

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021920\
 Data File : VV014615.D
 Acq On : 19 Feb 2020 18:59
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: Feb 20 02:51:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 20 02:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	24542	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	24088	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	13022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	44093	48.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	978.40%#
7) Chloroethane-d5	1.58	69	35477	51.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	1024.20%#
11) 1,1-Dichloroethene-d2	2.13	63	77304	45.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	912.00%#
20) 2-Butanone-d5	3.96	46	111861	589.65	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	1179.30%#
24) Chloroform-d	4.40	84	106003	48.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	965.00%#
26) 1,2-Dichloroethane-d4	5.08	65	74626	54.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	1087.80%#
32) Benzene-d6	5.09	84	320266	51.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	1037.60%#
36) 1,2-Dichloropropane-d6	6.11	67	87976	50.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	1008.60%#
41) Toluene-d8	7.35	98	304127	51.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	1022.80%#
43) trans-1,3-Dichloropropene-	7.66	79	38151	51.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	1033.60%#
46) 2-Hexanone-d5	8.13	63	139486	551.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	1103.78%#
56) 1,1,2,2-Tetrachloroethane-	10.25	84	68312	52.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	1055.40%#
66) 1,2-Dichlorobenzene-d4	11.67	152	108007	46.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	938.20%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	57298	24.203	ug/L 98
3) Chloromethane	1.25	50	23657	23.494	ug/L 97
5) Vinyl chloride	1.32	62	24629	23.325	ug/L 99
6) Bromomethane	1.53	94	15296	24.371	ug/L 94
8) Chloroethane	1.60	64	13055	23.668	ug/L 98
9) Trichlorofluoromethane	1.77	101	53533	25.031	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	22367	24.848	ug/L 95
12) 1,1-Dichloroethene	2.14	96	19794	24.620	ug/L # 52
13) Acetone	2.21	43	26850	243.170	ug/L 99
14) Carbon disulfide	2.31	76	111766	24.862	ug/L 99
15) Methyl Acetate	2.47	43	8113	20.382	ug/L 94
16) Methylene chloride	2.53	84	38621	22.999	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	87644	25.468	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	41101	24.629	ug/L 98
19) 1,1-Dichloroethane	3.23	63	67284	24.625	ug/L 99
21) 2-Butanone	4.04	43	47986	236.403	ug/L 85
22) cis-1,2-Dichloroethene	3.96	96	44522	25.126	ug/L 94

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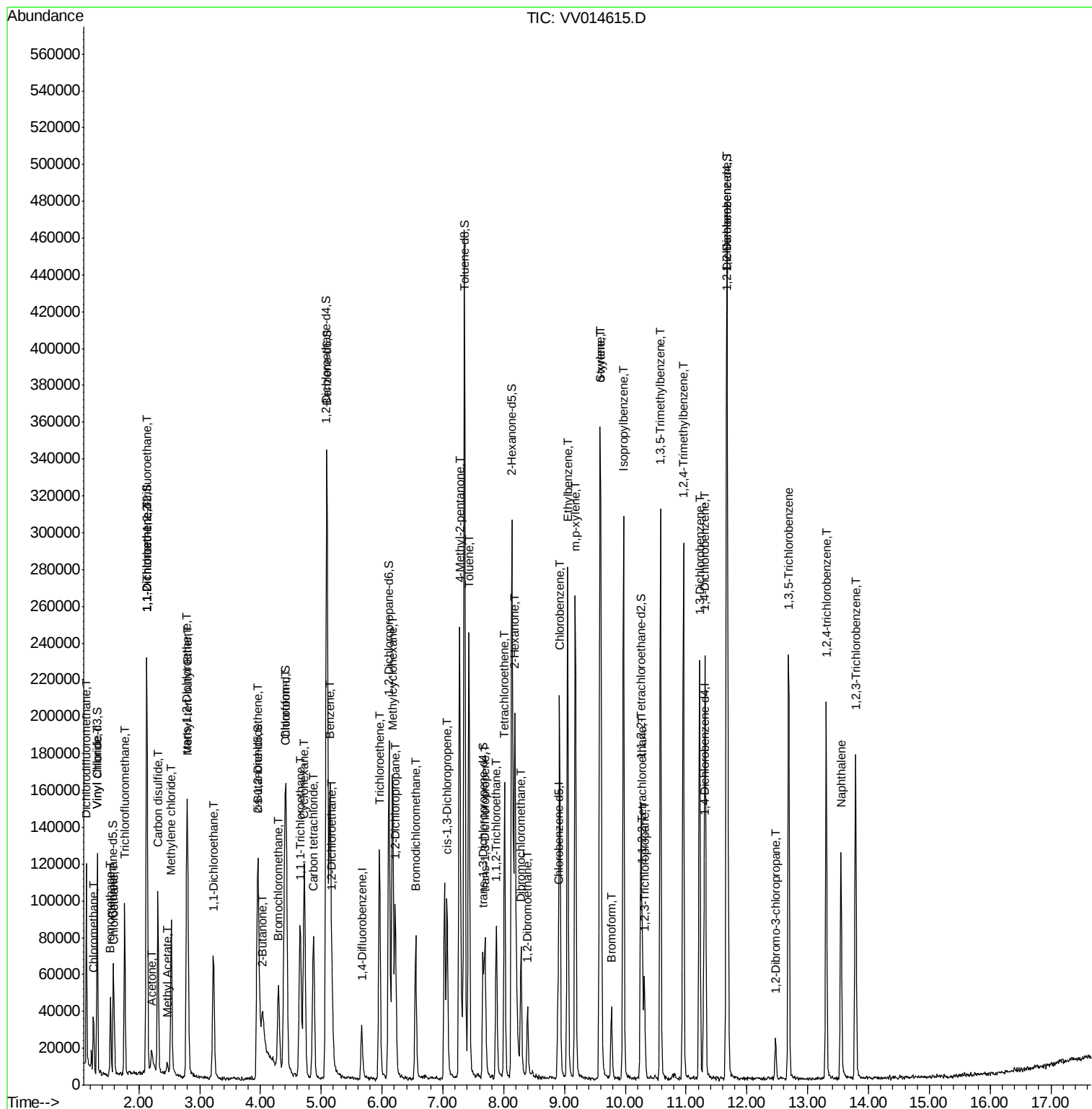
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17831	24.168	ug/L	98
25) Chloroform	4.42	83	125436	32.372	ug/L	99
27) 1,2-Dichloroethane	5.18	62	41349	25.270	ug/L #	94
29) 1,1,1-Trichloroethane	4.65	97	68442	23.282	ug/L	98
30) Cyclohexane	4.72	56	63331	23.128	ug/L	98
31) Carbon tetrachloride	4.87	117	59820	23.464	ug/L	99
33) Benzene	5.14	78	160651	24.084	ug/L	100
34) Trichloroethene	5.96	95	44861	23.648	ug/L	95
35) Methylcyclohexane	6.17	83	72335	22.943	ug/L	99
37) 1,2-Dichloropropane	6.22	63	33547	21.697	ug/L	99
38) Bromodichloromethane	6.55	83	50959	23.062	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	57980	23.319	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	192036	255.842	ug/L	96
42) Toluene	7.43	91	178057	24.370	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	47023	23.723	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	27392	23.643	ug/L	99
47) Tetrachloroethene	8.01	164	35421	23.660	ug/L	95
48) 2-Hexanone	8.19	43	135547	250.981	ug/L	99
49) Dibromochloromethane	8.29	129	35609	23.739	ug/L	96
50) 1,2-Dibromoethane	8.39	107	26994	24.497	ug/L	92
51) Chlorobenzene	8.92	112	113737	23.595	ug/L	96
52) Ethylbenzene	9.05	91	199615	23.996	ug/L	98
53) m,p-xylene	9.18	106	76494	24.030	ug/L	98
54) o-xylene	9.58	106	76247	24.942	ug/L	94
55) Styrene	9.60	104	120601	23.886	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	32330	24.525	ug/L	98
59) Bromoform	9.77	173	17871	21.690	ug/L	99
60) Isopropylbenzene	9.97	105	198890	22.100	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	22948	22.302	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	167683	22.326	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	162592	22.067	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	92140	21.836	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	91375	22.047	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	83792	22.617	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	5605	23.058	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	70604	22.695	ug/L	98
70) 1,2,4-trichlorobenzene	13.30	180	60483	23.209	ug/L	97
71) Naphthalene	13.55	128	100680	22.851	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	53416	23.402	ug/L	99

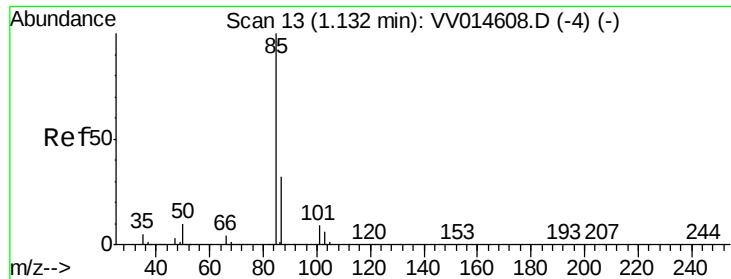
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.203 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

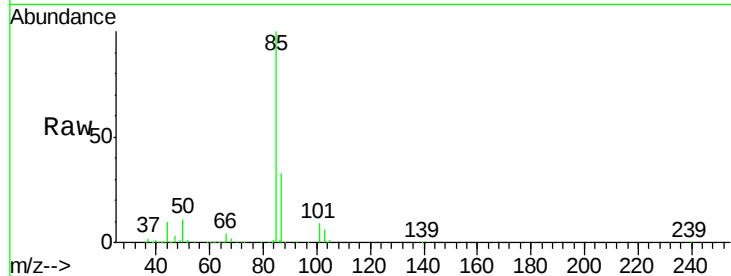
MDL02

Tot Ion: 85 Resp: 57298

Ion Ratio Lower Upper

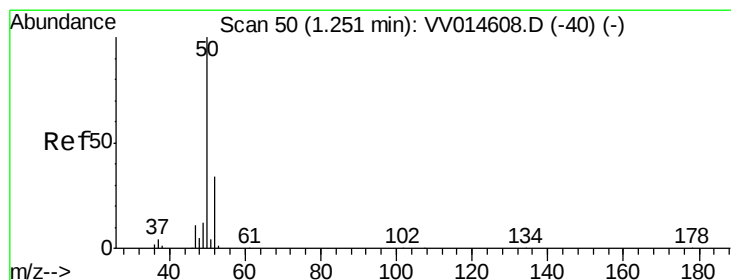
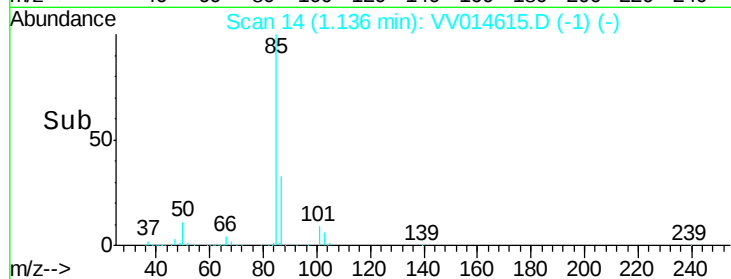
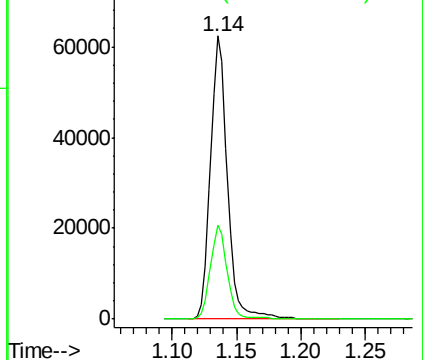
85 100

87 33.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 23.494 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014615.D

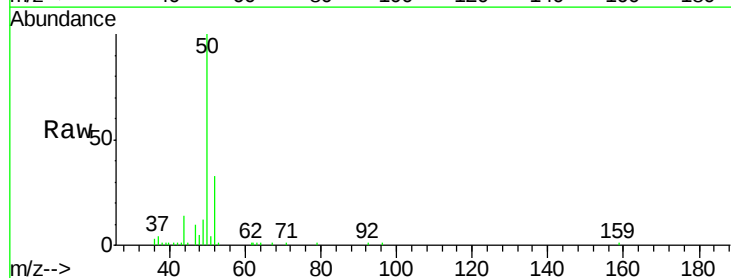
Acq: 19 Feb 2020 18:59

Tgt Ion: 50 Resp: 23657

Ion Ratio Lower Upper

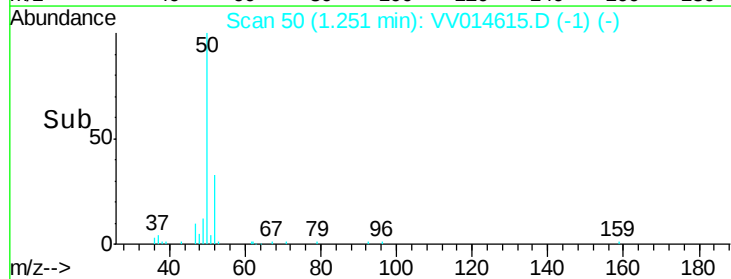
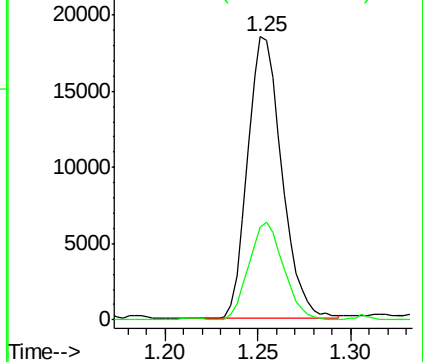
50 100

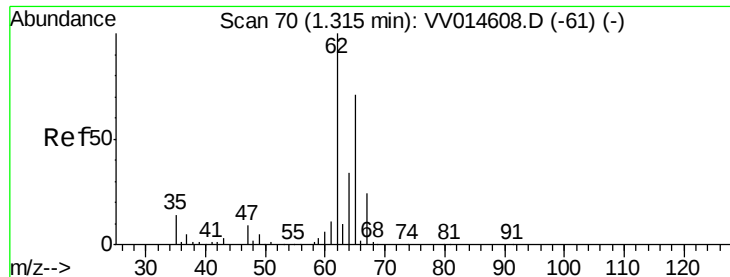
52 33.0 24.2 45.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 23.325 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

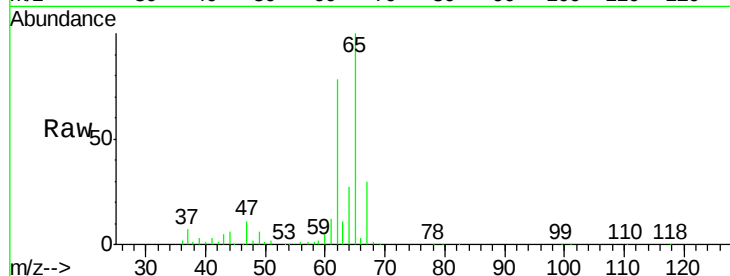
Lab File: VV014615.D

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Instrument :
MSVOA_V
ClientSampled :
MDL02

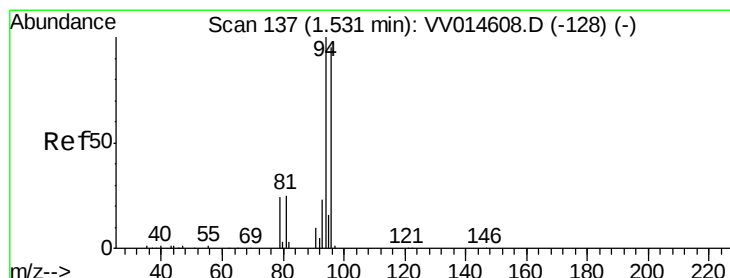
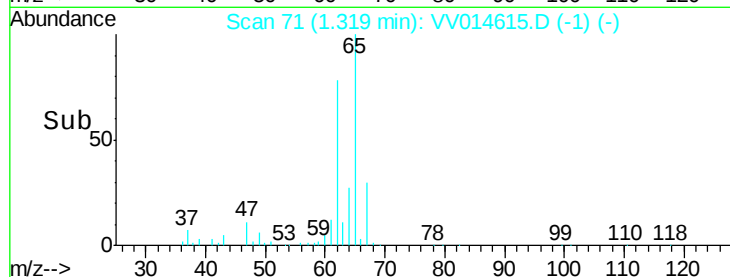
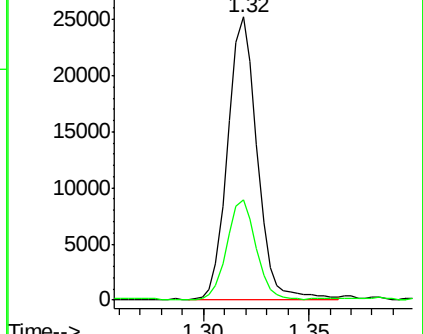
Tot Ion: 62 Resp: 24629

Ion	Ratio	Lower	Upper
62	100		
64	35.3	24.3	45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 24.371 ug/L

RT: 1.53 min Scan# 137

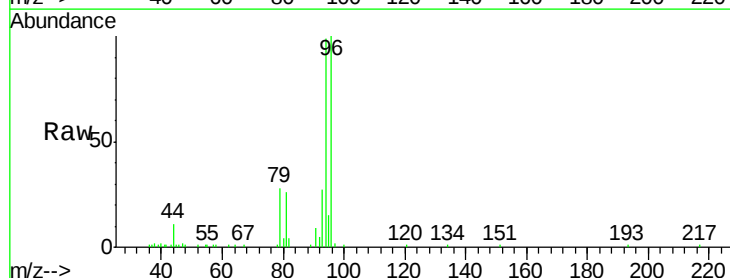
Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

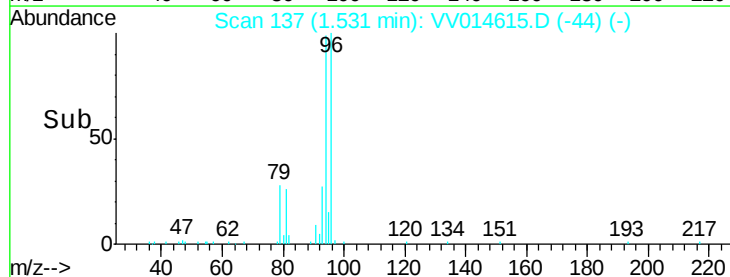
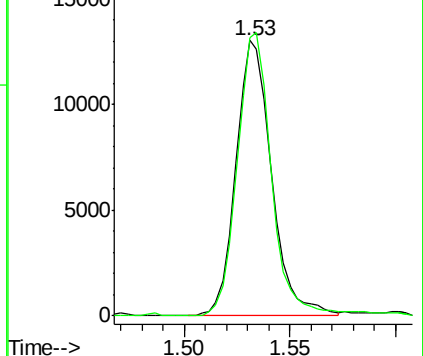
Tgt Ion: 94 Resp: 15296

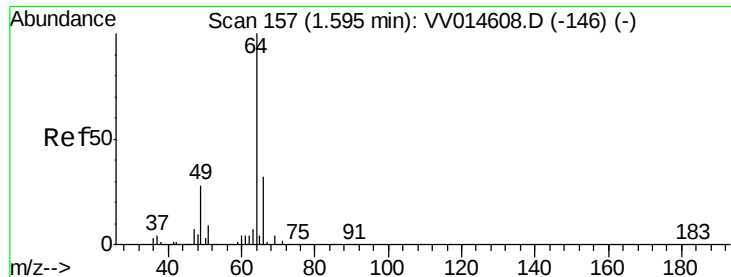
Ion	Ratio	Lower	Upper
94	100		
96	100.9	66.4	123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 23.668 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

