

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018186.D
 Acq On : 10 Sep 2020 17:49
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Sep 11 01:34:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	293719	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149267	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101921	42.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.16%
7) Chloroethane-d5	1.58	69	88982	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.86%
11) 1,1-Dichloroethene-d2	2.12	63	153180	34.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.78%
21) 2-Butanone-d5	3.91	46	142490	97.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.25%
24) Chloroform-d	4.38	84	187193	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
26) 1,2-Dichloroethane-d4	5.06	65	127736	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.08	84	388373	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
36) 1,2-Dichloropropane-d6	6.09	67	125621	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.96%
41) Toluene-d8	7.34	98	351373	46.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.58%
43) trans-1,3-Dichloropropene-	7.64	79	59578	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.56%
47) 2-Hexanone-d5	8.11	63	89660	90.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153594	46.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	152237	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4968	2.320	ug/L	98
3) Chloromethane	1.25	50	5540	2.369	ug/L	99
5) Vinyl chloride	1.32	62	5885	2.454	ug/L #	78
6) Bromomethane	1.53	94	3270	2.231	ug/L	97
8) Chloroethane	1.60	64	3594	2.392	ug/L	100
9) Trichlorofluoromethane	1.77	101	7473	2.265	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5652	2.852	ug/L #	84
12) 1,1-Dichloroethene	2.13	96	5547	2.876	ug/L #	1
13) Acetone	2.19	43	4723	4.026	ug/L	100
14) Carbon disulfide	2.31	76	13393	2.270	ug/L	99
15) Methyl Acetate	2.46	43	4561	2.163	ug/L	98
16) Methylene chloride	2.53	84	5443	2.517	ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	4416	2.222	ug/L	94
18) Methyl tert-butyl Ether	2.79	73	12619	2.052	ug/L	98
19) 1,1-Dichloroethane	3.22	63	8459	2.251	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4767	2.244	ug/L	87
22) 2-Butanone	4.02	43	2346	1.689	ug/L	82

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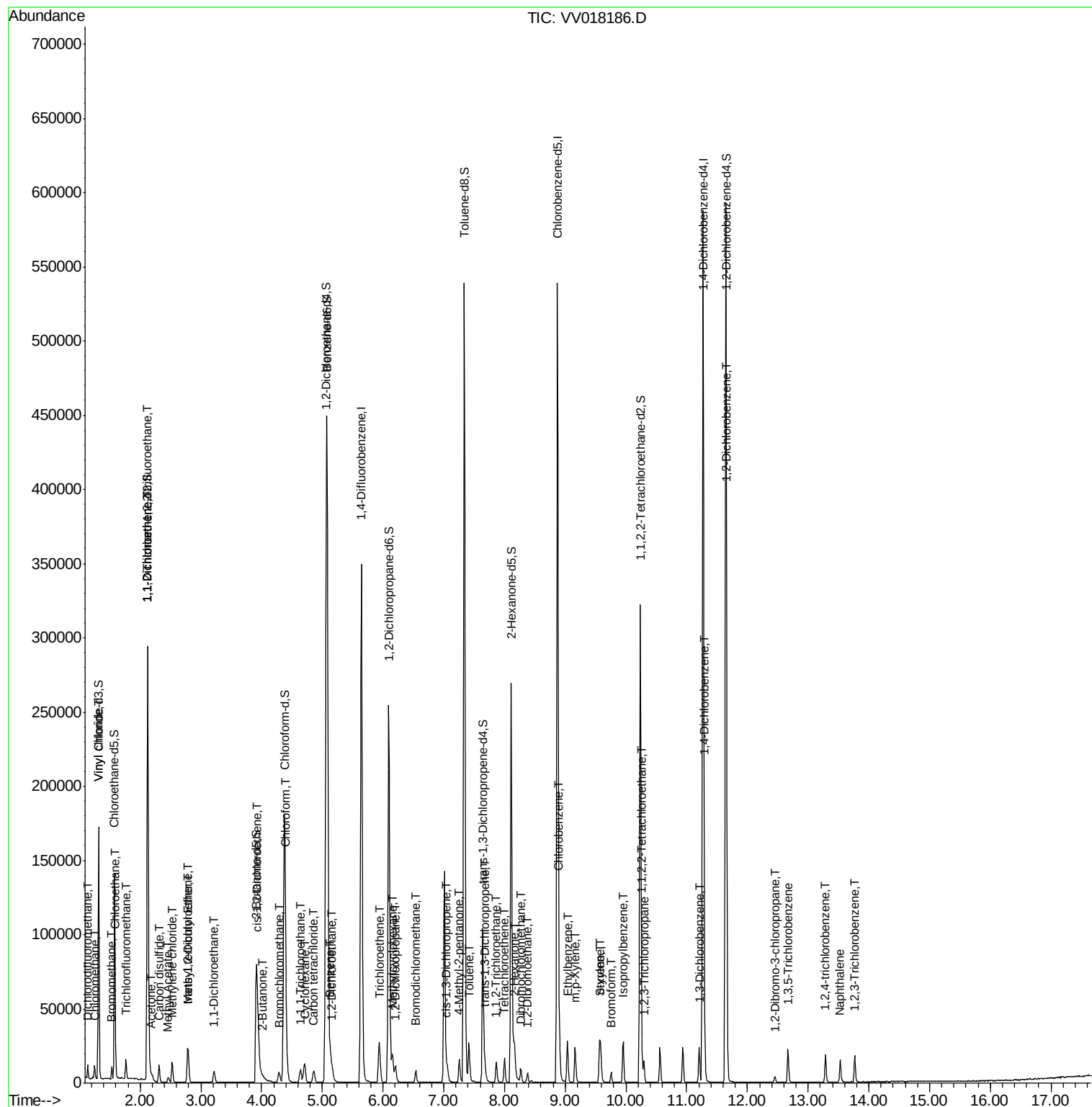
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2574	2.316	ug/L	85
25) Chloroform	4.40	83	15944	4.174	ug/L	95
27) 1,2-Dichloroethane	5.17	62	6224	2.105	ug/L	100
29) Cyclohexane	4.71	56	7110	2.139	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	7335	2.196	ug/L	100
31) Carbon tetrachloride	4.86	117	6265	2.133	ug/L	99
33) Benzene	5.13	78	18444	2.241	ug/L	100
34) Trichloroethene	5.94	95	5269	2.350	ug/L	98
35) Methylcyclohexane	6.16	83	6992	2.071	ug/L	96
37) 1,2-Dichloropropane	6.20	63	4820	2.210	ug/L #	91
38) Bromodichloromethane	6.54	83	5926	2.088	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	7072	2.105	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	10556	3.990	ug/L	97
42) Toluene	7.41	91	19517	2.241	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	6831	2.088	ug/L	94
45) 1,1,2-Trichloroethane	7.87	97	4761	2.355	ug/L	91
46) Tetrachloroethene	8.00	164	4079	2.320	ug/L	94
48) 2-Hexanone	8.16	43	15832	7.590	ug/L	92
49) Dibromochloromethane	8.27	129	4653	2.051	ug/L	94
50) 1,2-Dibromoethane	8.38	107	4795	2.254	ug/L #	96
51) Chlorobenzene	8.90	112	12949	2.289	ug/L	96
52) Ethylbenzene	9.04	91	20673	2.174	ug/L	96
53) m,p-Xylene	9.16	106	6974	1.965	ug/L	100
54) o-xylene	9.57	106	6379	1.866	ug/L	97
55) Styrene	9.59	104	10629	1.788	ug/L	96
56) Isopropylbenzene	9.95	105	17321	1.880	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7335	2.453	ug/L #	99
59) 1,2,3-Trichloropropane	10.30	75	5719	2.229	ug/L	100
61) Bromoform	9.76	173	3026	1.887	ug/L #	38
62) 1,3-Dichlorobenzene	11.21	146	9917	2.234	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	11028	2.417	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	10854	2.419	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	1177	1.859	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	7658	2.189	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	6339	2.034	ug/L	97
69) Naphthalene	13.53	128	12505	1.586	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	5941	1.936	ug/L	99

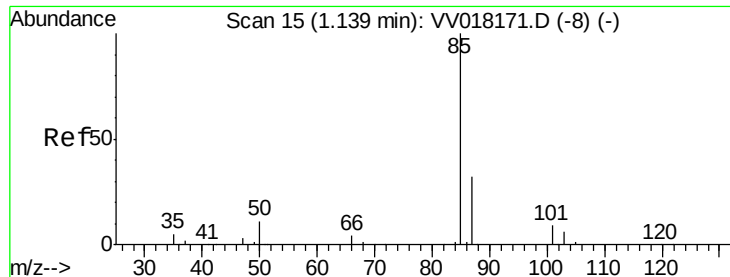
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.320 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

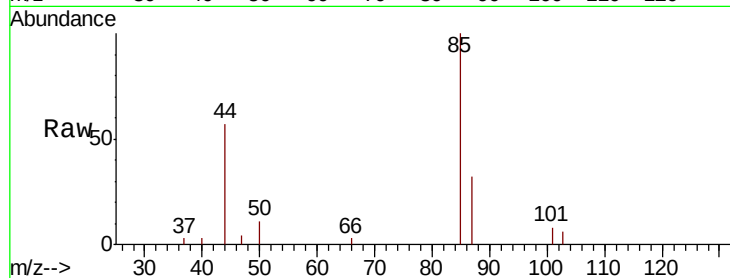
MDL04

Tot Ion: 85 Resp: 4968

Ion Ratio Lower Upper

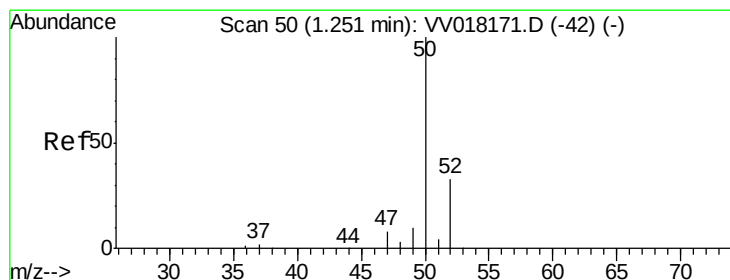
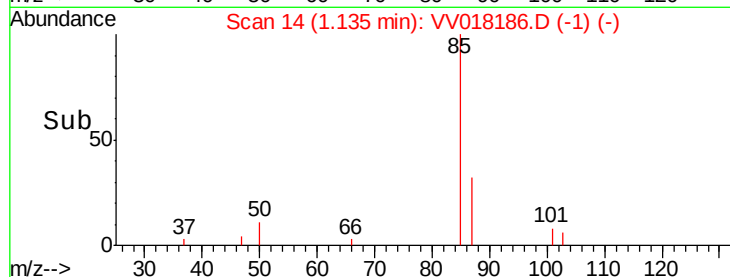
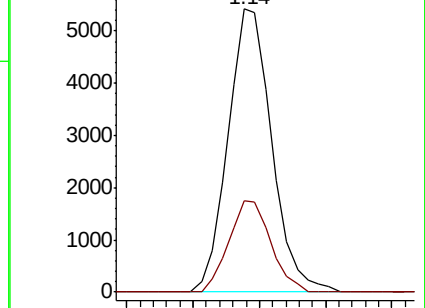
85 100

87 31.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018171.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018171.D (-8) (-)



#3

Chloromethane

Concen: 2.369 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018186.D

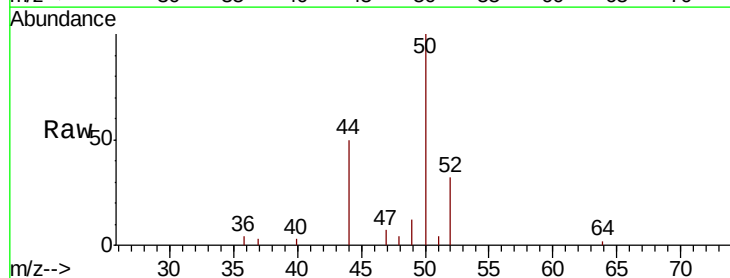
Acq: 10 Sep 2020 17:49

Tgt Ion: 50 Resp: 5540

Ion Ratio Lower Upper

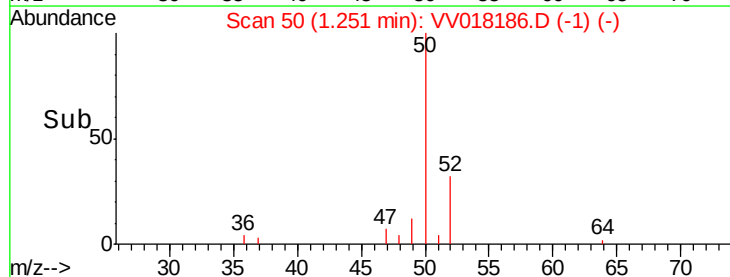
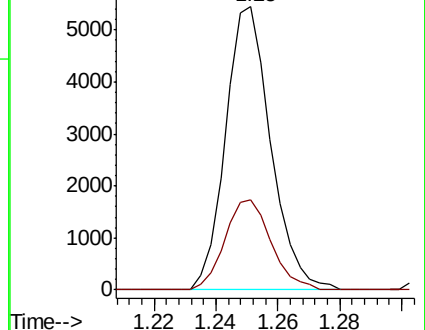
50 100

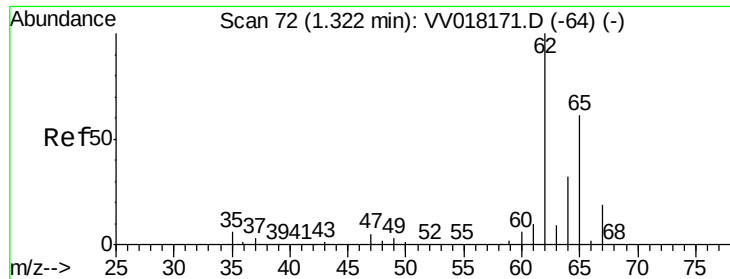
52 31.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018171.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018171.D (-42) (-)





#5

Vinyl chloride

Concen: 2.454 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

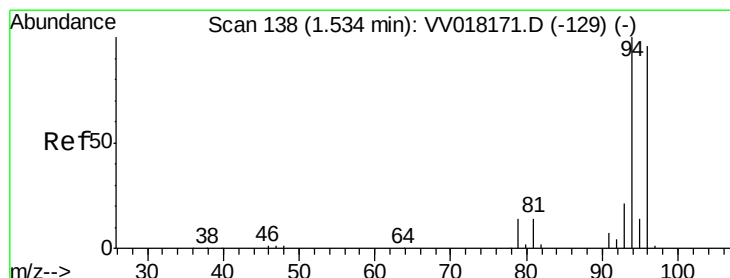
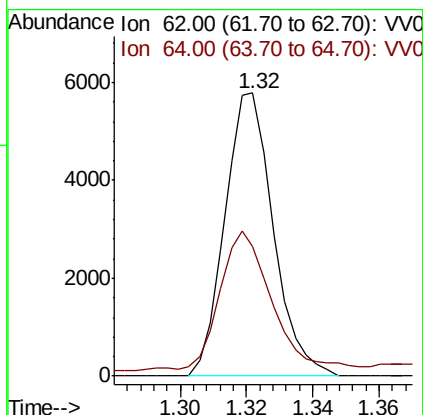
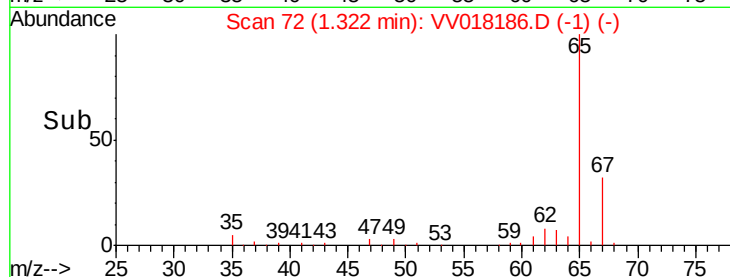
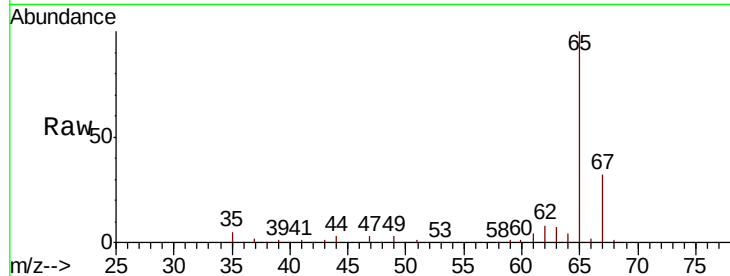
MDL04

