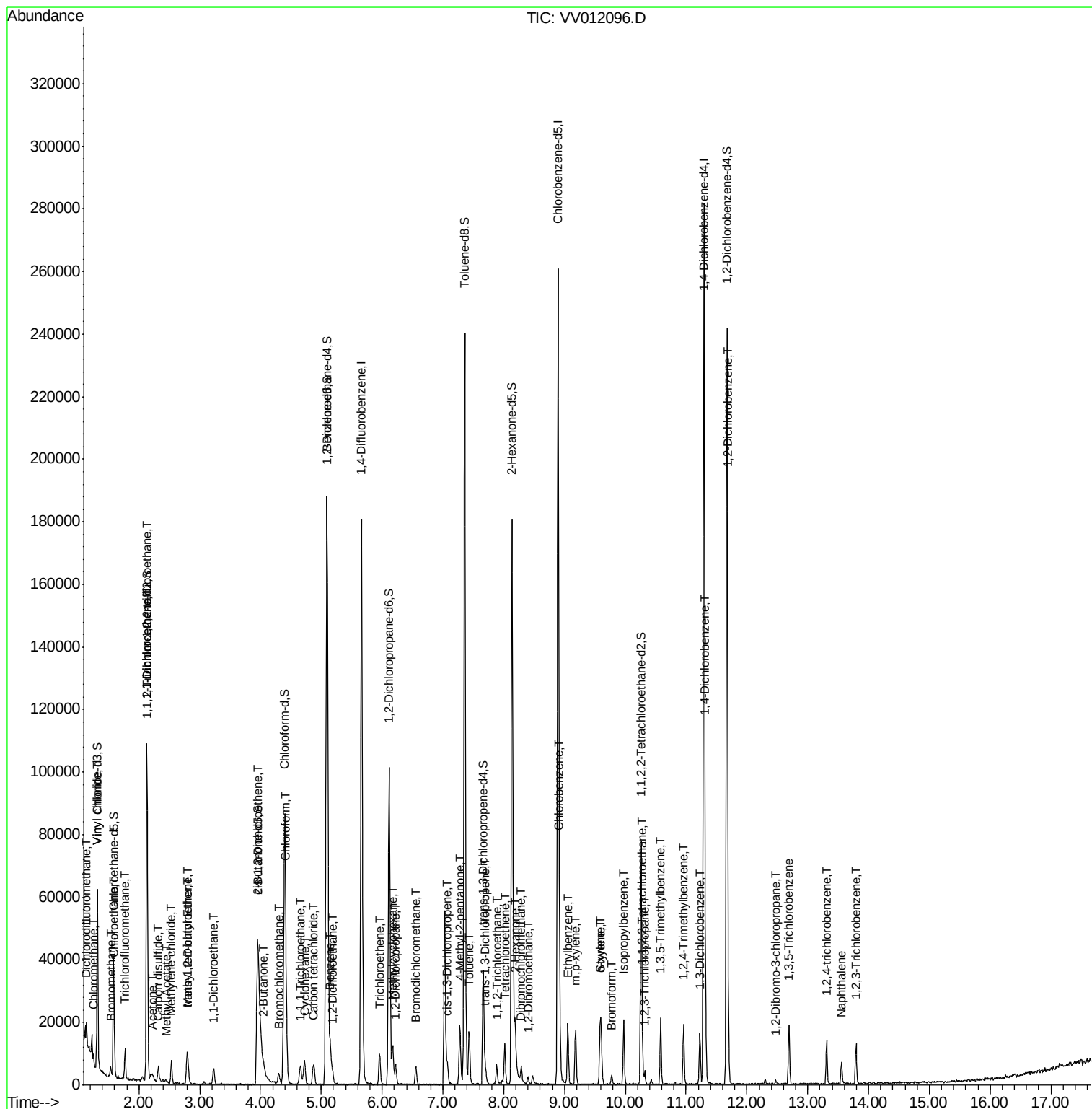
(#) = qualifier out of range (m) = manual integration (+) = signals summed

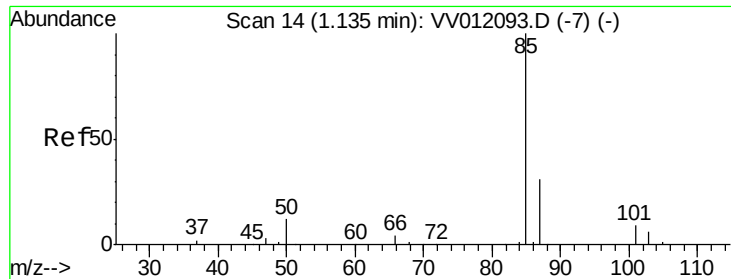
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#2

Dichlorodifluoromethane

Concen: 0.259 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

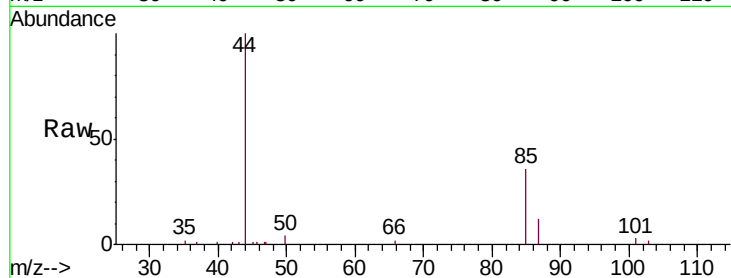
MDL07

Tgt Ion: 85 Resp: 4535

Ion Ratio Lower Upper

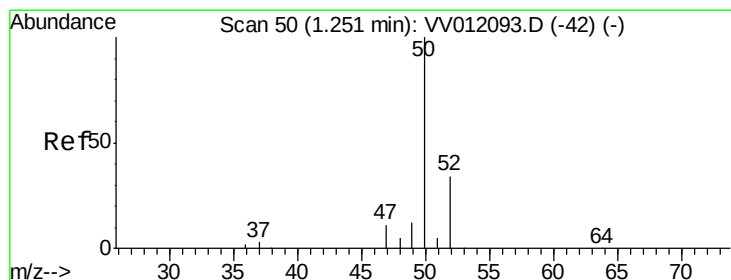
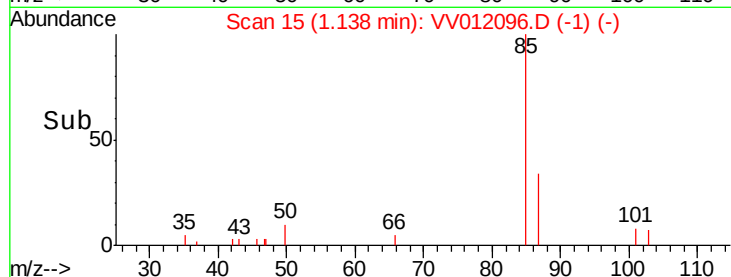
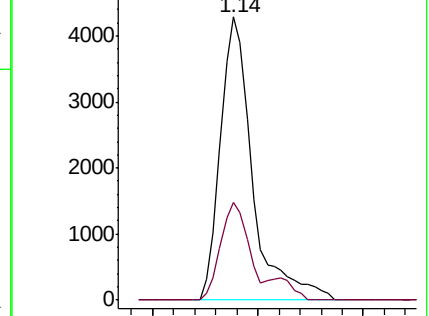
85 100

87 30.9 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: 0.240 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012096.D

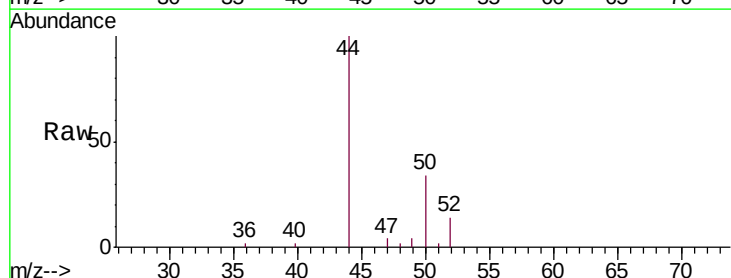
Acq: 02 Aug 2019 11:57

Tgt Ion: 50 Resp: 2409

Ion Ratio Lower Upper

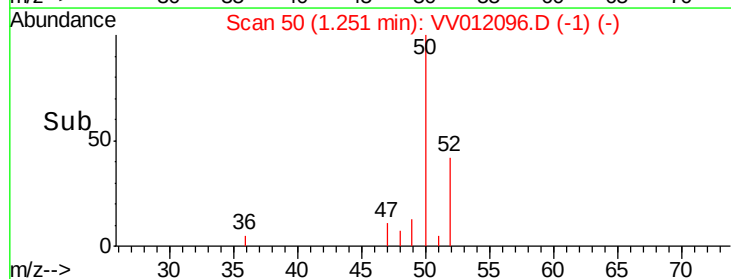
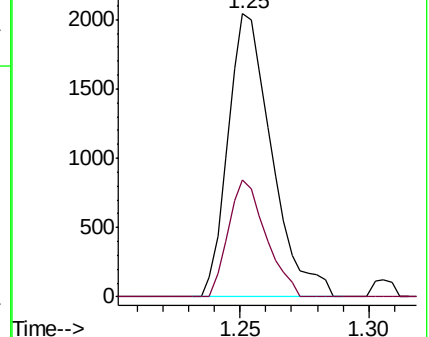
50 100

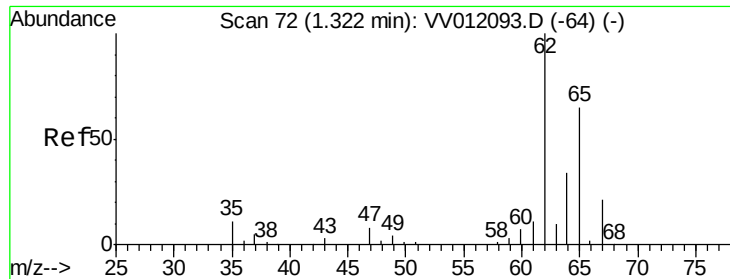
52 41.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

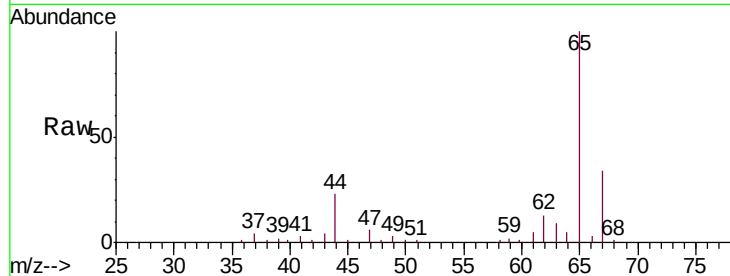
MDL07

Tgt Ion: 62 Resp: 2445

Ion Ratio Lower Upper

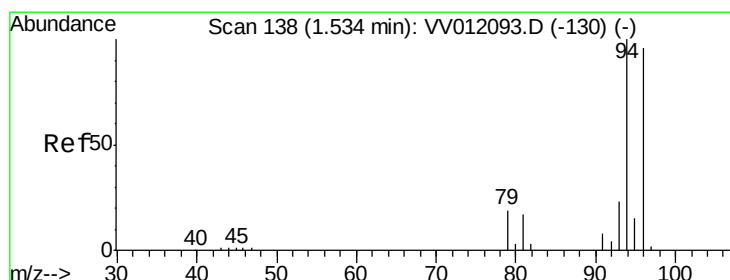
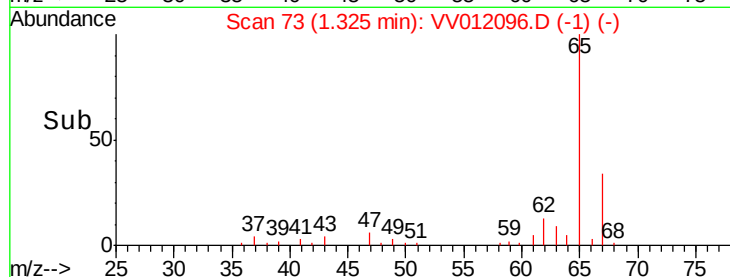
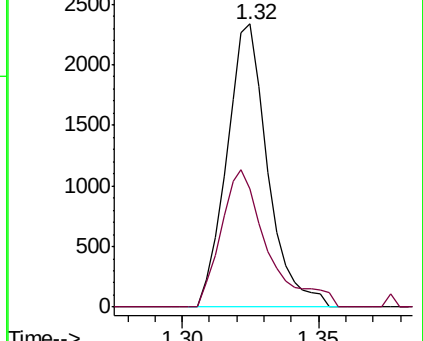
62 100

64 41.8 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: 0.201 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012096.D

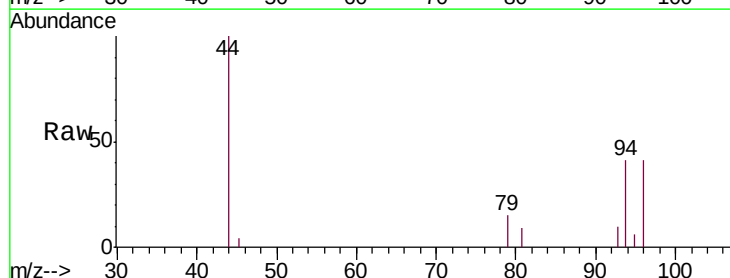
Acq: 02 Aug 2019 11:57

Tgt Ion: 94 Resp: 1230

Ion Ratio Lower Upper

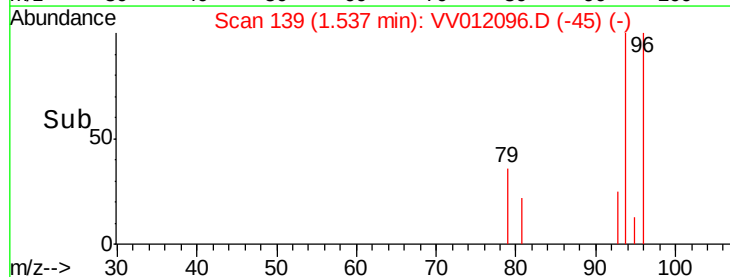
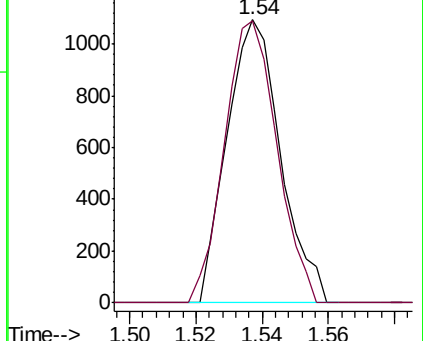
94 100

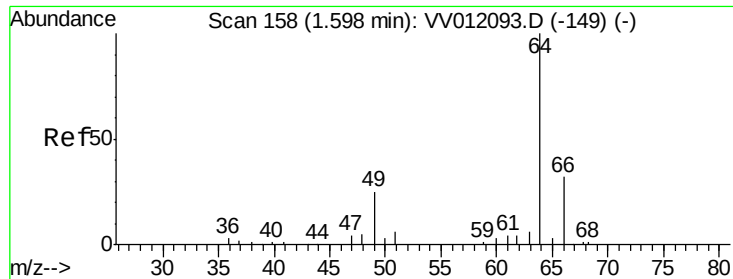
96 99.5 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

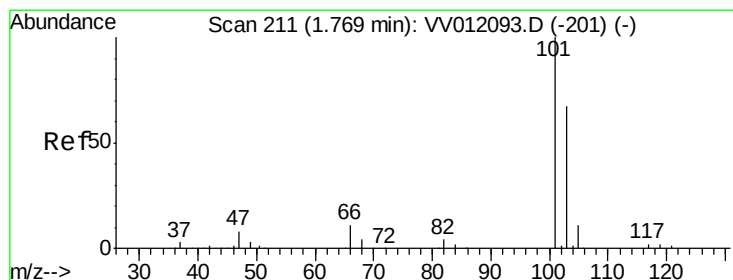
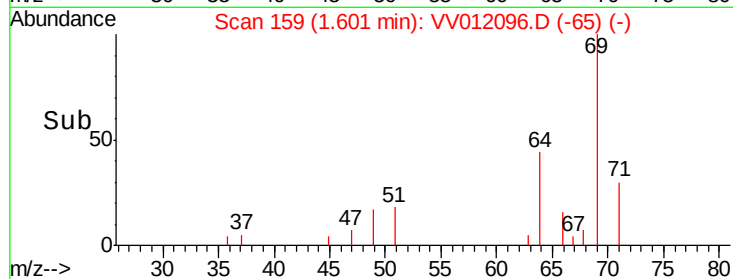
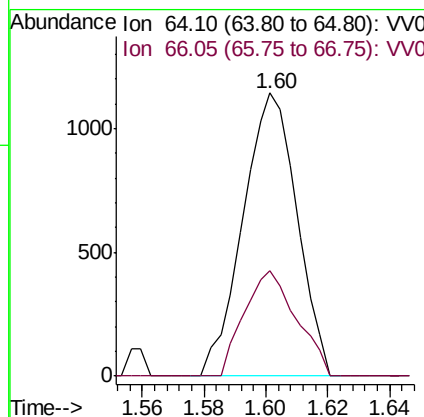
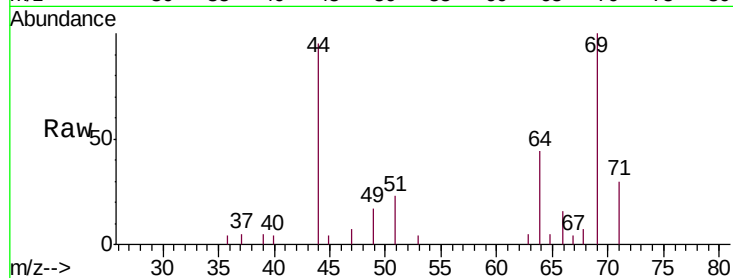




#8
 Chloroethane
 Concen: 0.248 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

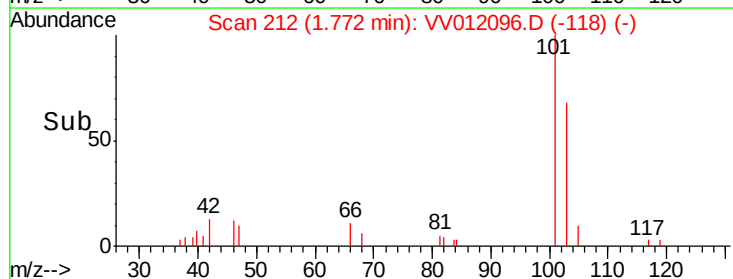
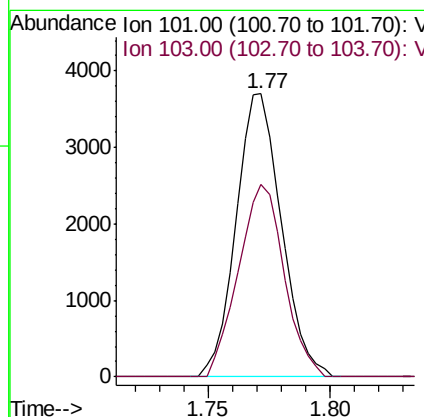
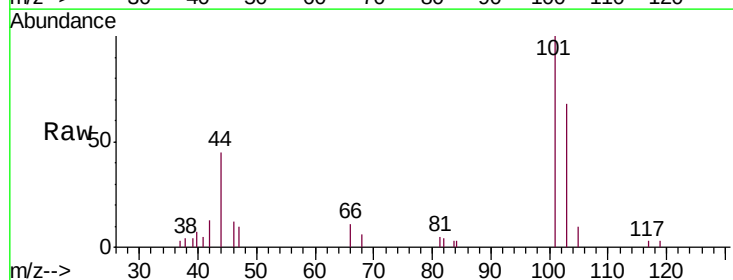
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