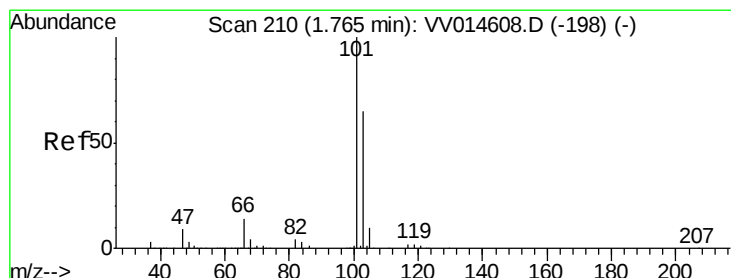
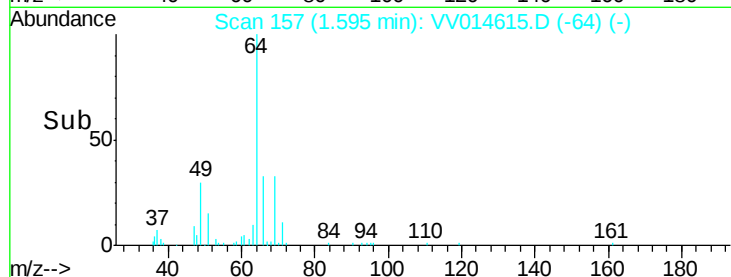
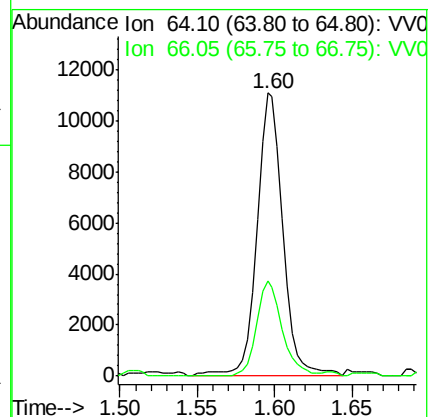
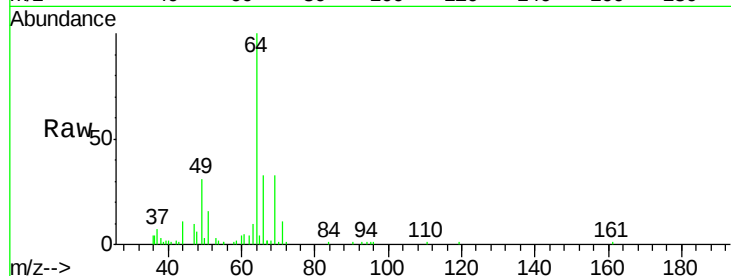
MDL02

Tot Ion: 64 Resp: 13055

Ion Ratio Lower Upper

64 100

66 33.5 22.7 42.3



#9

Trichlorofluoromethane

Concen: 25.031 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014615.D

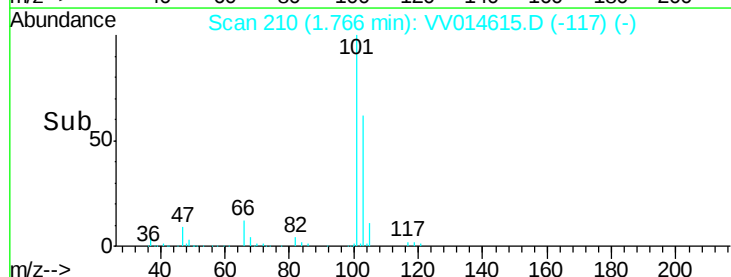
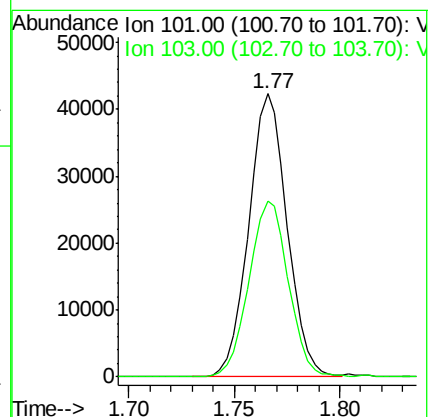
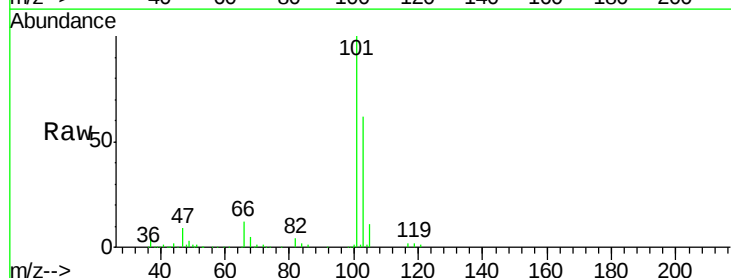
Acq: 19 Feb 2020 18:59

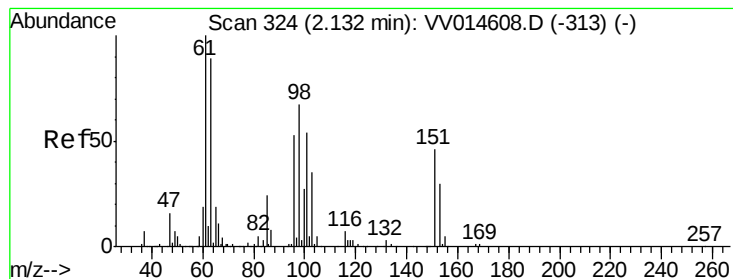
Tgt Ion: 101 Resp: 53533

Ion Ratio Lower Upper

101 100

103 64.0 51.4 77.2





#10

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

Concen: 24.848 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

MDL02

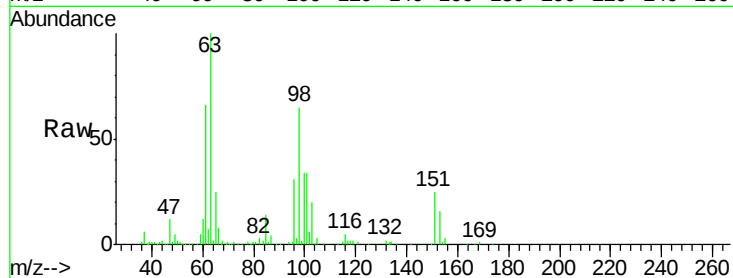
Tot Ion:101 Resp: 22367

Ion Ratio Lower Upper

101 100

85 44.3 37.3 55.9

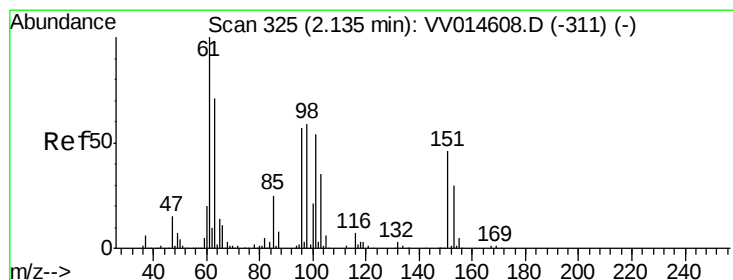
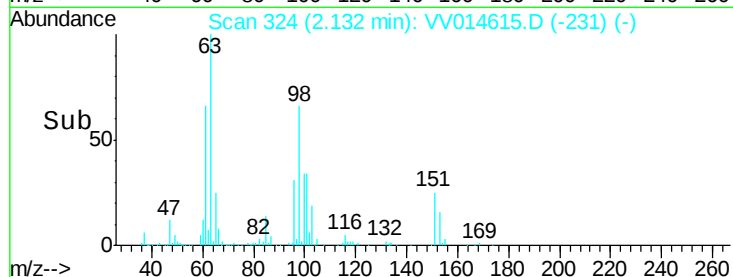
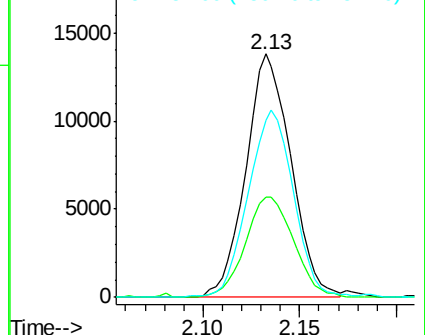
151 77.5 66.3 99.5



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: 24.620 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

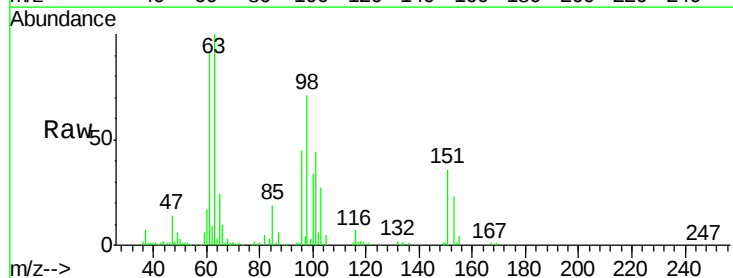
Tgt Ion: 96 Resp: 19794

Ion Ratio Lower Upper

96 100

61 202.9 122.4 227.2

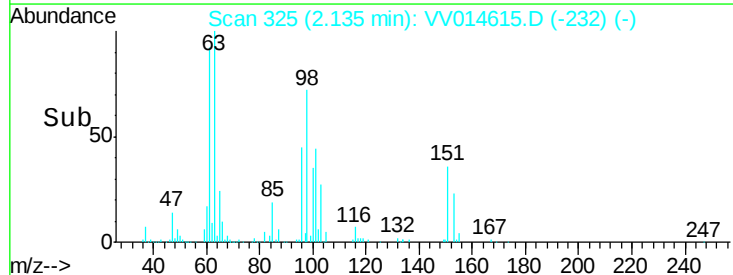
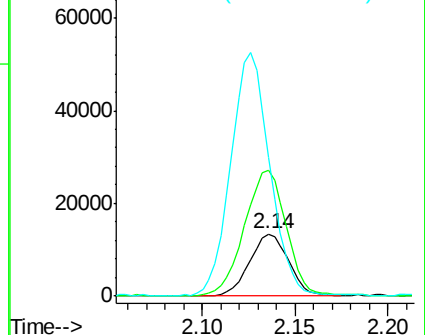
63 221.9 86.9 161.5#

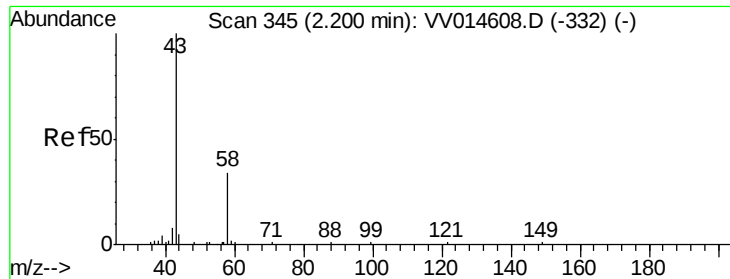


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 243.170 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

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MSVOA_V

ClientSampleId :

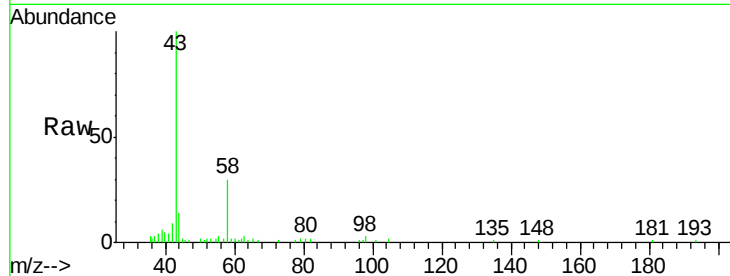
MDL02

Tot Ion: 43 Resp: 26850

Ion Ratio Lower Upper

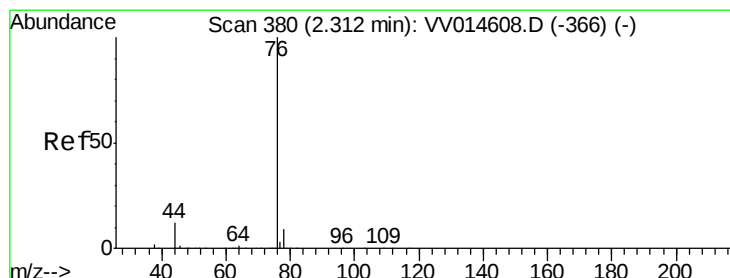
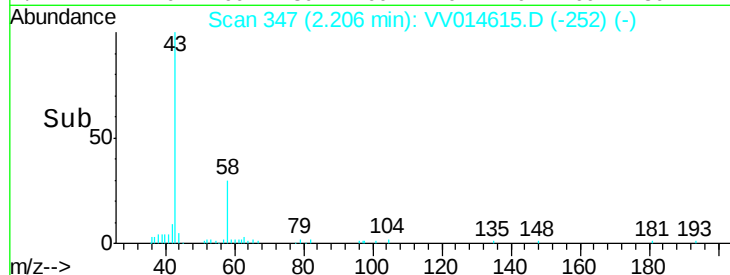
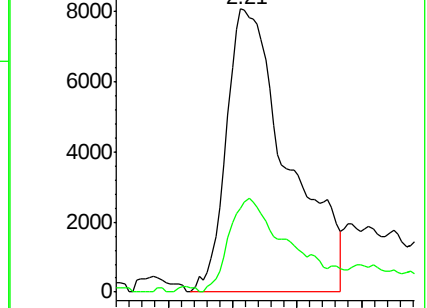
43 100

58 31.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VV014615.D (-252) (-)

Ion 58.05 (57.75 to 58.75): VV014615.D (-252) (-)



#14

Carbon disulfide

Concen: 24.862 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014615.D

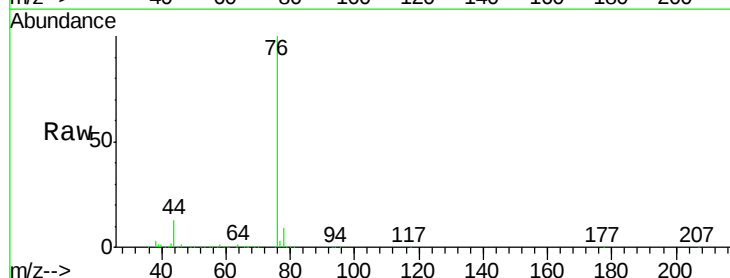
Acq: 19 Feb 2020 18:59

Tgt Ion: 76 Resp: 111766

Ion Ratio Lower Upper

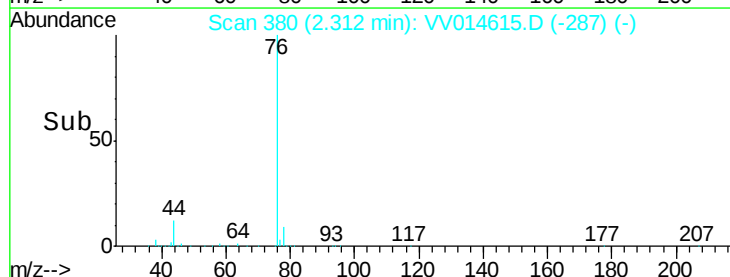
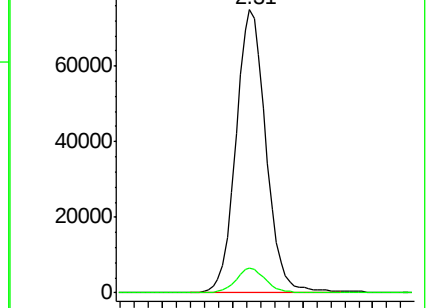
76 100

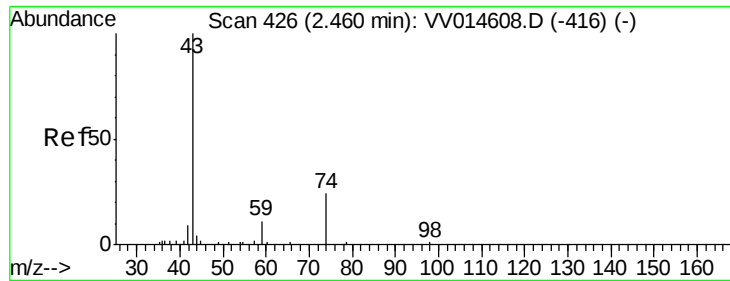
78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV014615.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV014615.D (-287) (-)





#15

Methvl Acetate

Concen: 20.382 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

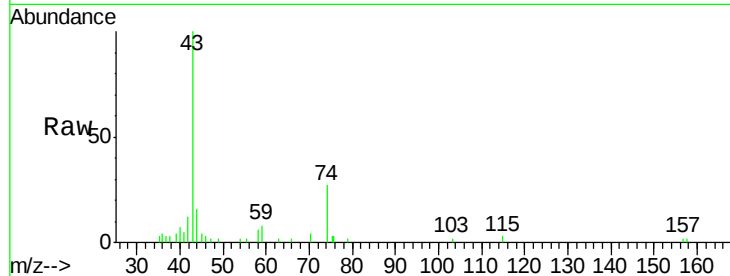
MDL02

Tot Ion: 43 Resp: 8113

Ion Ratio Lower Upper

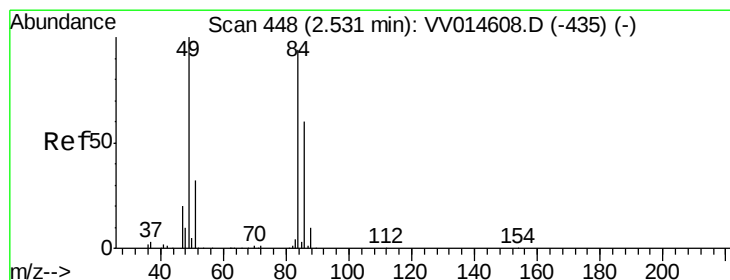
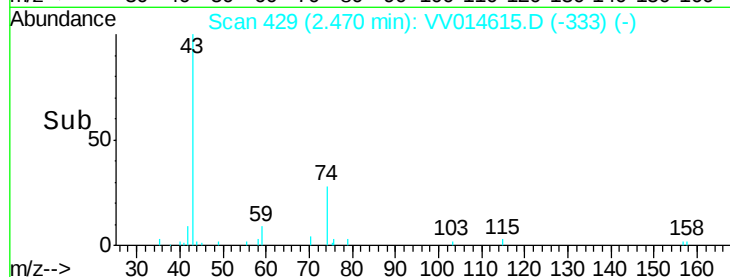
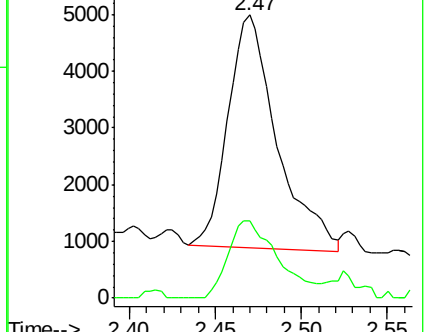
43 100

74 34.4 25.0 37.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 22.999 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