Tot Ion: 62 Resp: 5885

Ion Ratio Lower Upper

62 100

64 45.7 23.1 42.9#



#6

Bromomethane

Concen: 2.231 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018186.D

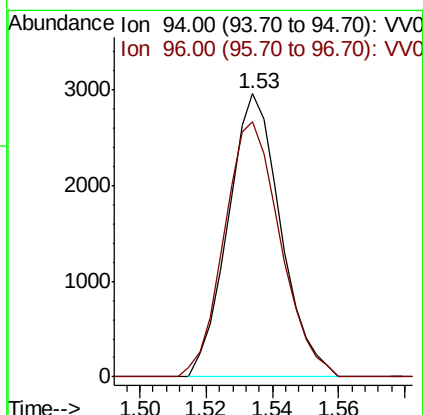
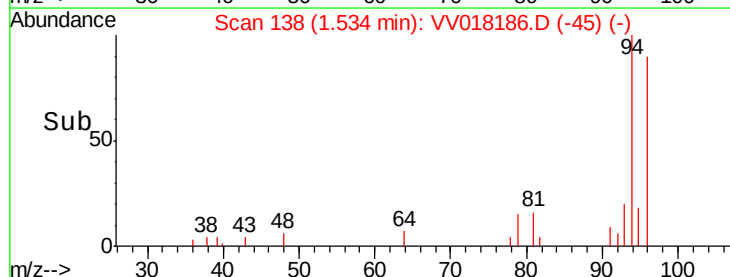
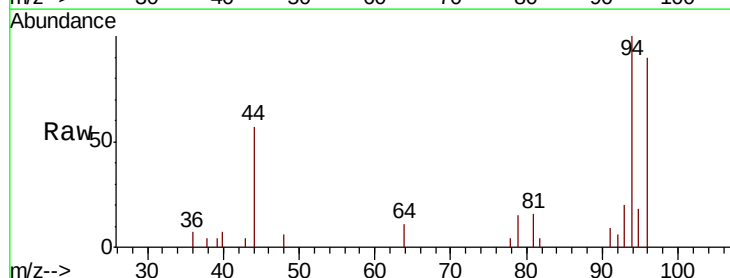
Acq: 10 Sep 2020 17:49

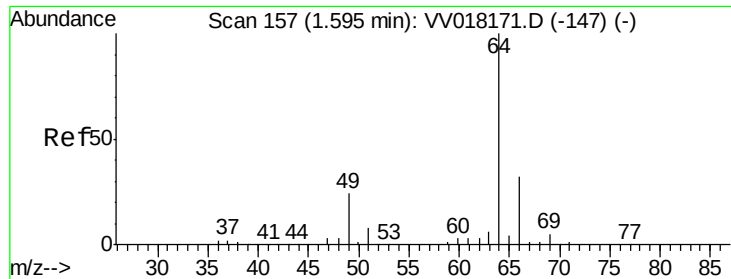
Tgt Ion: 94 Resp: 3270

Ion Ratio Lower Upper

94 100

96 90.3 65.1 120.9

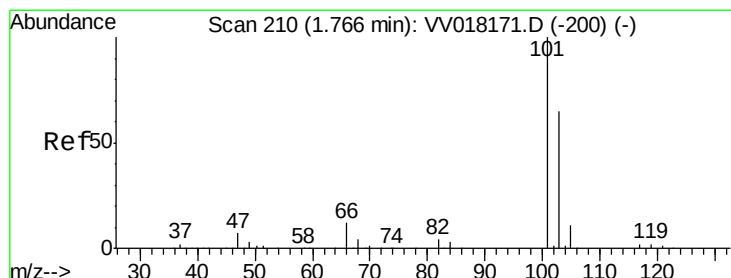
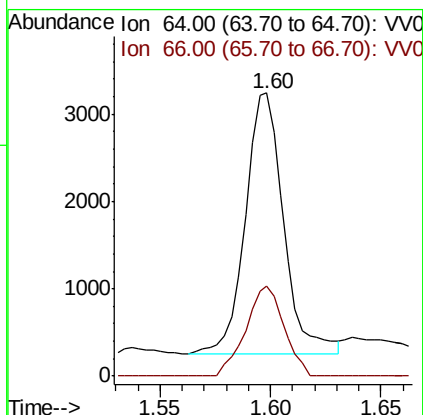
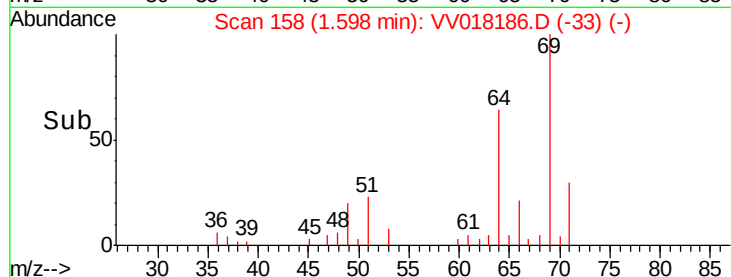
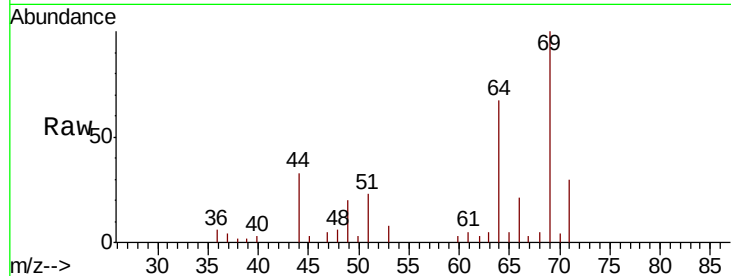




#8
Chloroethane
Concen: 2.392 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

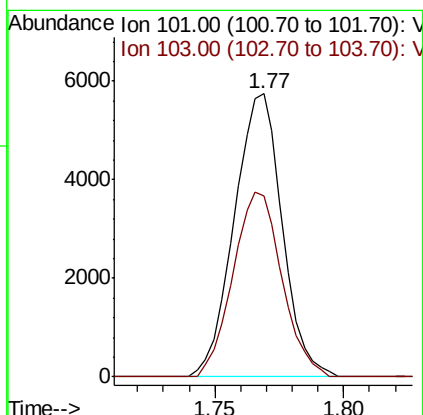
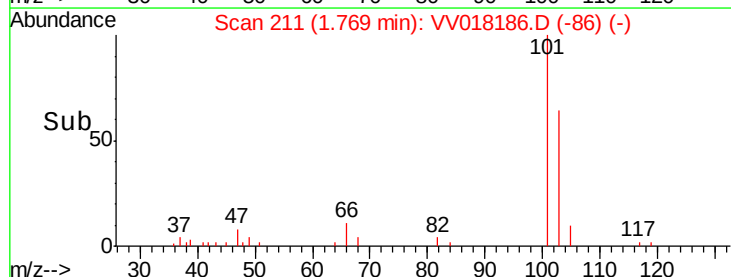
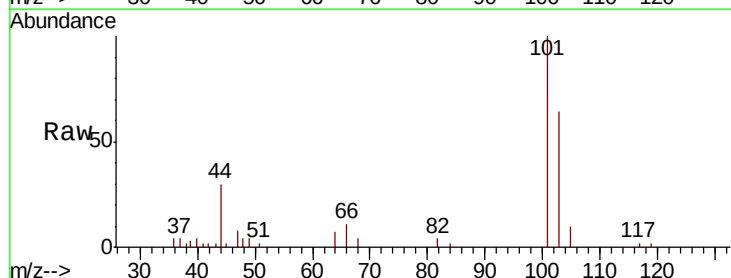
Instrument :
MSVOA_V
ClientSampled :
MDL04

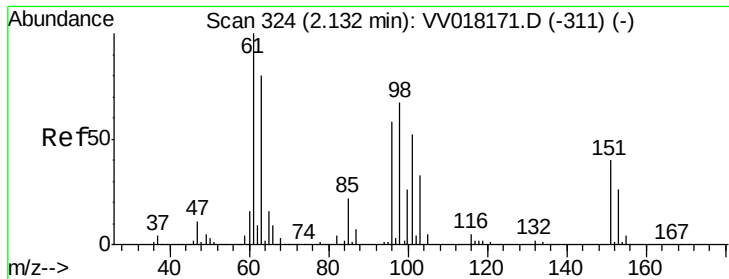
Tot Ion: 64 Resp: 3594
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 2.265 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 101 Resp: 7473
Ion Ratio Lower Upper
101 100
103 66.4 51.8 77.6





#10

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

Concen: 2.852 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

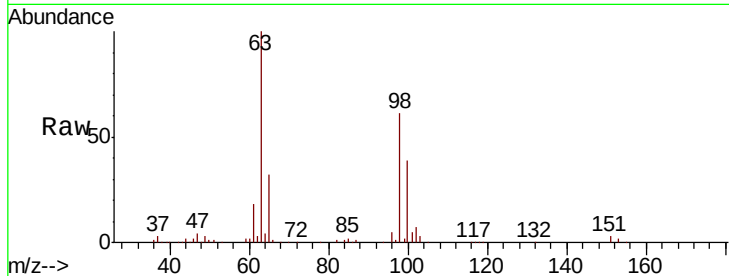
Tot Ion:101 Resp: 5652

Ion Ratio Lower Upper

101 100

85 36.0 33.5 50.3

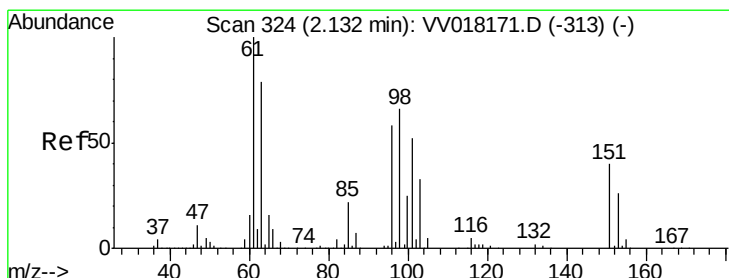
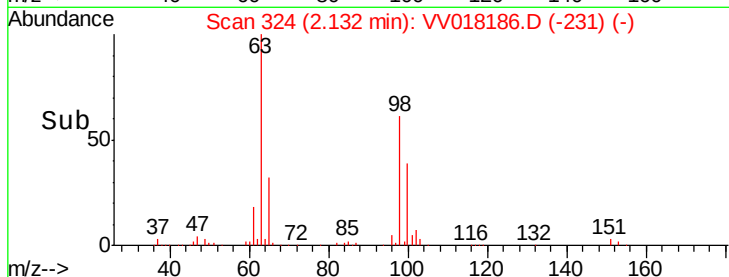
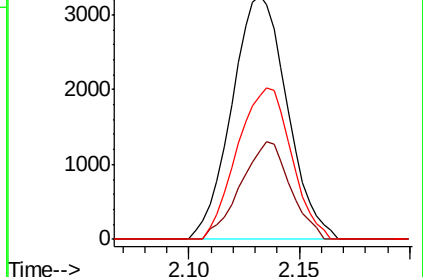
151 60.9 62.2 93.2#



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: 2.876 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

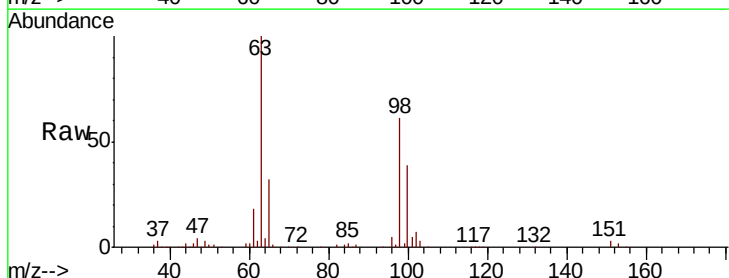
Tgt Ion: 96 Resp: 5547

Ion Ratio Lower Upper

96 100

61 367.8 122.9 228.3#

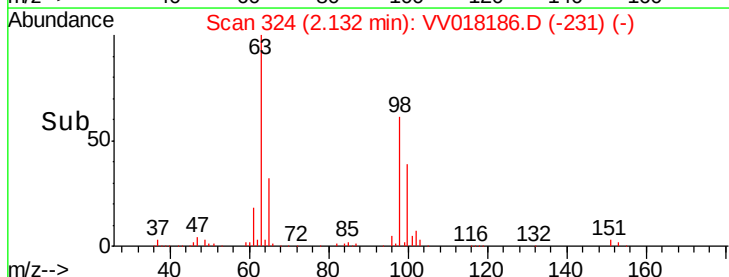
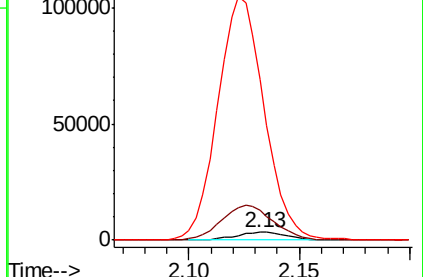
63 2008.3 91.9 170.7#

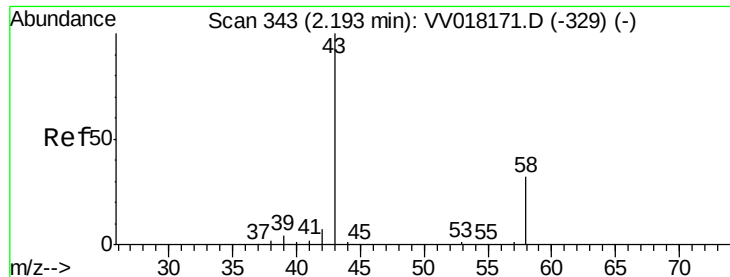


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.026 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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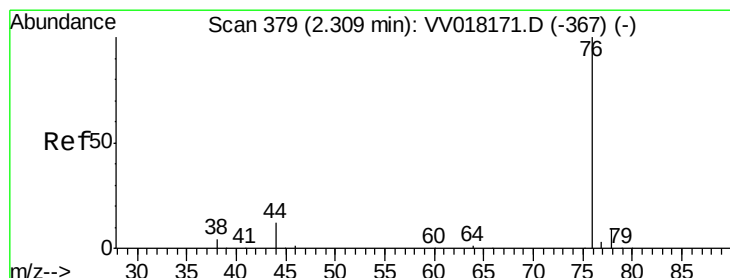
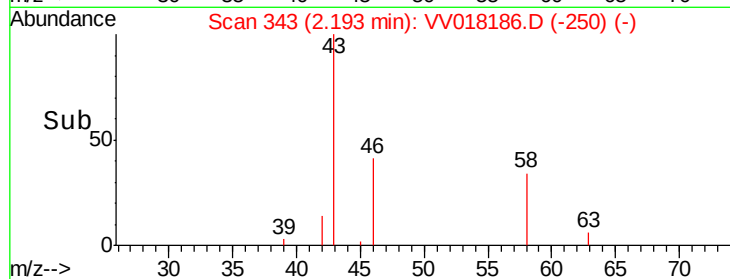
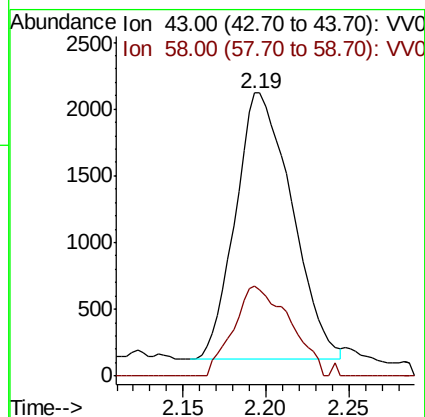
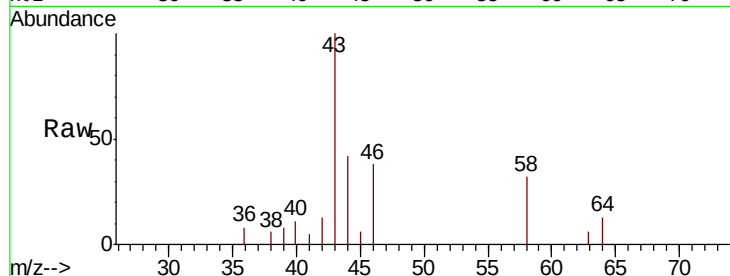
MDL04