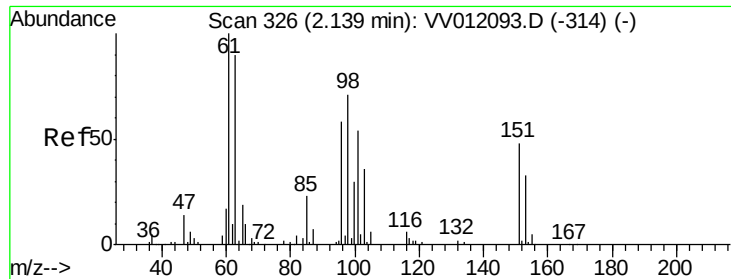
Tgt Ion: 64 Resp: 1385
 Ion Ratio Lower Upper
 64 100
 66 33.4 21.7 40.3



#9
 Trichlorofluoromethane
 Concen: 0.271 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 101 Resp: 4761
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.6 79.0





#10

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

Concen: 0.360 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

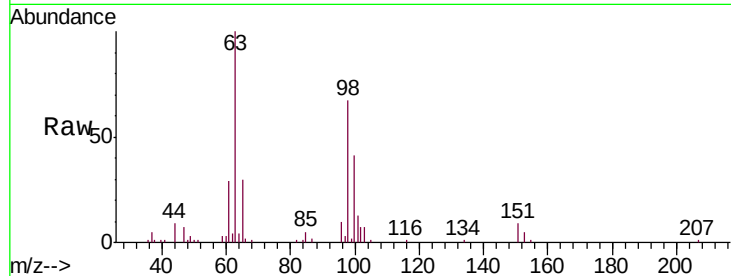
Tgt Ion:101 Resp: 2745

Ion Ratio Lower Upper

101 100

85 35.6 37.8 56.8#

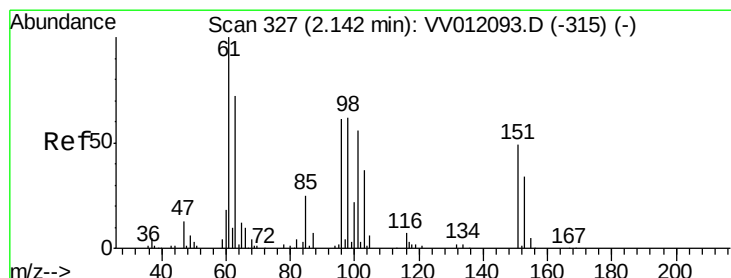
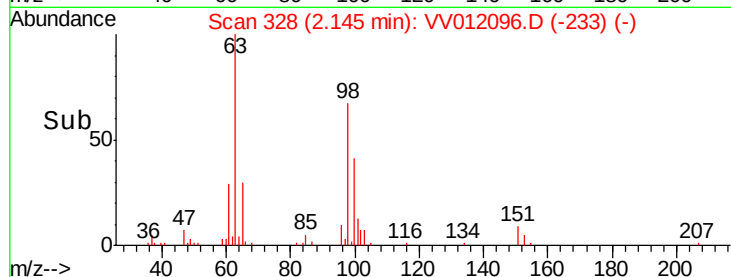
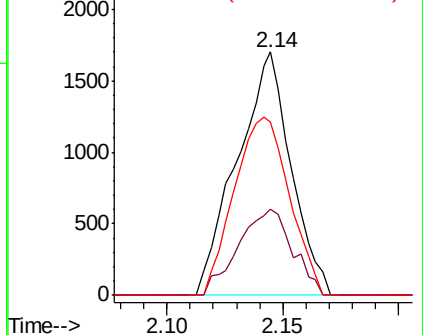
151 74.8 71.4 107.2



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: 0.322 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

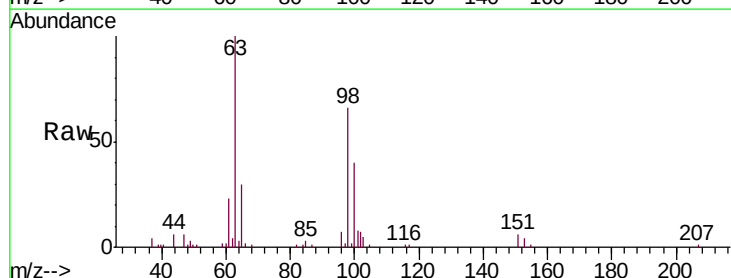
Tgt Ion: 96 Resp: 2275

Ion Ratio Lower Upper

96 100

61 346.6 127.8 237.4#

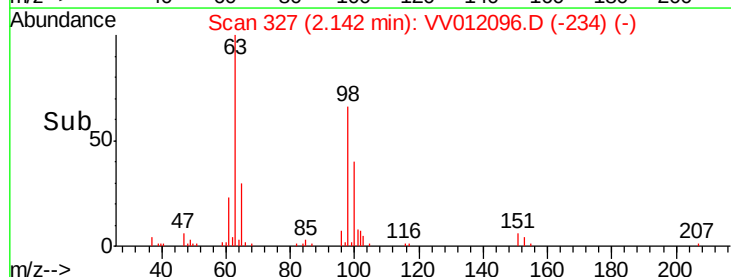
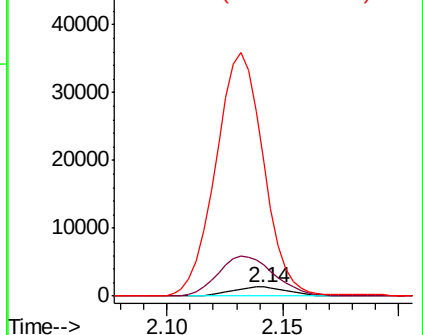
63 1481.9 92.7 172.3#

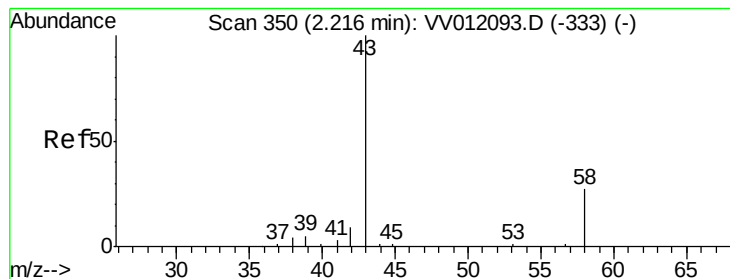


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.500 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

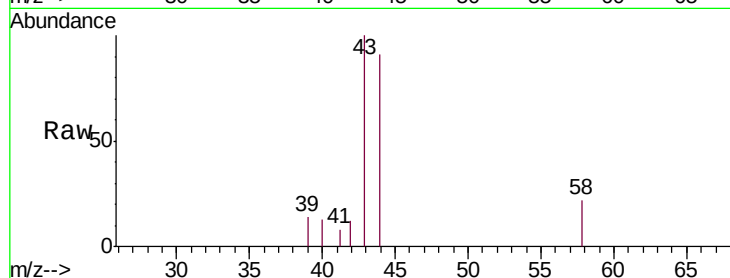
MDL07

Tgt Ion: 43 Resp: 3807

Ion Ratio Lower Upper

43 100

58 22.2 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV012093.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV012093.D (-333) (-)

2.22

1500

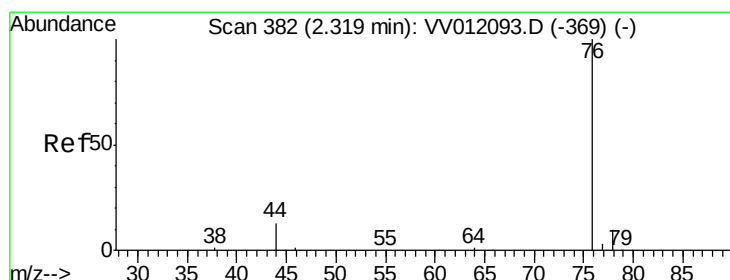
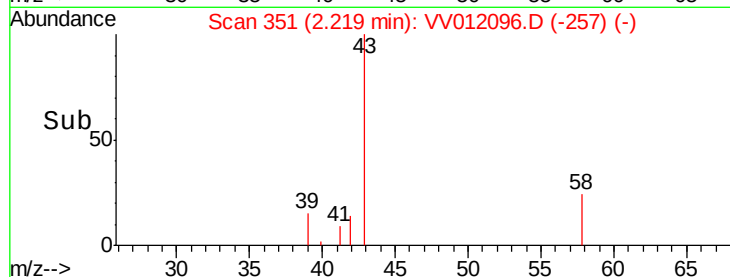
1000

500

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 0.264 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012096.D

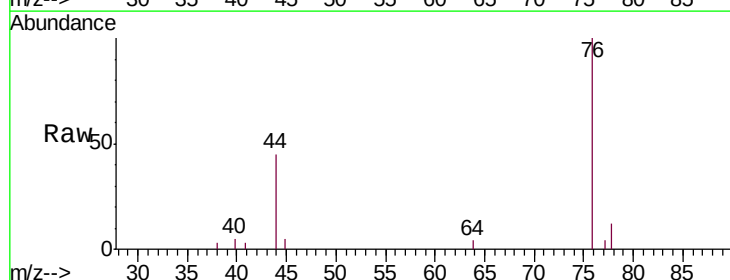
Acq: 02 Aug 2019 11:57

Tgt Ion: 76 Resp: 5212

Ion Ratio Lower Upper

76 100

78 11.6 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV012093.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012093.D (-369) (-)

2.32

4000

3000

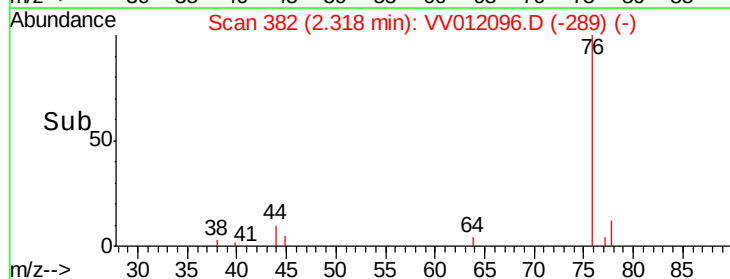
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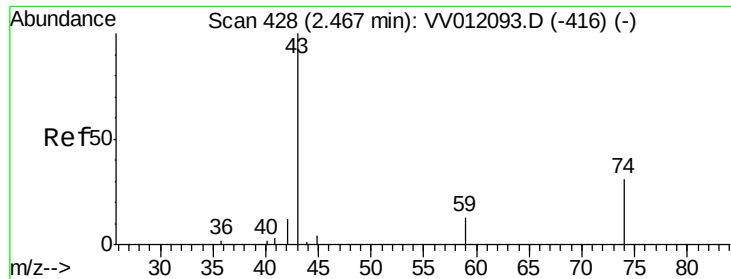
1000

0

2.30 2.35

Time-->

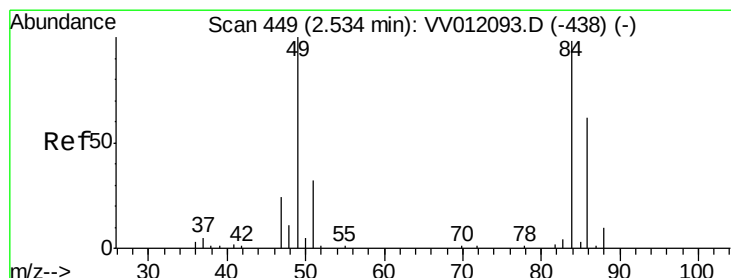
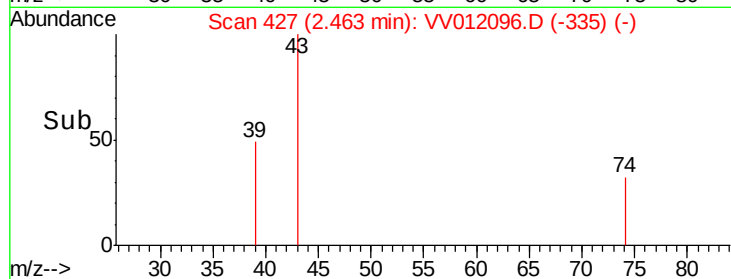
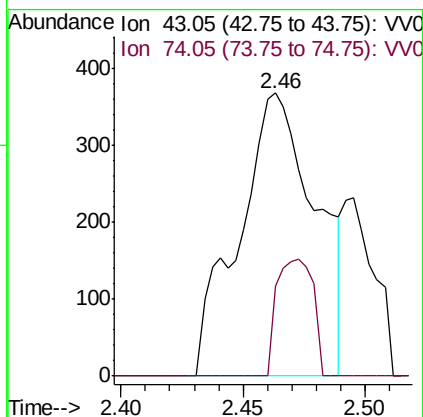
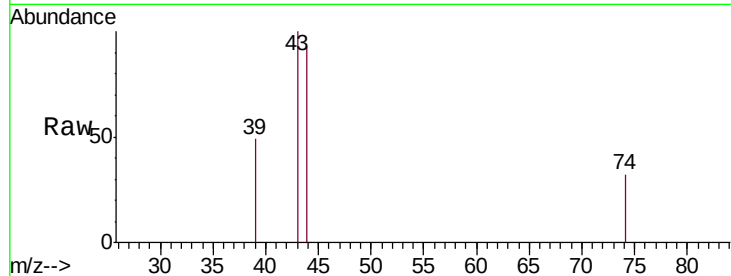




#15
Methyl Acetate
Concen: 0.359 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

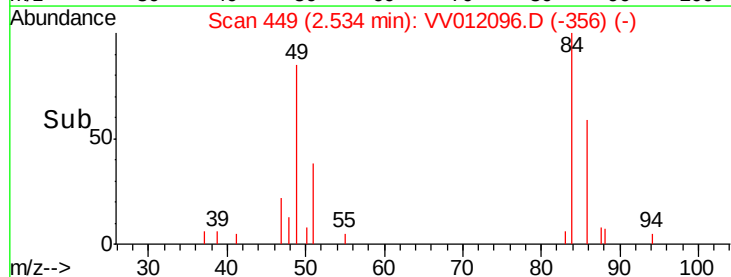
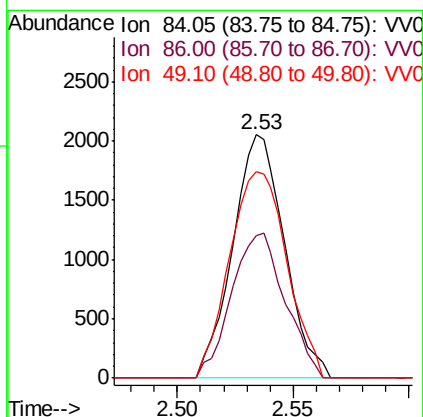
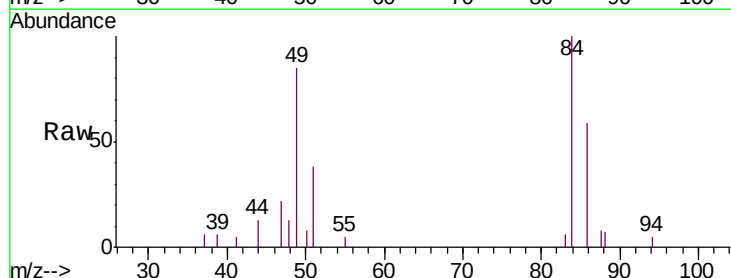
Instrument :
MSVOA_V
ClientSampled :
MDL07

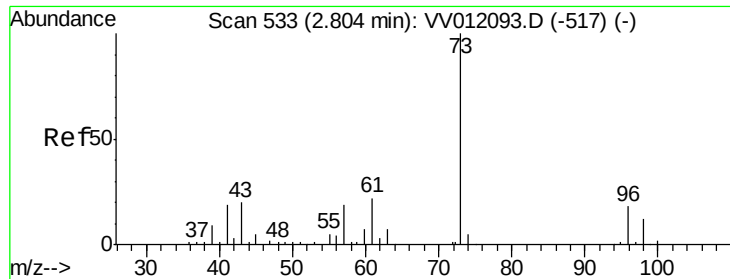
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
74 19.8 24.4 36.6#



#16
Methylene chloride
Concen: 0.439 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion: 84 Resp: 3178
Ion Ratio Lower Upper
84 100
86 58.8 44.9 83.3
49 84.9 78.6 146.0





#17

Methyl tert-butyl Ether

Concen: 0.275 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

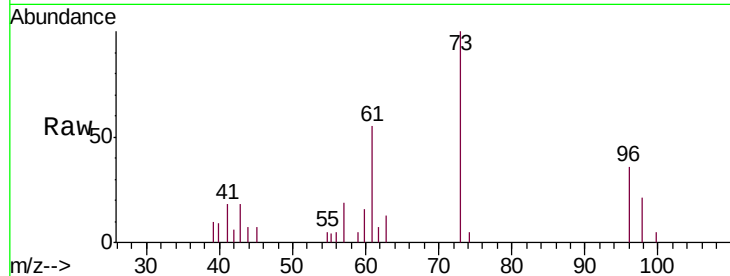
Tgt Ion: 73 Resp: 6112

Ion Ratio Lower Upper

73 100

43 15.2 17.6 26.4#

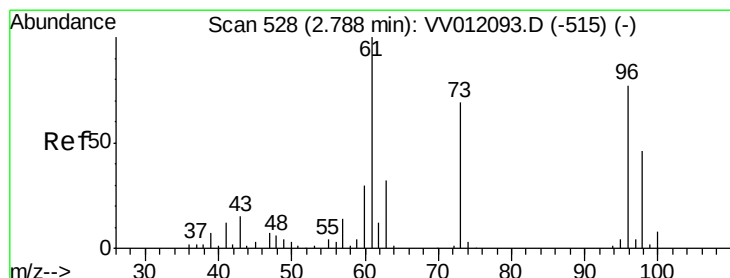
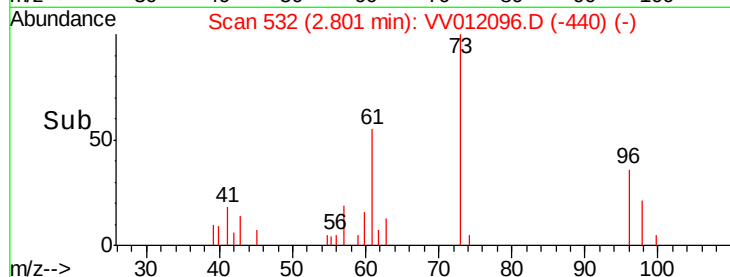
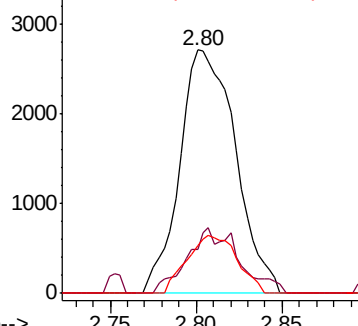
57 21.3 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012093.D (-517) (-)