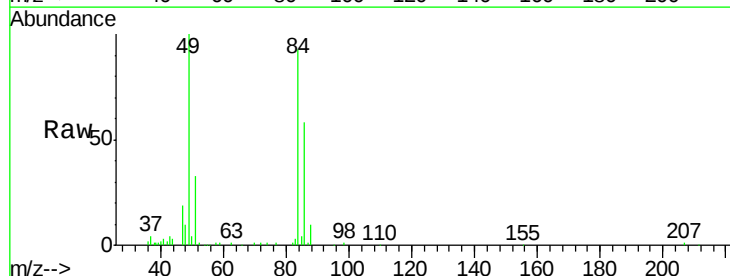
Tgt Ion: 84 Resp: 38621

Ion Ratio Lower Upper

84 100

86 61.9 44.8 83.2

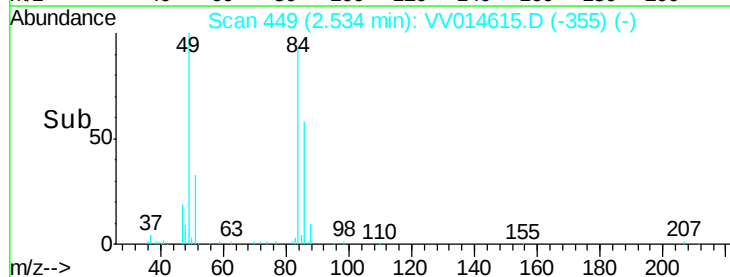
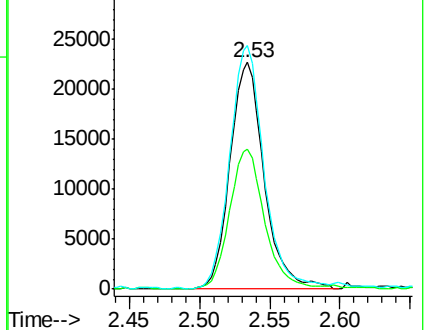
49 107.6 74.8 139.0

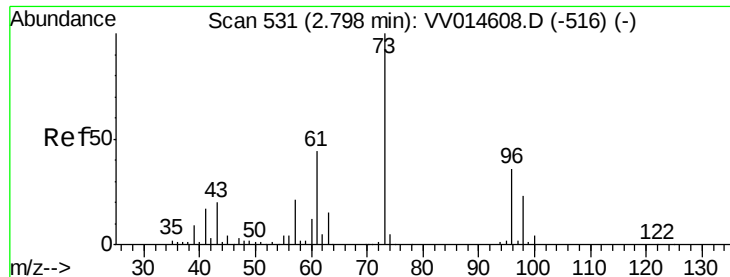


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

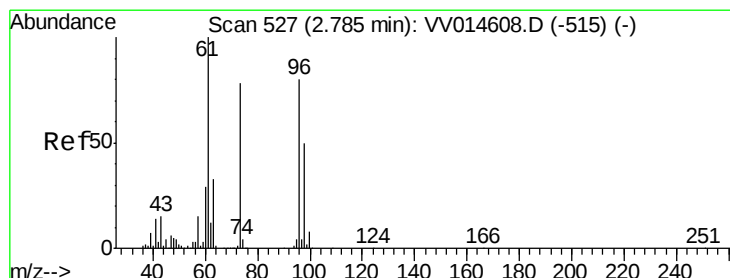
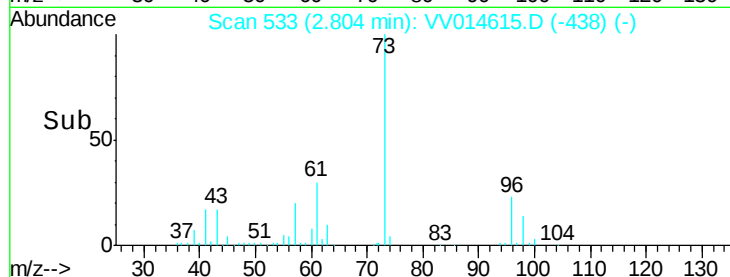
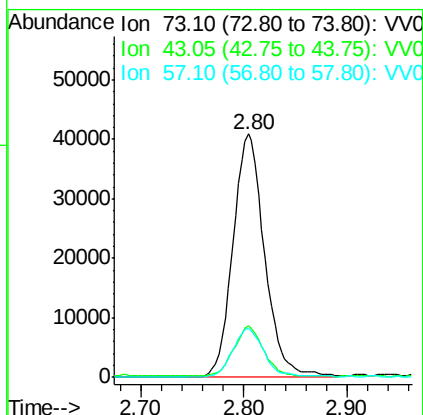
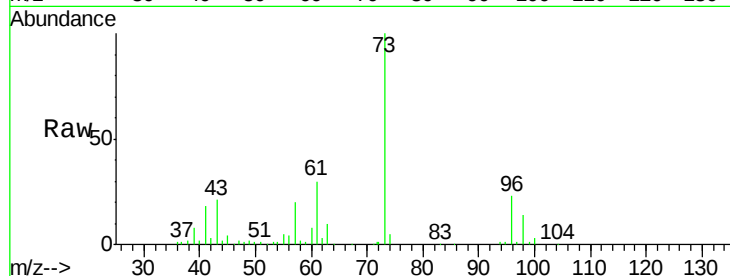




#17
Methvl tert-butvl Ether
Concen: 25.468 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

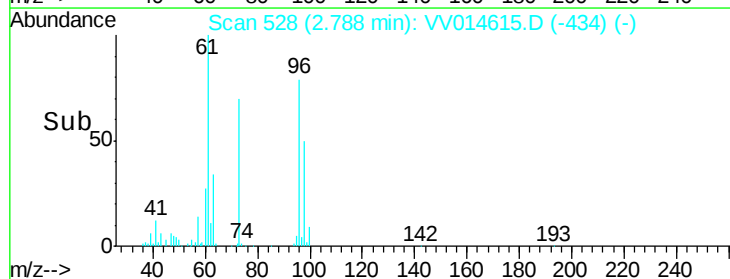
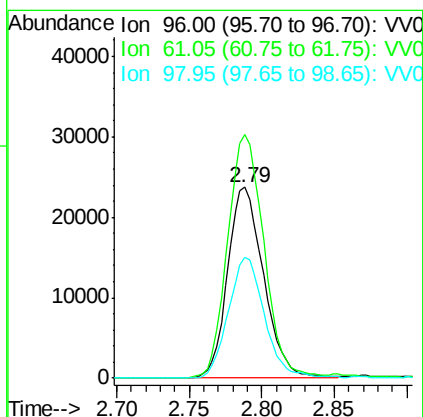
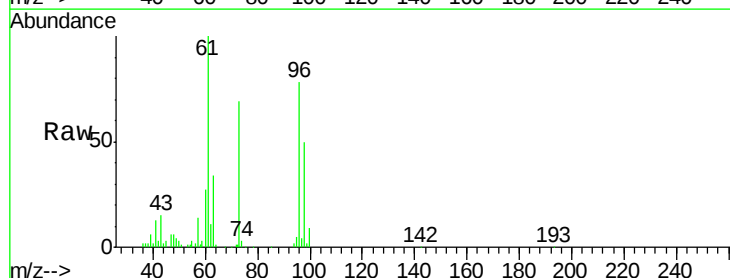
Instrument :
MSVOA_V
ClientSampled :
MDL02

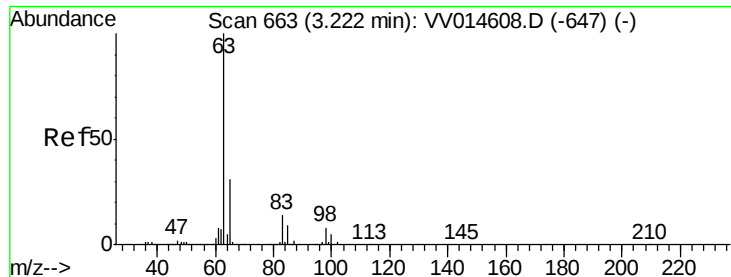
Tot Ion: 73 Resp: 87644
Ion Ratio Lower Upper
73 100
43 19.1 15.1 22.7
57 19.3 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 24.629 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Tgt Ion: 96 Resp: 41101
Ion Ratio Lower Upper
96 100
61 127.7 87.2 162.0
98 63.3 43.4 80.6

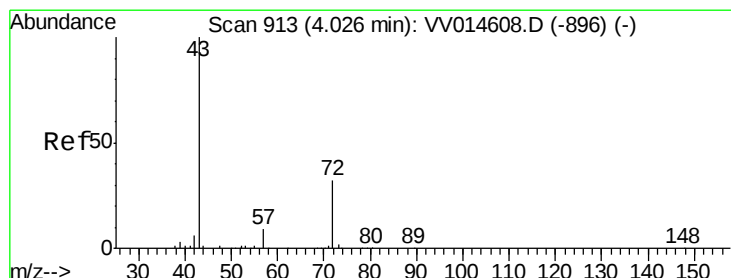
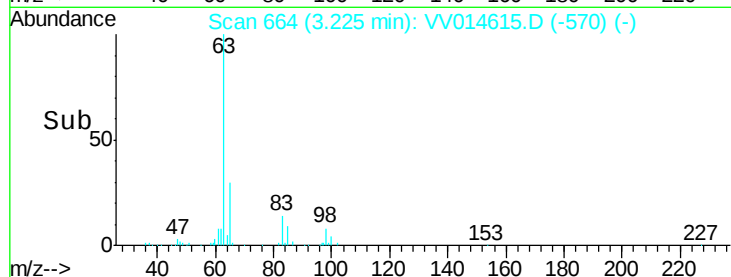
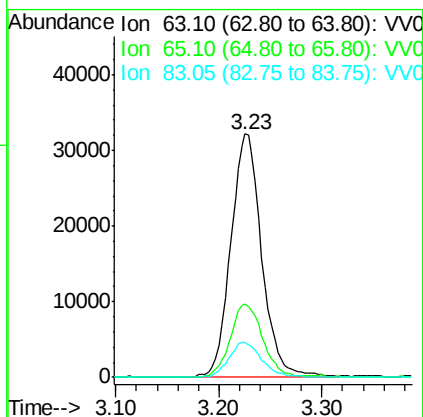
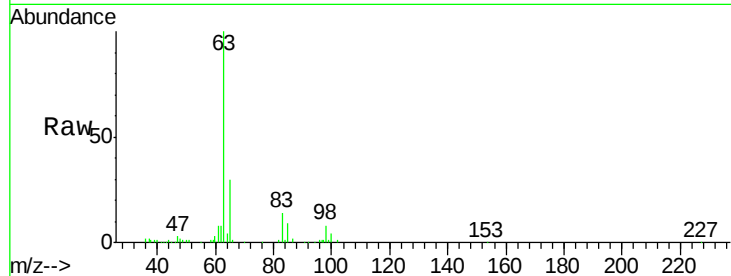




#19
 1,1-Dichloroethane
 Concen: 24.625 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

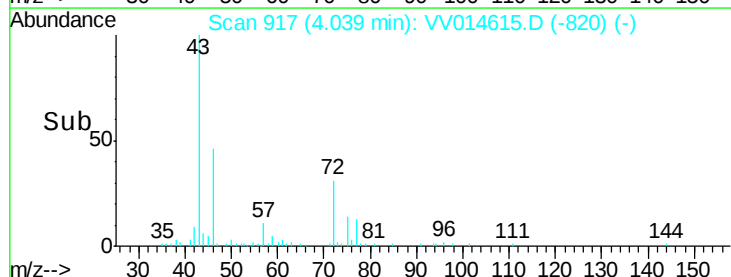
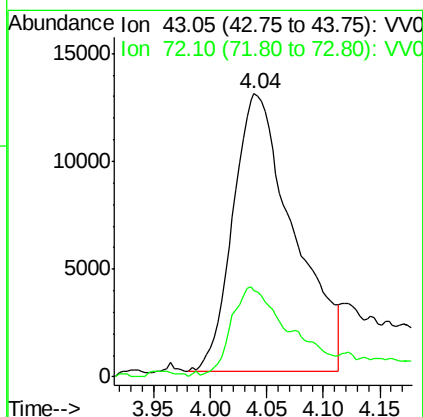
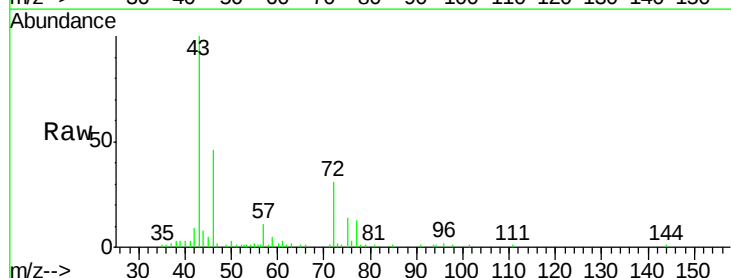
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

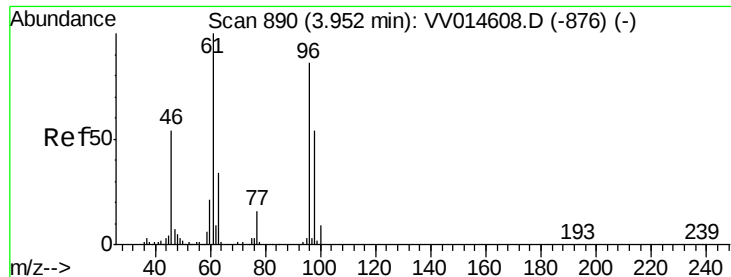
Tot Ion: 63 Resp: 67284
 Ion Ratio Lower Upper
 63 100
 65 30.0 21.4 39.8
 83 14.2 10.0 18.6



#21
 2-Butanone
 Concen: 236.403 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Tgt Ion: 43 Resp: 47986
 Ion Ratio Lower Upper
 43 100
 72 30.3 11.5 34.5



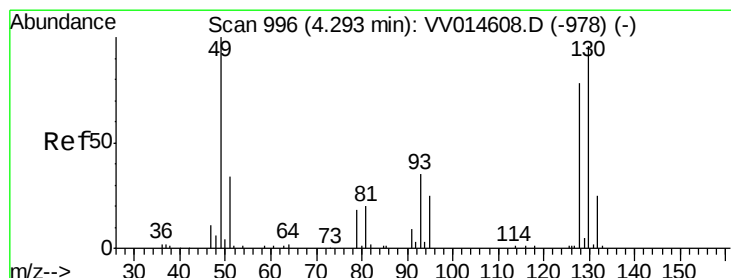
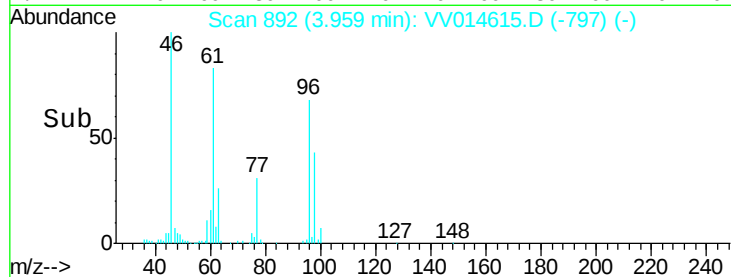
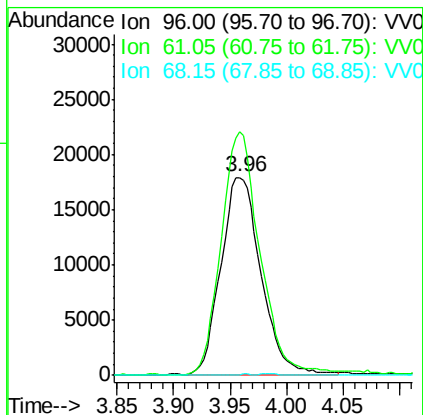
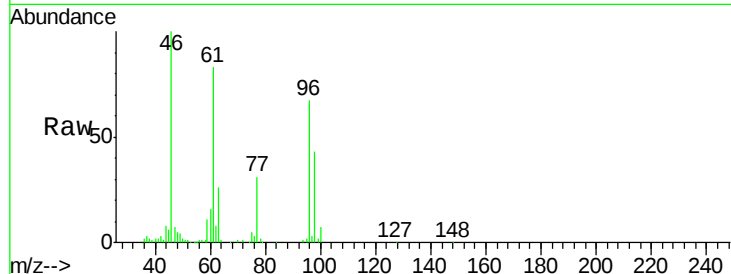


#22

cis-1,2-Dichloroethene
 Concen: 25.126 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

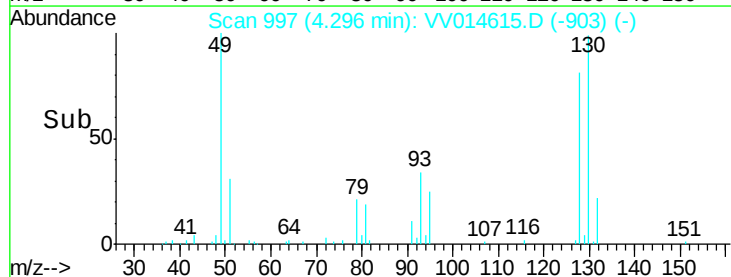
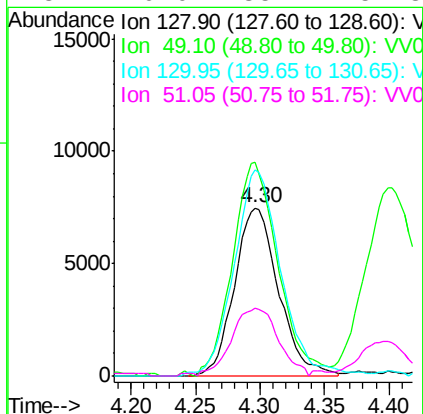
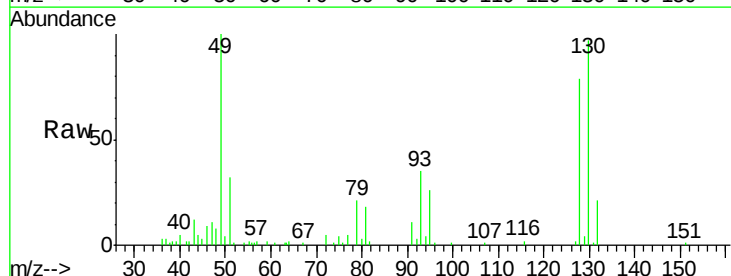
Tot Ion: 96 Resp: 44522
 Ion Ratio Lower Upper
 96 100
 61 123.2 81.5 151.5
 68 0.0 0.0 0.0

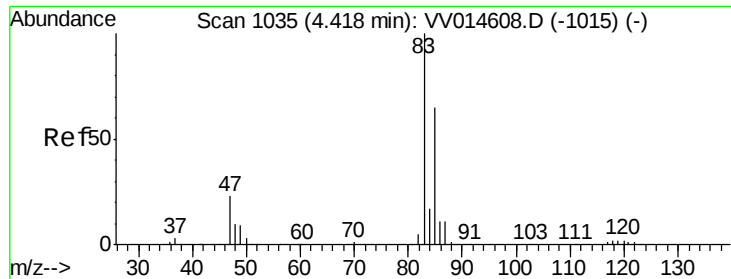


#23

Bromochloromethane
 Concen: 24.168 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Tgt Ion: 128 Resp: 17831
 Ion Ratio Lower Upper
 128 100
 49 126.9 90.2 167.4
 130 122.7 85.6 159.0
 51 40.0 35.2 52.8