Tot Ion: 43 Resp: 4723

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.4



#14

Carbon disulfide

Concen: 2.270 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018186.D

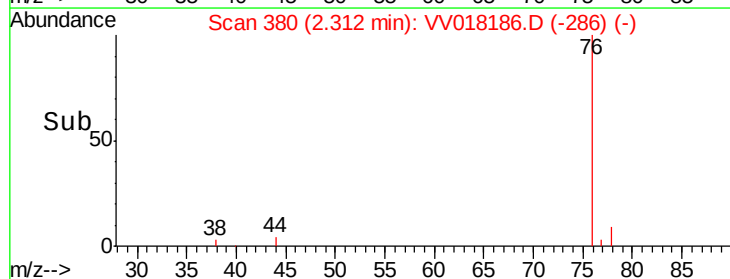
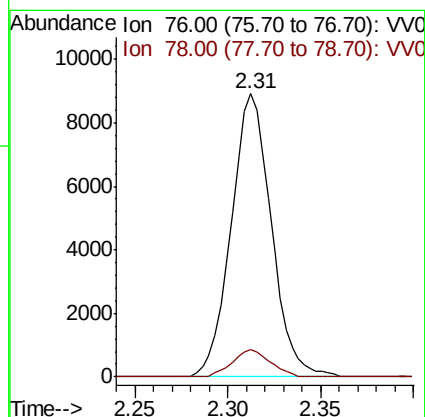
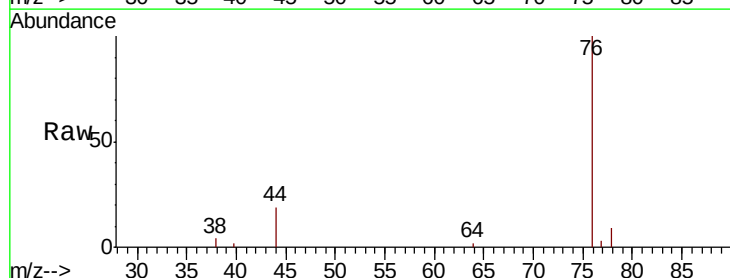
Acq: 10 Sep 2020 17:49

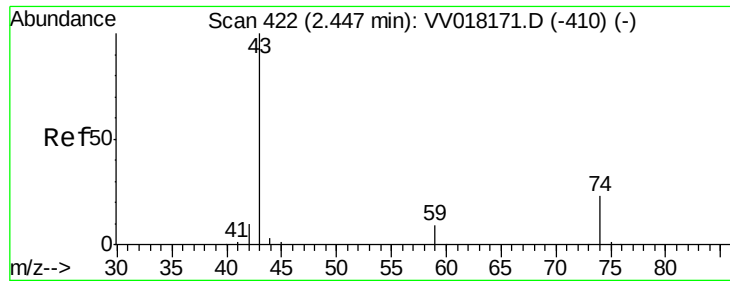
Tgt Ion: 76 Resp: 13393

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

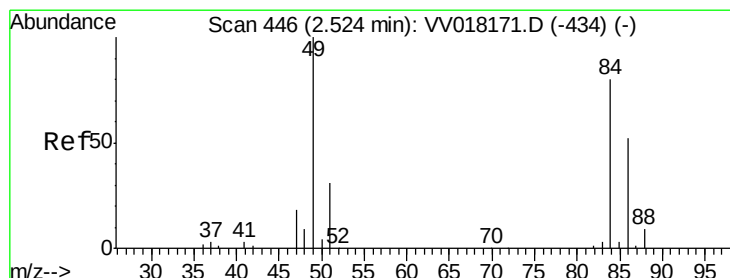
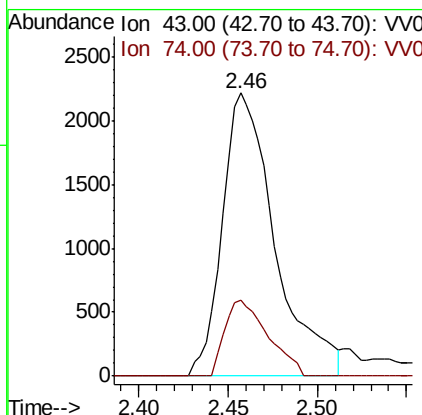
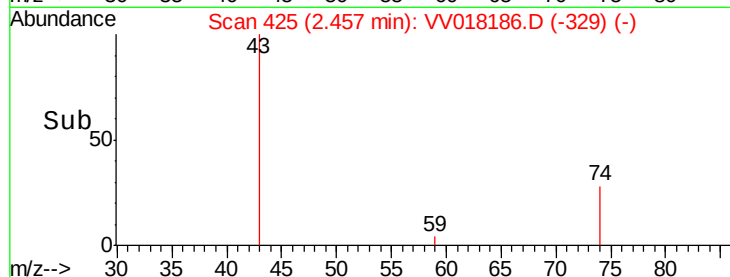
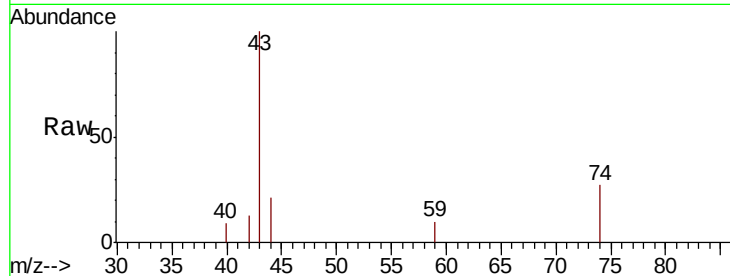




#15
Methvl Acetate
Concen: 2.163 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

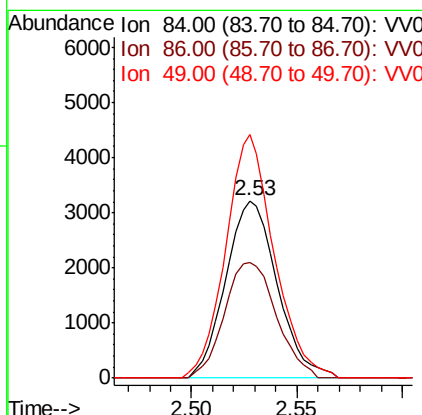
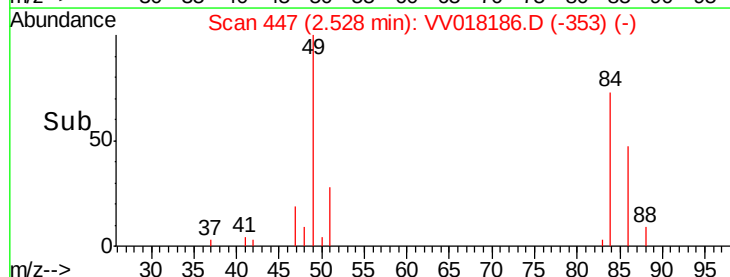
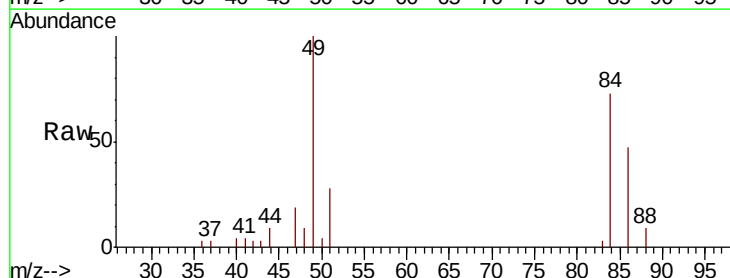
Instrument :
MSVOA_V
ClientSampleId :
MDL04

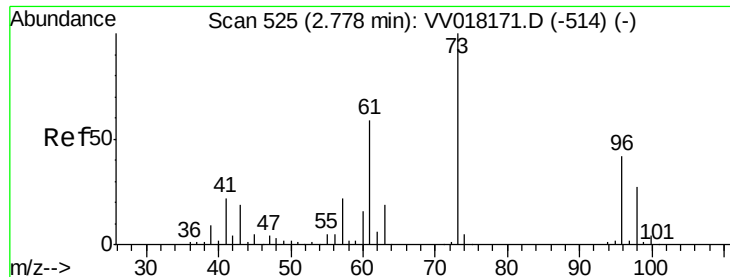
Tot Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
74 21.9 18.4 27.6



#16
Methylene chloride
Concen: 2.517 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 84 Resp: 5443
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.4
49 137.2 87.2 162.0

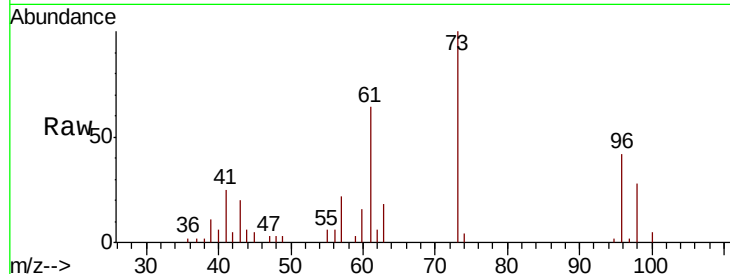




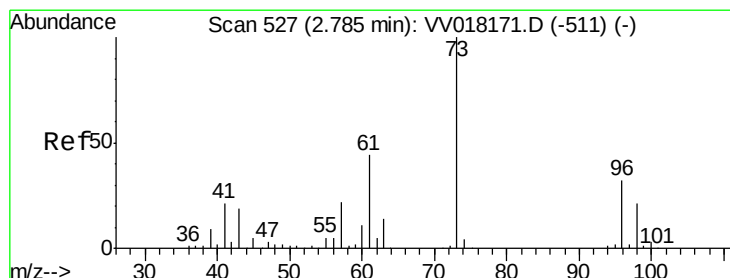
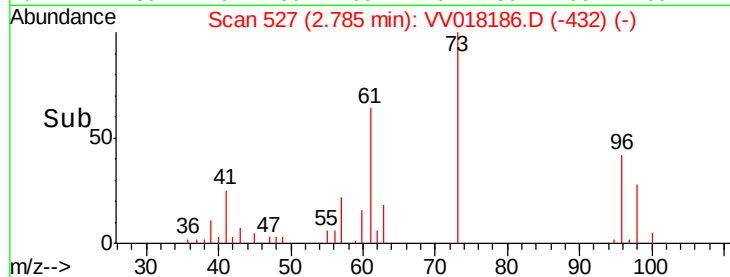
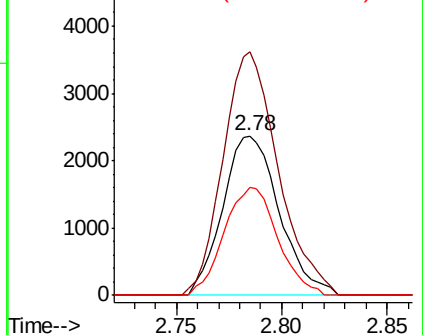
#17
trans-1,2-Dichloroethene
Concen: 2.222 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 96 Resp: 4416
Ion Ratio Lower Upper
96 100
61 152.9 100.7 186.9
98 67.4 45.2 84.0

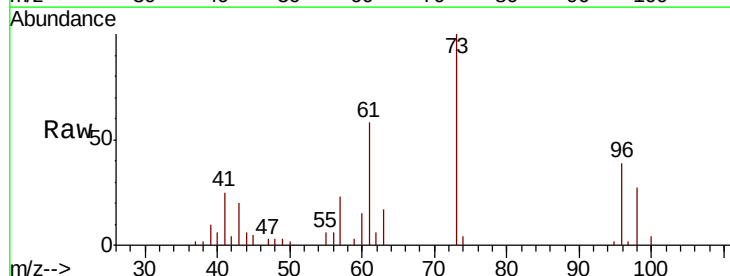


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

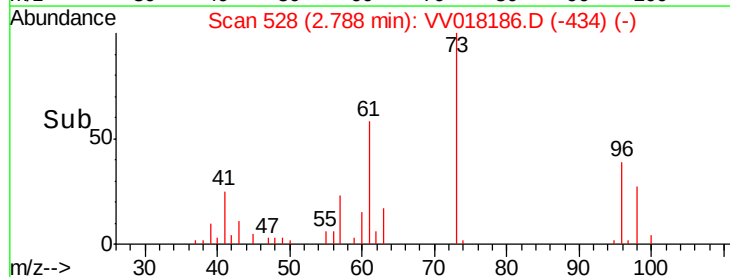
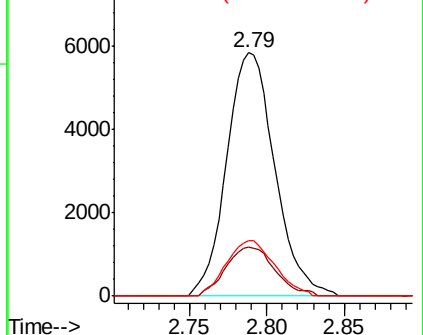


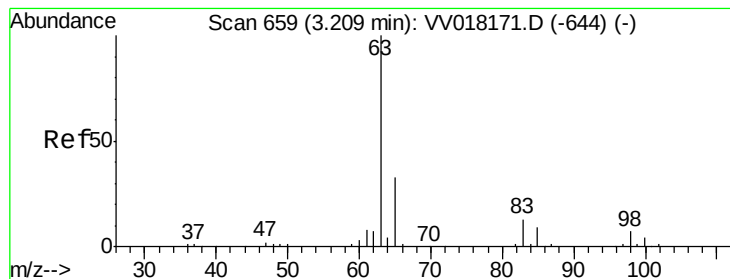
#18
Methyl tert-butyl Ether
Concen: 2.052 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 73 Resp: 12619
Ion Ratio Lower Upper
73 100
43 20.5 15.4 23.0
57 22.8 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.251 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

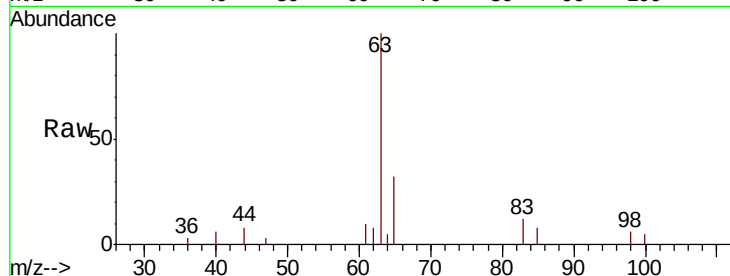
Tot Ion: 63 Resp: 8459

Ion Ratio Lower Upper

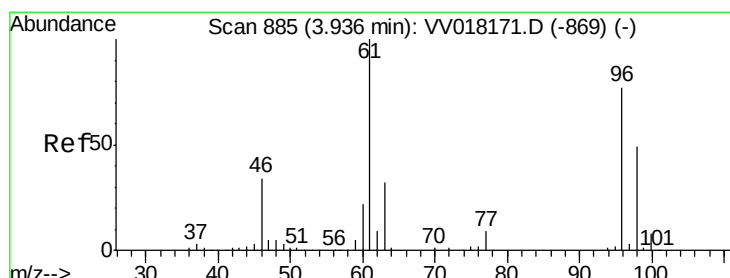
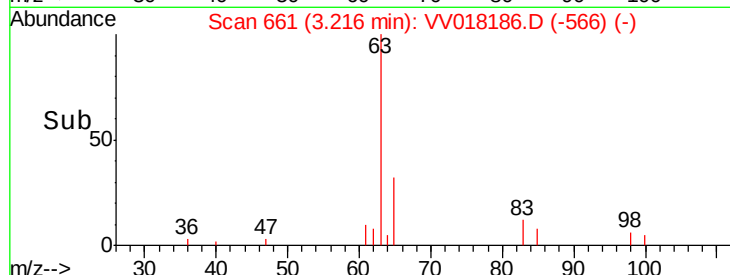
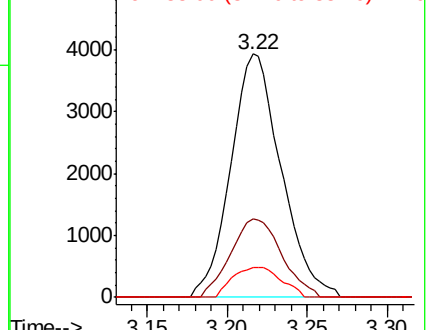
63 100

65 32.1 22.5 41.7

83 12.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.244 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

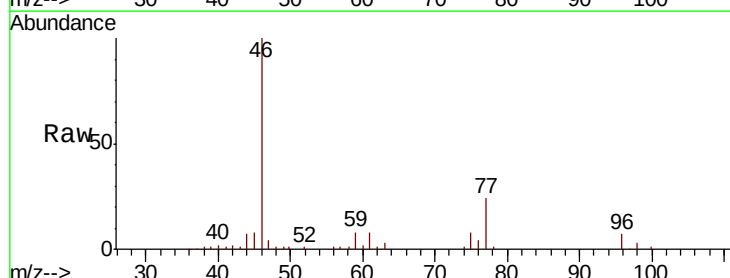
Tgt Ion: 96 Resp: 4767

Ion Ratio Lower Upper

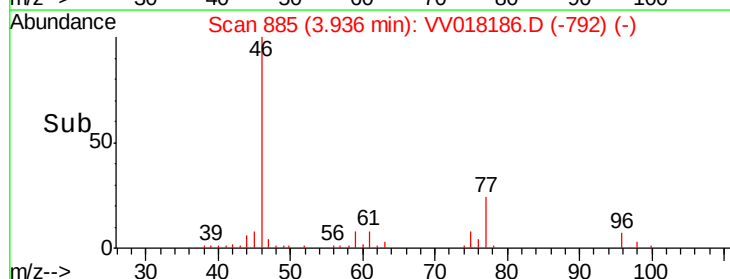
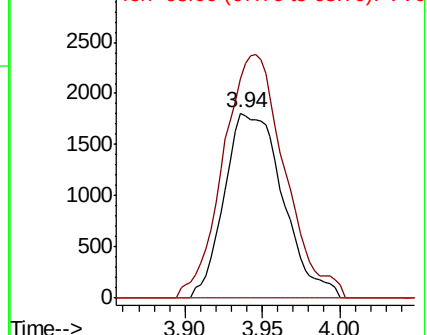
96 100