Ion 43.05 (42.75 to 43.75): VV012093.D (-517) (-)

Ion 57.10 (56.80 to 57.80): VV012093.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.270 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

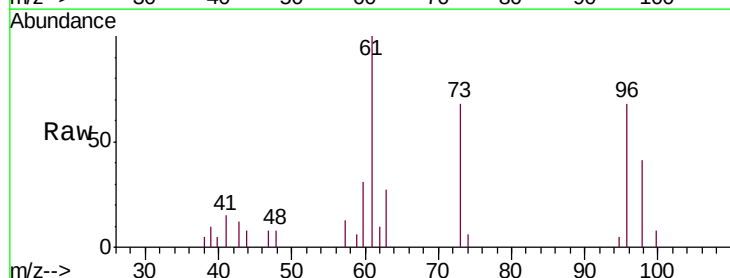
Tgt Ion: 96 Resp: 2744

Ion Ratio Lower Upper

96 100

61 147.4 97.2 180.6

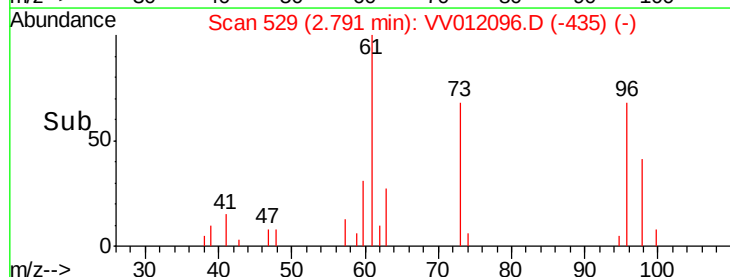
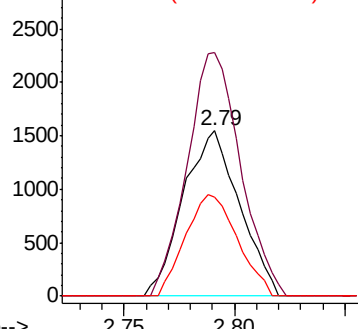
98 60.1 45.0 83.6

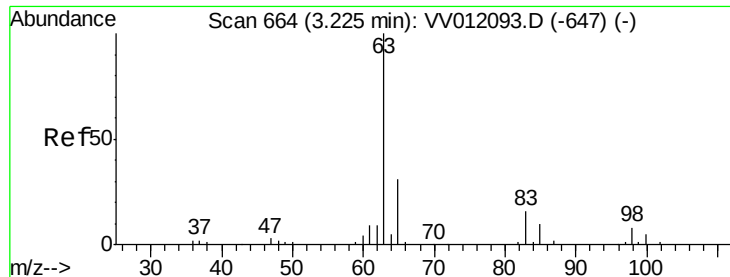


Abundance Ion 96.00 (95.70 to 96.70): VV012093.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012093.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012093.D (-515) (-)

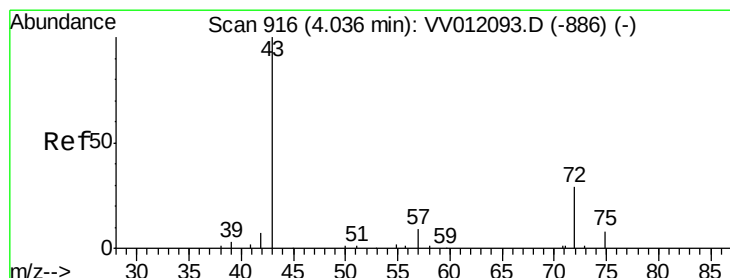
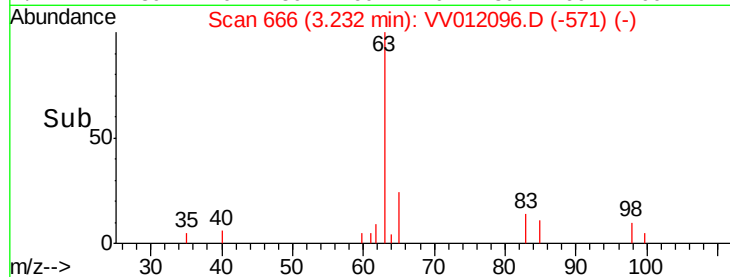
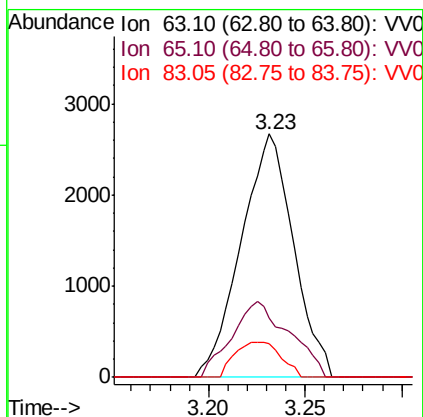
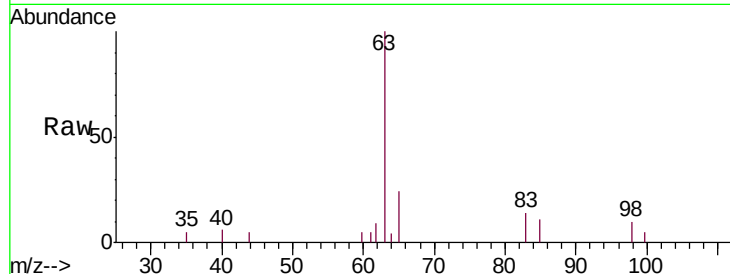




#19
 1,1-Dichloroethane
 Concen: 0.276 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

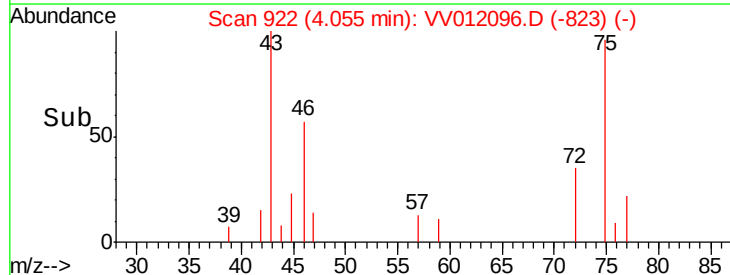
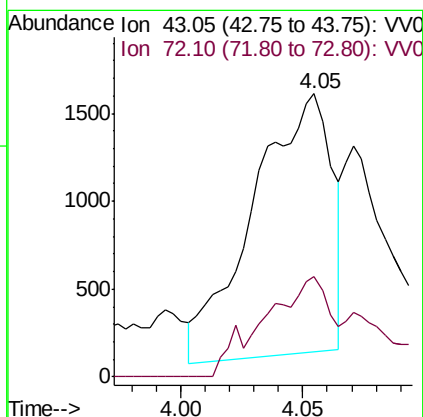
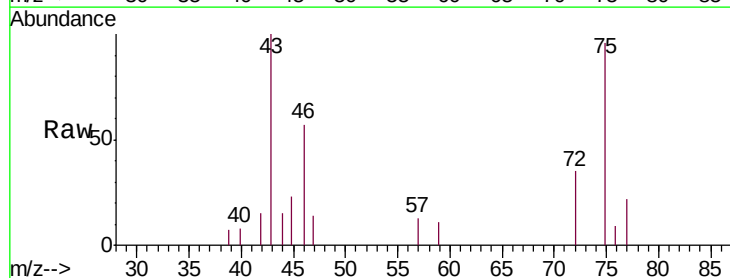
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

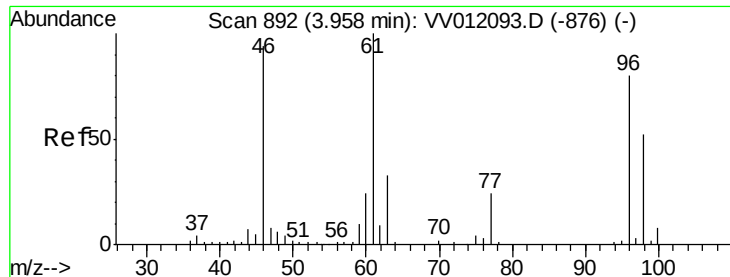
Tgt Ion: 63 Resp: 5024
 Ion Ratio Lower Upper
 63 100
 65 24.1 23.0 42.6
 83 13.7 9.7 17.9



#21
 2-Butanone
 Concen: 1.537 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 43 Resp: 3299
 Ion Ratio Lower Upper
 43 100
 72 28.2 13.4 40.2



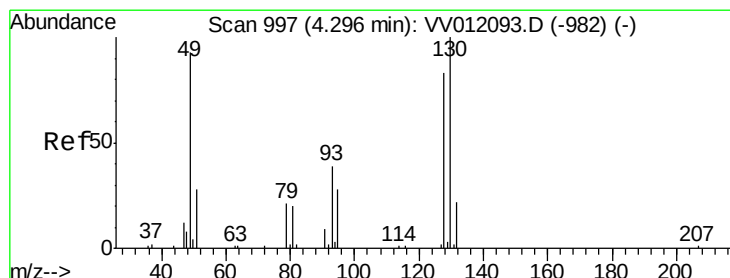
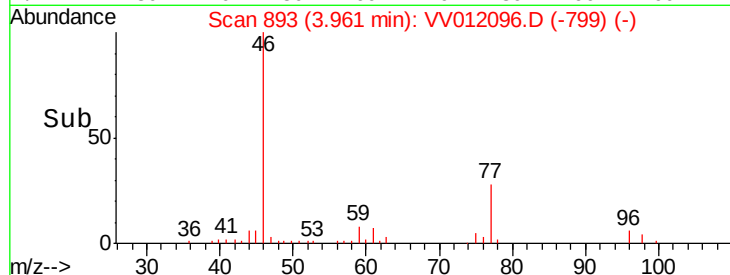
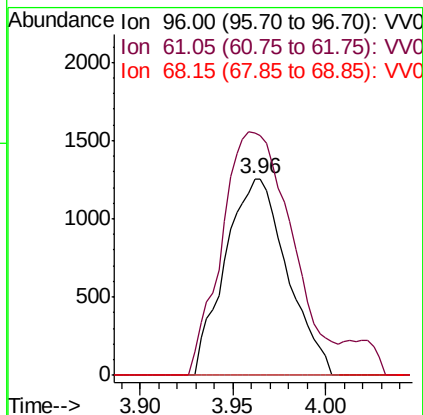
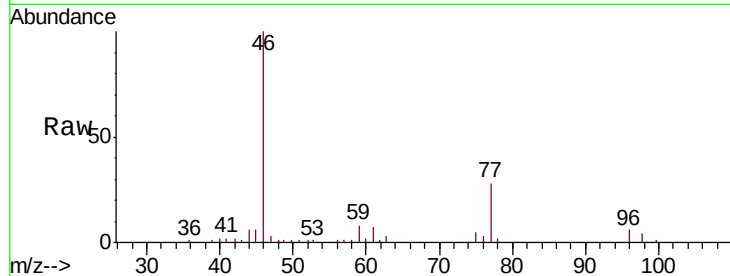


#22

cis-1,2-Dichloroethene
Concen: 0.270 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

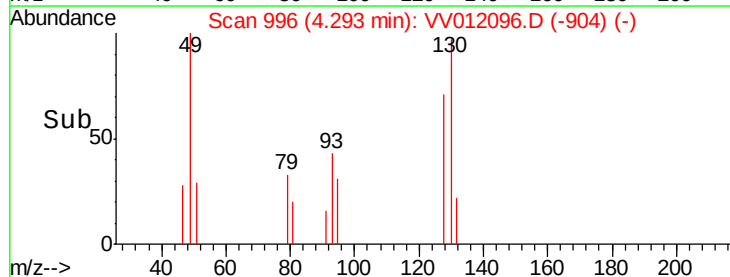
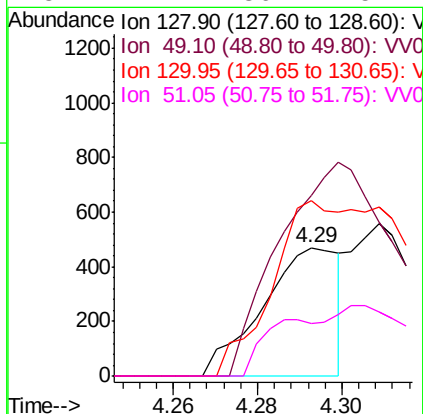
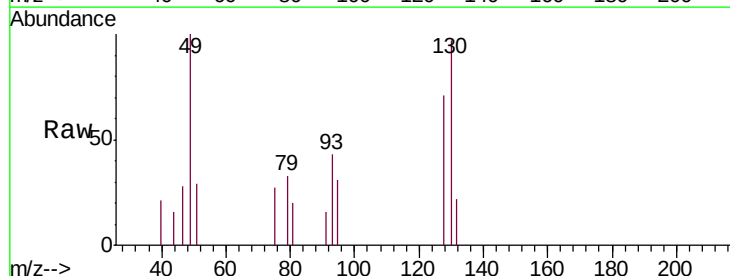
Tgt Ion: 96 Resp: 2924
Ion Ratio Lower Upper
96 100
61 123.4 90.0 167.2
68 0.0 0.0 0.0

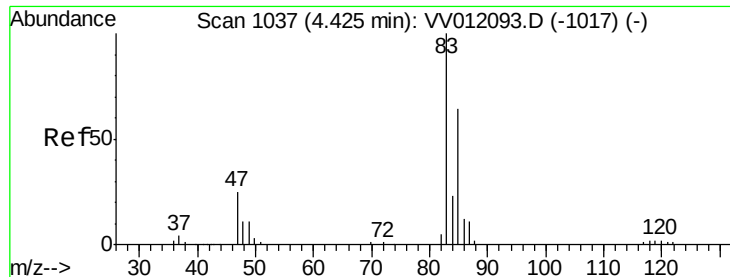


#23

Bromochloromethane
Concen: 0.125 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion: 128 Resp: 596
Ion Ratio Lower Upper
128 100
49 140.9 105.1 195.1
130 137.3 88.9 165.1
51 41.4 36.2 54.2





#25

Chloroform

Concen: 0.380 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

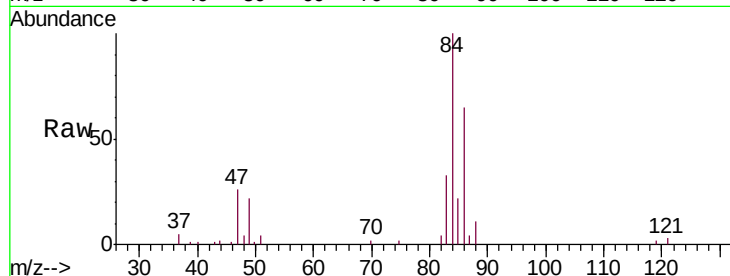
MDL07

Tgt Ion: 83 Resp: 8681

Ion Ratio Lower Upper

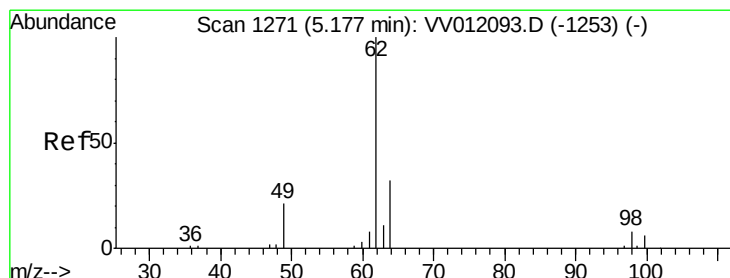
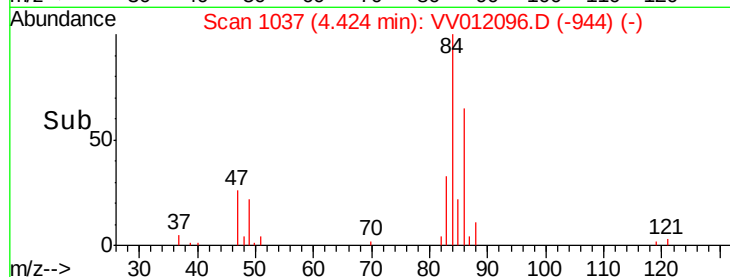
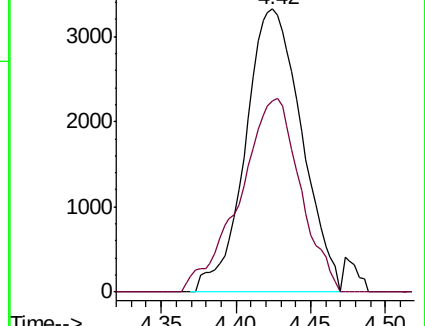
83 100

85 67.6 45.2 84.0



Abundance Ion 83.05 (82.75 to 83.75): VV012093.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV012096.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 0.312 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VV012096.D

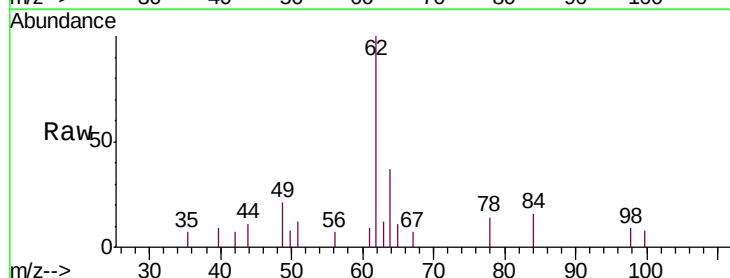
Acq: 02 Aug 2019 11:57

Tgt Ion: 62 Resp: 3932

Ion Ratio Lower Upper

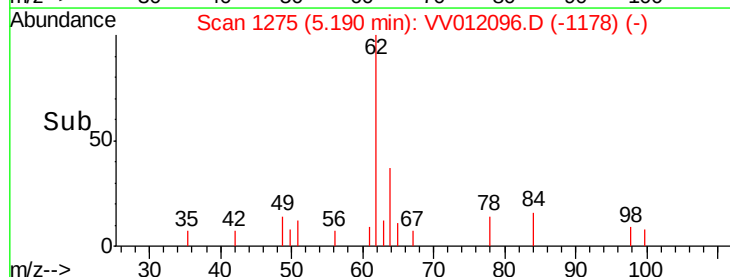
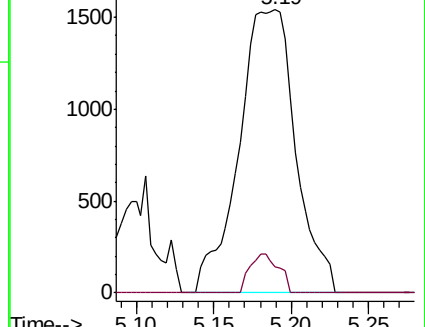
62 100