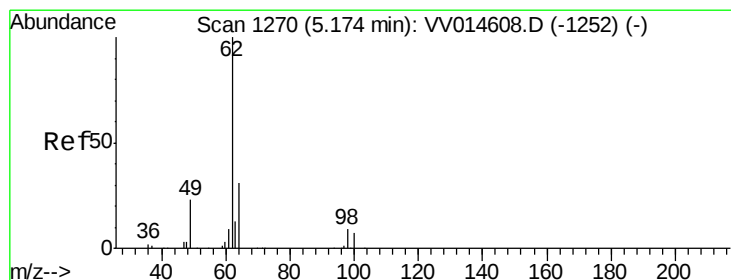
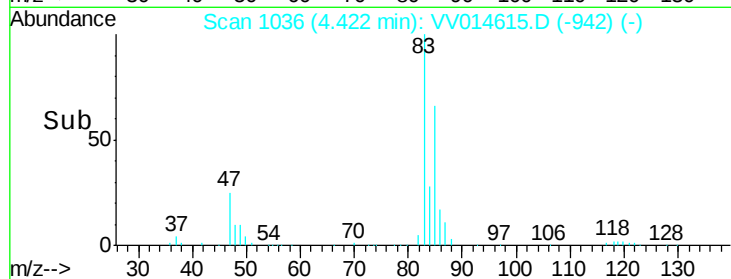
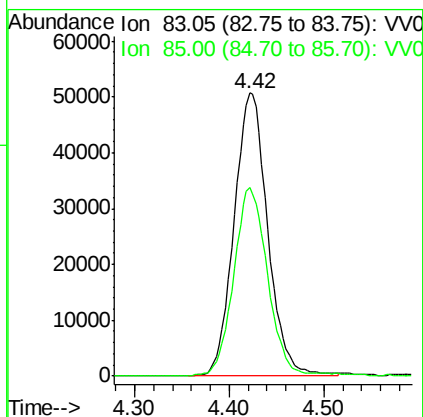
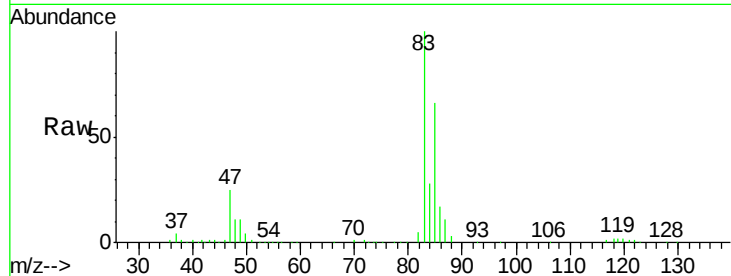




#25
Chloroform
Concen: 32.372 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

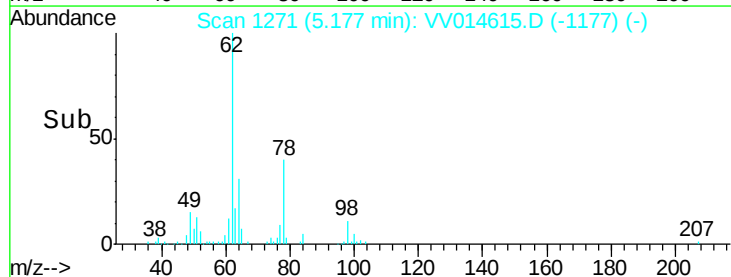
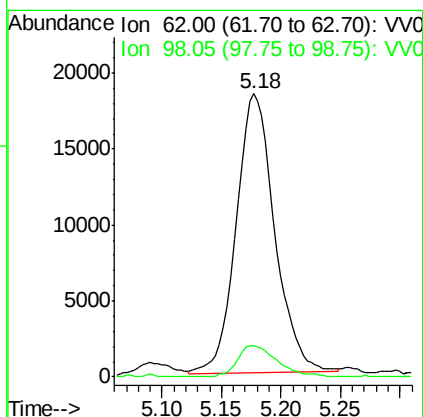
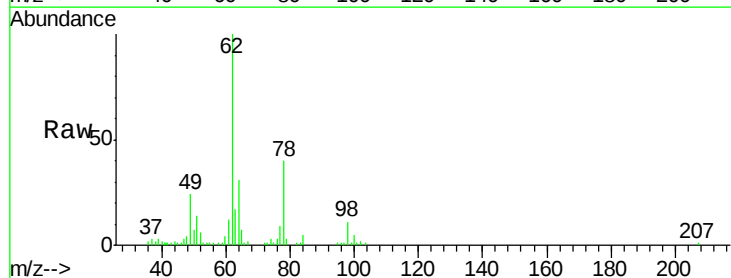
Instrument :
MSVOA_V
ClientSampleId :
MDL02

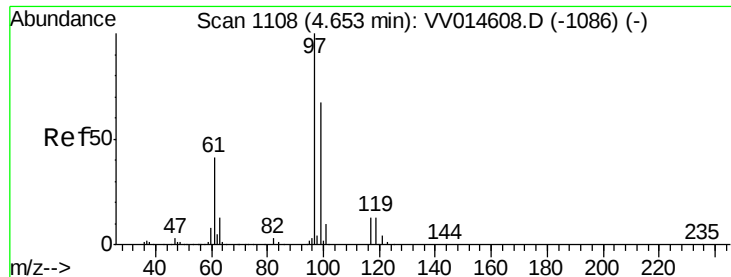
Tot Ion: 83 Resp: 125436
Ion Ratio Lower Upper
83 100
85 66.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 25.270 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Tgt Ion: 62 Resp: 41349
Ion Ratio Lower Upper
62 100
98 10.9 7.0 10.4#





#29

1,1,1-Trichloroethane

Concen: 23.282 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

MDL02

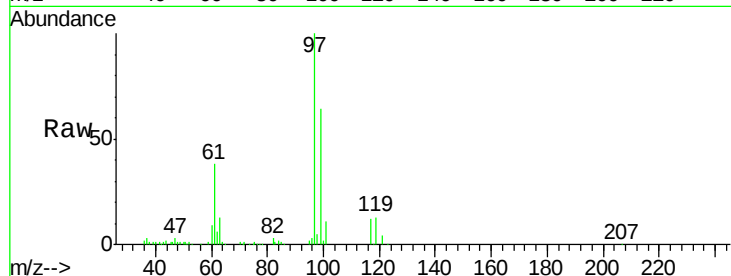
Tot Ion: 97 Resp: 68442

Ion Ratio Lower Upper

97 100

99 63.5 52.1 78.1

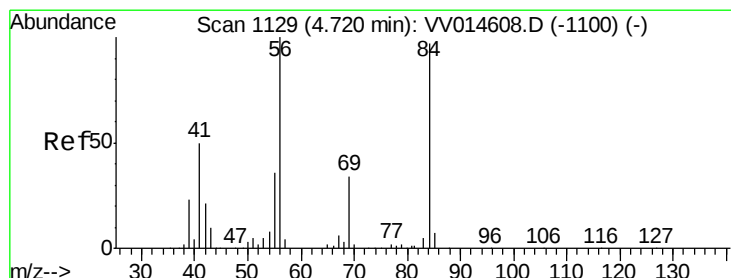
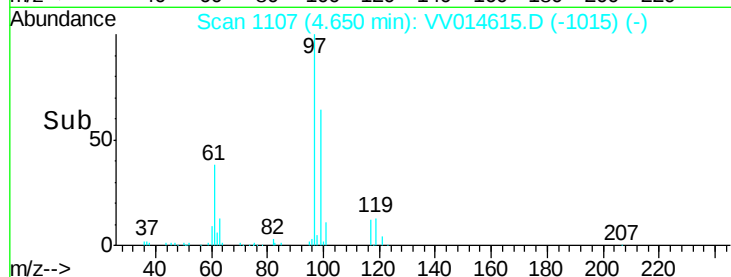
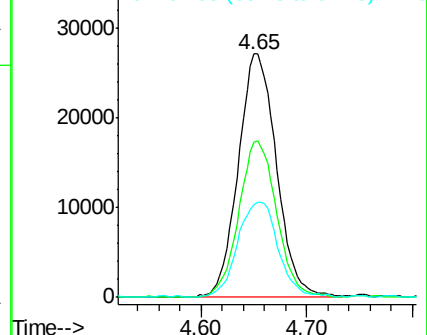
61 41.7 32.8 49.2



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: 23.128 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

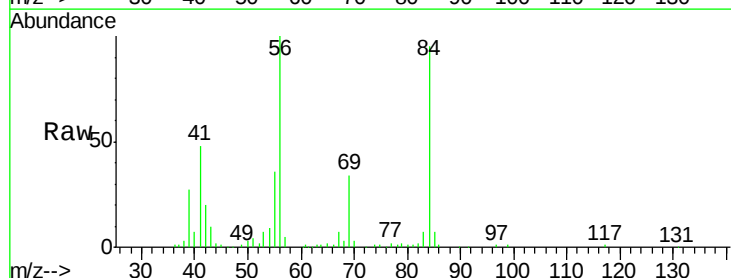
Tgt Ion: 56 Resp: 63331

Ion Ratio Lower Upper

56 100

69 34.4 26.7 40.1

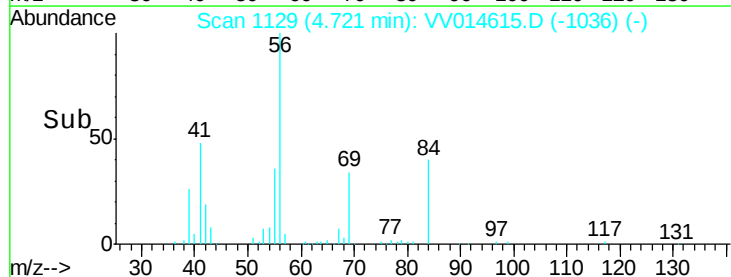
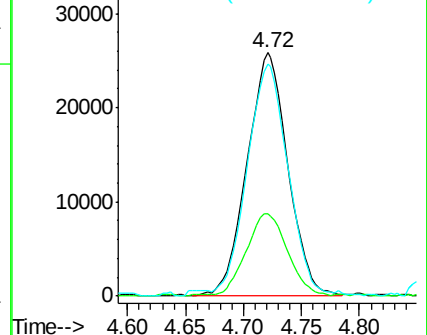
84 93.3 75.9 113.9

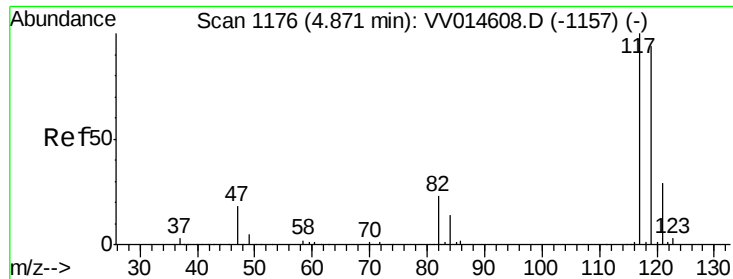


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 23.464 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

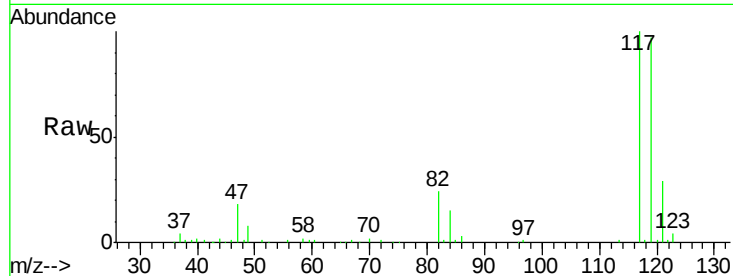
MDL02

Tot Ion:117 Resp: 59820

Ion Ratio Lower Upper

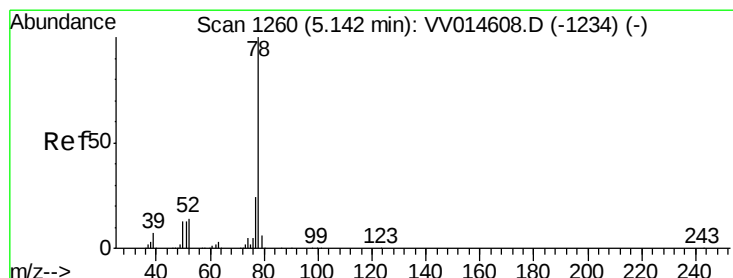
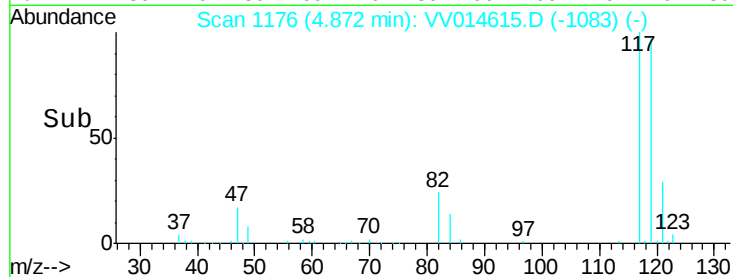
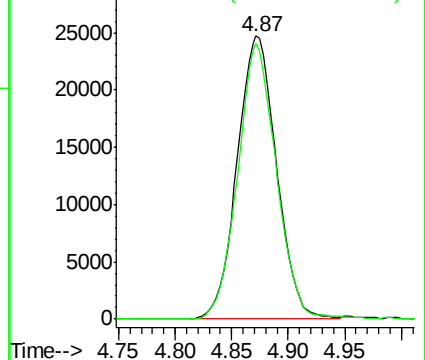
117 100

119 94.8 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 24.084 ug/L

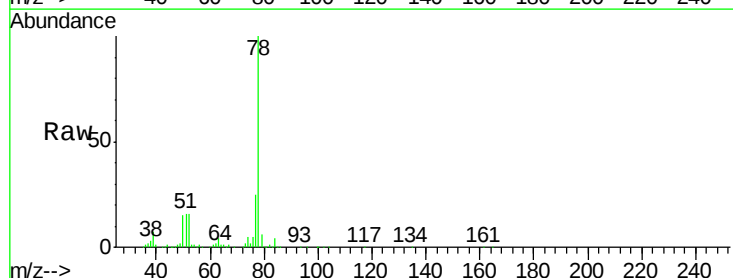
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

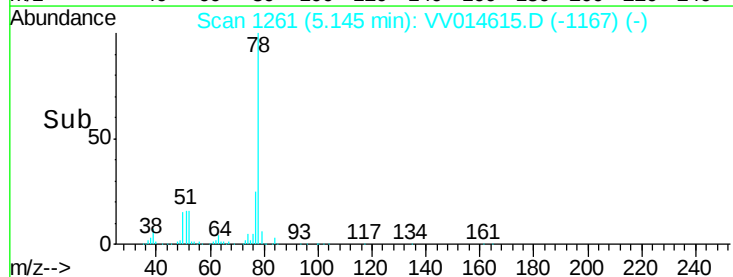
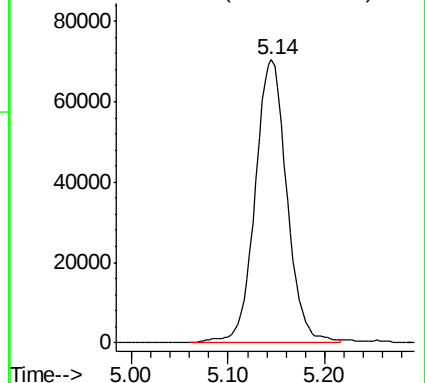
Lab File: VV014615.D

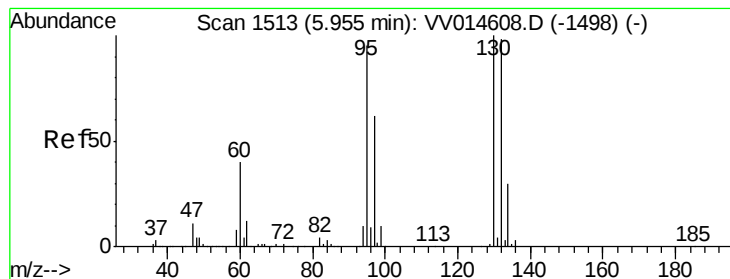
Acq: 19 Feb 2020 18:59

Tgt Ion: 78 Resp: 160651



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 23.648 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 95 Resp: 44861

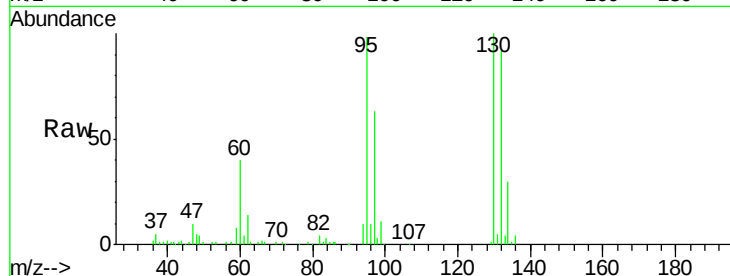
Ion Ratio Lower Upper

95 100

97 64.7 45.4 84.2

132 94.0 72.4 134.4

130 101.9 73.7 136.9

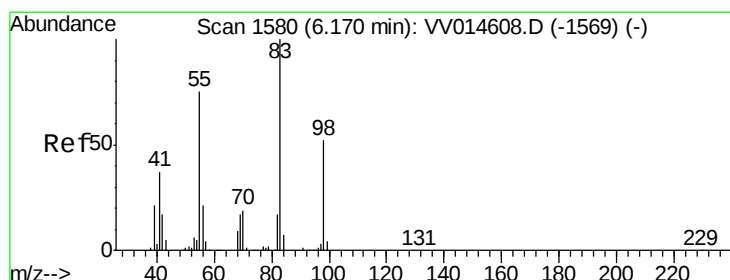
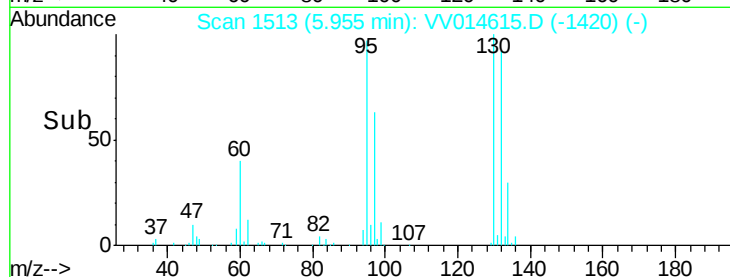
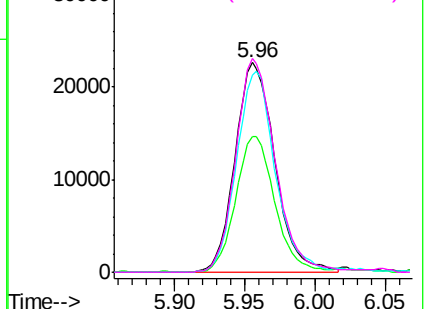


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 22.943 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

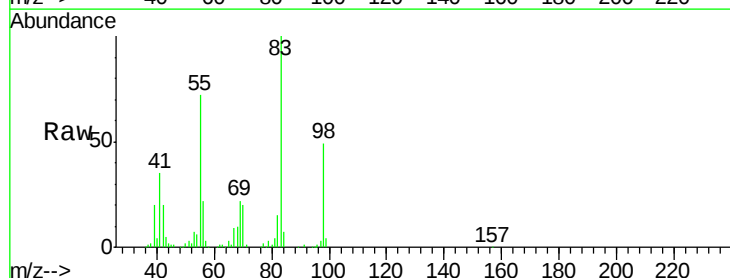
Tgt Ion: 83 Resp: 72335

Ion Ratio Lower Upper

83 100

55 71.7 57.1 85.7

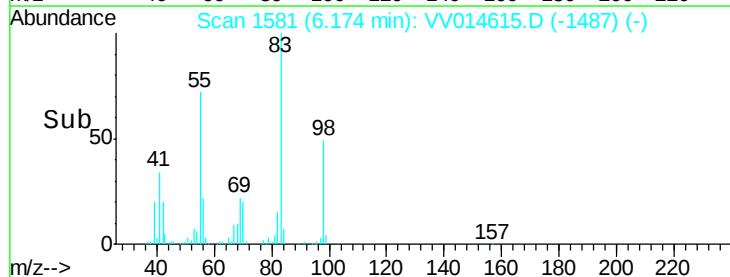
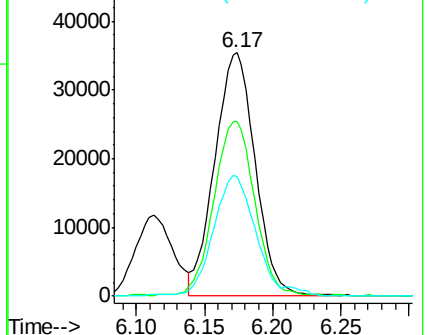
98 51.5 40.2 60.2