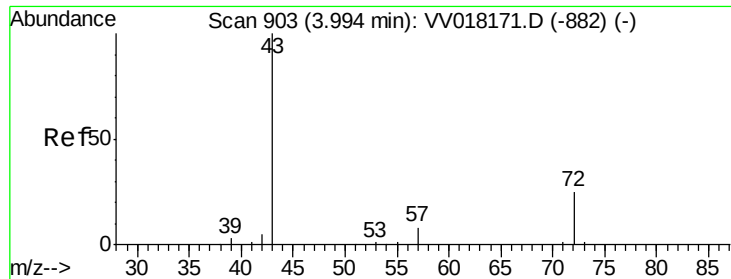
61 118.6 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 1.689 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.03 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

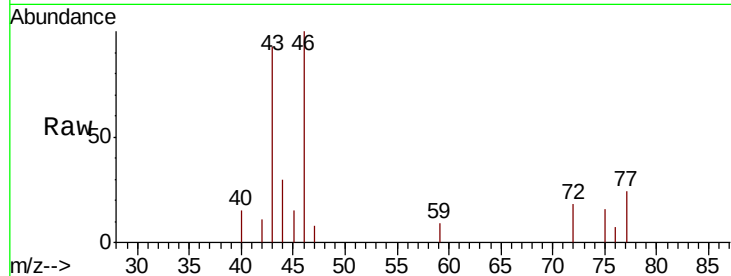
MDL04

Tot Ion: 43 Resp: 2346

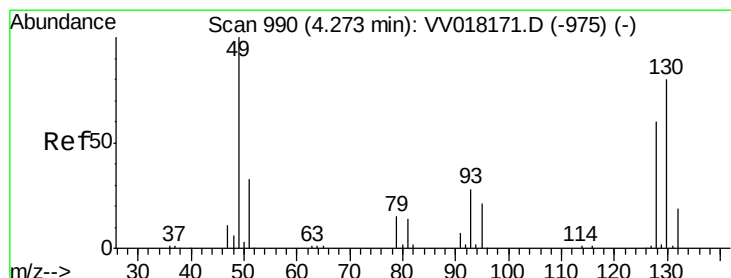
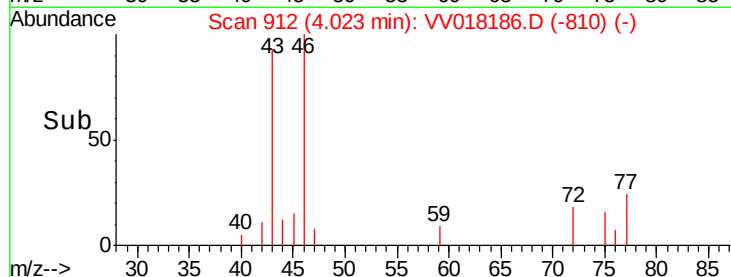
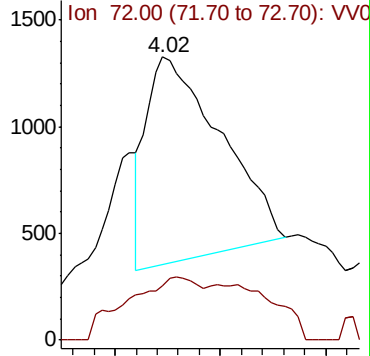
Ion Ratio Lower Upper

43 100

72 16.9 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018186.D (-810) (-)



#23

Bromochloromethane

Concen: 2.316 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion: 128 Resp: 2574

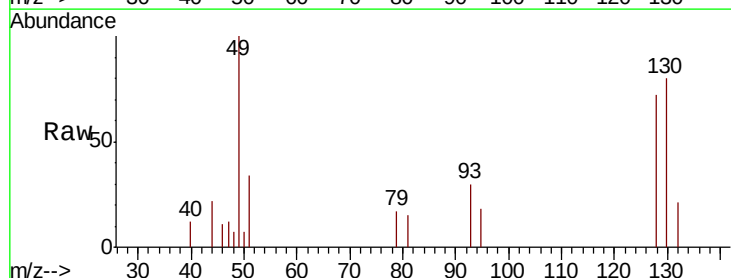
Ion Ratio Lower Upper

128 100

49 138.4 114.4 212.6

130 110.5 87.9 163.3

51 47.4 41.8 62.8

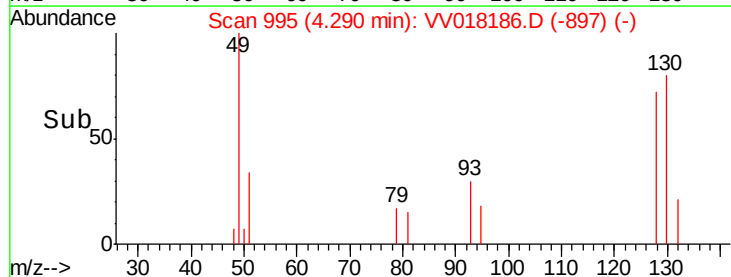
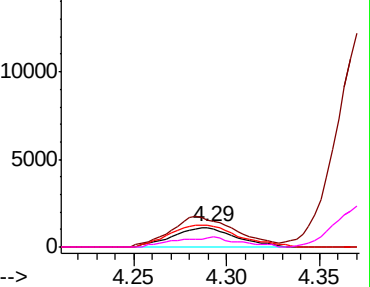


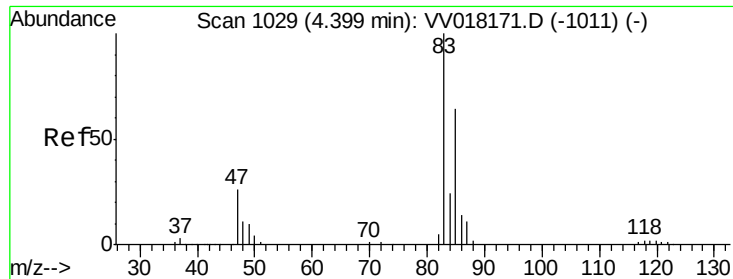
Abundance Ion 128.00 (127.70 to 128.70): VV018186.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018186.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018186.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018186.D (-897) (-)

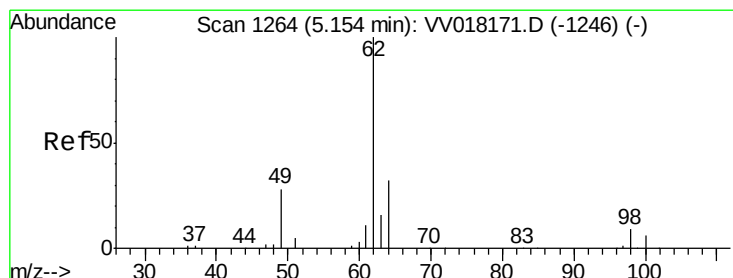
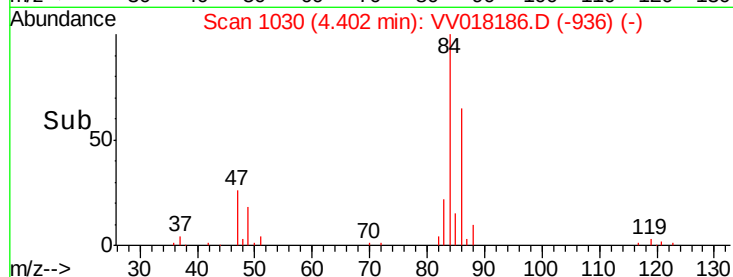
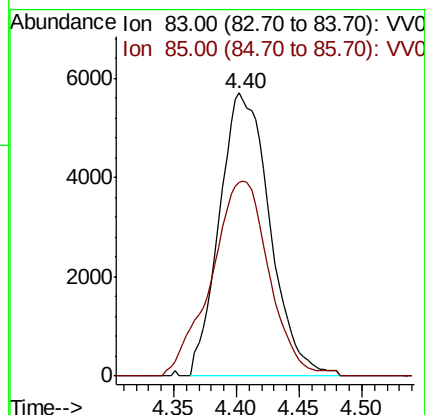
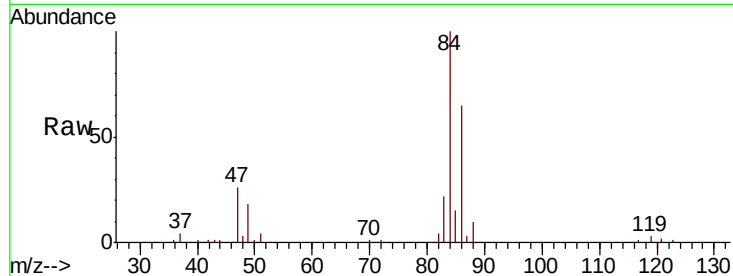




#25
Chloroform
Concen: 4.174 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

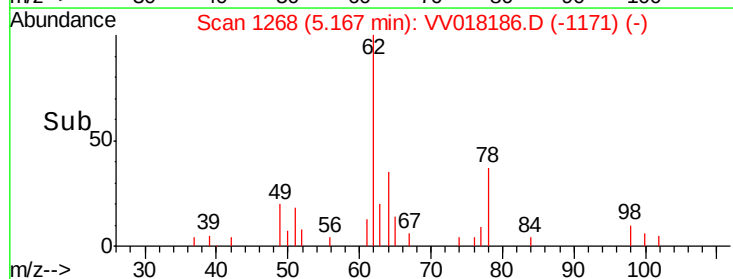
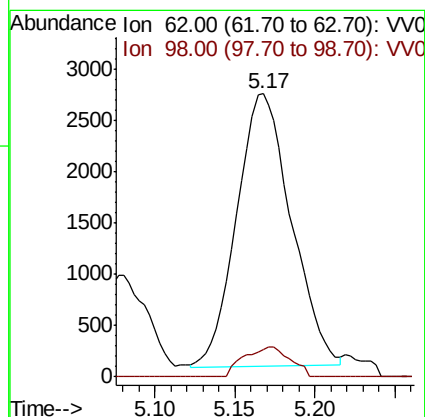
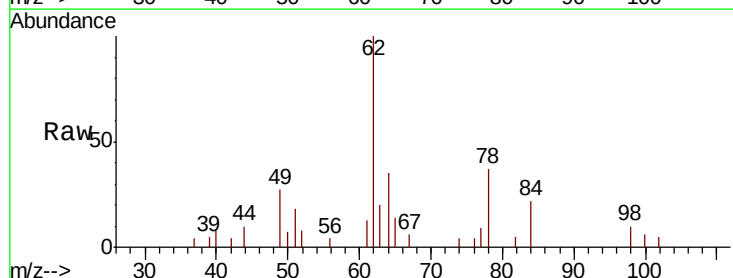
Instrument :
MSVOA_V
ClientSampleId :
MDL04

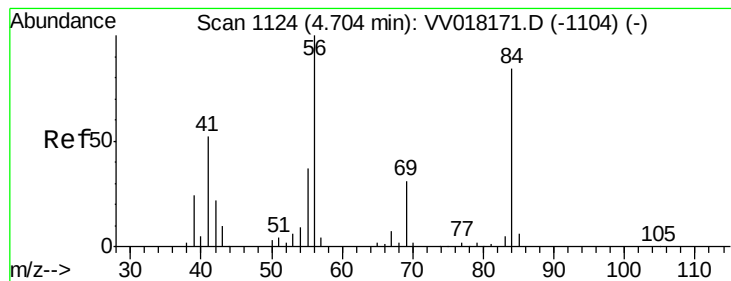
Tot Ion: 83 Resp: 15944
Ion Ratio Lower Upper
83 100
85 68.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 2.105 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 62 Resp: 6224
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





#29

Cyclohexane

Concen: 2.139 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

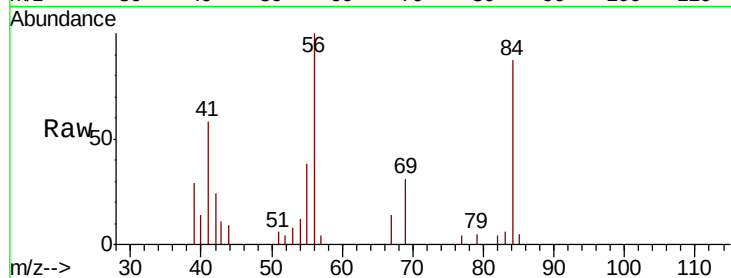
Tot Ion: 56 Resp: 7110

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.2

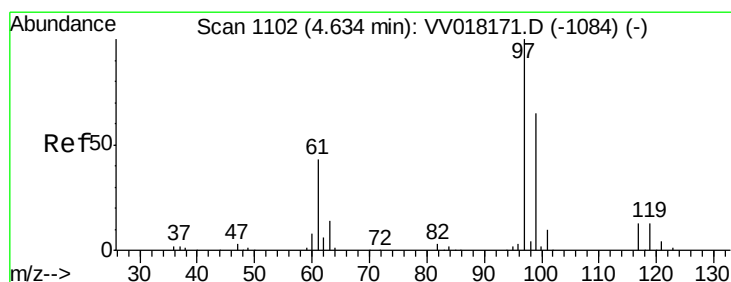
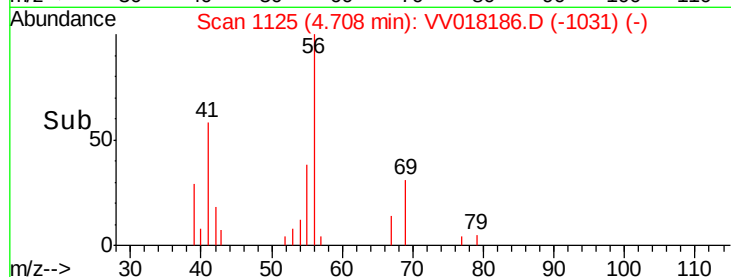
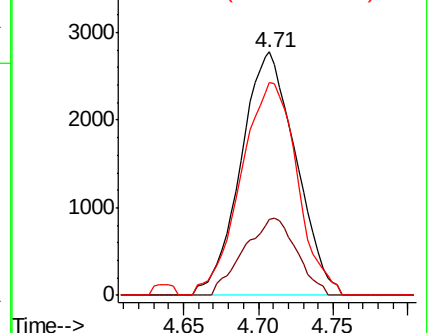
84 89.1 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.196 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

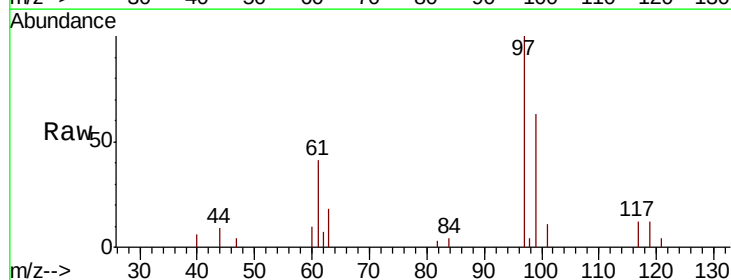
Tgt Ion: 97 Resp: 7335

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

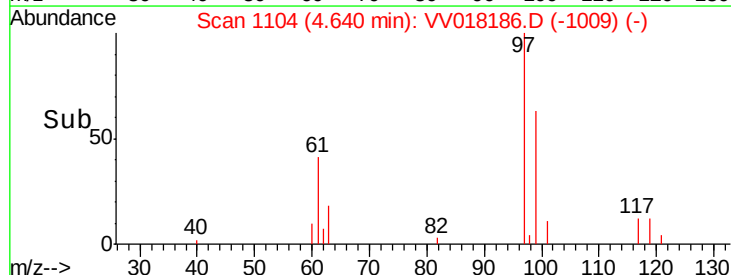
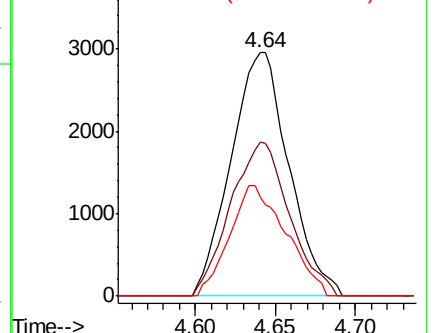
61 43.9 34.9 52.3

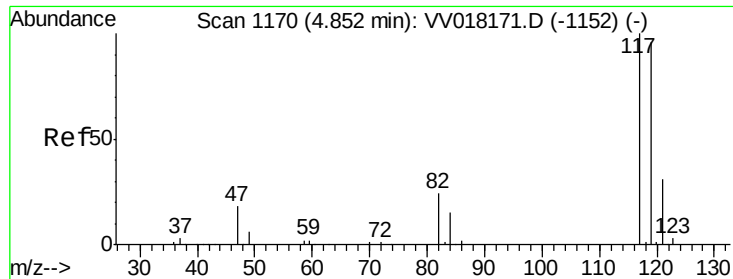


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.133 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