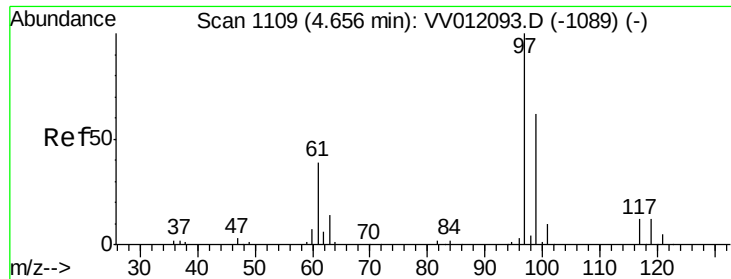
98 9.3 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV012093.D (-1253) (-)

Ion 98.05 (97.75 to 98.75): VV012096.D (-1178) (-)

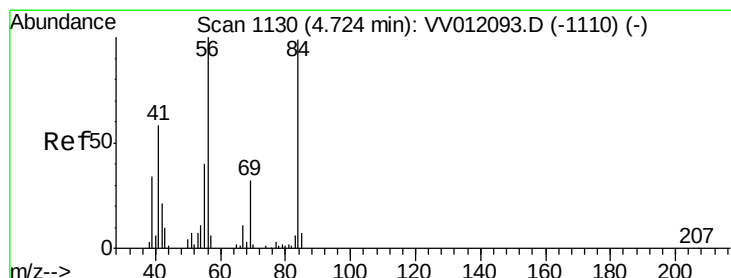
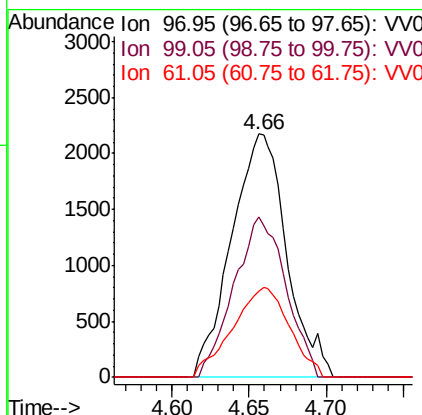
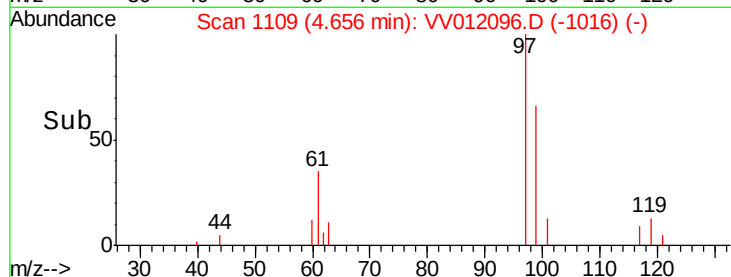
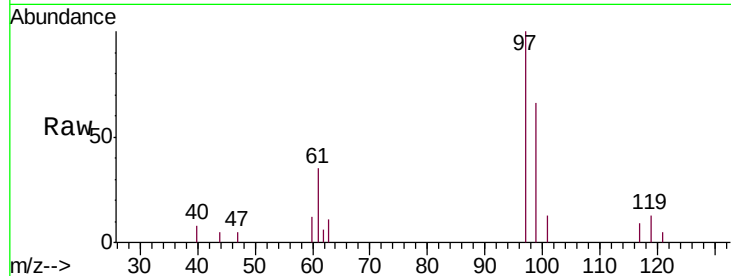




#29
 1,1,1-Trichloroethane
 Concen: 0.301 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

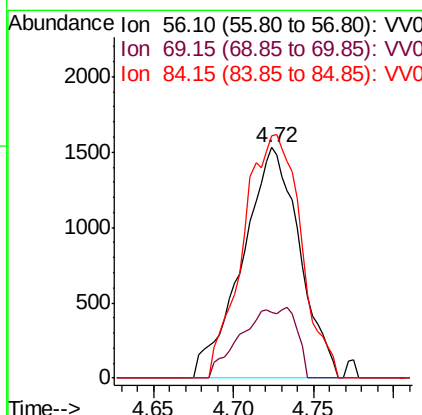
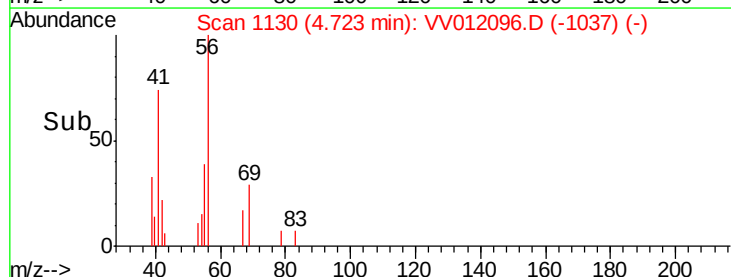
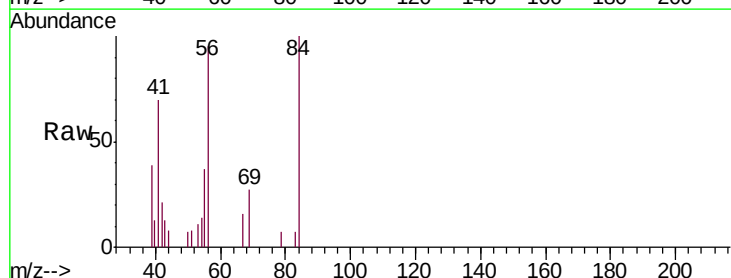
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

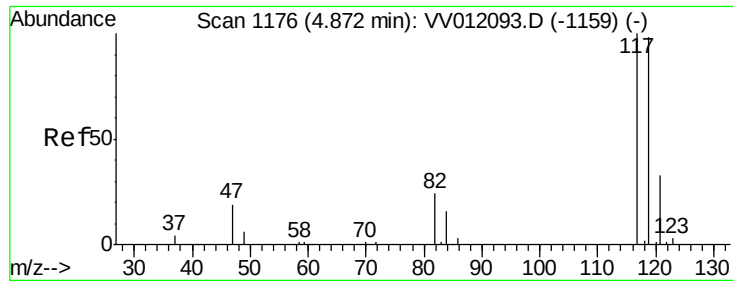
Tgt Ion: 97 Resp: 5394
 Ion Ratio Lower Upper
 97 100
 99 62.0 51.8 77.8
 61 38.2 34.5 51.7



#30
 Cyclohexane
 Concen: 0.246 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 56 Resp: 3770
 Ion Ratio Lower Upper
 56 100
 69 19.8 24.8 37.2#
 84 106.0 75.4 113.2





#31

Carbon tetrachloride

Concen: 0.319 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

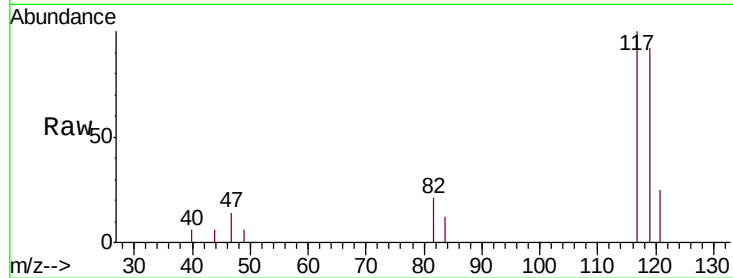
MDL07

Tgt Ion:117 Resp: 5137

Ion Ratio Lower Upper

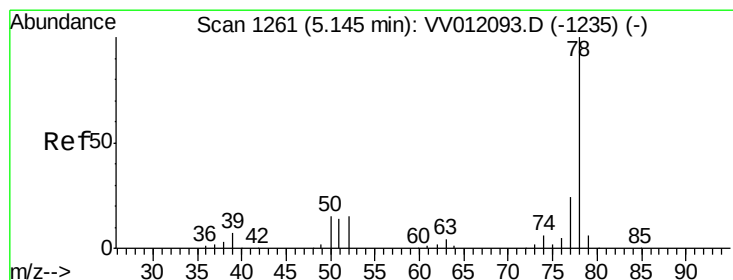
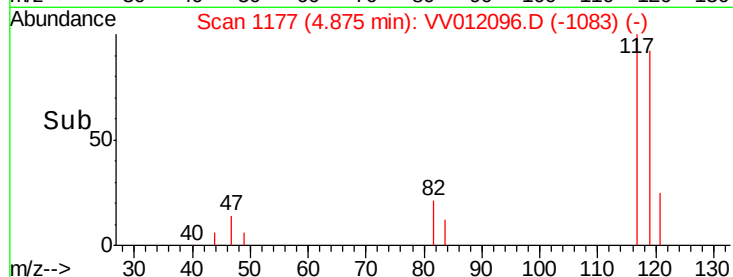
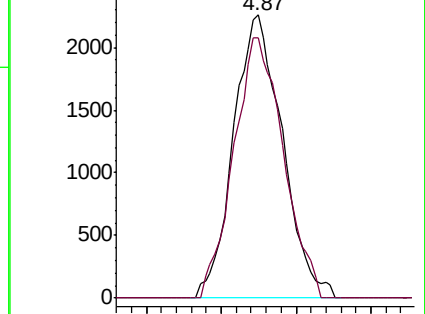
117 100

119 93.3 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: 0.273 ug/L

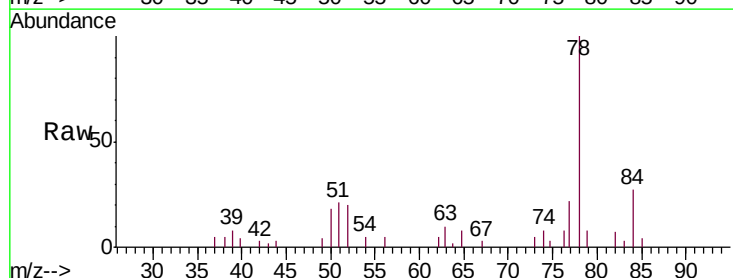
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

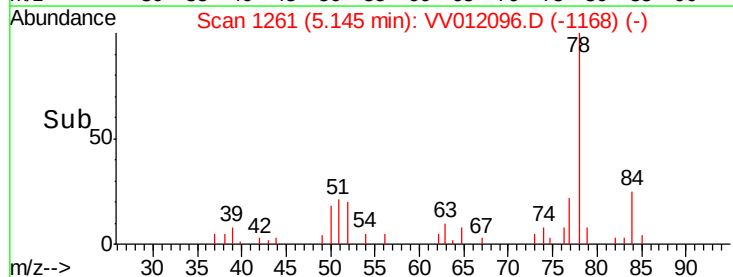
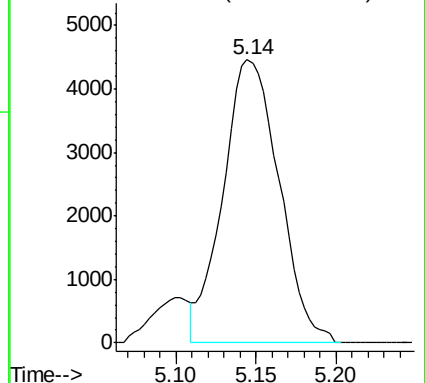
Lab File: VV012096.D

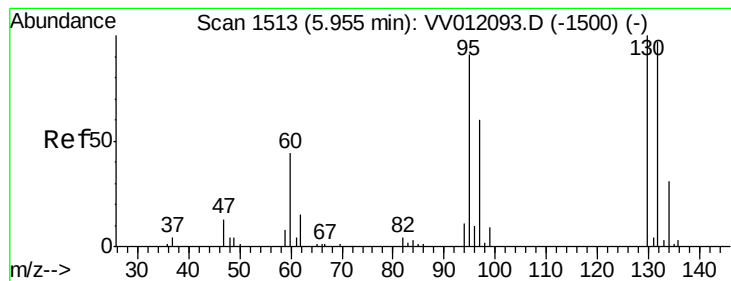
Acq: 02 Aug 2019 11:57

Tgt Ion: 78 Resp: 10744



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.275 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 95 Resp: 3086

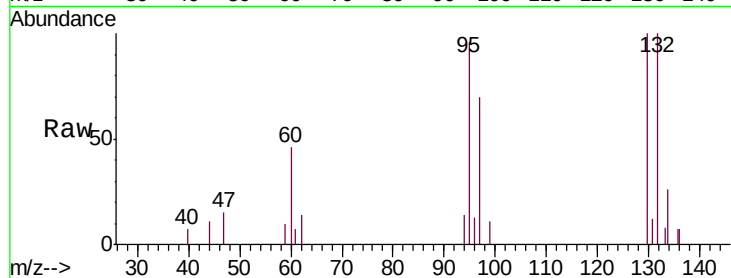
Ion Ratio Lower Upper

95 100

97 73.1 42.8 79.6

132 104.0 70.8 131.6

130 103.5 72.3 134.3



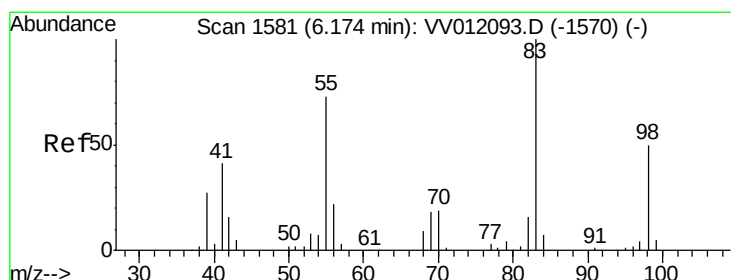
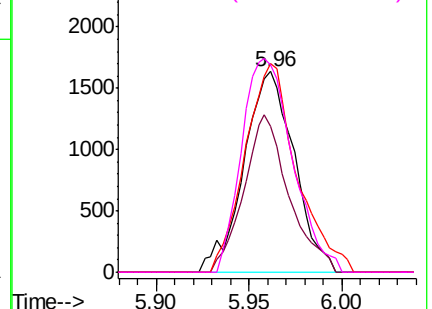
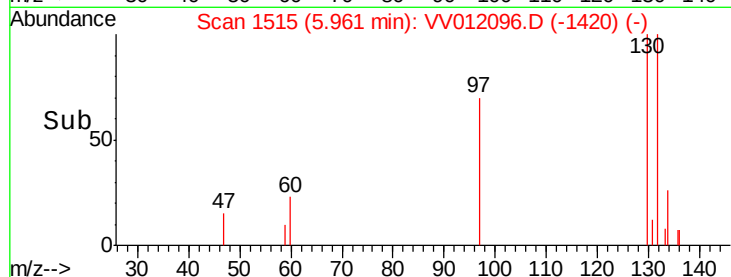
Abundance

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: 0.266 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

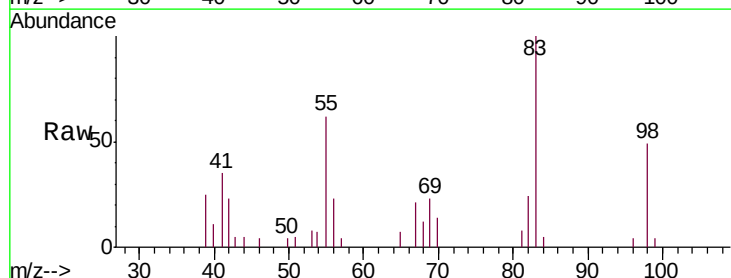
Tgt Ion: 83 Resp: 4669

Ion Ratio Lower Upper

83 100

55 71.6 60.1 90.1

98 50.2 40.2 60.4

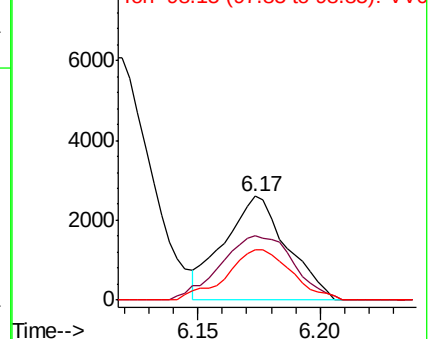
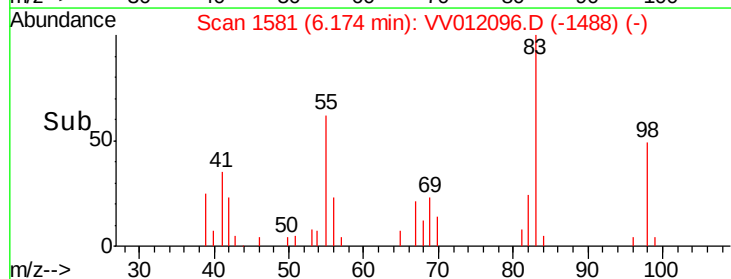


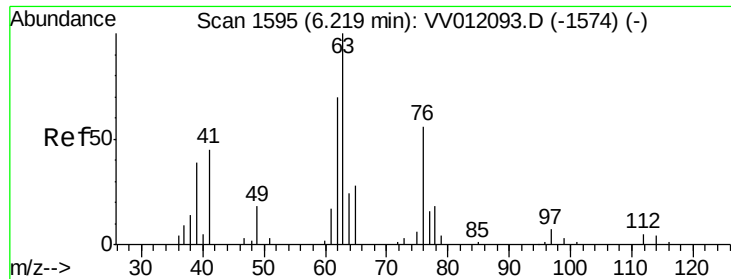
Abundance

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

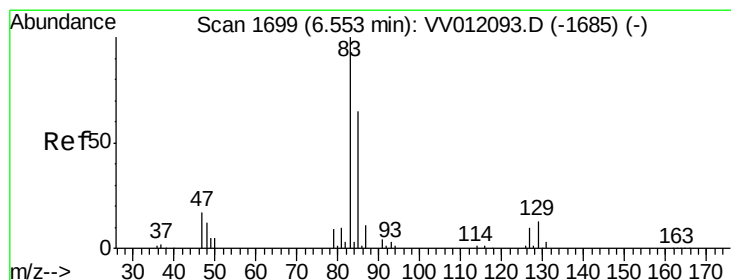
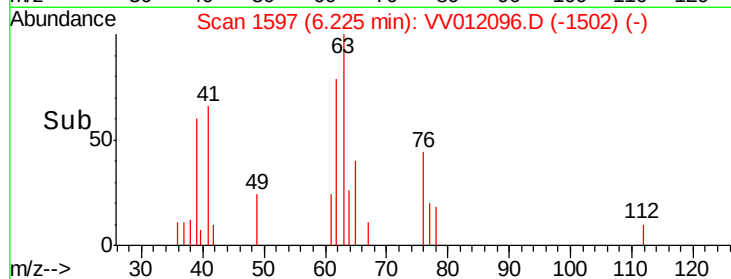
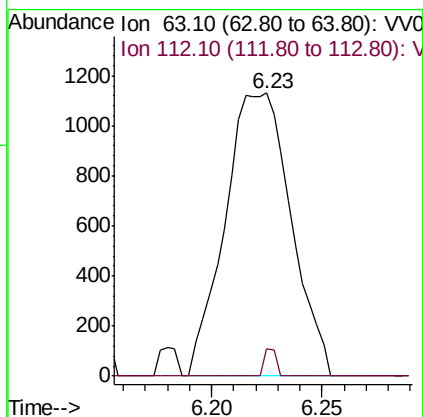
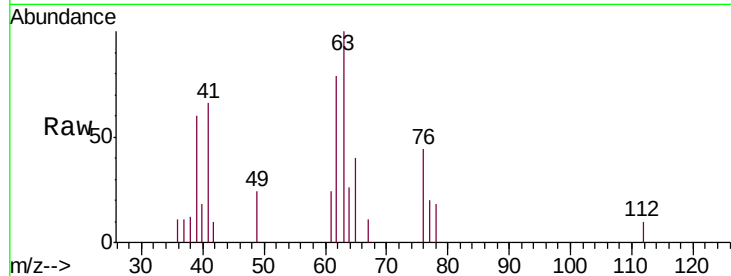