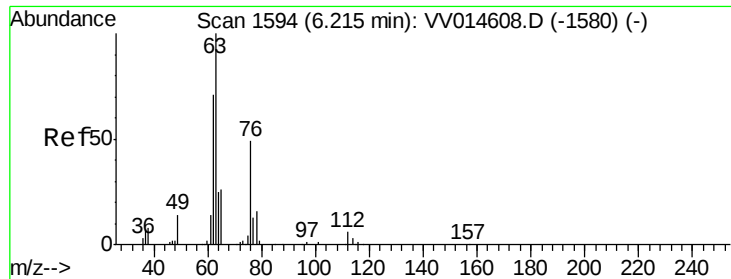


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 21.697 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

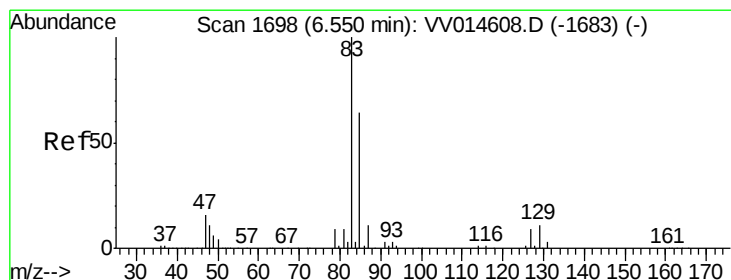
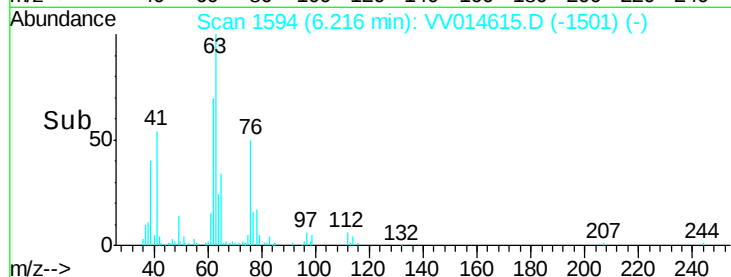
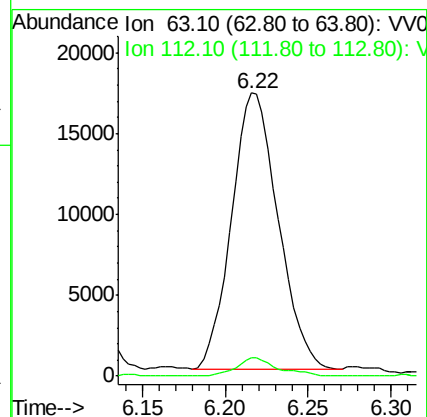
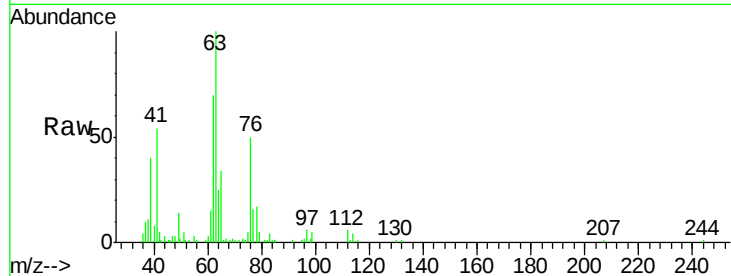
Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 63 Resp: 33547

Ion Ratio Lower Upper

63 100

112 5.8 4.3 6.5



#38

Bromodichloromethane

Concen: 23.062 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

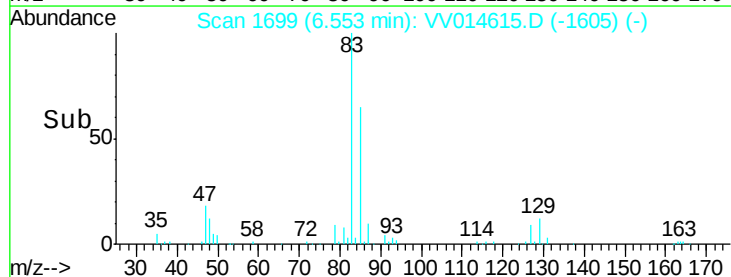
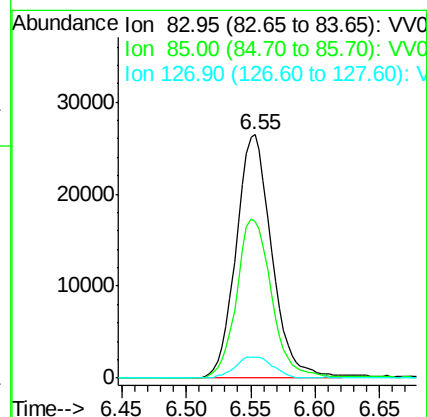
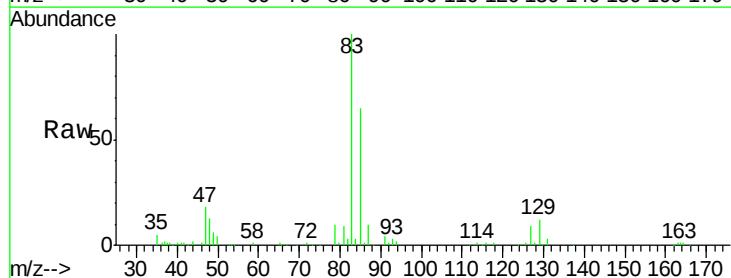
Tgt Ion: 83 Resp: 50959

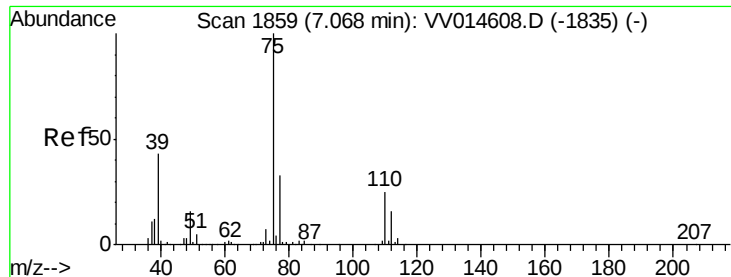
Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 8.6 7.0 10.6

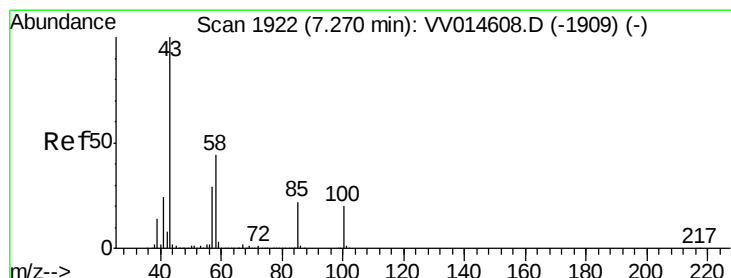
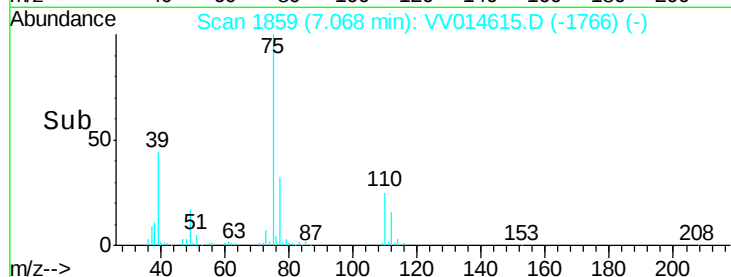
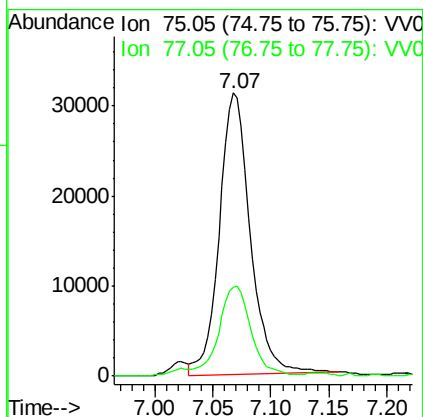
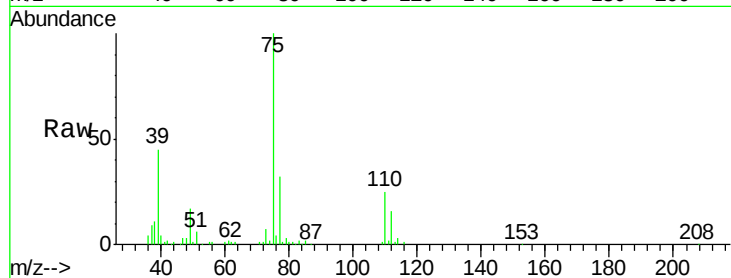




#39
 cis-1,3-Dichloropropene
 Concen: 23.319 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

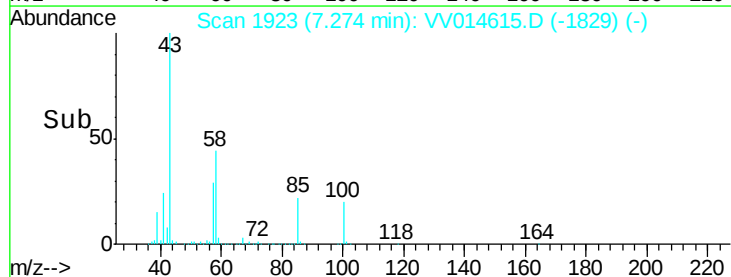
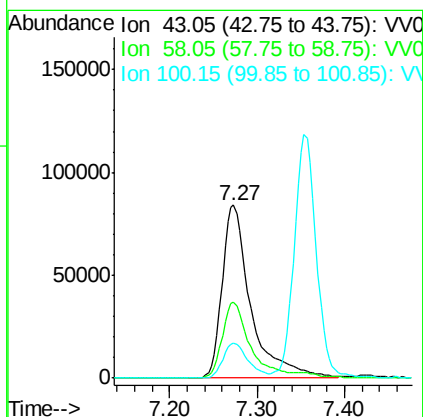
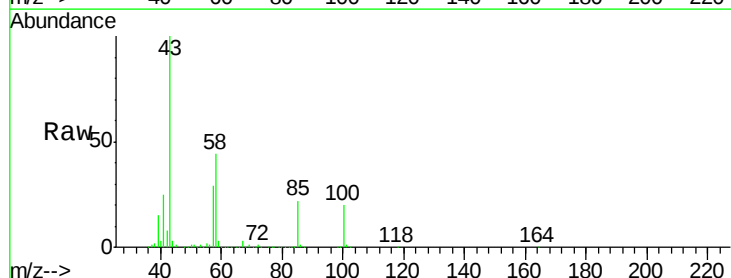
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

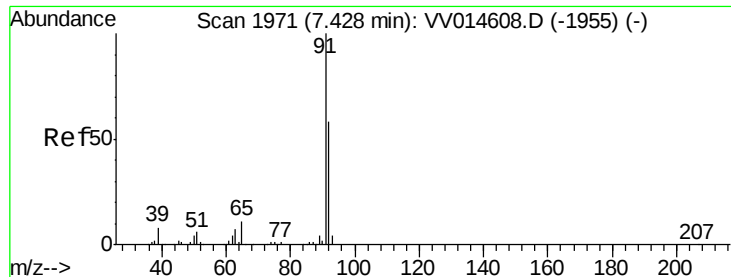
Tot Ion: 75 Resp: 57980
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 255.842 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Tgt Ion: 43 Resp: 192036
 Ion Ratio Lower Upper
 43 100
 58 42.2 36.2 54.2
 100 18.0 14.7 22.1





#42

Toluene

Concen: 24.370 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

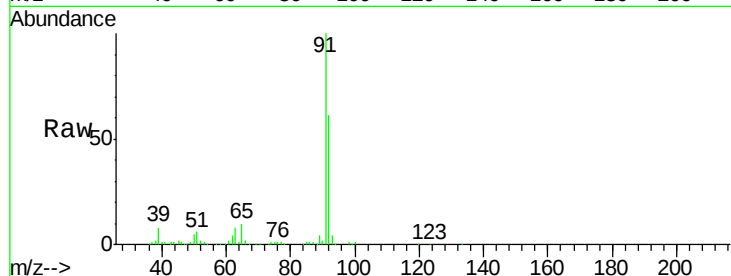
MDL02

Tot Ion: 91 Resp: 178057

Ion Ratio Lower Upper

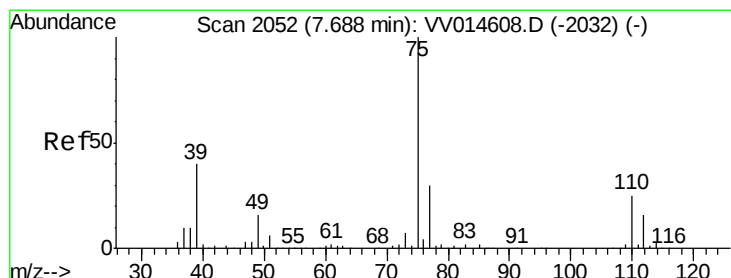
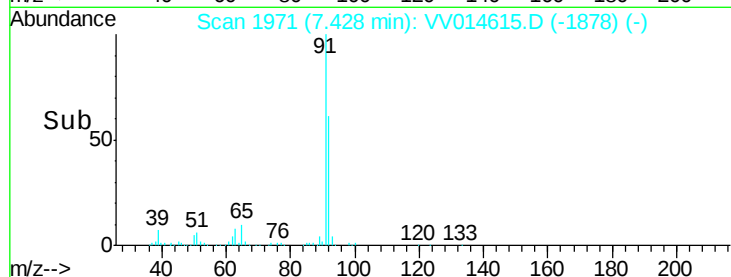
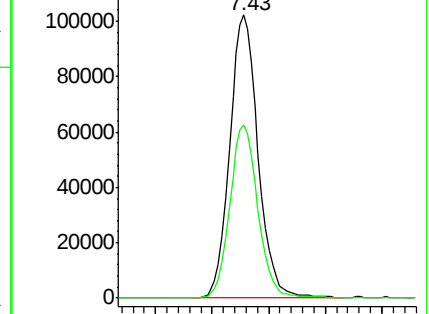
91 100

92 61.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV014615.D (-1878) (-)

Ion 92.15 (91.85 to 92.85): VV014615.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 23.723 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014615.D

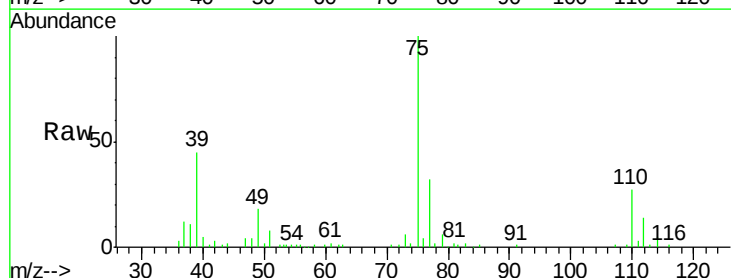
Acq: 19 Feb 2020 18:59

Tgt Ion: 75 Resp: 47023

Ion Ratio Lower Upper

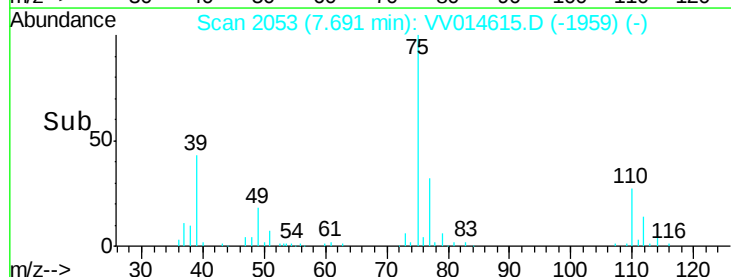
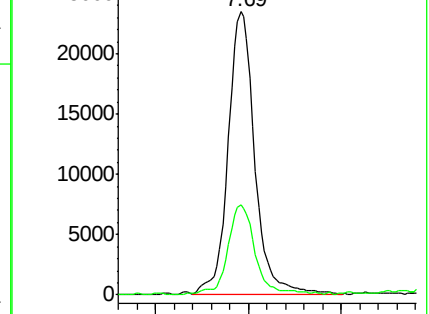
75 100

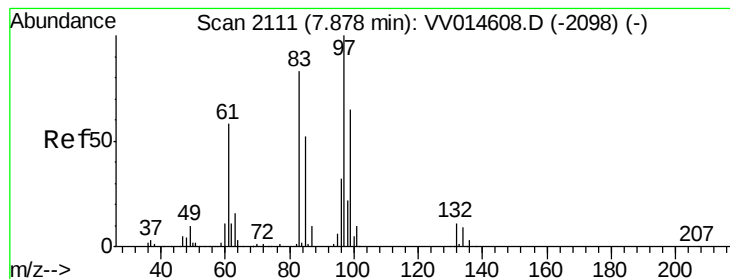
77 31.6 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV014615.D (-1959) (-)

Ion 77.05 (76.75 to 77.75): VV014615.D (-1959) (-)





#45

1,1,2-Trichloroethane

Concen: 23.643 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 97 Resp: 27392

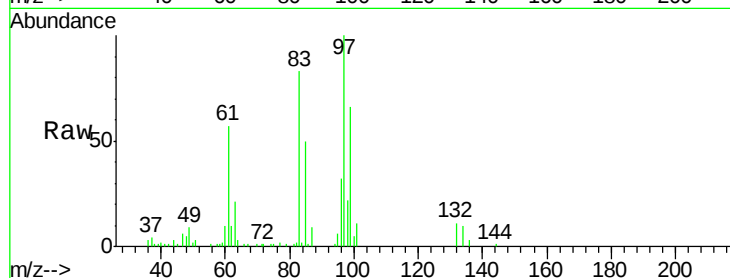
Ion Ratio Lower Upper

97 100

99 65.5 45.2 84.0

83 83.2 58.3 108.3

85 49.8 36.3 67.5

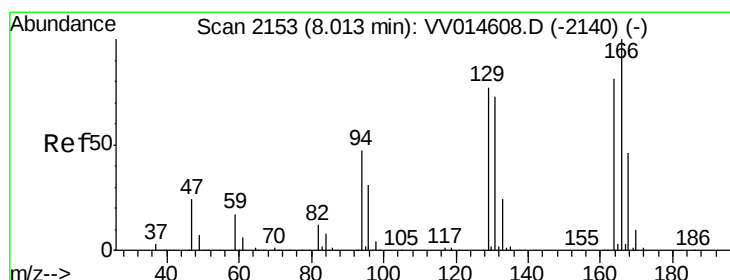
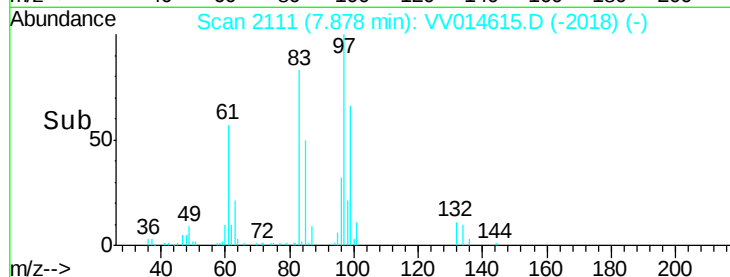
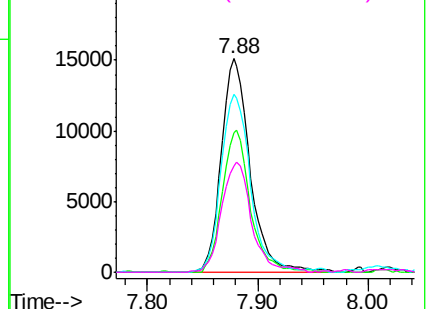