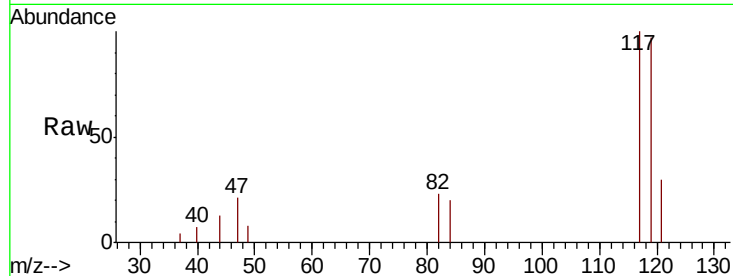
MDL04

Tot Ion:117 Resp: 6265

Ion Ratio Lower Upper

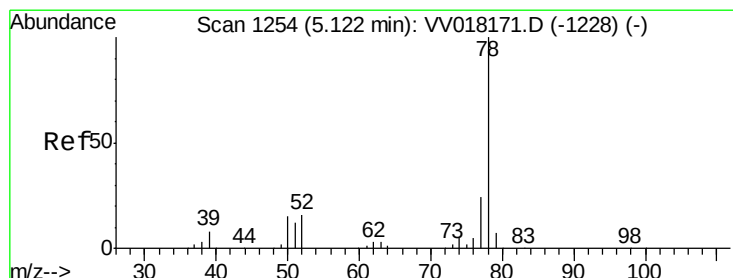
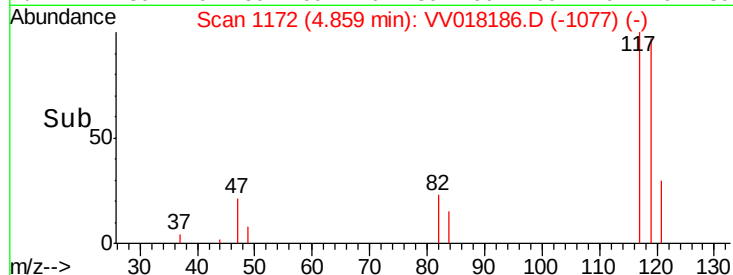
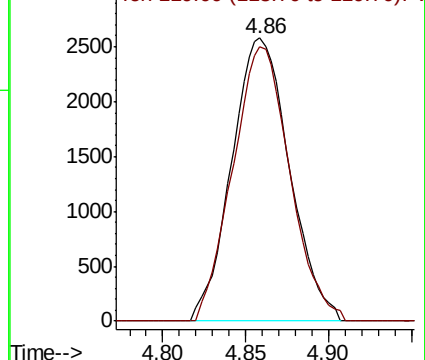
117 100

119 95.6 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.241 ug/L

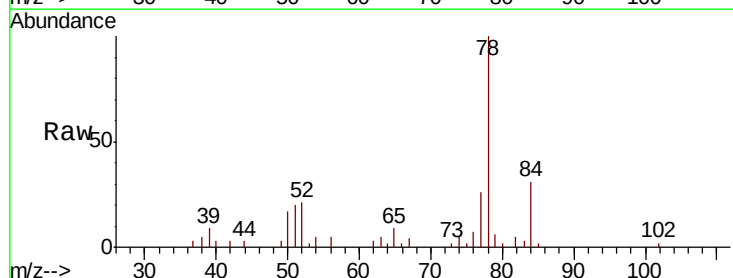
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

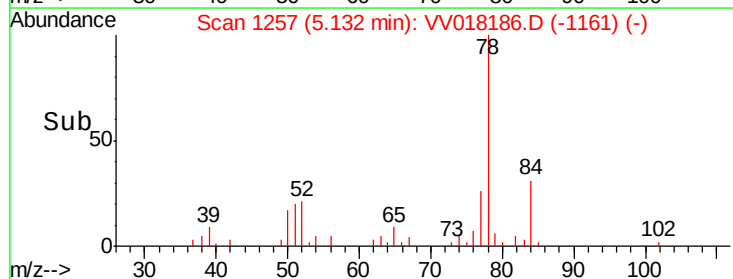
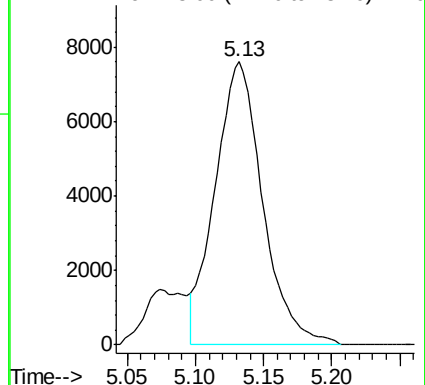
Lab File: VV018186.D

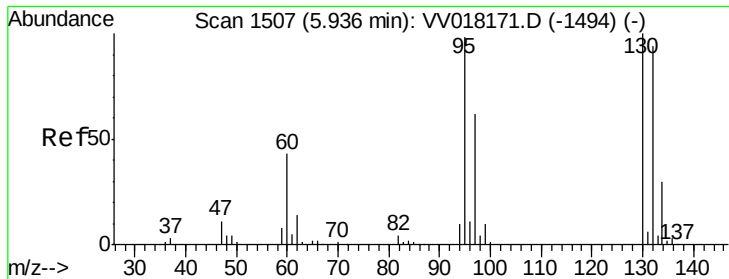
Acq: 10 Sep 2020 17:49

Tgt Ion: 78 Resp: 18444



Abundance Ion 78.00 (77.70 to 78.70): VV0

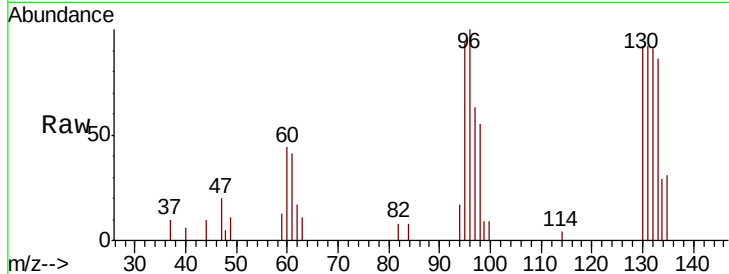




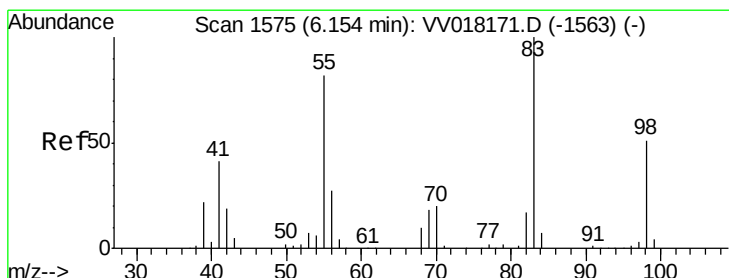
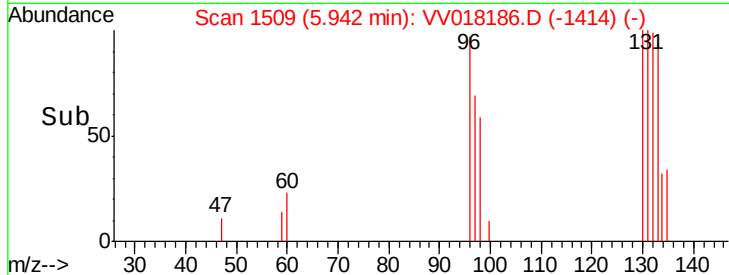
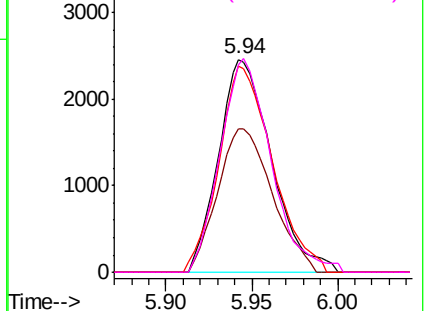
#34
 Trichloroethene
 Concen: 2.350 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 95 Resp: 5269
 Ion Ratio Lower Upper
 95 100
 97 67.2 46.3 85.9
 132 96.9 68.1 126.5
 130 97.8 71.5 132.9

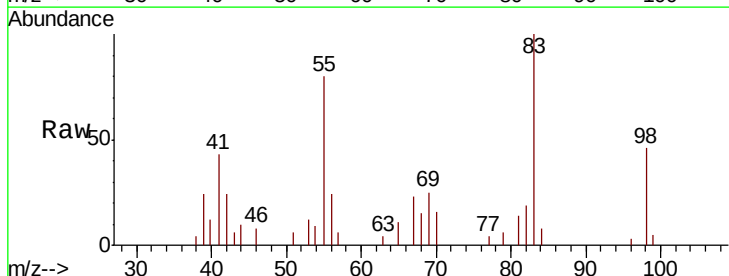


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

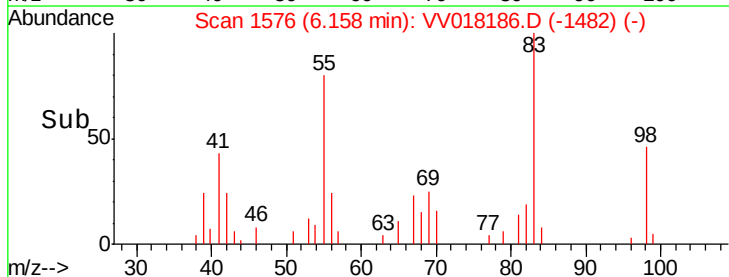
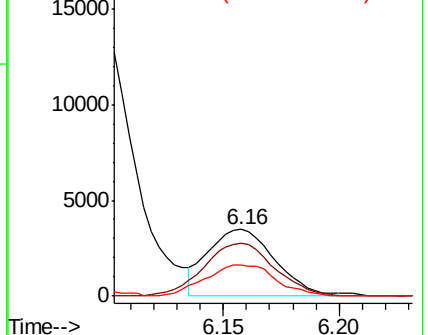


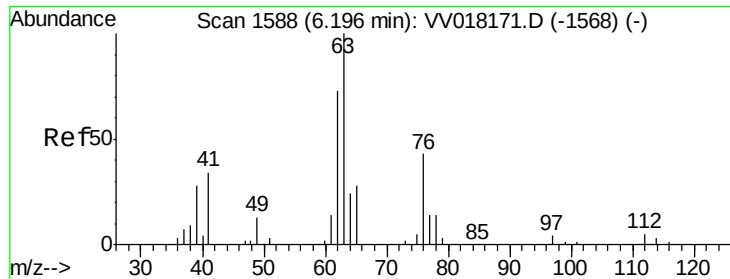
#35
 Methylcyclohexane
 Concen: 2.071 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 83 Resp: 6992
 Ion Ratio Lower Upper
 83 100
 55 84.1 63.4 95.2
 98 49.7 38.8 58.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

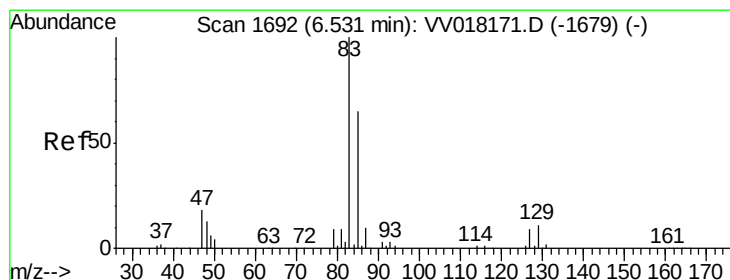
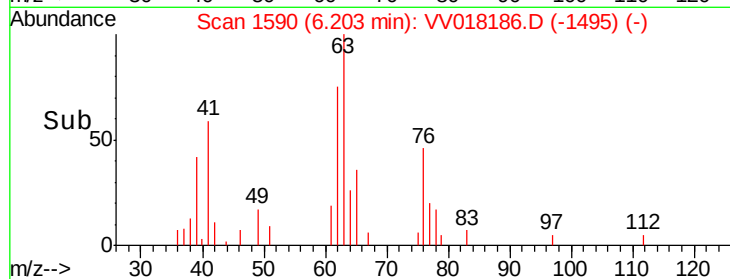
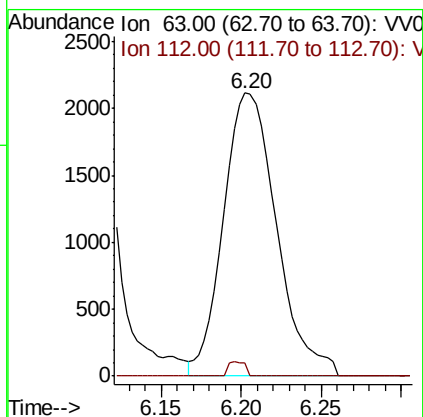
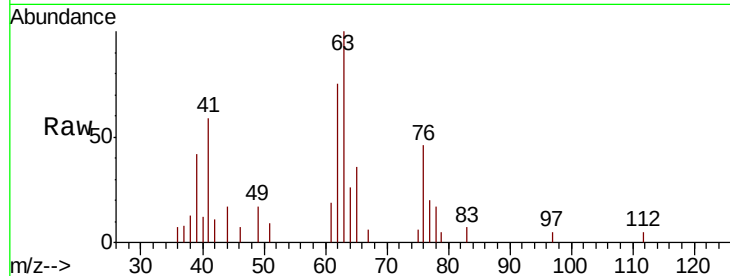




#37
 1,2-Dichloropropane
 Concen: 2.210 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

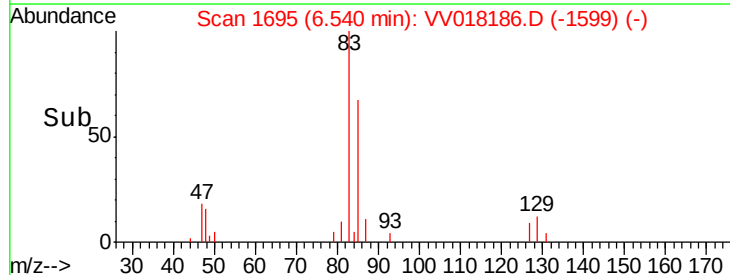
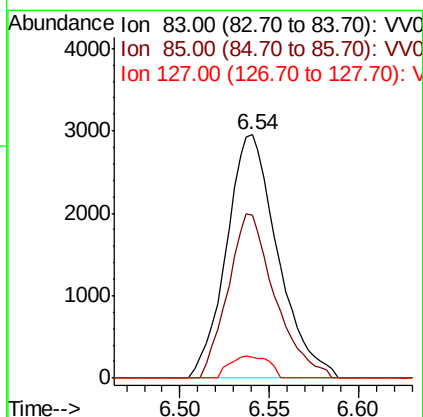
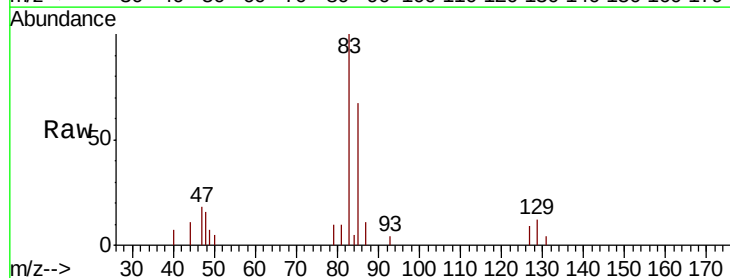
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

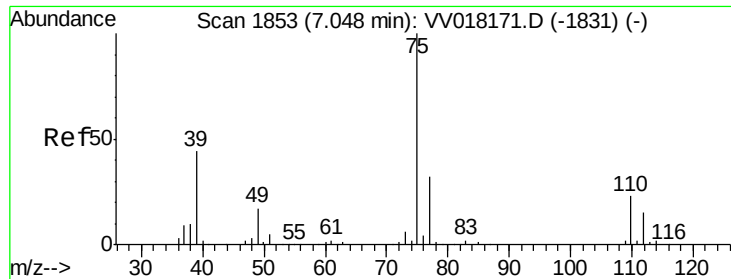
Tot Ion: 63 Resp: 4820
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 2.088 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 83 Resp: 5926
 Ion Ratio Lower Upper
 83 100
 85 67.0 44.7 82.9
 127 8.7 6.7 10.1