#37
 1,2-Dichloropropane
 Concen: 0.258 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

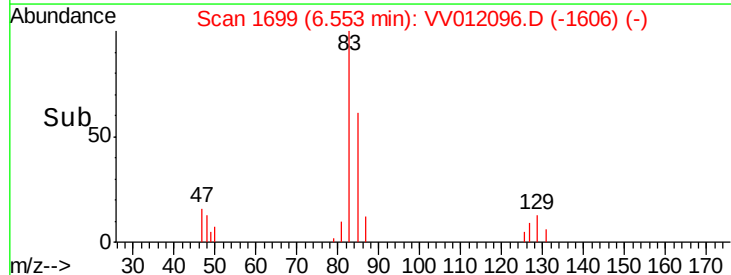
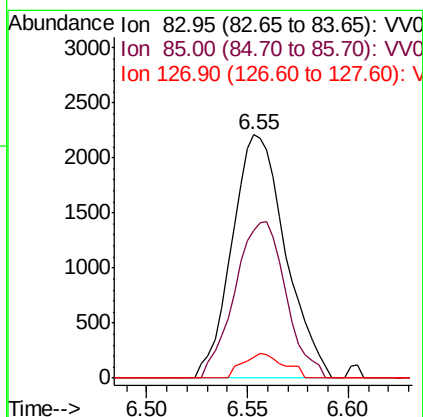
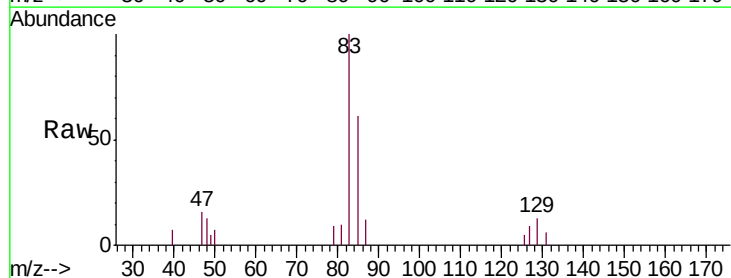
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

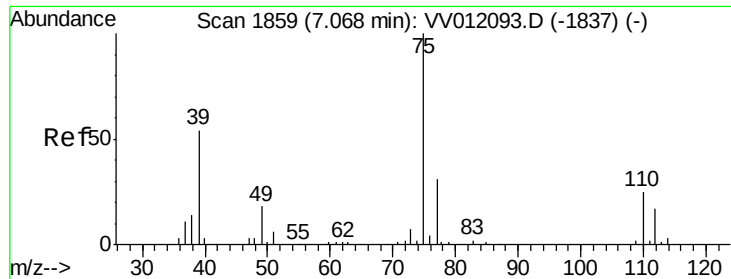
Tgt Ion: 63 Resp: 2350
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.319 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 83 Resp: 4093
 Ion Ratio Lower Upper
 83 100
 85 60.7 43.9 81.5
 127 8.6 6.9 10.3

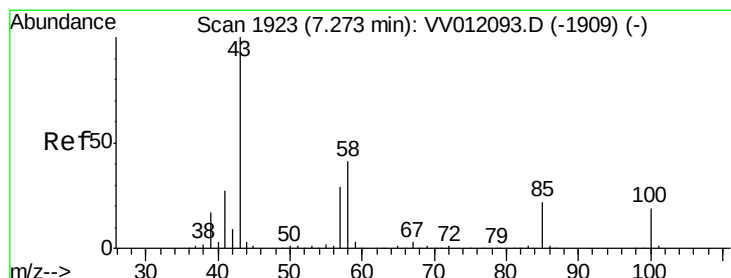
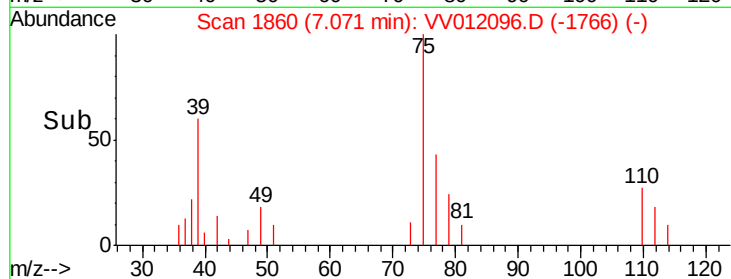
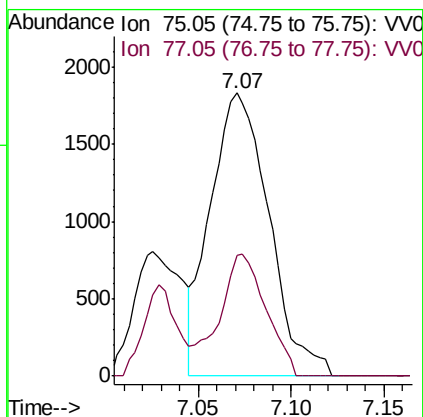
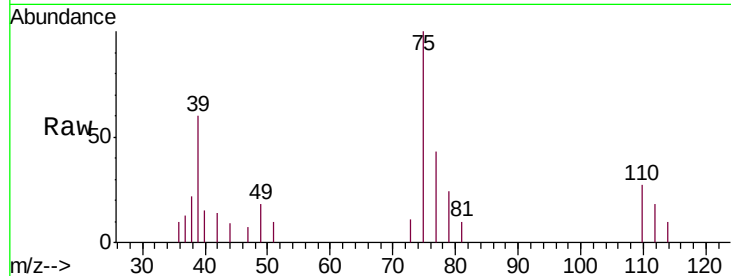




#39
 cis-1,3-Dichloropropene
 Concen: 0.282 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

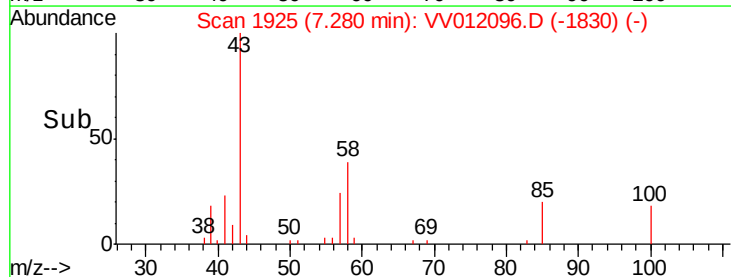
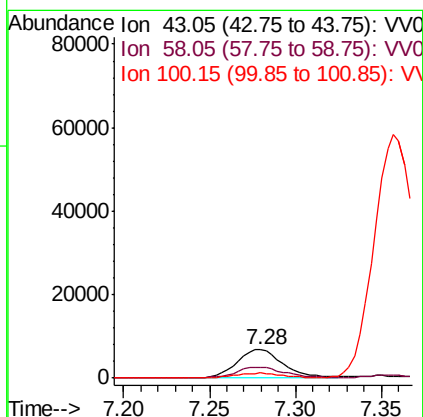
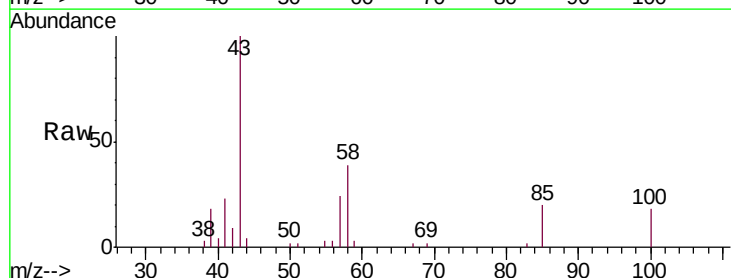
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

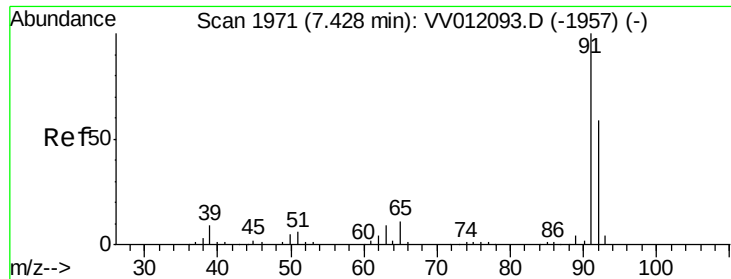
Tgt Ion: 75 Resp: 4018
 Ion Ratio Lower Upper
 75 100
 77 42.6 22.4 41.6#



#40
 4-Methyl-2-pentanone
 Concen: 2.473 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 43 Resp: 12697
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.9 47.9
 100 0.0 14.0 21.0#





#42

Toluene

Concen: 0.280 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

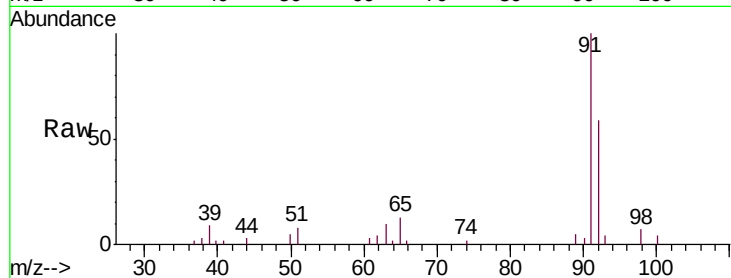
MDL07

Tgt Ion: 91 Resp: 12261

Ion Ratio Lower Upper

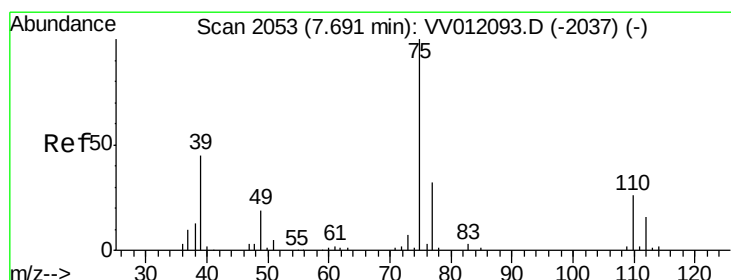
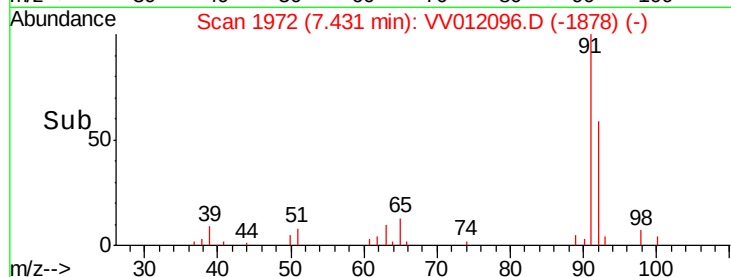
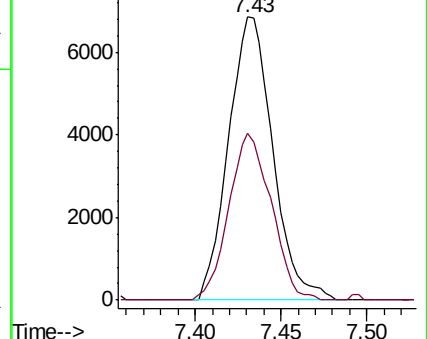
91 100

92 58.8 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: 0.306 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012096.D

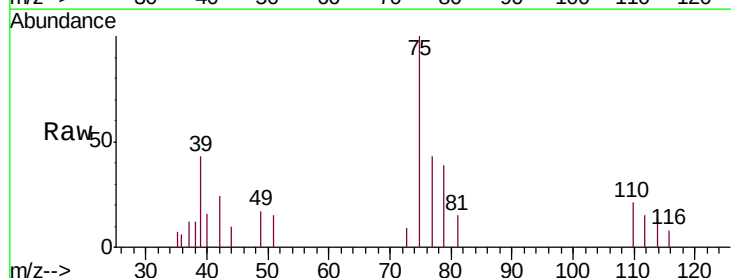
Acq: 02 Aug 2019 11:57

Tgt Ion: 75 Resp: 3525

Ion Ratio Lower Upper

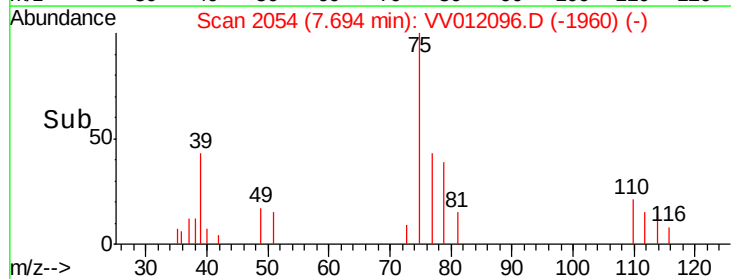
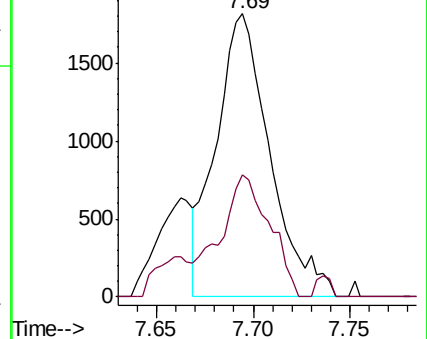
75 100

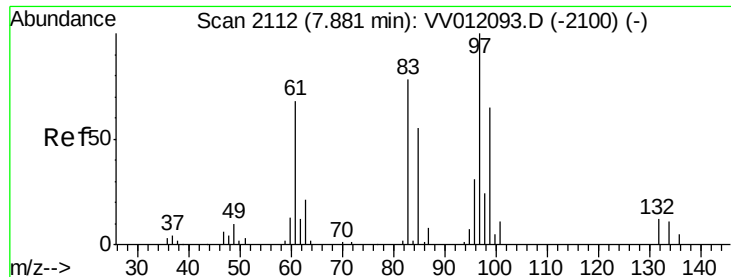
77 43.4 21.6 40.0#



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: 0.256 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 97 Resp: 1780

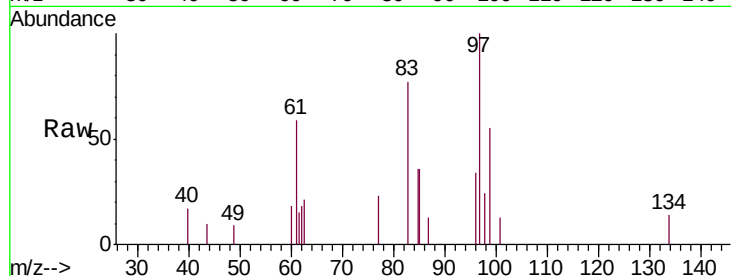
Ion Ratio Lower Upper

97 100

99 0.0 42.0 78.0#

83 76.9 57.6 107.0

85 72.0 34.6 64.2#

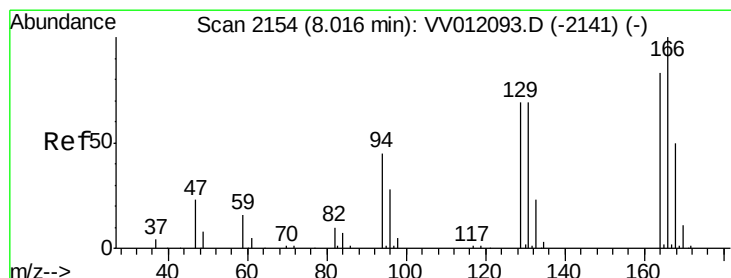
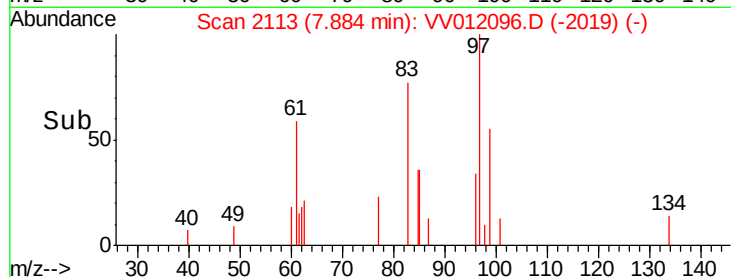
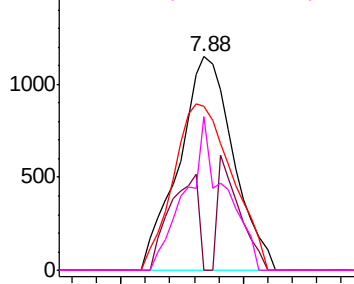


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.307 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Tgt Ion: 164 Resp: 3006

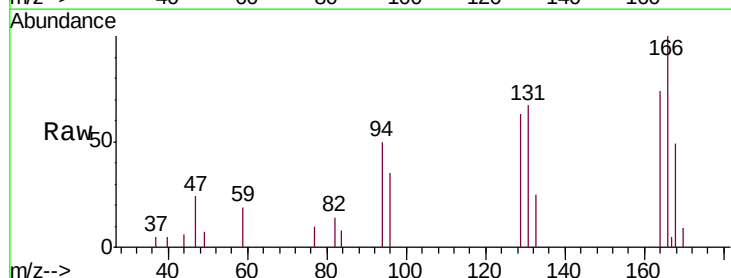
Ion Ratio Lower Upper

164 100

129 85.2 61.9 114.9

131 90.2 59.4 110.4

166 134.3 89.6 166.4

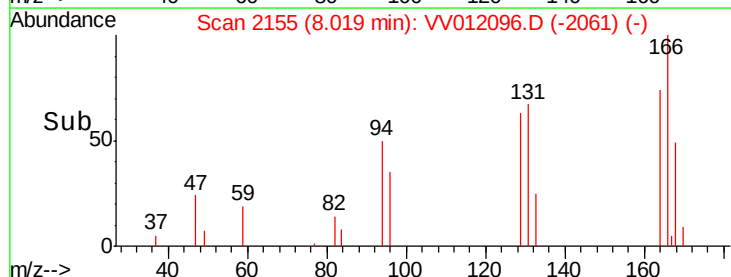
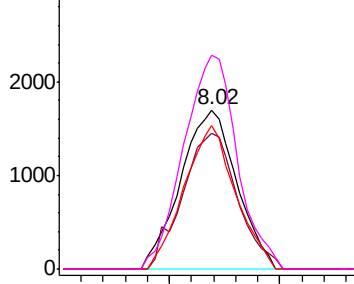