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 23.660 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Tgt Ion: 164 Resp: 35421

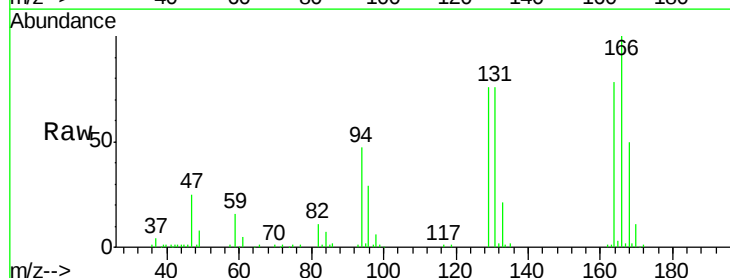
Ion Ratio Lower Upper

164 100

129 98.4 67.0 124.4

131 98.2 63.6 118.2

166 128.8 86.7 161.1

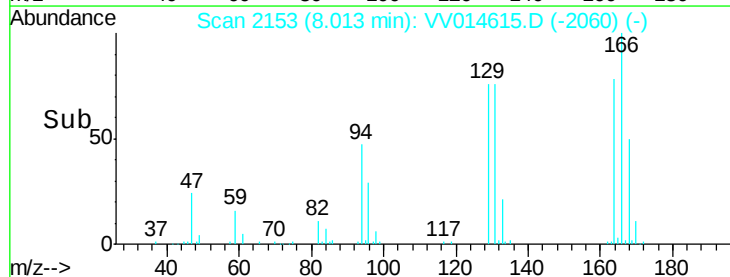
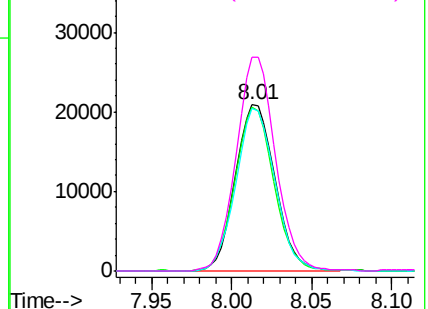


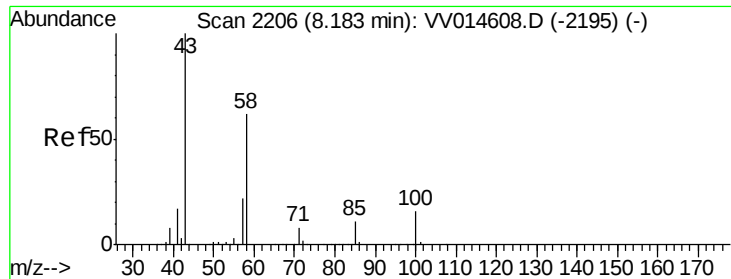
Abundance Ion 163.90 (163.60 to 164.60): V

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

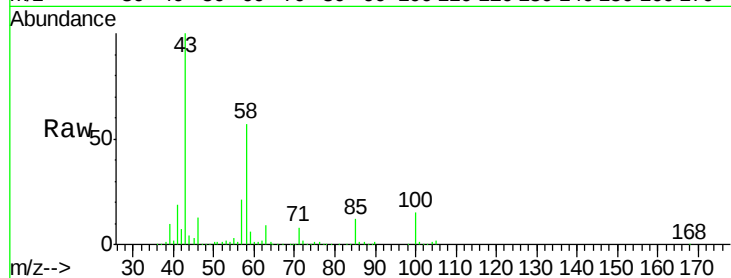




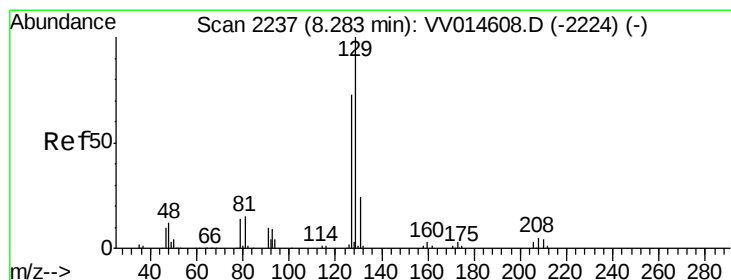
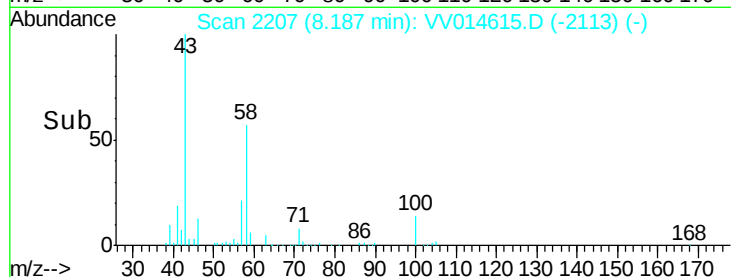
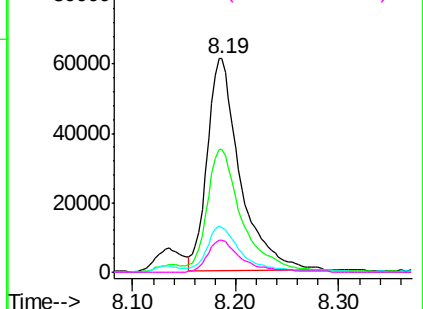
#48
2-Hexanone
Concen: 250.981 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 135547
Ion Ratio Lower Upper
43 100
58 60.5 48.6 73.0
57 22.9 17.7 26.5
100 15.7 12.8 19.2

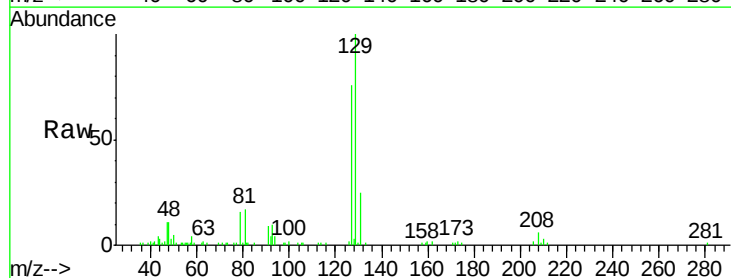


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

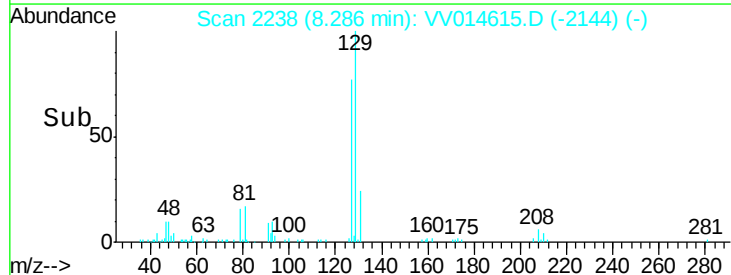
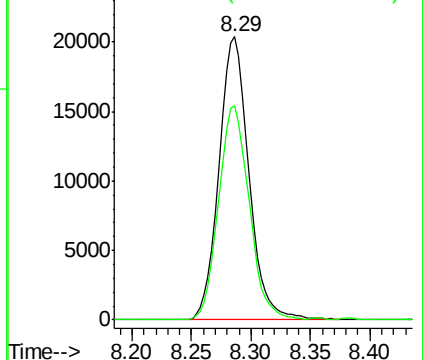


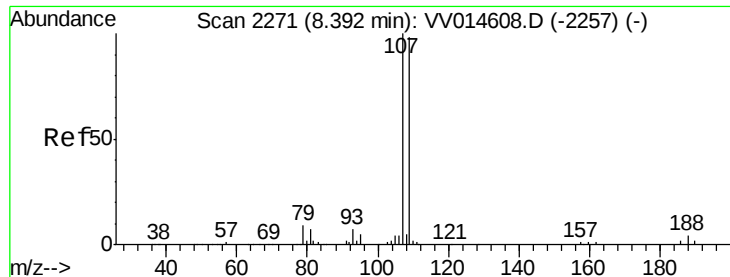
#49
Dibromochloromethane
Concen: 23.739 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Tgt Ion: 129 Resp: 35609
Ion Ratio Lower Upper
129 100
127 75.8 50.9 94.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

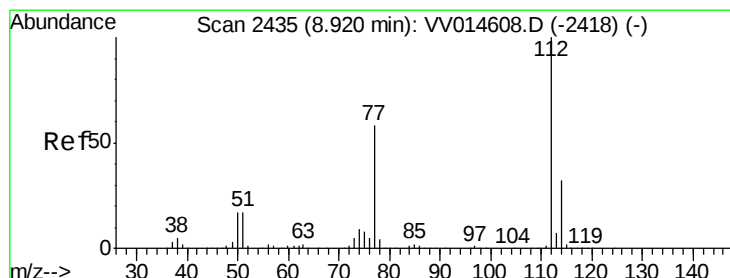
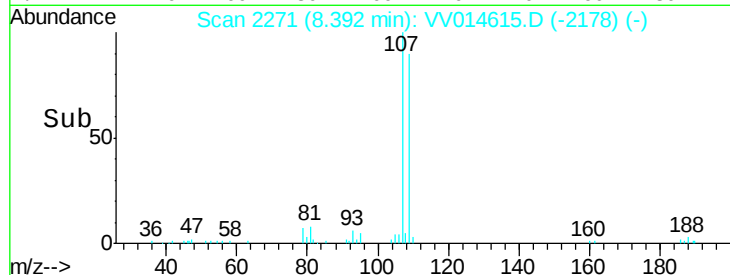
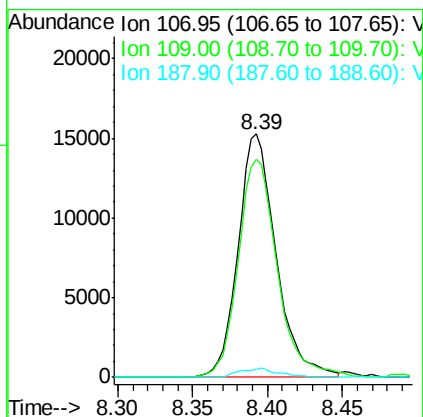
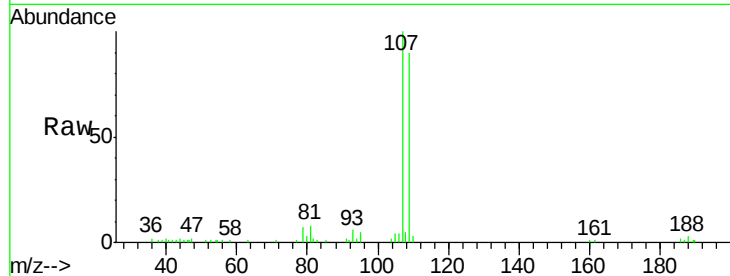




#50
1,2-Dibromoethane
Concen: 24.497 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

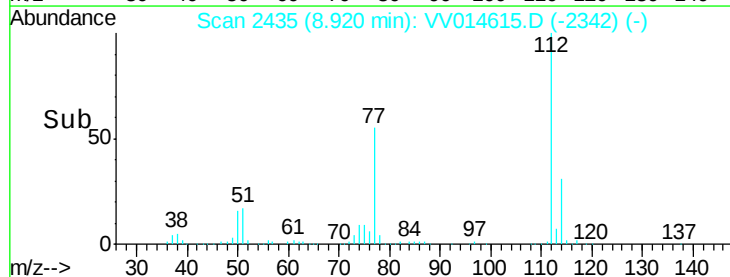
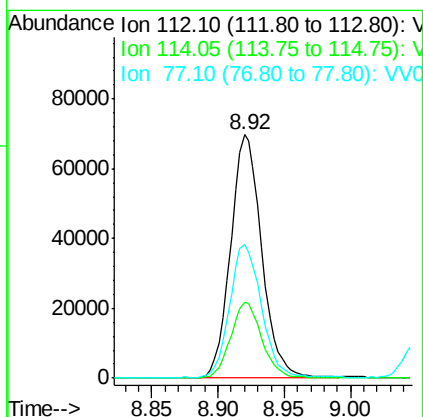
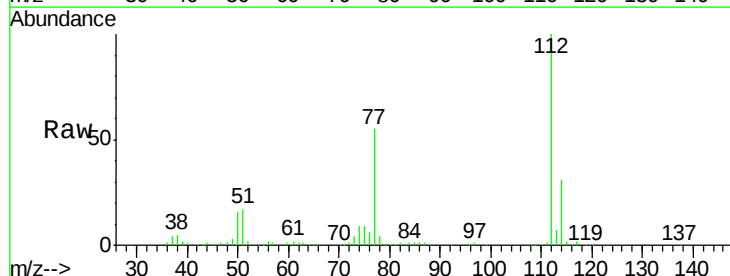
Instrument :
MSVOA_V
ClientSampleId :
MDL02

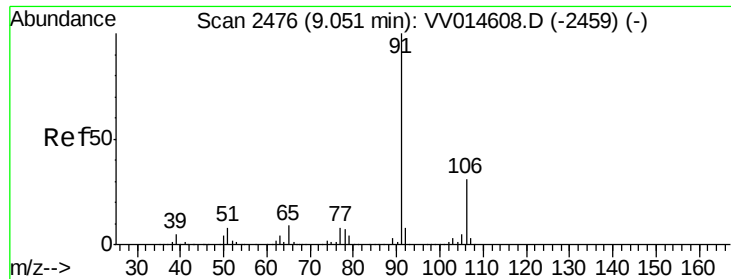
Tot Ion:107 Resp: 26994
Ion Ratio Lower Upper
107 100
109 89.8 68.7 127.5
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 23.595 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Tgt Ion:112 Resp: 113737
Ion Ratio Lower Upper
112 100
114 31.0 22.5 41.9
77 54.9 46.6 70.0





#52

Ethylbenzene

Concen: 23.996 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

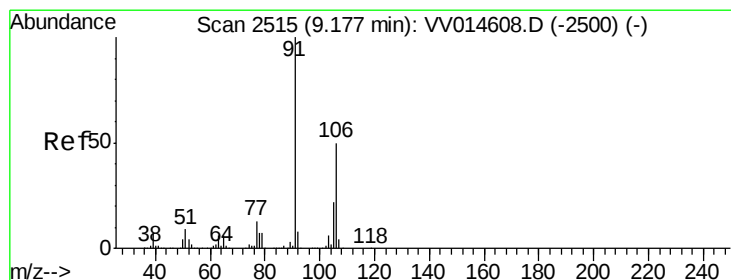
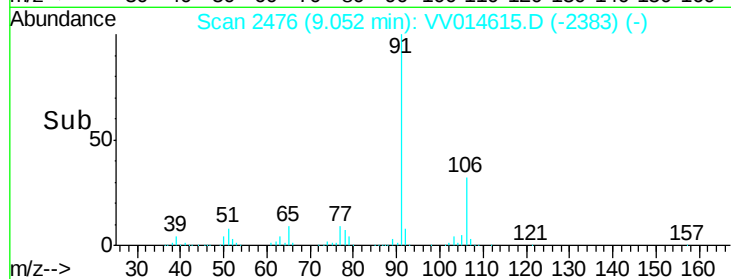
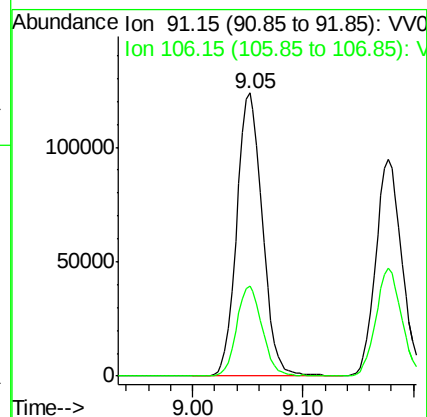
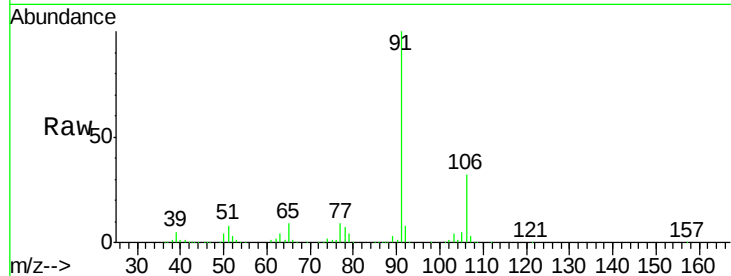
MDL02

Tot Ion: 91 Resp: 199615

Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.6



#53

m,p-xylene

Concen: 24.030 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014615.D

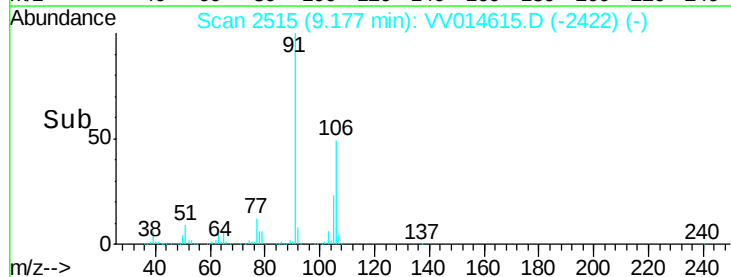
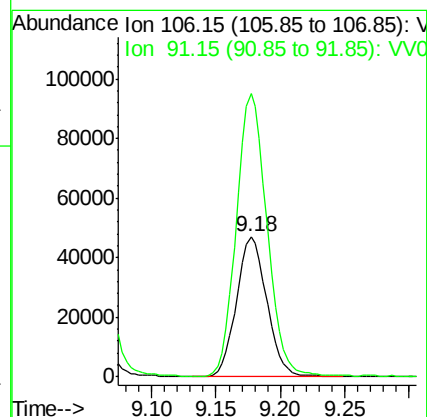
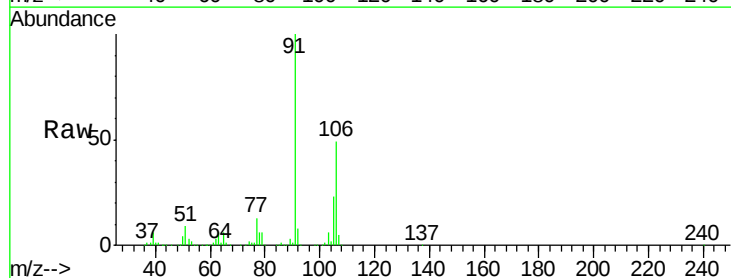
Acq: 19 Feb 2020 18:59

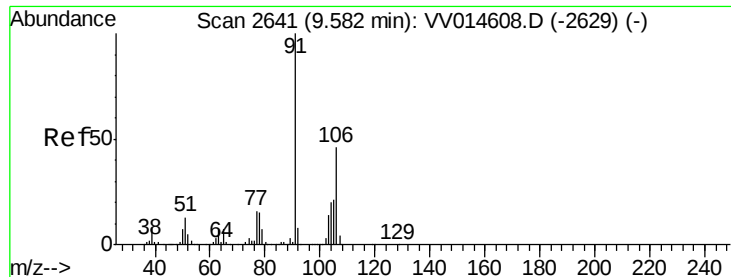
Tgt Ion: 106 Resp: 76494

Ion Ratio Lower Upper

106 100

91 202.2 139.6 259.2





#54

o-xylene

Concen: 24.942 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

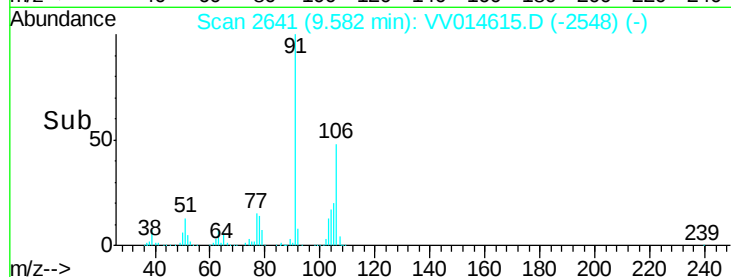
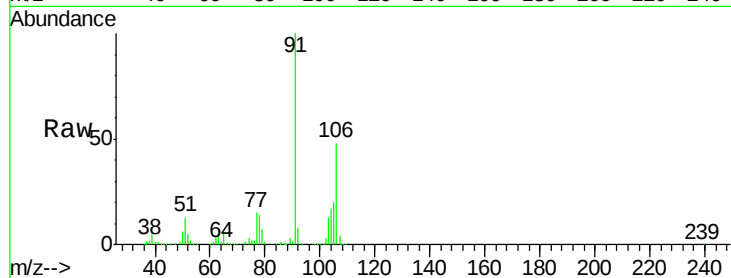
MDL02