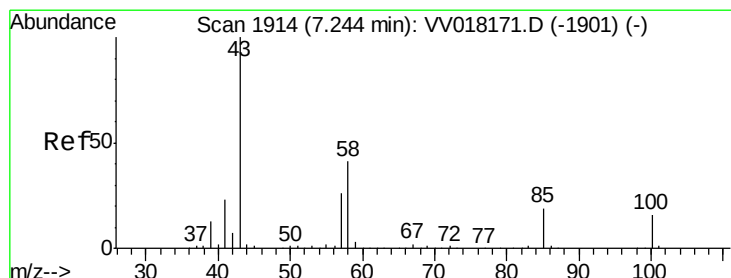
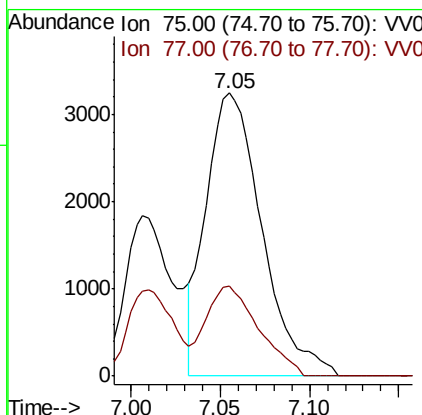
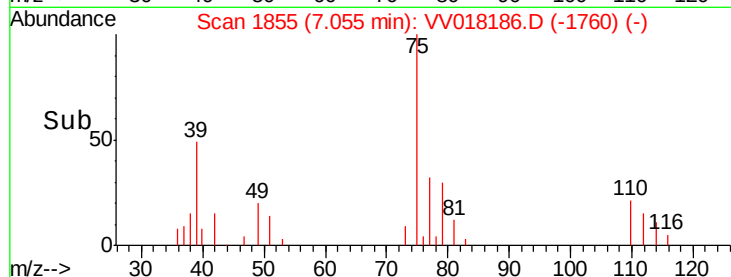
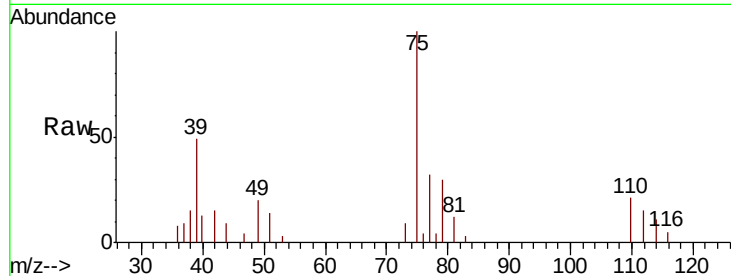




#39
 cis-1,3-Dichloropropene
 Concen: 2.105 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

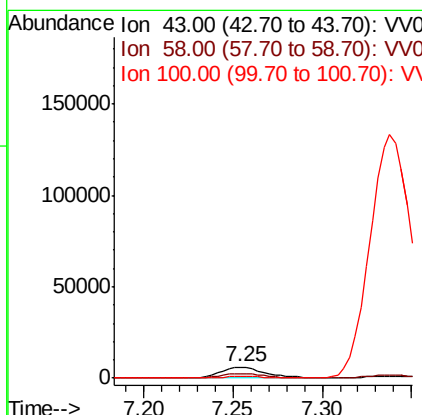
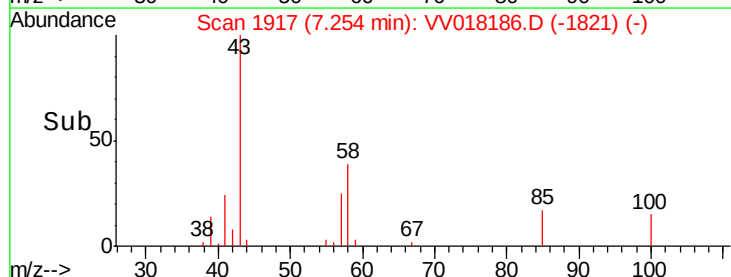
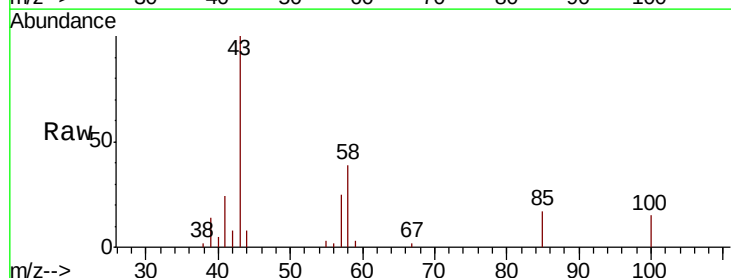
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

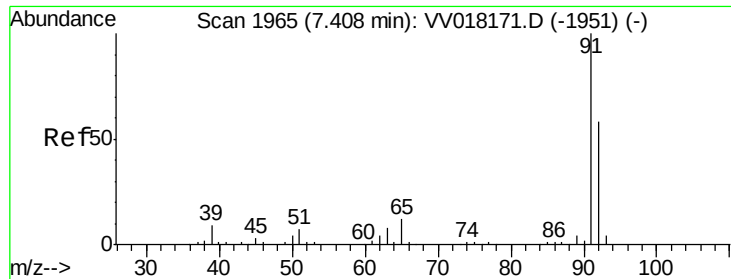
Tot Ion: 75 Resp: 7072
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 3.990 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 43 Resp: 10556
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.4 48.6
 100 13.6 12.7 19.1





#42

Toluene

Concen: 2.241 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

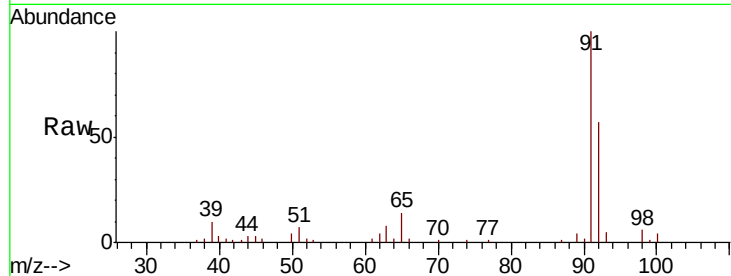
MDL04

Tot Ion: 91 Resp: 19517

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

12000

10000

8000

6000

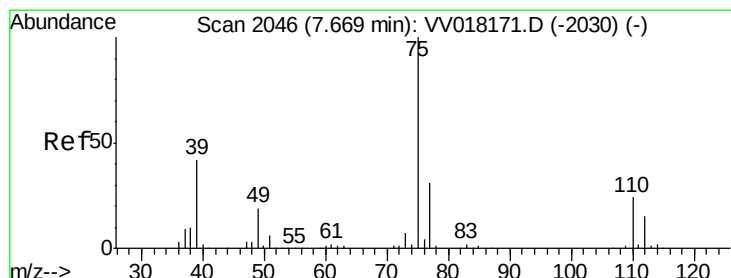
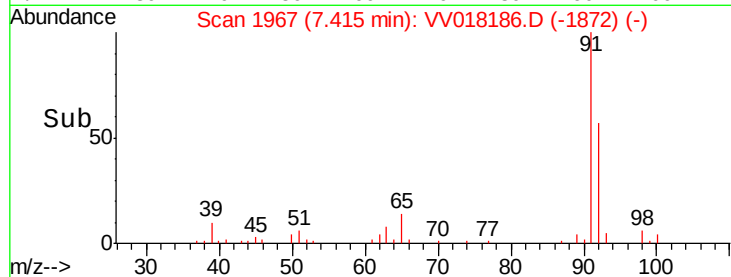
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 2.088 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018186.D

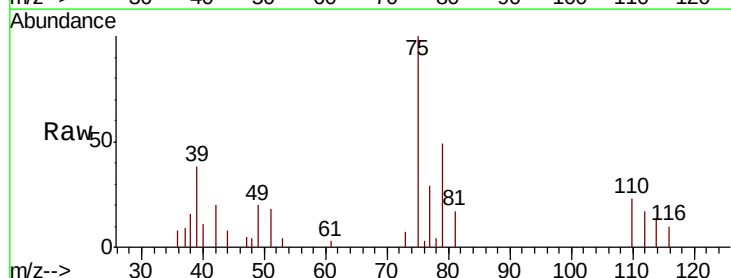
Acq: 10 Sep 2020 17:49

Tgt Ion: 75 Resp: 6831

Ion Ratio Lower Upper

75 100

77 28.8 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.68

4000

3000

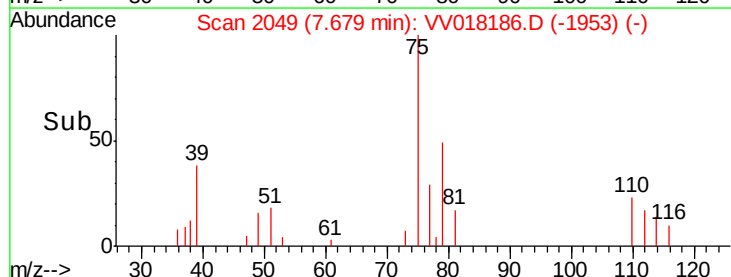
2000

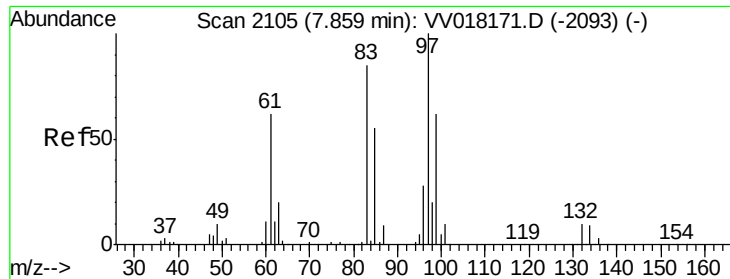
1000

0

Time-->

7.65 7.70 7.75

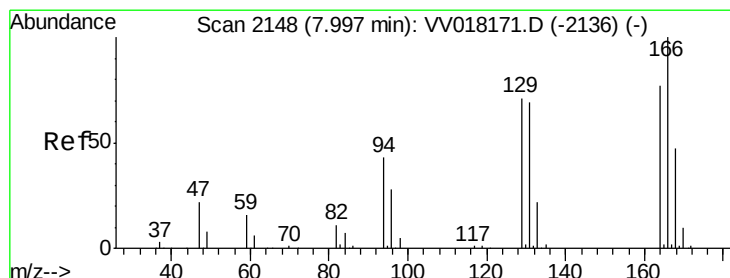
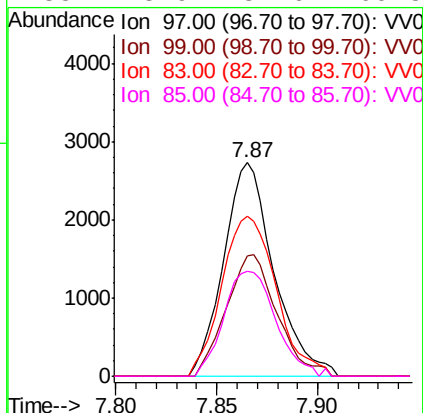
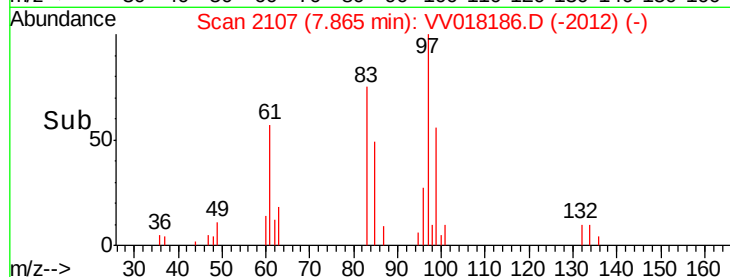
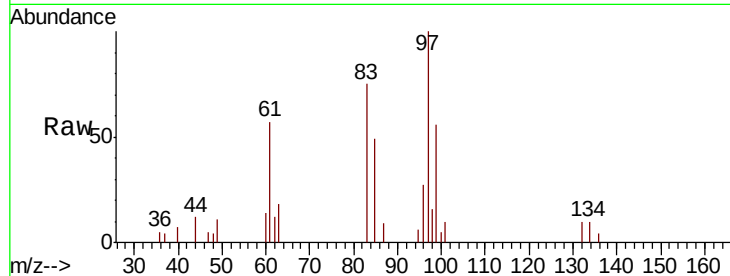




#45
 1,1,2-Trichloroethane
 Concen: 2.355 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

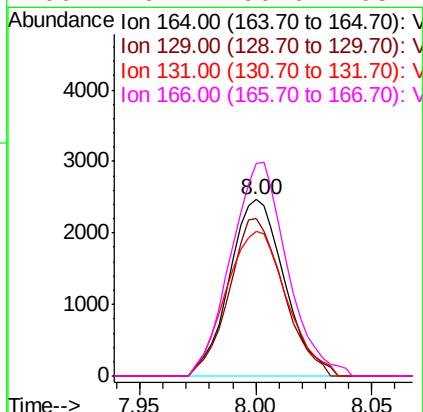
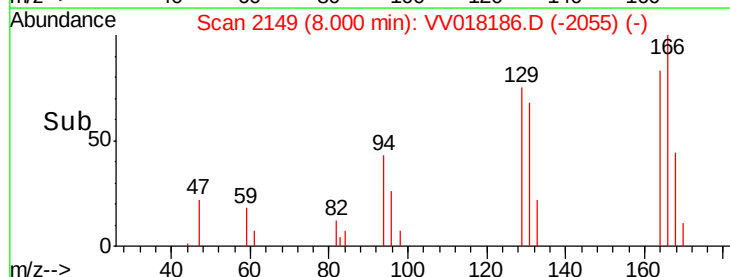
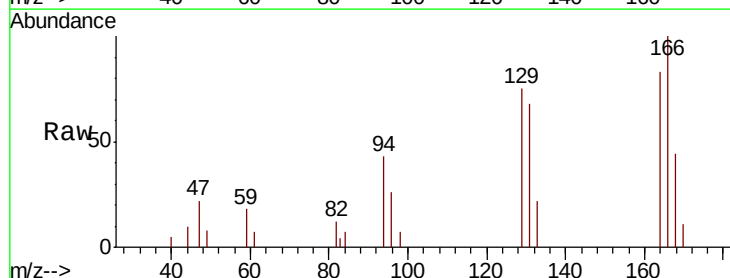
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

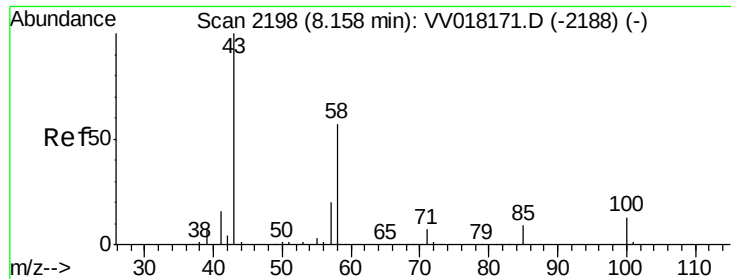
Tot Ion:	97	Resp:	4761
Ion	Ratio	Lower	Upper
97	100		
99	56.2	43.7	81.1
83	75.0	59.9	111.3
85	48.9	37.6	69.8



#46
 Tetrachloroethene
 Concen: 2.320 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion:	164	Resp:	4079
Ion	Ratio	Lower	Upper
164	100		
129	89.6	64.5	119.7
131	82.0	61.8	114.8
166	120.1	90.6	168.2

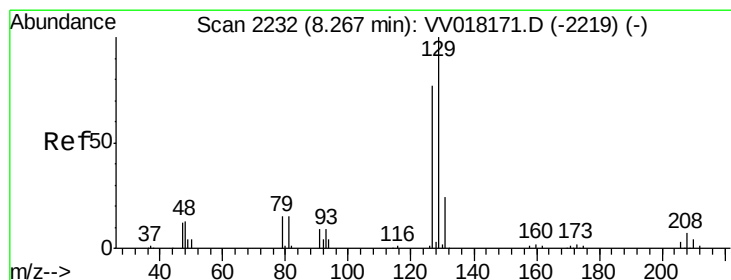
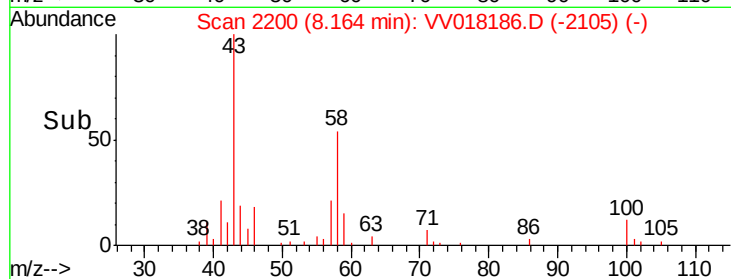
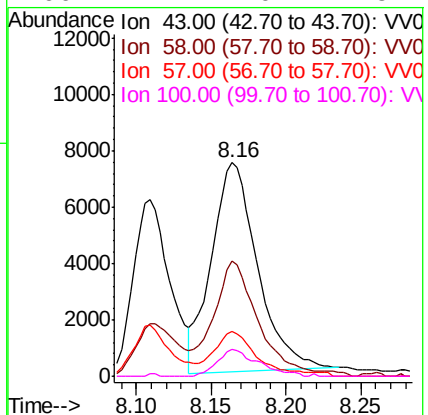
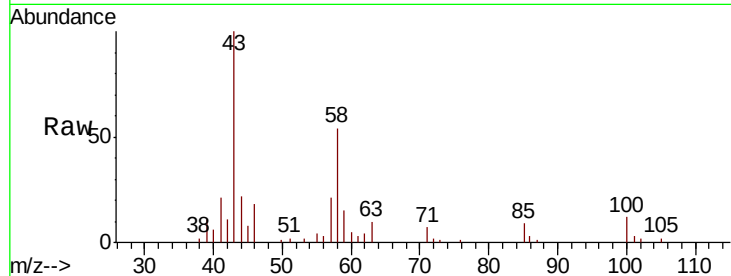