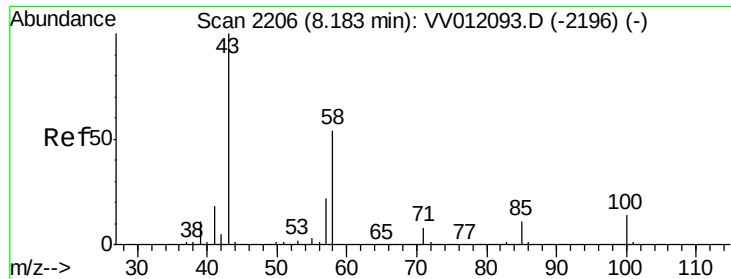
Abundance Ion 163.90 (163.60 to 164.60): V

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

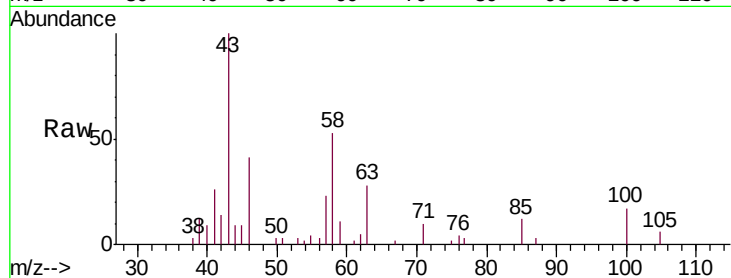




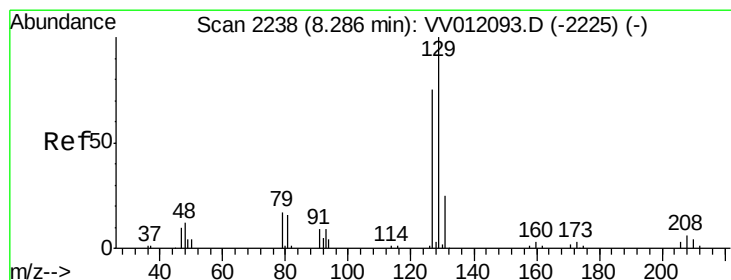
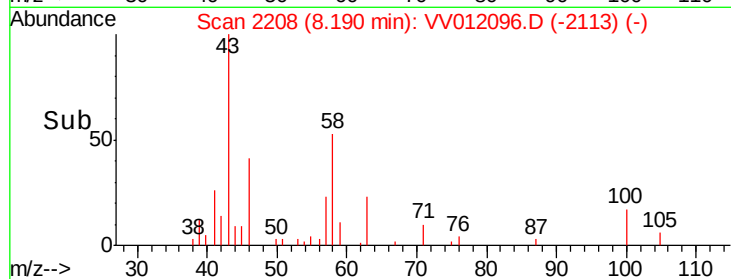
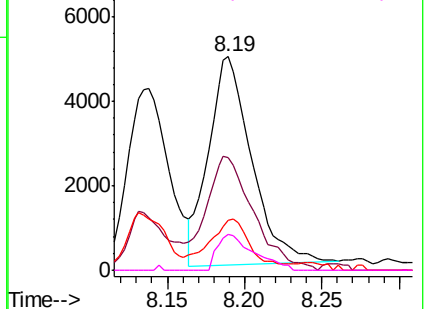
#48
2-Hexanone
Concen: 2.648 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 43 Resp: 9606
Ion Ratio Lower Upper
43 100
58 60.0 44.1 66.1
57 23.8 16.1 24.1
100 14.5 11.3 16.9

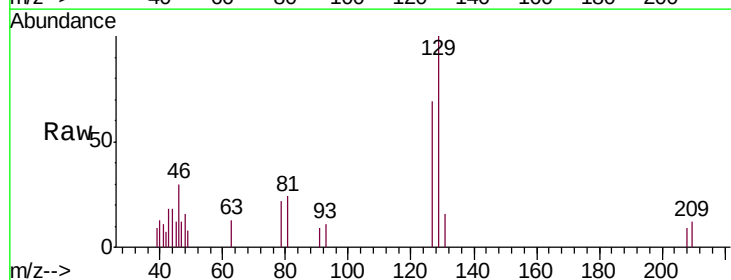


Abundance Ion 43.05 (42.75 to 43.75): VV012096.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012096.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012096.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012096.D (-2196) (-)

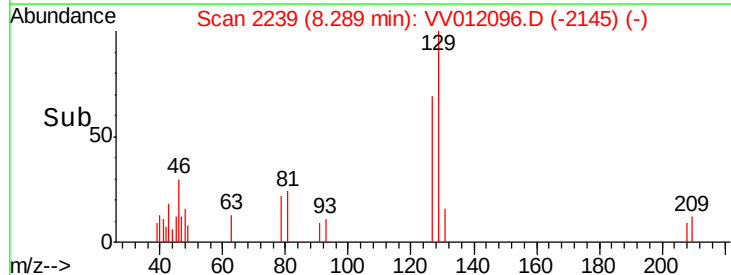
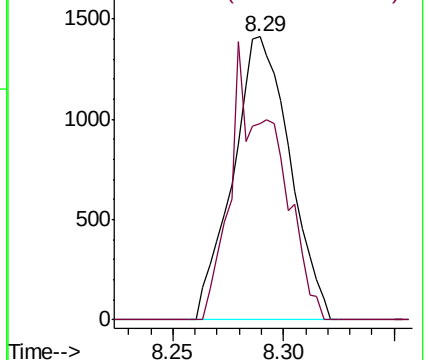


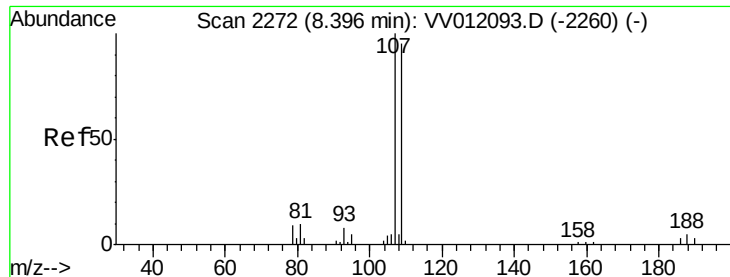
#49
Dibromochloromethane
Concen: 0.297 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion: 129 Resp: 2531
Ion Ratio Lower Upper
129 100
127 69.4 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012096.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV012096.D (-2145) (-)

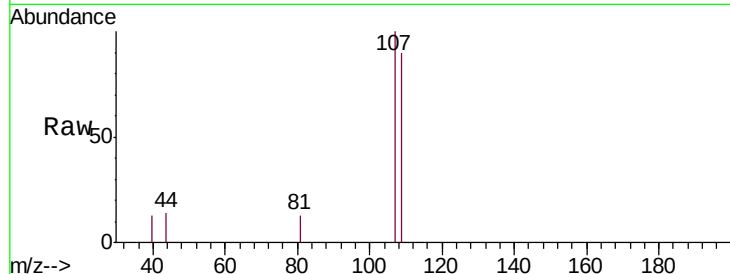




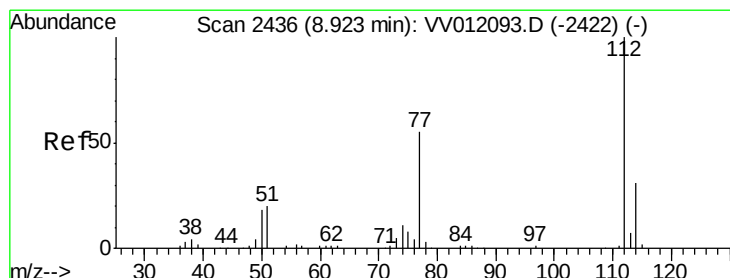
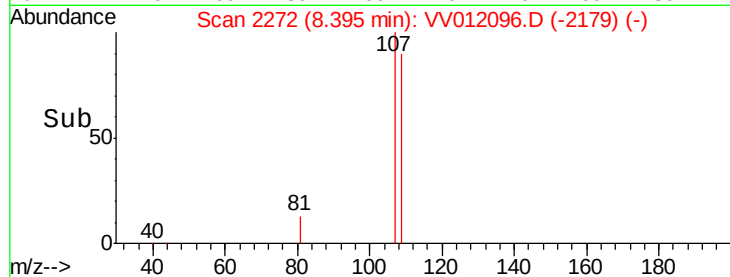
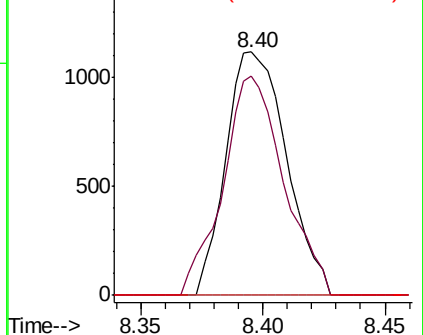
#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion:107 Resp: 1928
Ion Ratio Lower Upper
107 100
109 90.1 66.3 123.1
188 0.0 3.4 5.0#

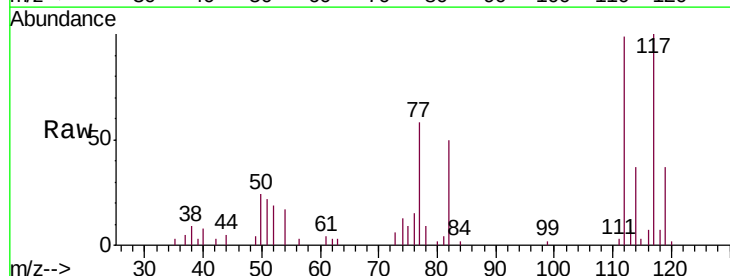


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

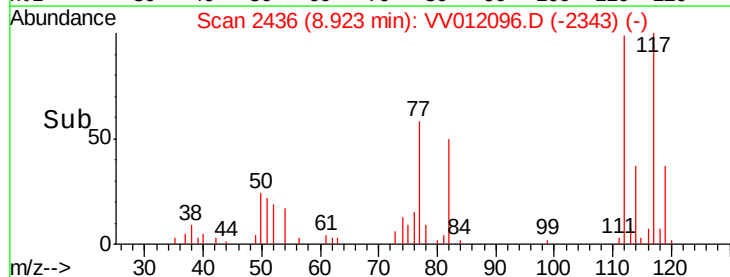
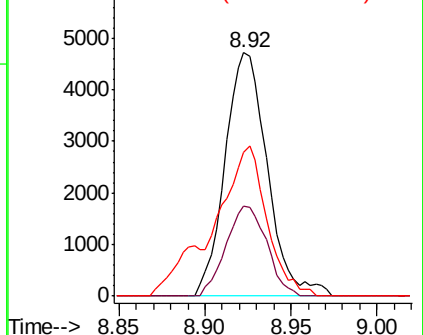


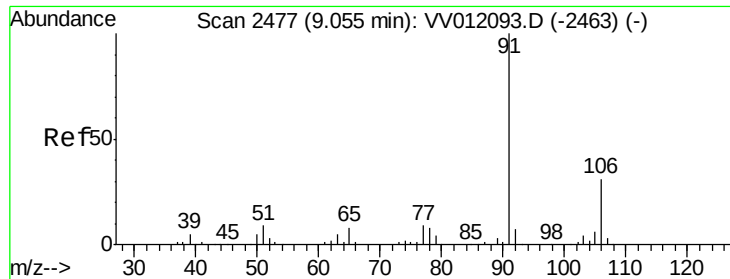
#51
Chlorobenzene
Concen: 0.275 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion:112 Resp: 8055
Ion Ratio Lower Upper
112 100
114 37.1 22.1 41.1
77 58.9 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: 0.266 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

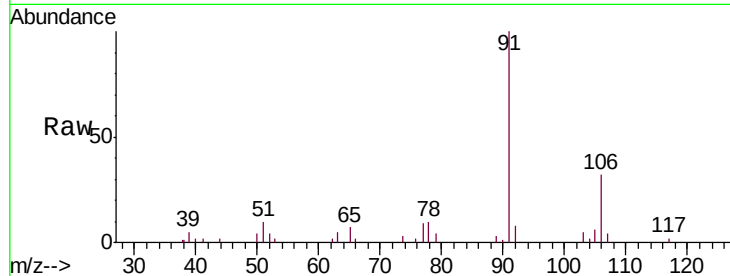
MDL07

Tgt Ion: 91 Resp: 13267

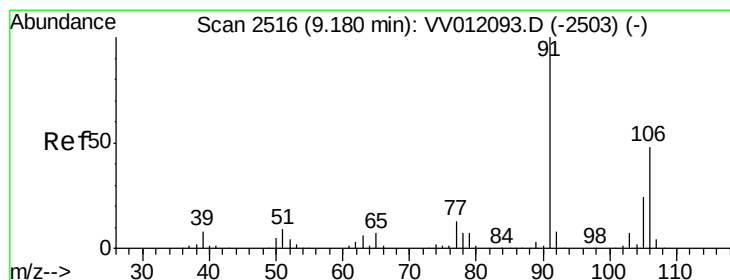
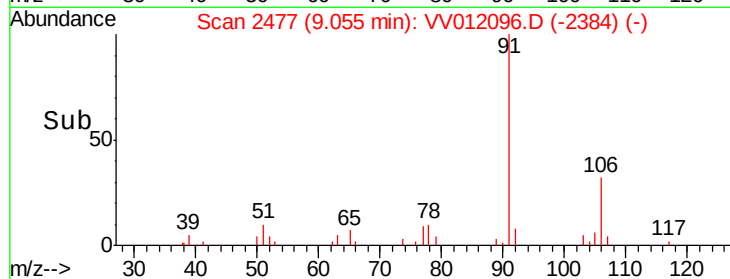
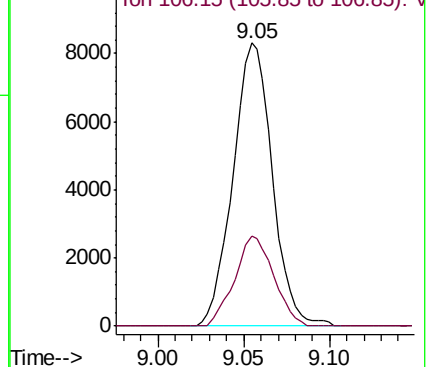
Ion Ratio Lower Upper

91 100

106 32.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012096.D (-2463) (-)



#53

m,p-xylene

Concen: 0.259 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012096.D

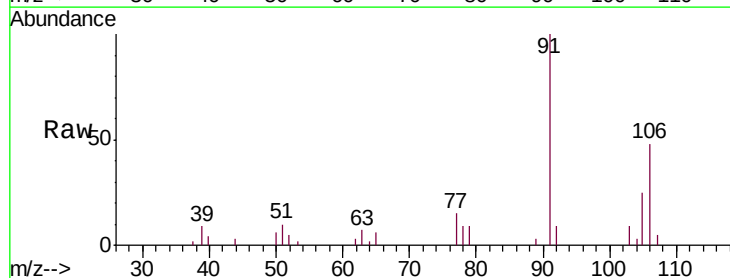
Acq: 02 Aug 2019 11:57

Tgt Ion: 106 Resp: 4917

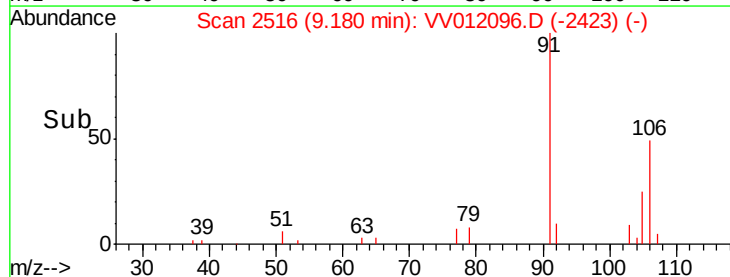
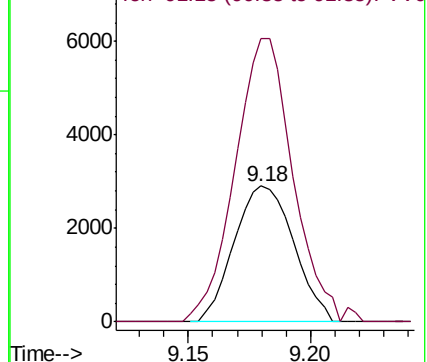
Ion Ratio Lower Upper

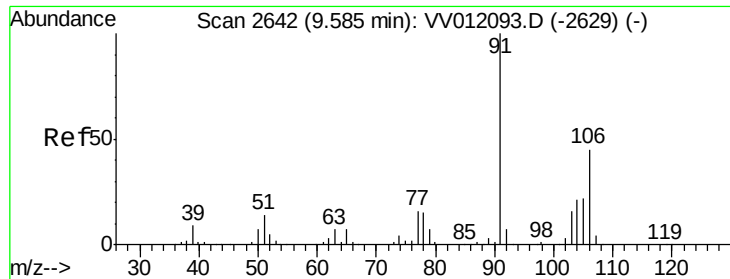
106 100

91 207.9 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012096.D (-2503) (-)

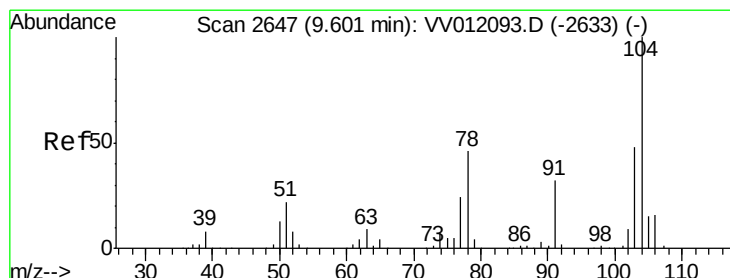
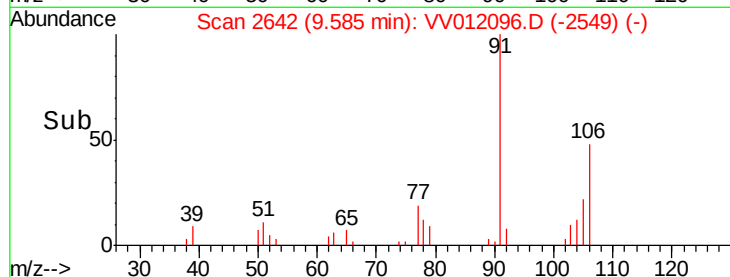
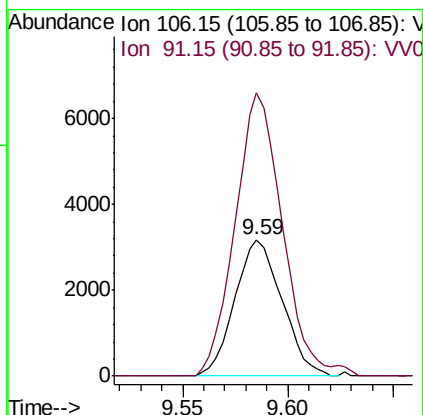
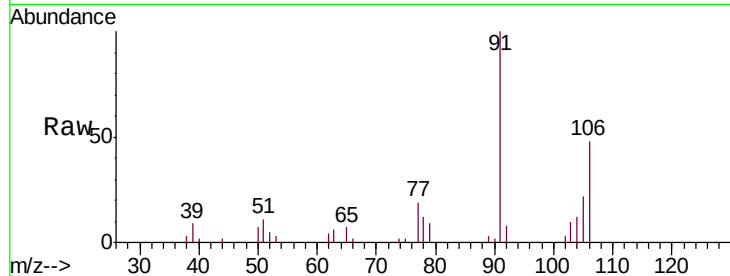