Tot Ion:106 Resp: 76247

Ion Ratio Lower Upper

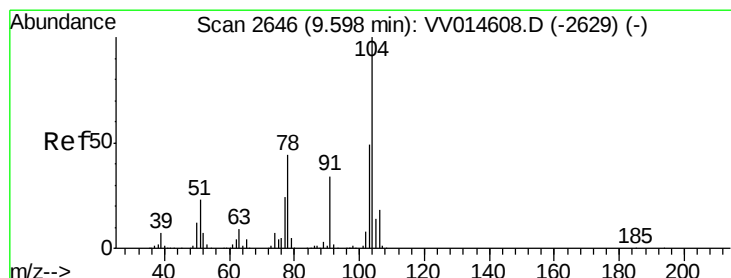
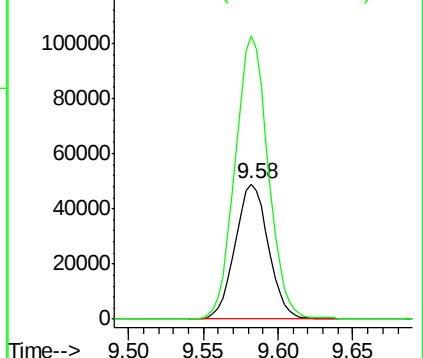
106 100

91 209.8 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 23.886 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014615.D

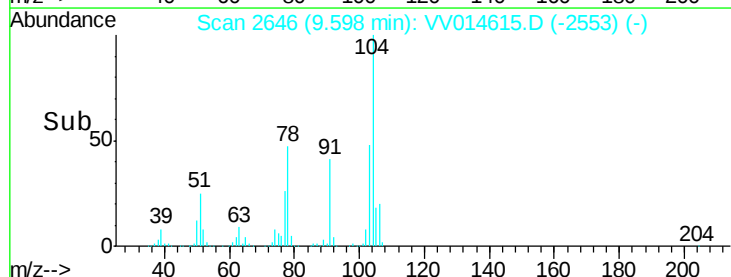
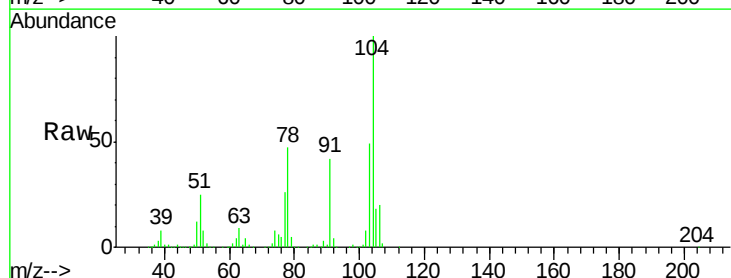
Acq: 19 Feb 2020 18:59

Tgt Ion:104 Resp: 120601

Ion Ratio Lower Upper

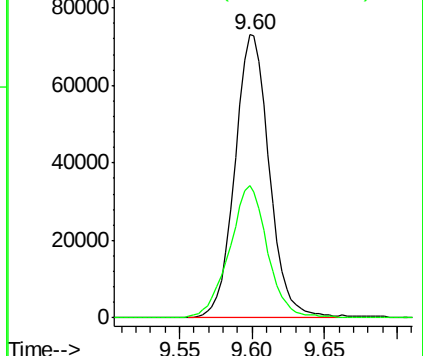
104 100

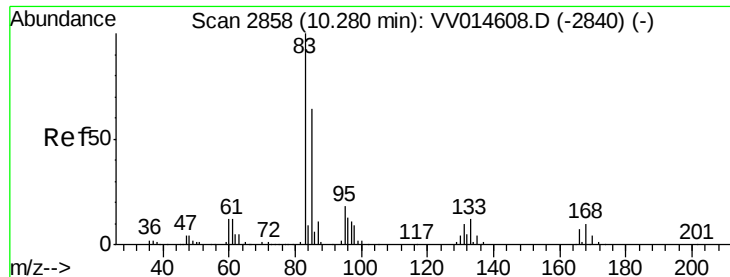
78 46.6 30.8 57.2



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: 24.525 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

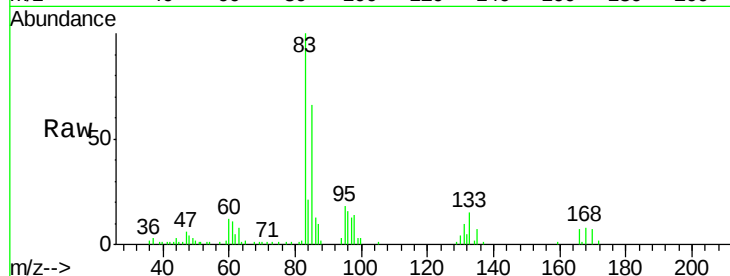
Tot Ion: 83 Resp: 32330

Ion Ratio Lower Upper

83 100

85 65.7 44.6 82.8

131 10.1 8.1 12.1

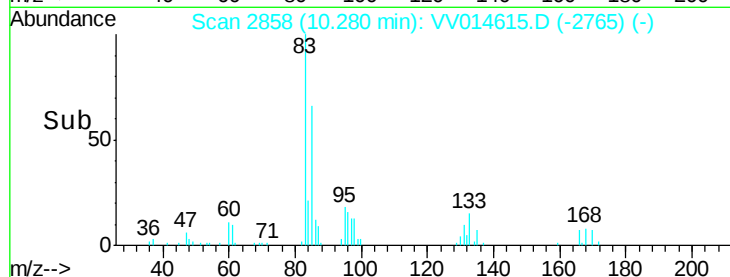


Abundance Ion 82.95 (82.65 to 83.65): VV014615.D (-2765) (-)

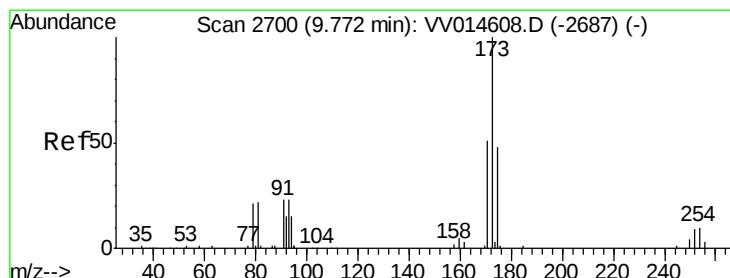
Ion 85.00 (84.70 to 85.70): VV014615.D (-2765) (-)

Ion 130.95 (130.65 to 131.65): VV014615.D (-2765) (-)

Time-->



Time-->



#59

Bromoform

Concen: 21.690 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

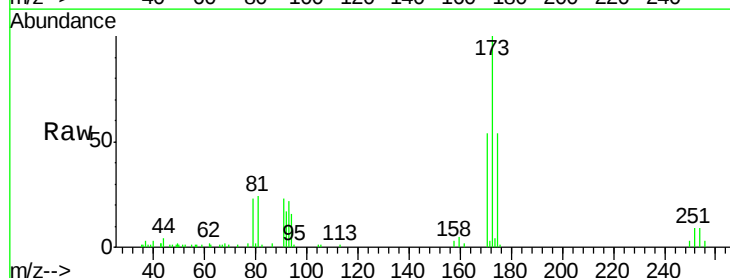
Tgt Ion: 173 Resp: 17871

Ion Ratio Lower Upper

173 100

175 49.1 40.0 60.0

254 9.4 8.2 12.2

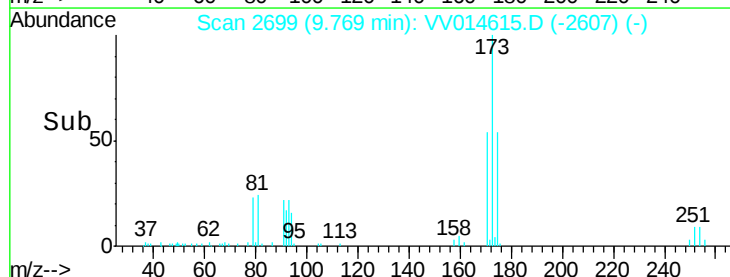


Abundance Ion 172.90 (172.60 to 173.60): VV014615.D (-2607) (-)

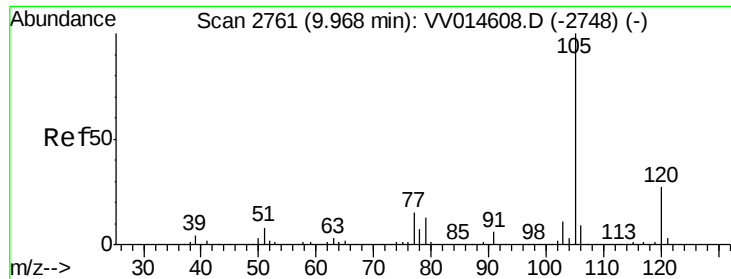
Ion 174.90 (174.60 to 175.60): VV014615.D (-2607) (-)

Ion 253.75 (253.45 to 254.45): VV014615.D (-2607) (-)

Time-->



Time-->



#60

Isopropylbenzene

Concen: 22.100 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

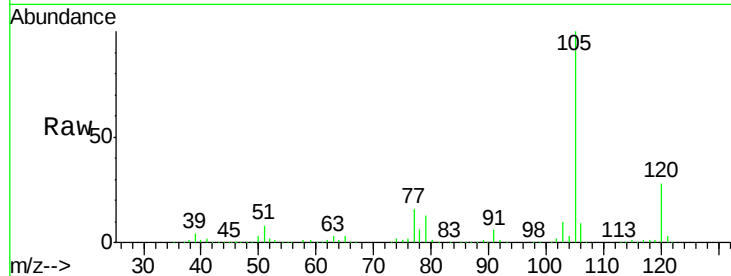
Tot Ion:105 Resp: 198890

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

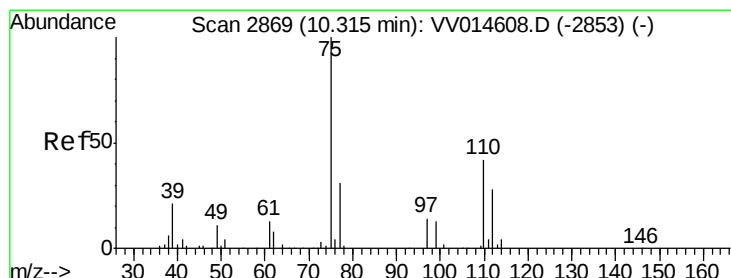
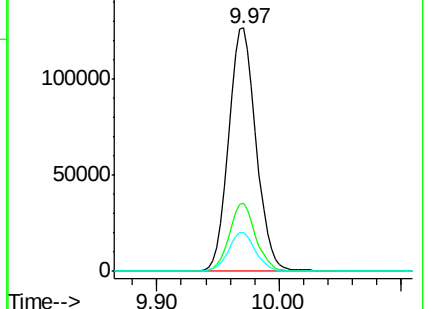
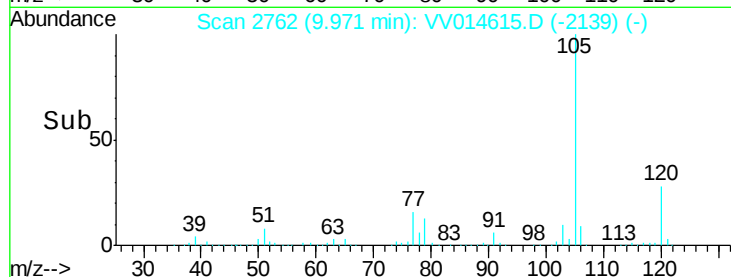
77 15.8 12.2 18.4



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: 22.302 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

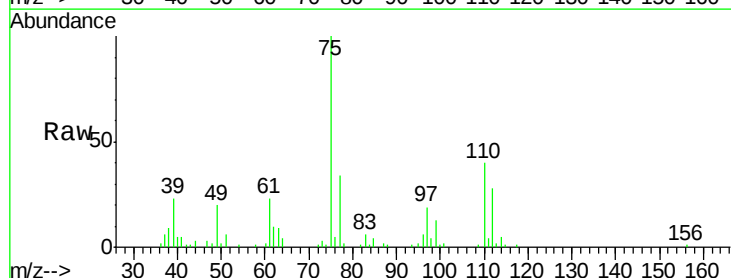
Tgt Ion: 75 Resp: 22948

Ion Ratio Lower Upper

75 100

77 31.4 26.3 39.5

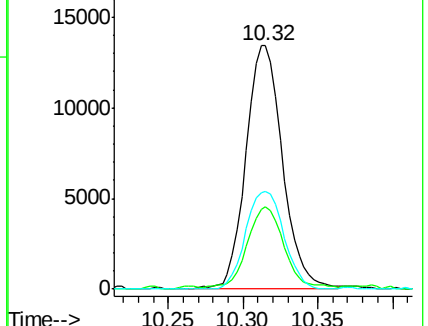
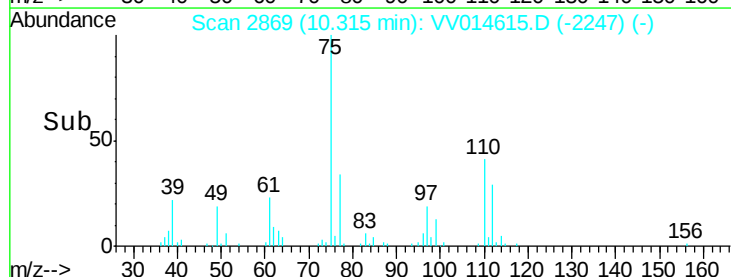
110 41.9 33.6 50.4

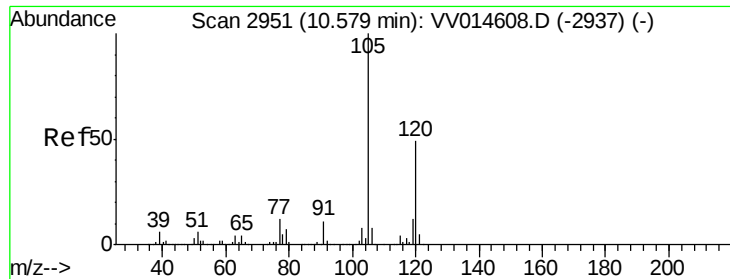


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

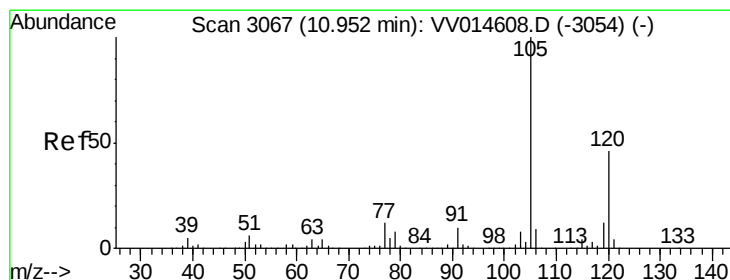
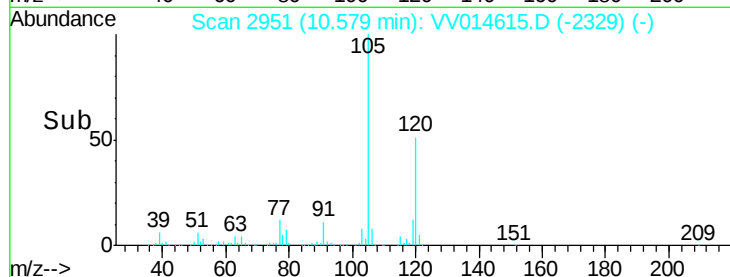
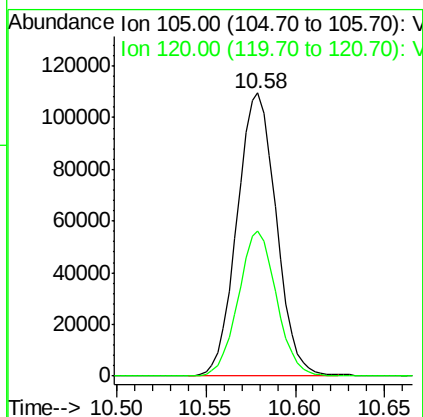
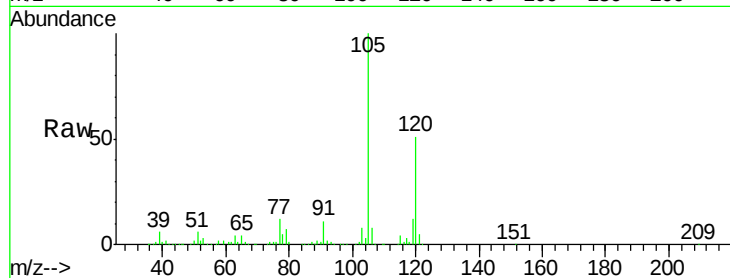




#62
 1,3,5-Trimethylbenzene
 Concen: 22.326 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

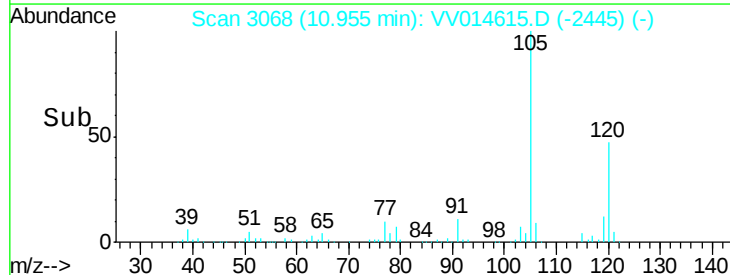
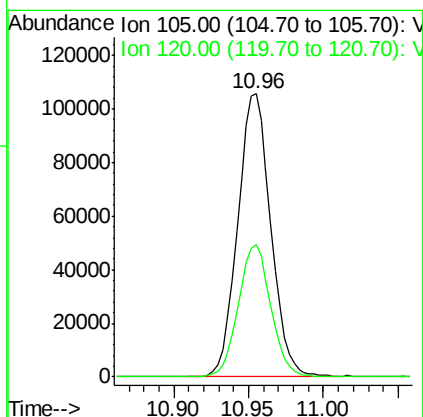
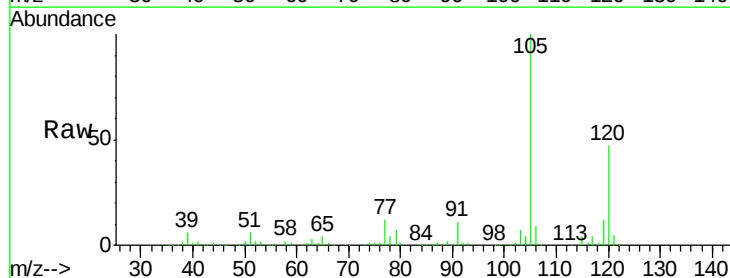
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