#48
2-Hexanone
Concen: 7.590 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

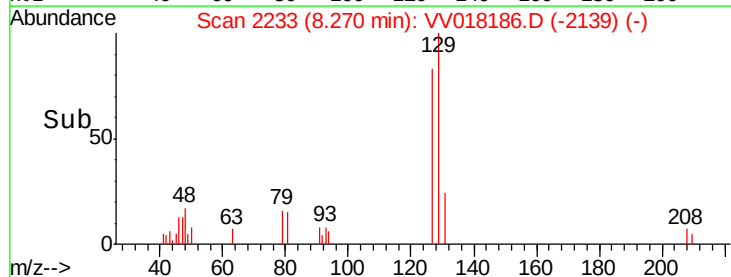
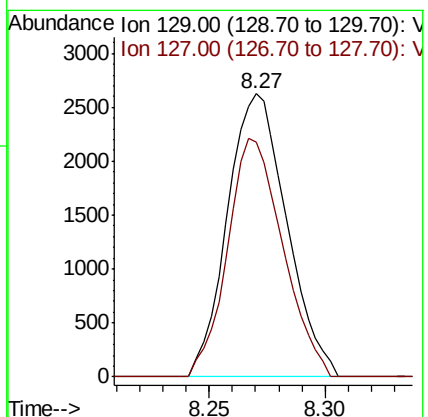
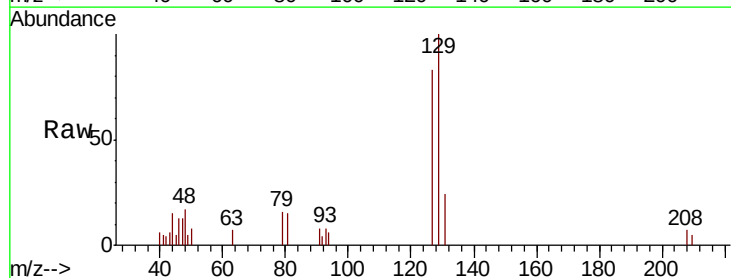
Instrument :
MSVOA_V
ClientSampleId :
MDL04

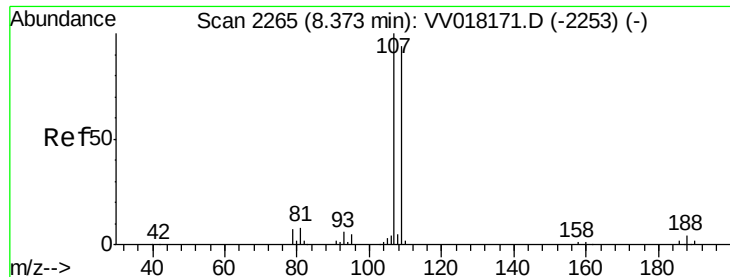
Tot Ion:	43	Resp:	15832
Ion	Ratio	Lower	Upper
43	100		
58	49.0	44.8	67.2
57	17.1	15.8	23.6
100	11.2	10.2	15.4



#49
Dibromochloromethane
Concen: 2.051 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion:	129	Resp:	4653
Ion	Ratio	Lower	Upper
129	100		
127	82.8	54.5	101.1

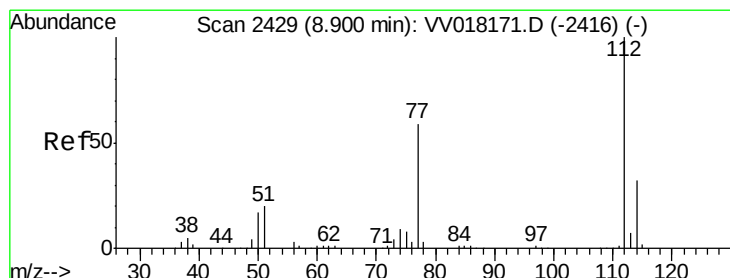
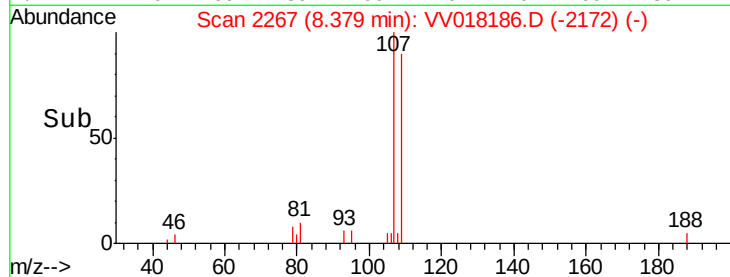
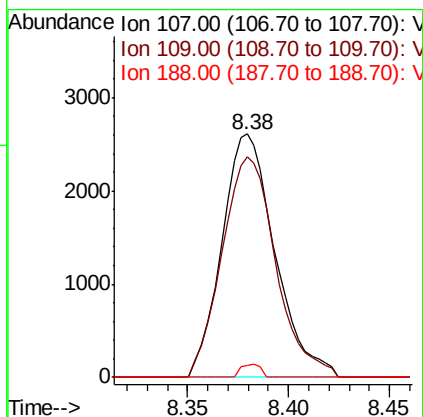
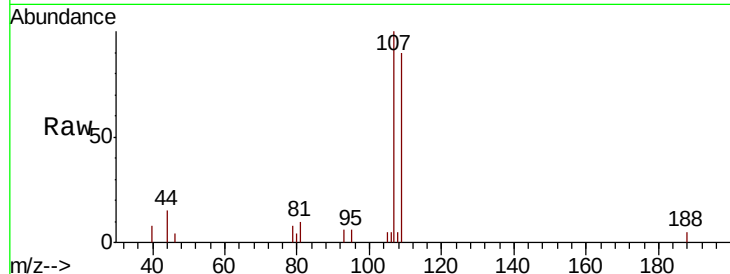




#50
 1,2-Dibromoethane
 Concen: 2.254 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

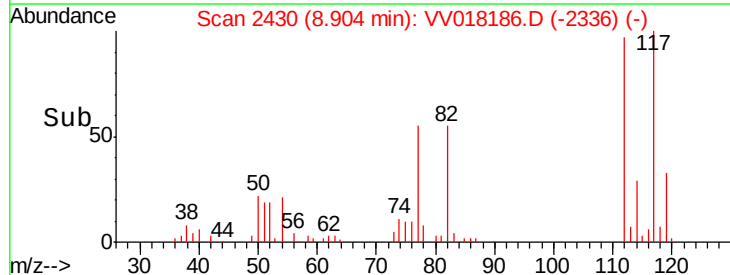
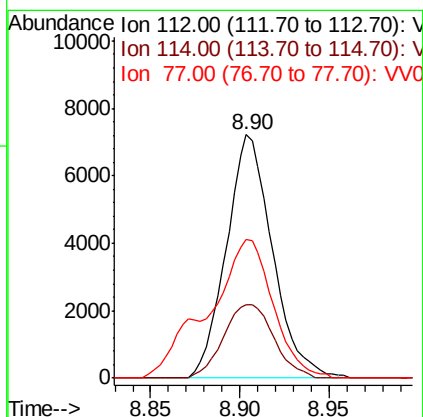
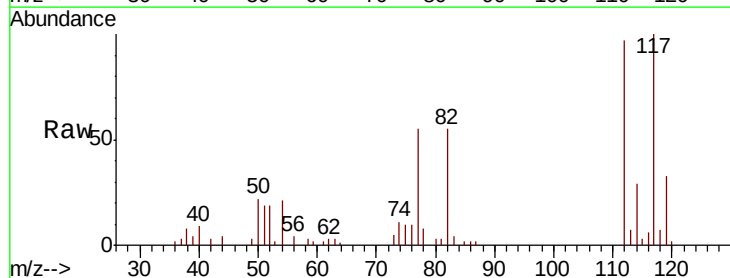
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

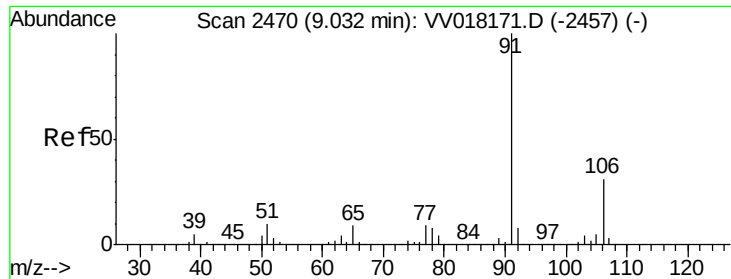
Tot Ion:107 Resp: 4795
 Ion Ratio Lower Upper
 107 100
 109 90.4 66.1 122.8
 188 5.2 3.2 4.8#



#51
 Chlorobenzene
 Concen: 2.289 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion:112 Resp: 12949
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.6 42.0
 77 56.8 48.0 72.0





#52

Ethylbenzene

Concen: 2.174 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

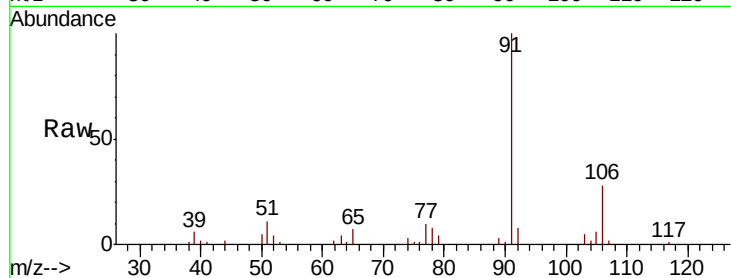
MDL04

Tot Ion: 91 Resp: 20673

Ion Ratio Lower Upper

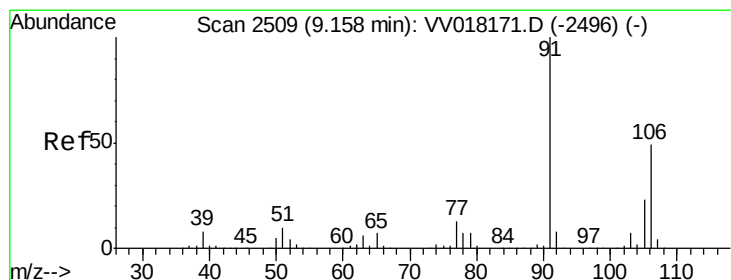
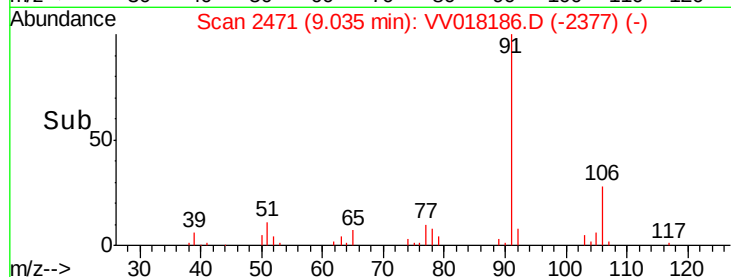
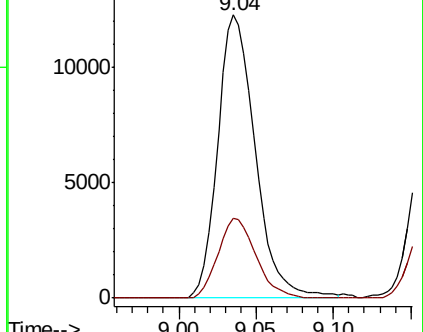
91 100

106 28.3 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018186.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018186.D (-2377) (-)



#53

m,p-Xylene

Concen: 1.965 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018186.D

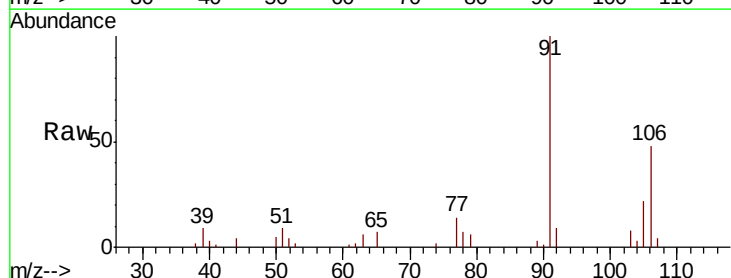
Acq: 10 Sep 2020 17:49

Tgt Ion: 106 Resp: 6974

Ion Ratio Lower Upper

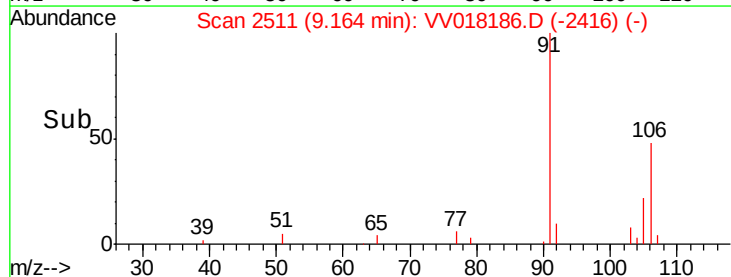
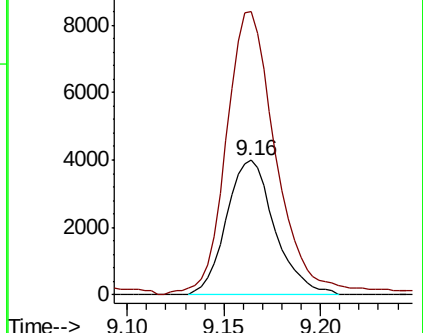
106 100

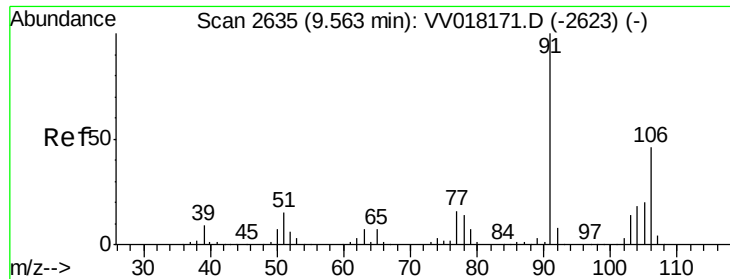
91 210.1 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018186.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018186.D (-2416) (-)

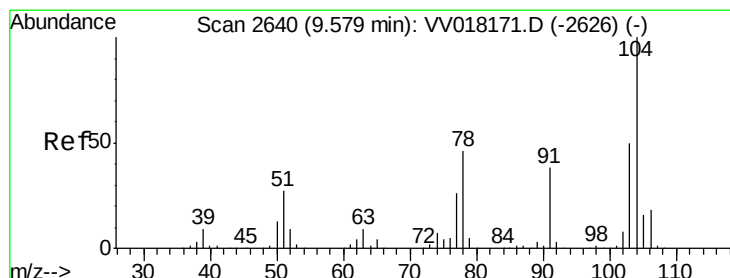
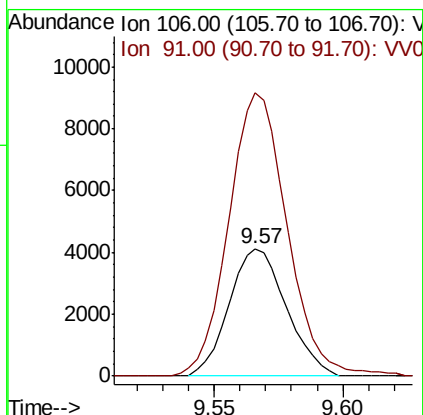
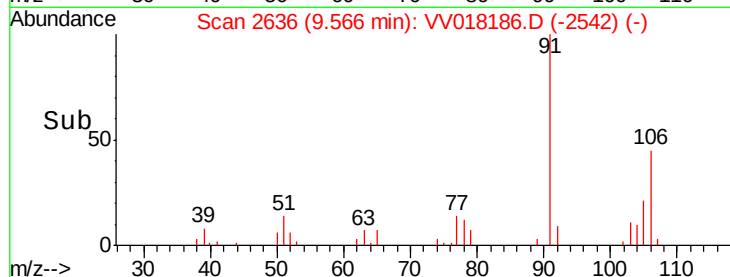
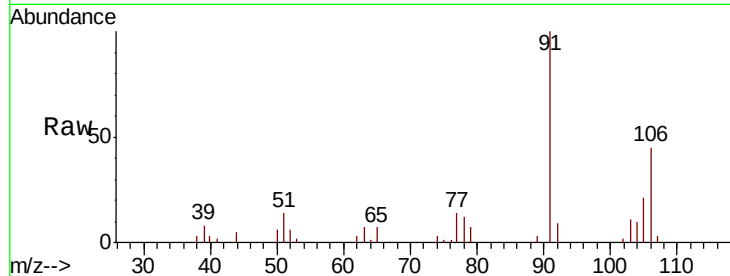