#54
o-xylene
Concen: 0.275 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

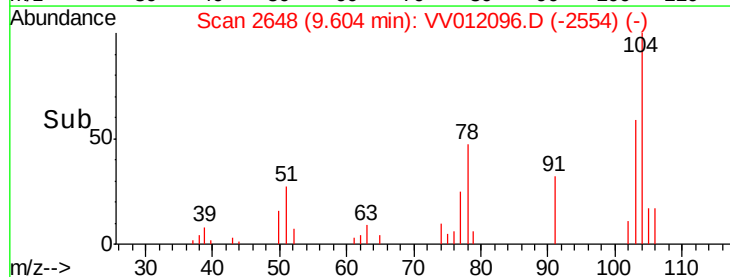
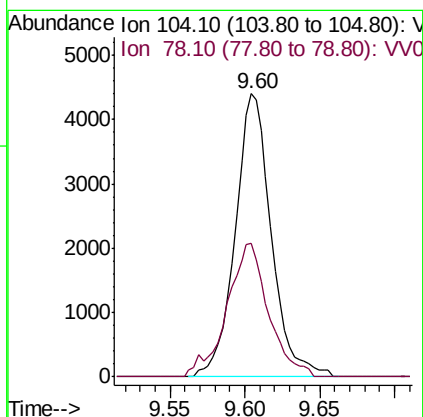
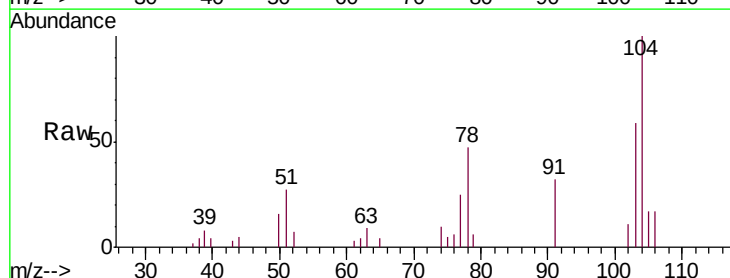
Instrument :
MSVOA_V
ClientSampled :
MDL07

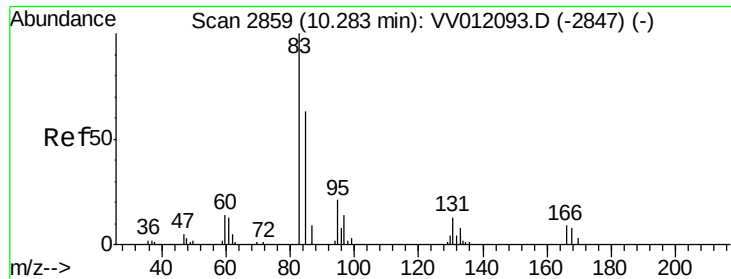
Tgt Ion:106 Resp: 4944
Ion Ratio Lower Upper
106 100
91 207.1 146.8 272.6



#55
Styrene
Concen: 0.243 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion:104 Resp: 7376
Ion Ratio Lower Upper
104 100
78 52.5 33.3 61.9

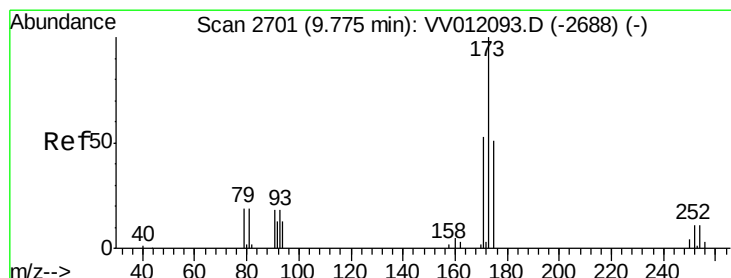
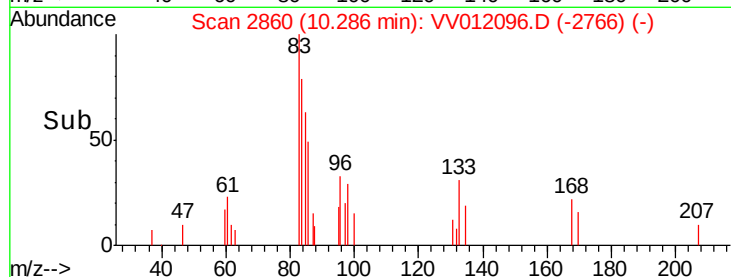
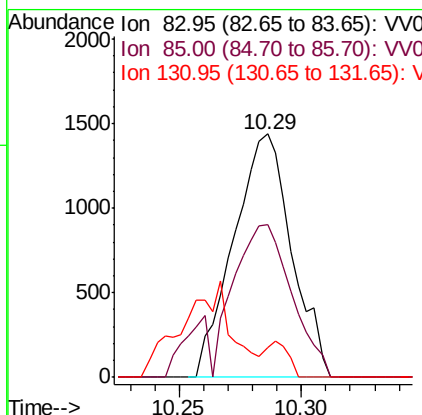
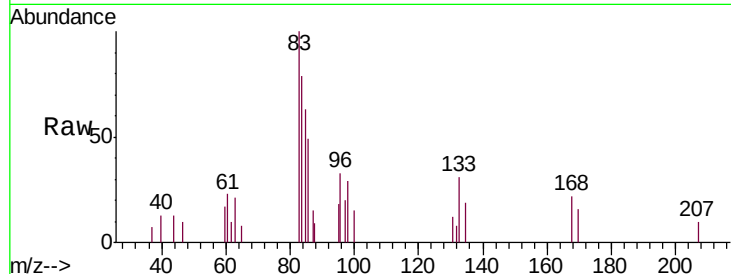




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.318 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

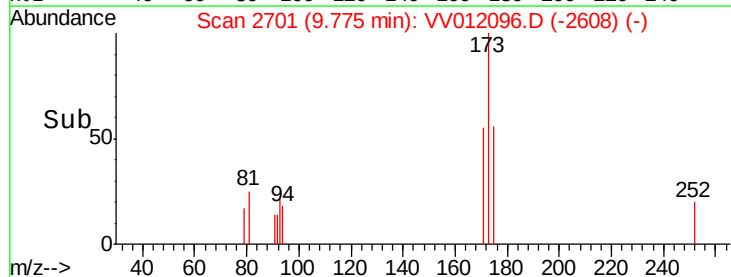
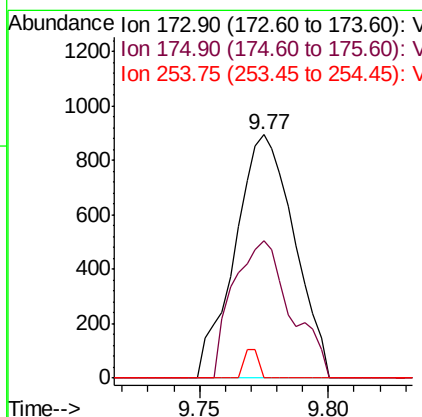
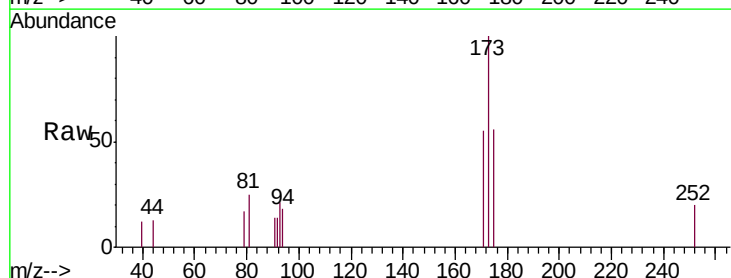
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

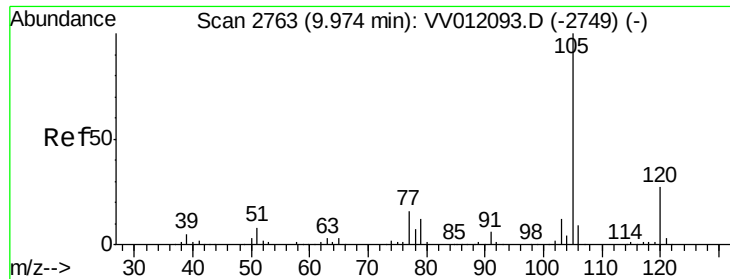
Tgt Ion: 83 Resp: 2372
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.0 81.6
 131 12.2 8.3 12.5



#59
 Bromoform
 Concen: 0.303 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 173 Resp: 1433
 Ion Ratio Lower Upper
 173 100
 175 54.7 38.3 57.5
 254 2.8 8.6 13.0#





#60

Isopropylbenzene

Concen: 0.260 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

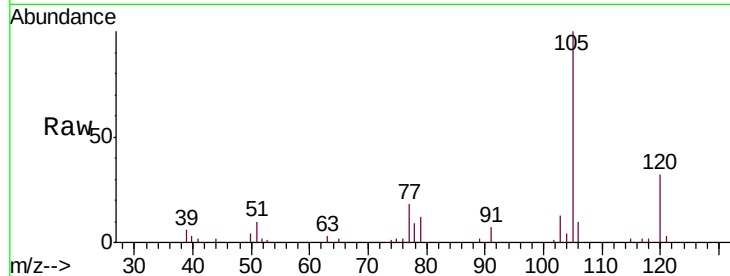
Tgt Ion: 105 Resp: 13023

Ion Ratio Lower Upper

105 100

120 27.5 21.5 32.3

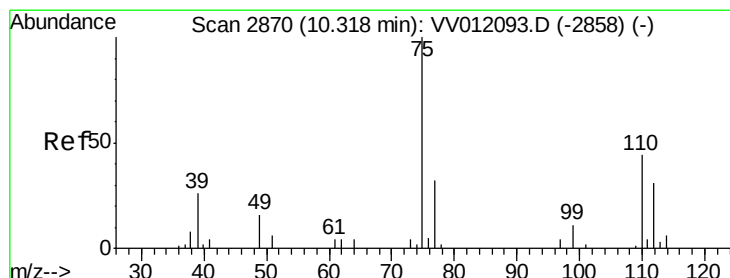
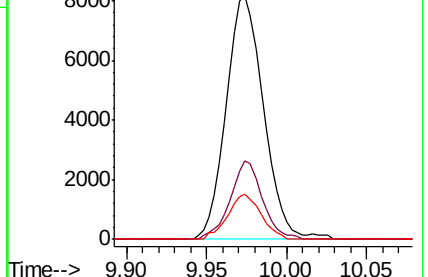
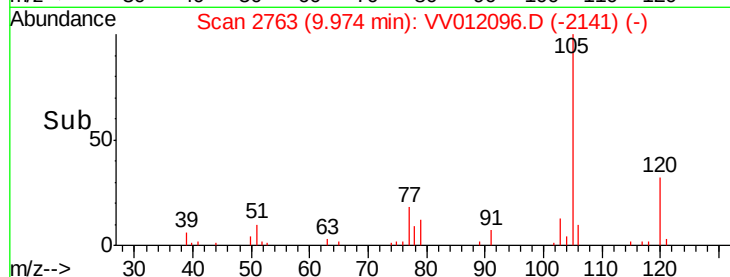
77 16.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.286 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

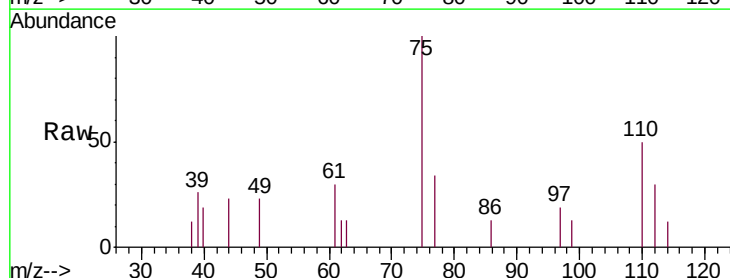
Tgt Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

77 32.5 26.8 40.2

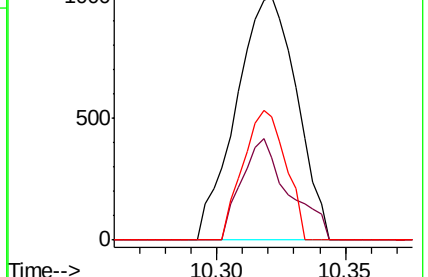
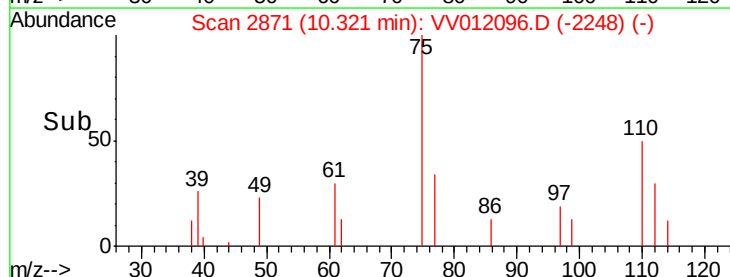
110 37.5 35.0 52.6

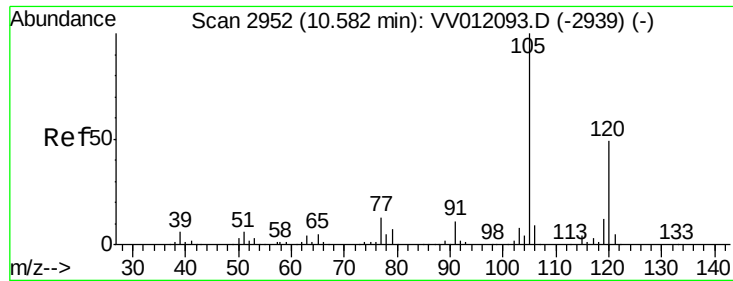


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.281 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

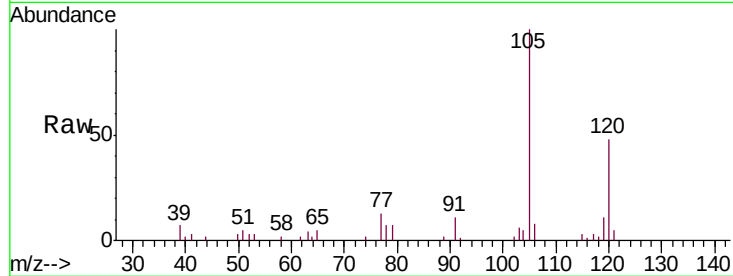
MDL07

Tgt Ion:105 Resp: 11609

Ion Ratio Lower Upper

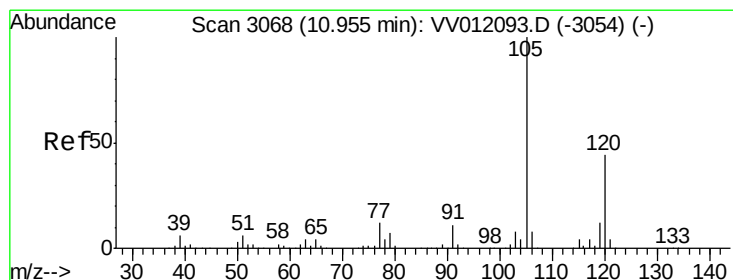
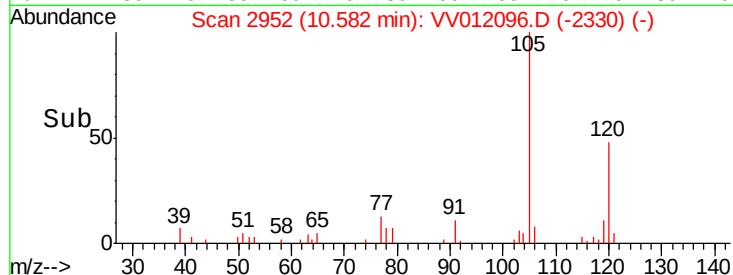
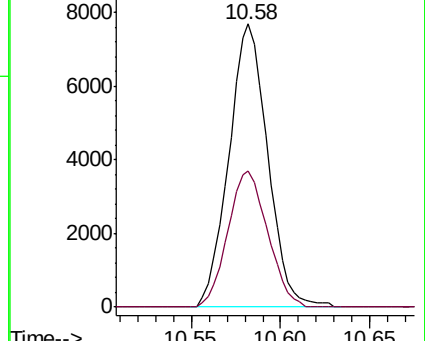
105 100

120 49.2 40.1 60.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.251 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012096.D

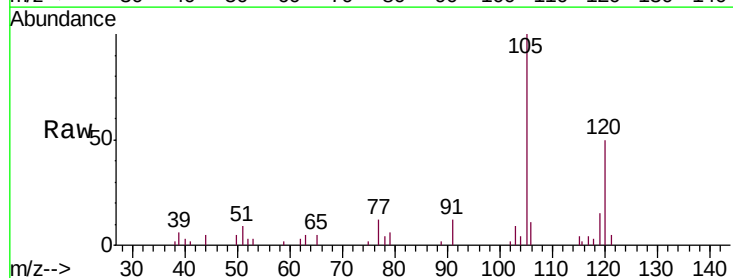
Acq: 02 Aug 2019 11:57

Tgt Ion:105 Resp: 10312

Ion Ratio Lower Upper

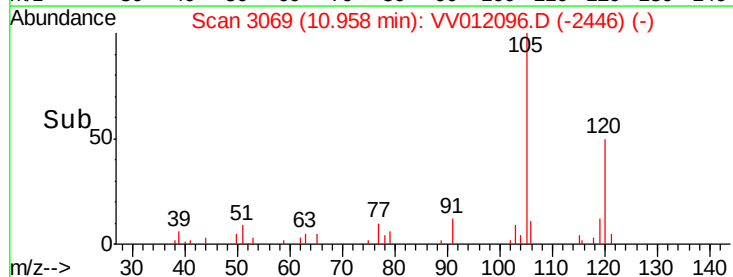
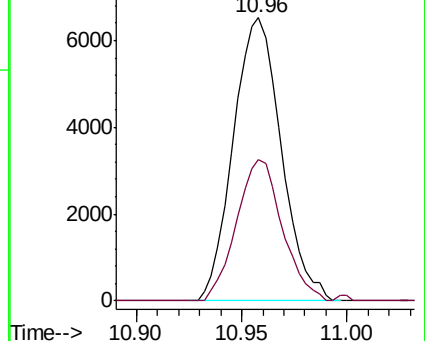
105 100

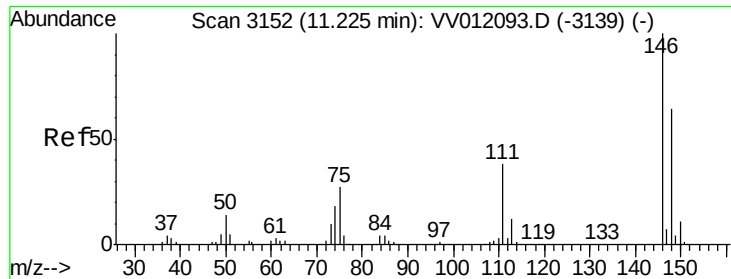
120 47.6 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