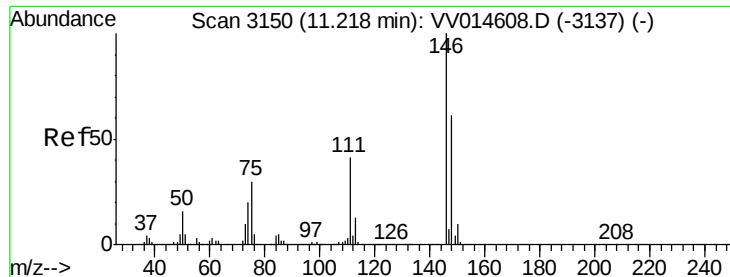
Tot Ion:105 Resp: 167683
 Ion Ratio Lower Upper
 105 100
 120 50.0 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 22.067 ug/L
 RT: 10.96 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Tgt Ion:105 Resp: 162592
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 21.836 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

MDL02

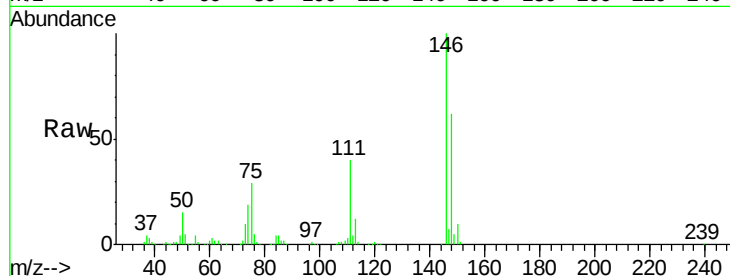
Tot Ion:146 Resp: 92140

Ion Ratio Lower Upper

146 100

111 39.9 28.4 52.8

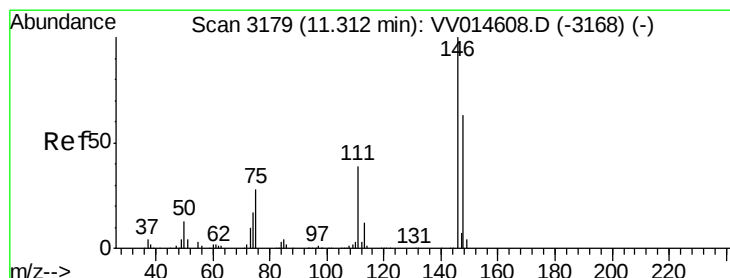
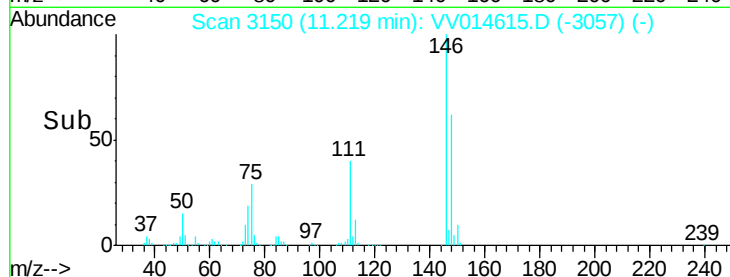
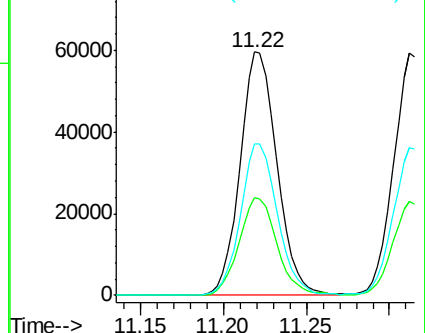
148 62.2 43.0 79.8



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: 22.047 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014615.D

Acq: 19 Feb 2020 18:59

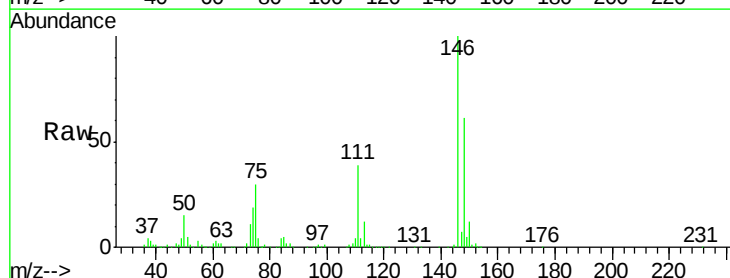
Tgt Ion:146 Resp: 91375

Ion Ratio Lower Upper

146 100

111 38.6 27.6 51.4

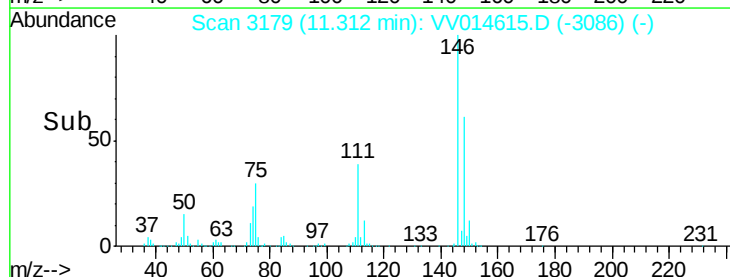
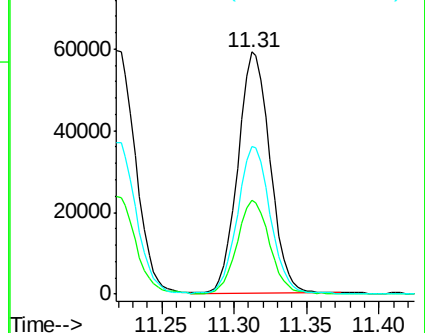
148 60.8 44.3 82.3

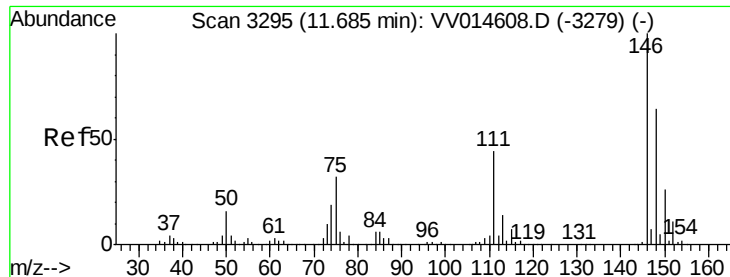


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

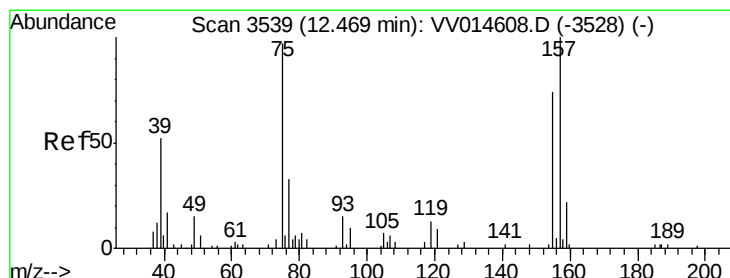
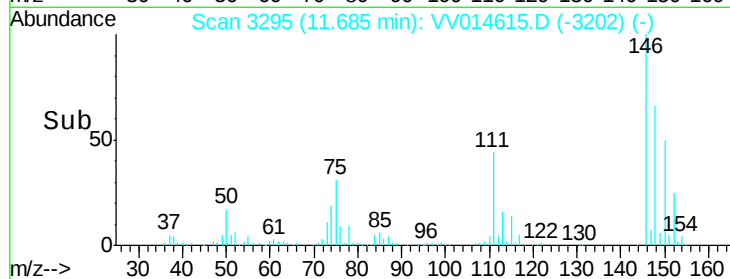
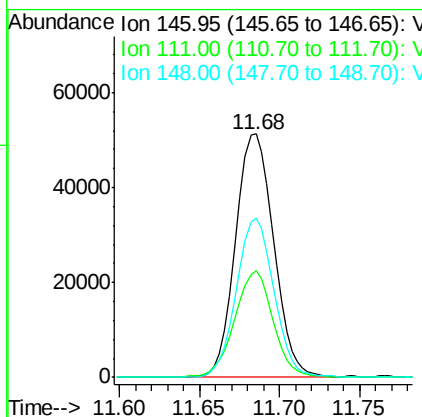
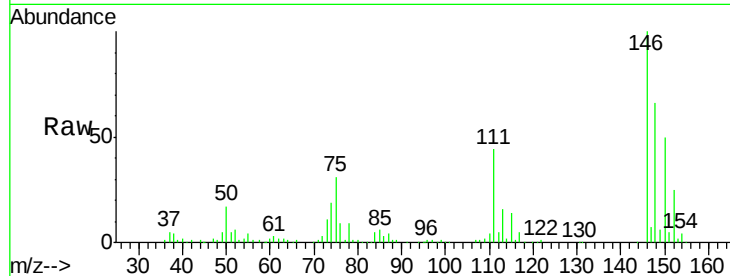




#67
 1,2-Dichlorobenzene
 Concen: 22.617 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

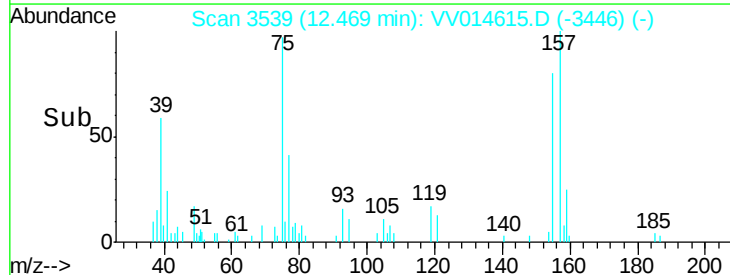
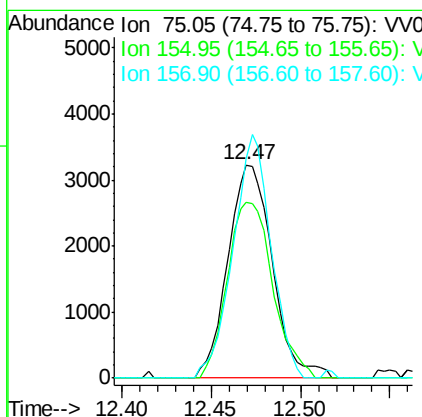
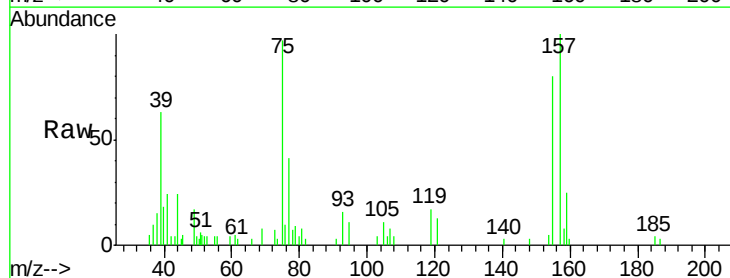
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

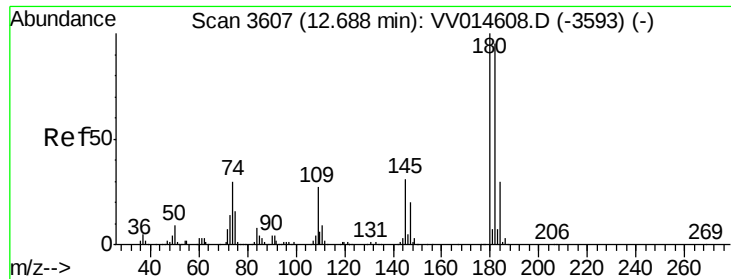
Tot Ion:146 Resp: 83792
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.0 52.4
 148 65.6 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 23.058 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Tgt Ion: 75 Resp: 5605
 Ion Ratio Lower Upper
 75 100
 155 82.3 61.4 92.2
 157 102.8 82.8 124.2

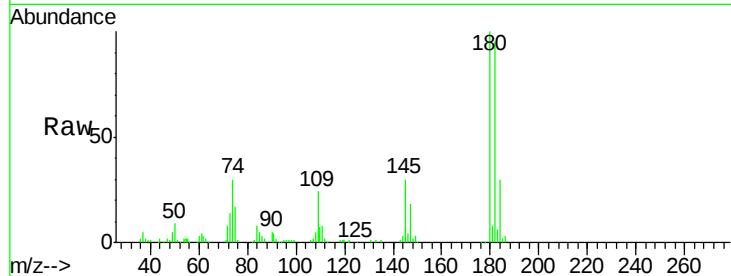




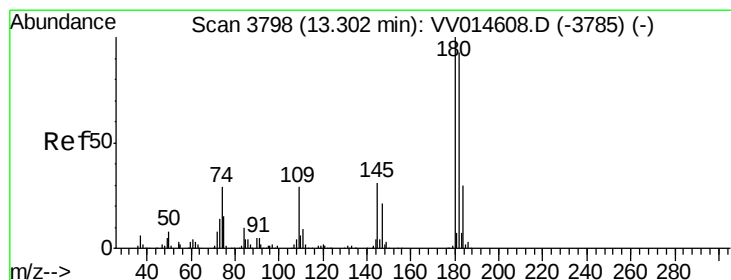
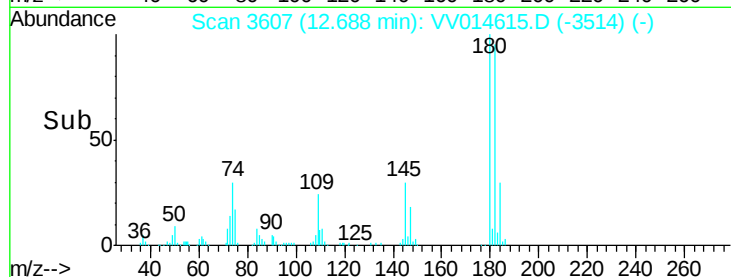
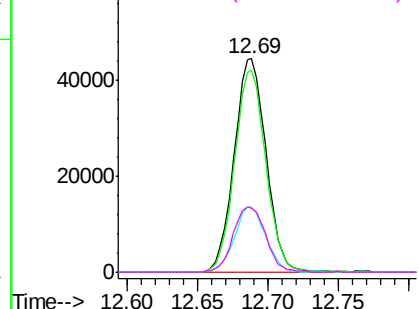
#69
 1,3,5-Trichlorobenzene
 Concen: 22.695 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:180 Resp: 70604
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.6 114.8
 184 30.0 23.9 35.9
 145 31.3 25.4 38.2

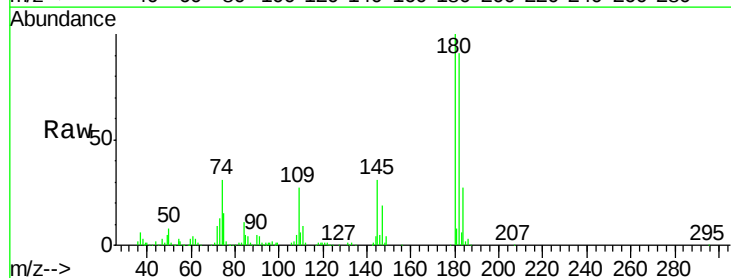


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

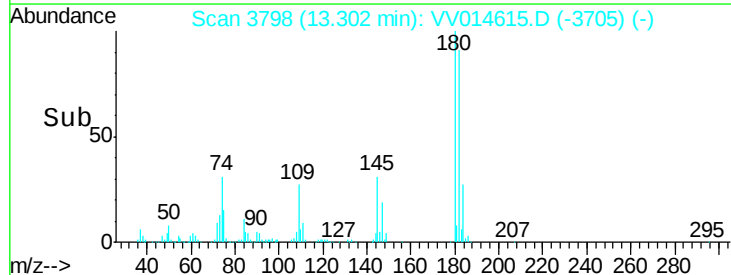
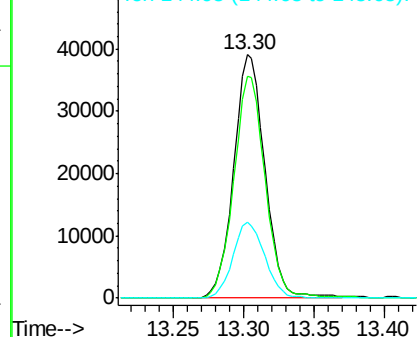


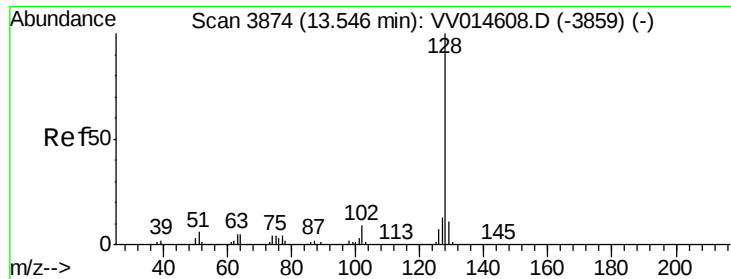
#70
 1,2,4-trichlorobenzene
 Concen: 23.209 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014615.D
 Acq: 19 Feb 2020 18:59

Tgt Ion:180 Resp: 60483
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.7 113.5
 145 32.0 25.1 37.7



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

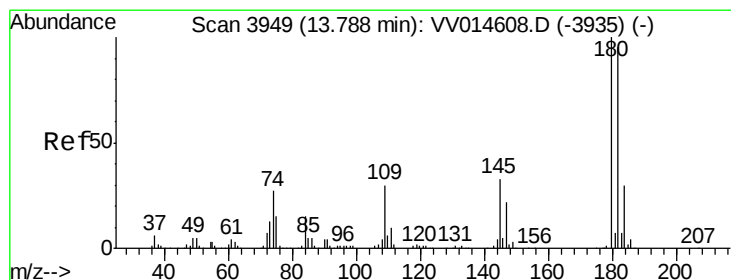
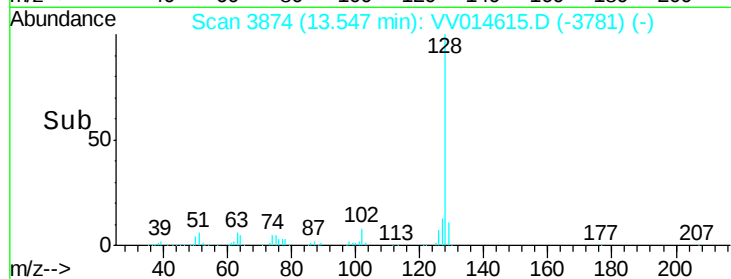
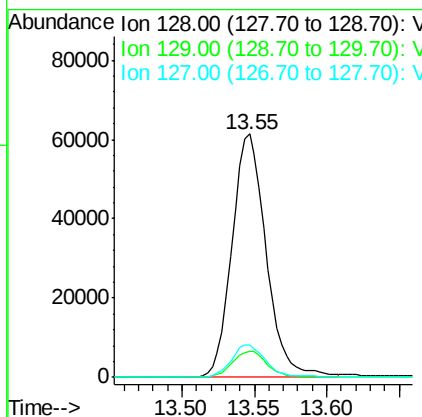
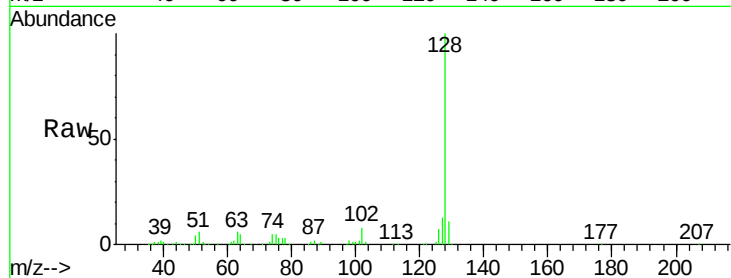




#71
Naphthalene
Concen: 22.851 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:128 Resp: 100680
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.7 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 23.402 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014615.D
Acq: 19 Feb 2020 18:59

Tgt Ion:180 Resp: 53416
Ion Ratio Lower Upper
180 100
182 92.9 75.0 112.6
145 34.5 26.7 40.1