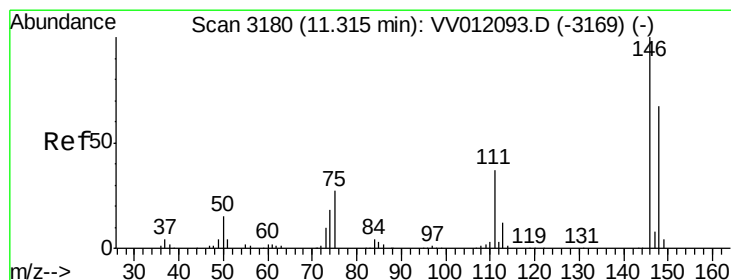
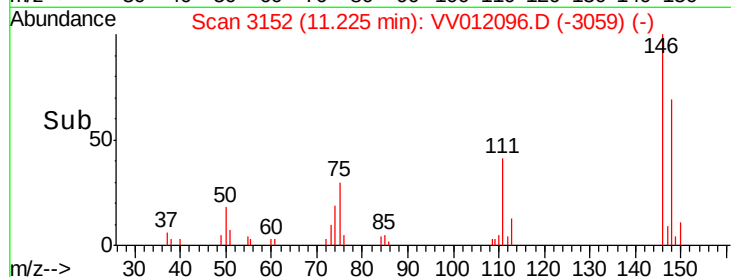
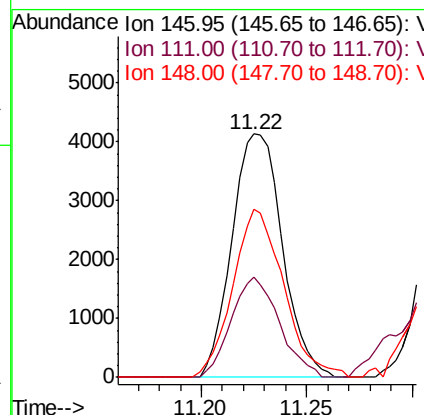
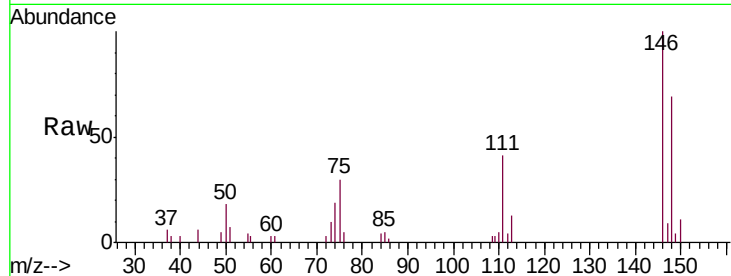




#64
 1,3-Dichlorobenzene
 Concen: 0.276 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

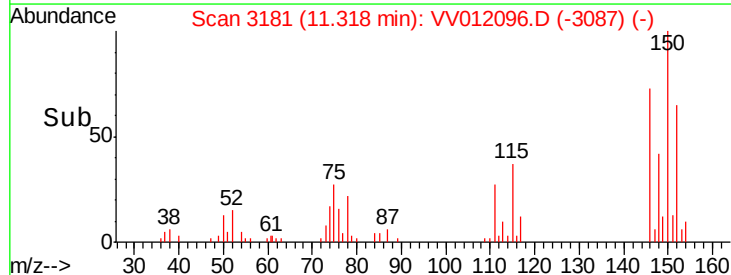
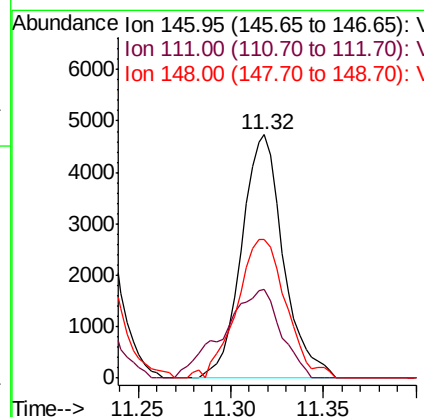
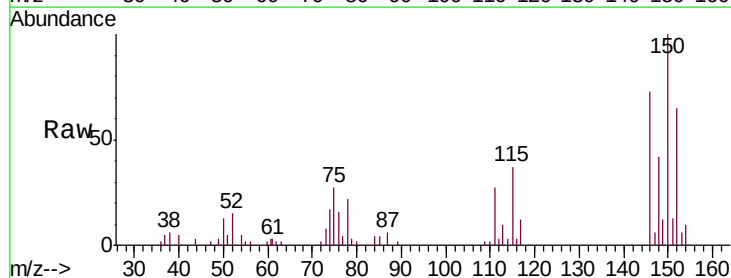
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

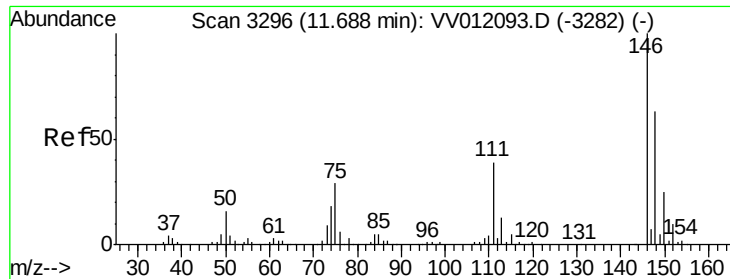
Tgt Ion:146 Resp: 6883
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.2 50.6
 148 69.1 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 0.291 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion:146 Resp: 7396
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.8 48.0
 148 57.2 43.8 81.3

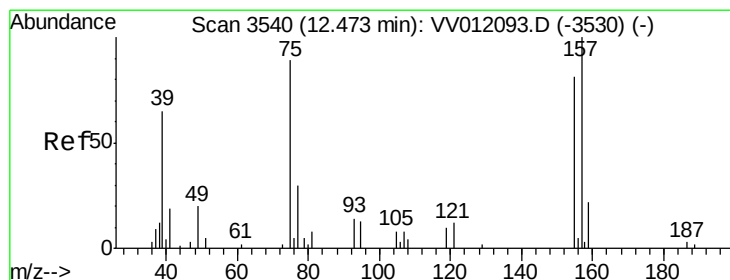
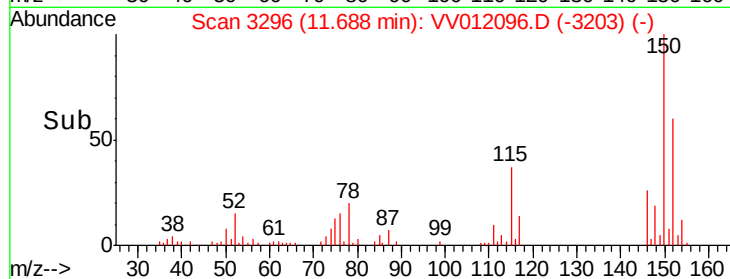
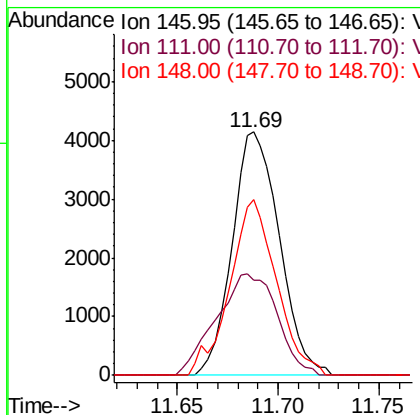
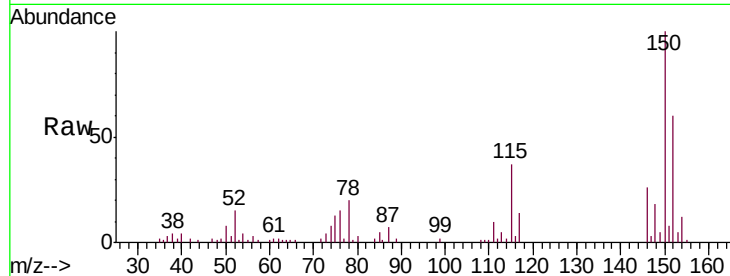




#67
 1,2-Dichlorobenzene
 Concen: 0.300 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

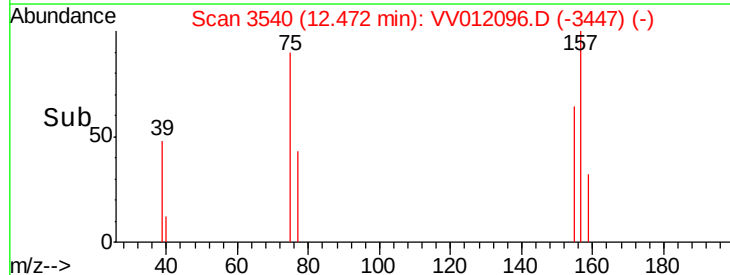
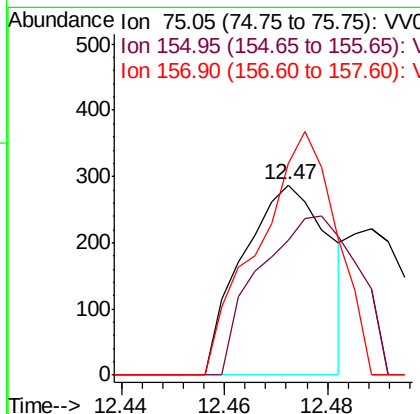
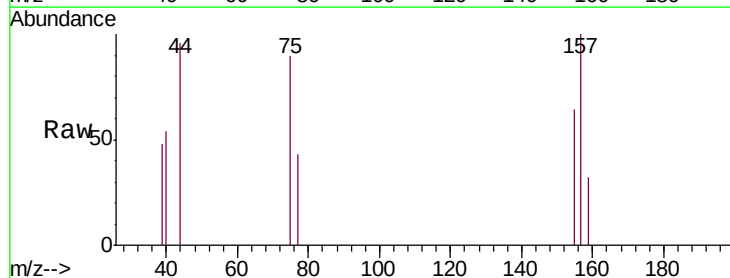
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

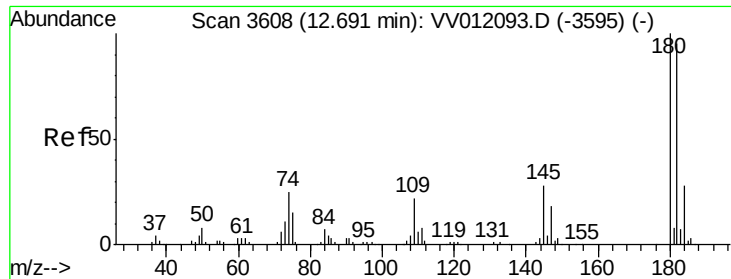
Tgt Ion: 146 Resp: 6789
 Ion Ratio Lower Upper
 146 100
 111 39.3 32.4 48.6
 148 71.9 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.283 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 75 Resp: 333
 Ion Ratio Lower Upper
 75 100
 155 71.1 75.0 112.6#
 157 111.5 87.8 131.6

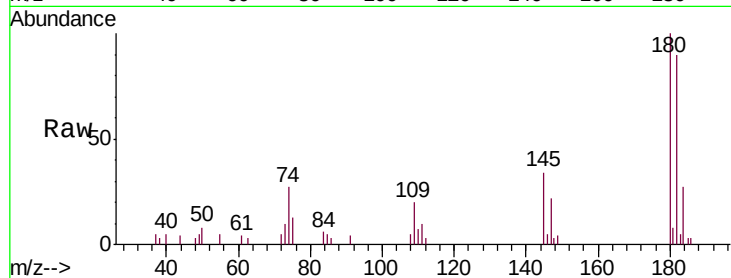




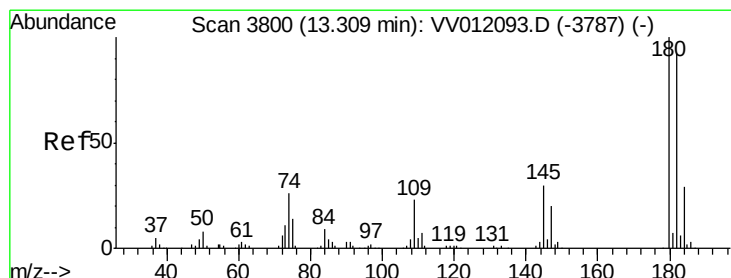
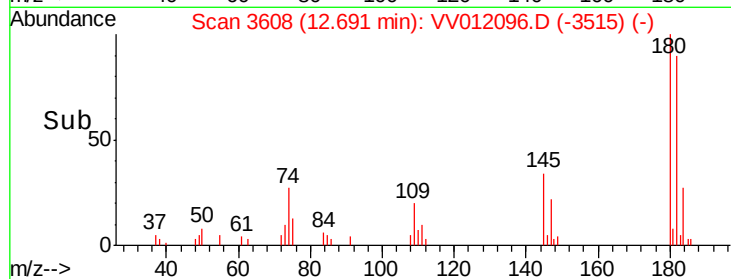
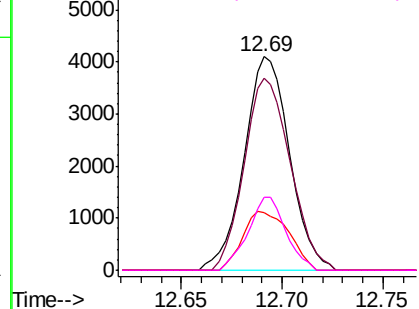
#69
 1,3,5-Trichlorobenzene
 Concen: 0.313 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 6464
 Ion Ratio Lower Upper
 180 100
 182 91.3 77.1 115.7
 184 28.0 24.6 36.8
 145 28.7 22.8 34.2

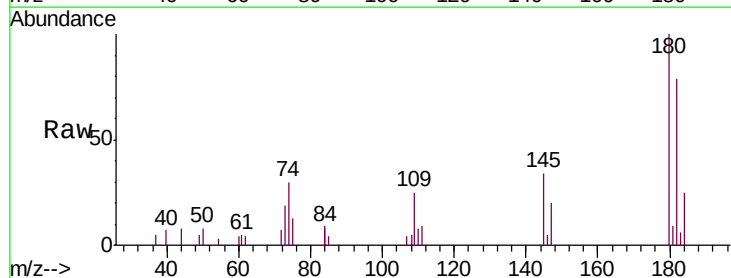


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

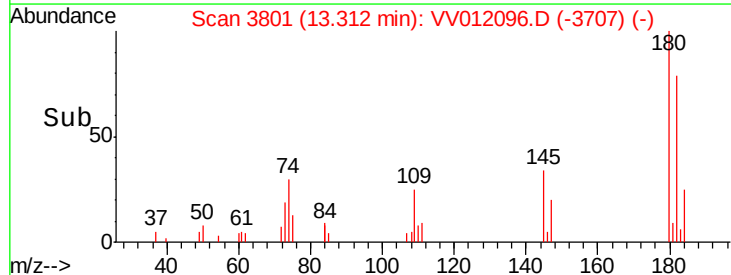
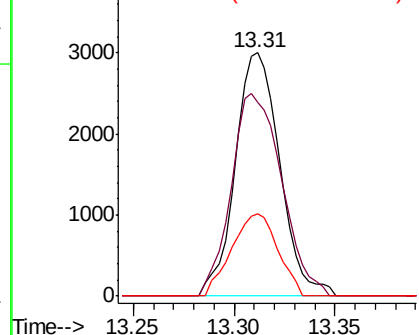


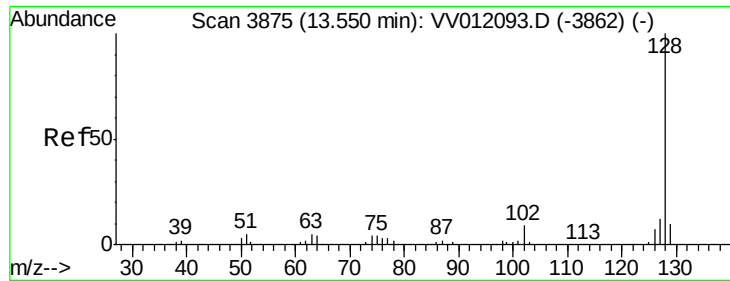
#70
 1,2,4-trichlorobenzene
 Concen: 0.285 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion:180 Resp: 4657
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.1 114.1
 145 34.9 24.3 36.5



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

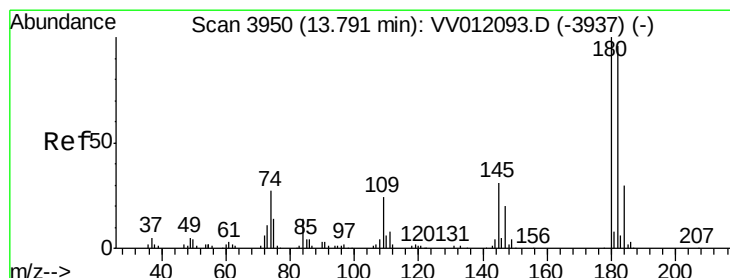
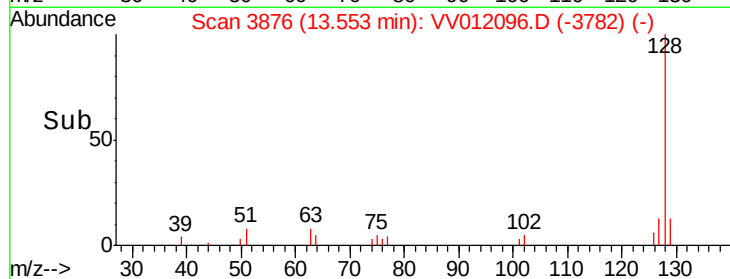
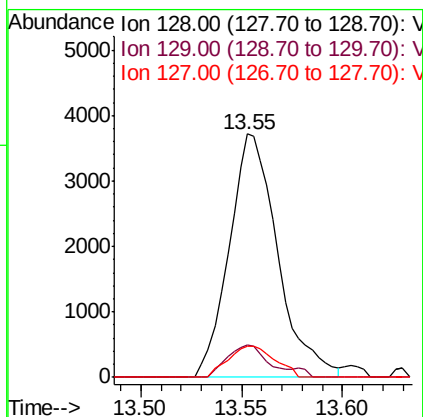
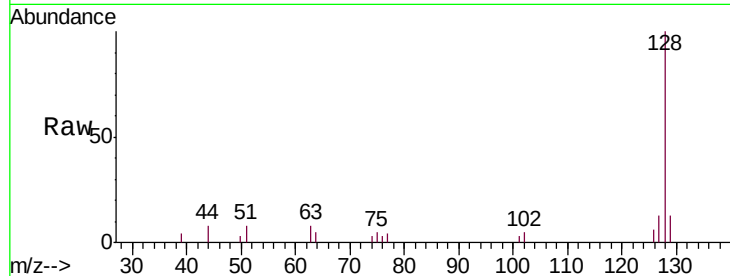




#71
Naphthalene
Concen: 0.275 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion:128 Resp: 6237
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 12.3 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.314 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion:180 Resp: 4545
Ion Ratio Lower Upper
180 100
182 87.7 78.5 117.7
145 31.7 25.8 38.8