#54
o-xylene
Concen: 1.866 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

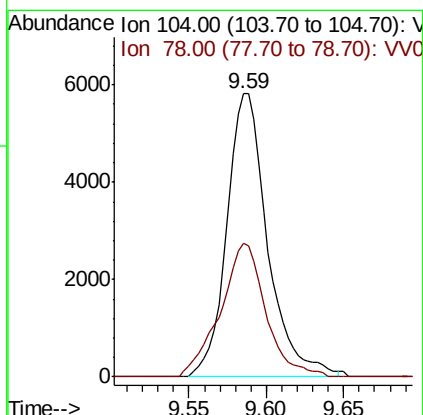
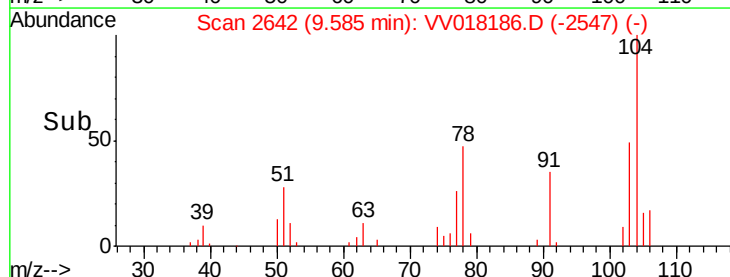
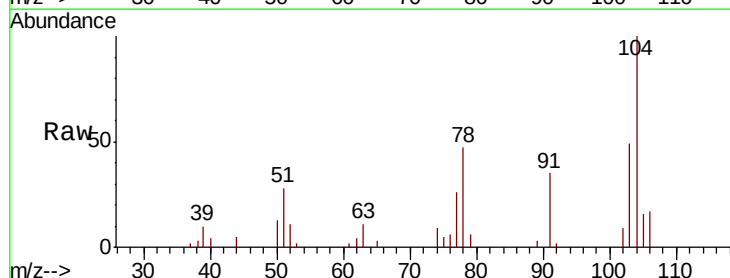
Instrument :
MSVOA_V
ClientSampled :
MDL04

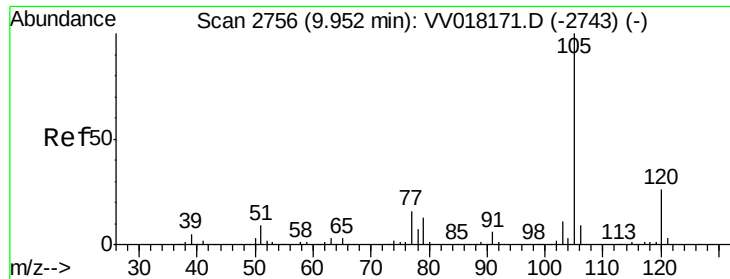
Tot Ion:106 Resp: 6379
Ion Ratio Lower Upper
106 100
91 221.5 152.2 282.6



#55
Styrene
Concen: 1.788 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion:104 Resp: 10629
Ion Ratio Lower Upper
104 100
78 47.3 31.4 58.2





#56

Isopropylbenzene

Concen: 1.880 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

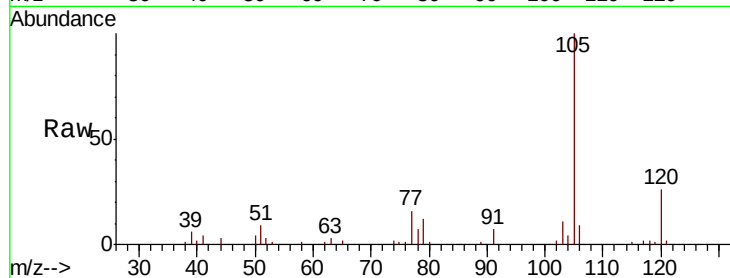
Tot Ion:105 Resp: 17321

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

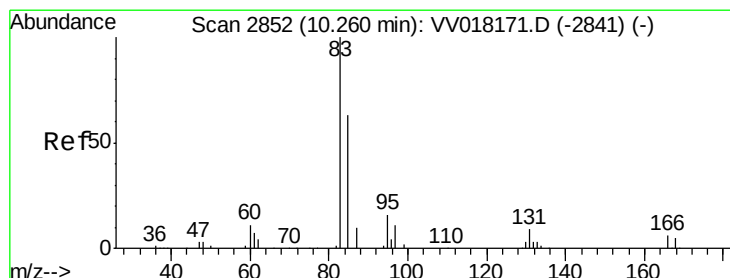
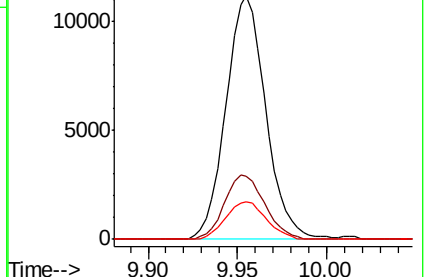
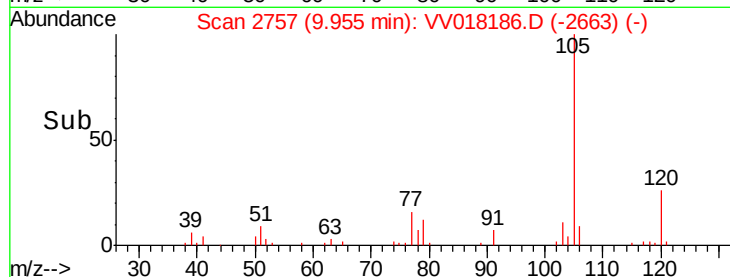
77 15.8 12.5 18.7



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



#58

1,1,2,2-Tetrachloroethane

Concen: 2.453 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

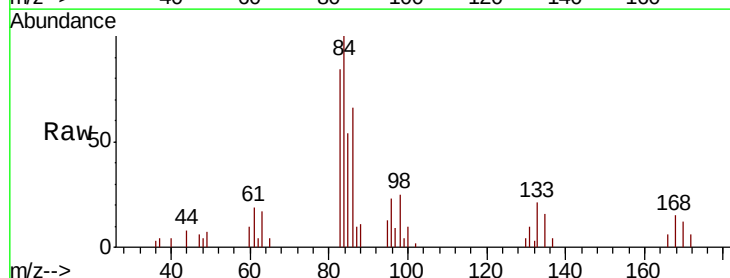
Tgt Ion: 83 Resp: 7335

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.2

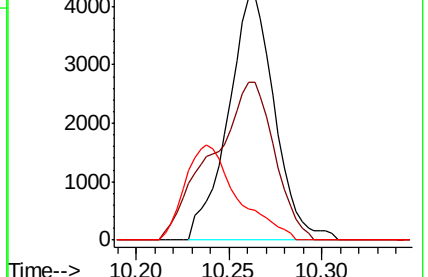
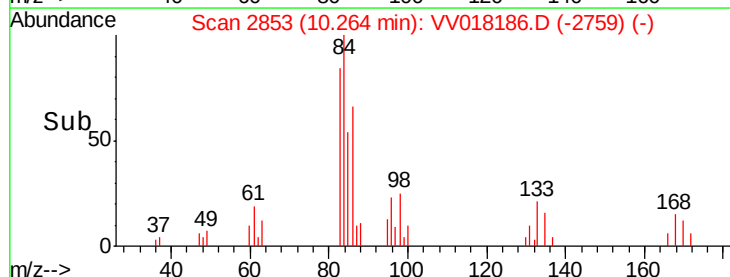
131 12.0 8.0 12.0#

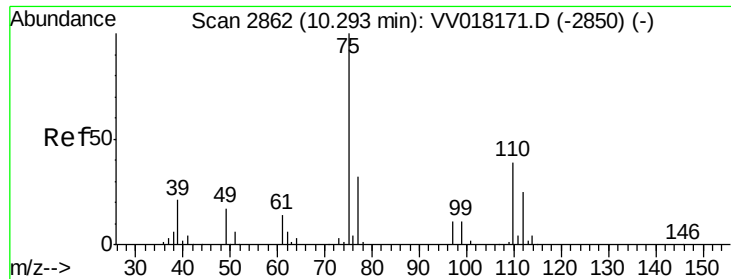


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.229 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

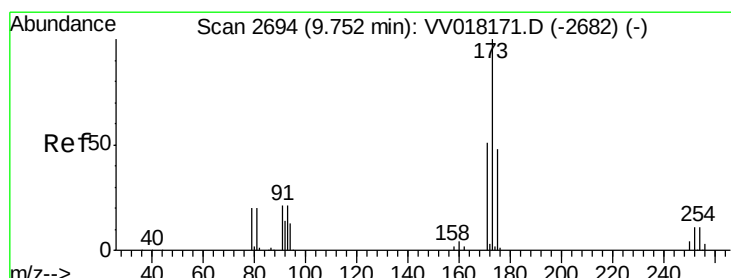
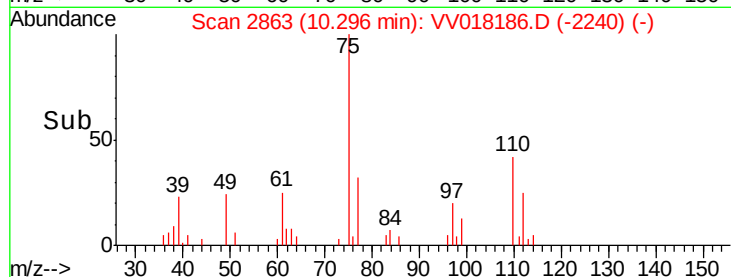
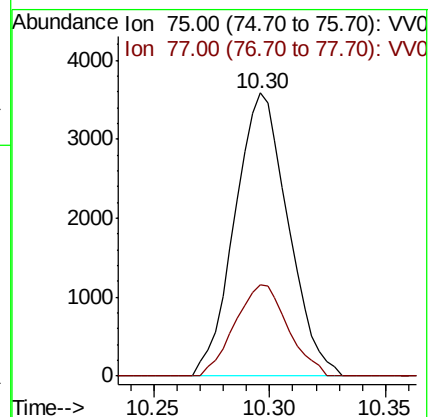
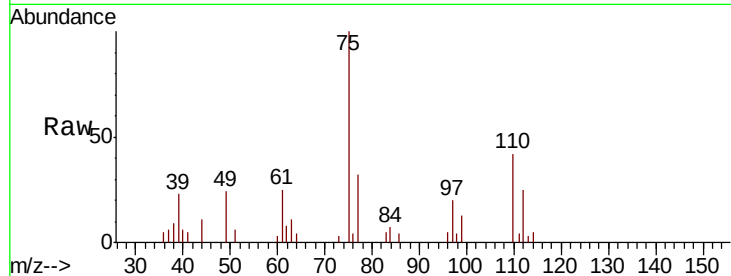
MDL04

Tot Ion: 75 Resp: 5719

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#61

Bromoform

Concen: 1.887 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

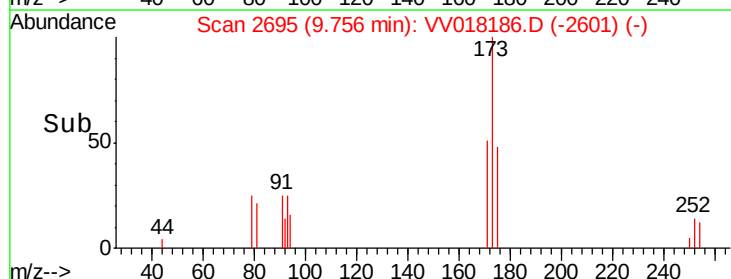
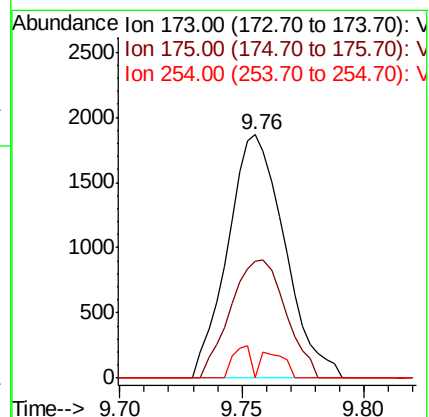
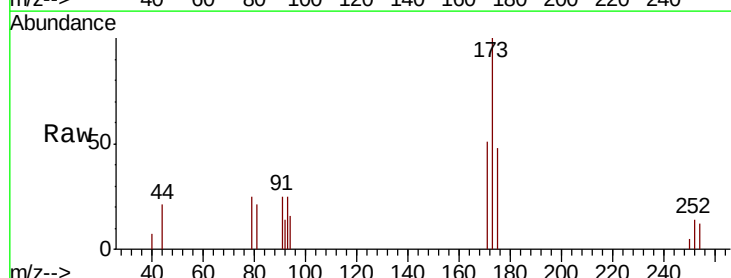
Tgt Ion: 173 Resp: 3026

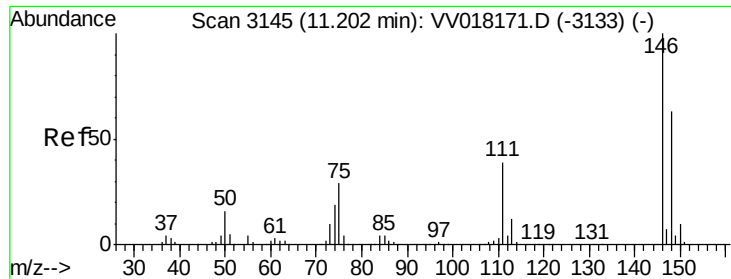
Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.6#

254 4.1 9.0 13.4#





#62

1,3-Dichlorobenzene

Concen: 2.234 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

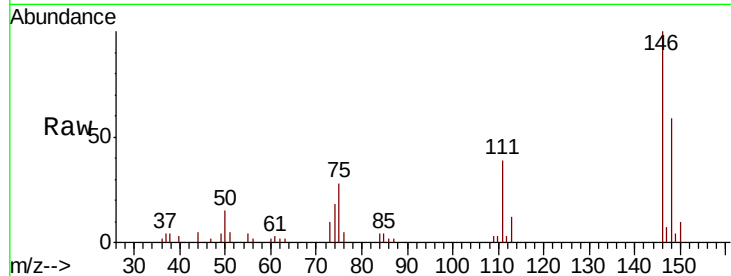
Tot Ion:146 Resp: 9917

Ion Ratio Lower Upper

146 100

111 38.6 27.6 51.2

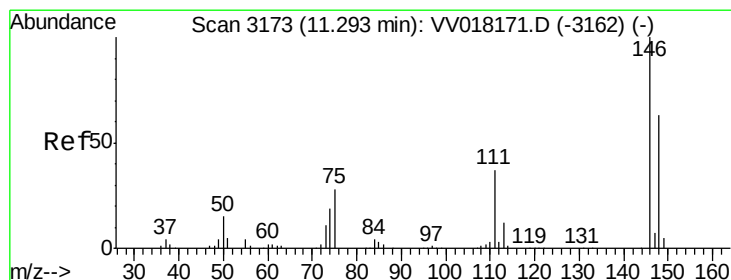
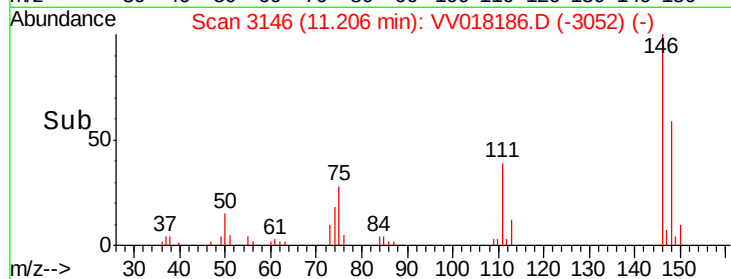
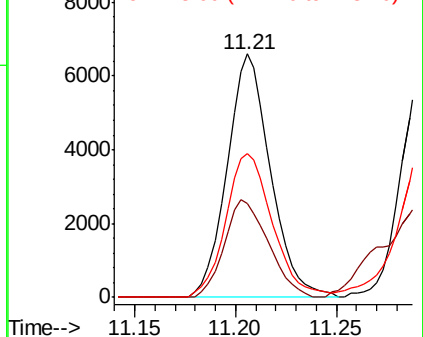
148 59.1 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.417 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

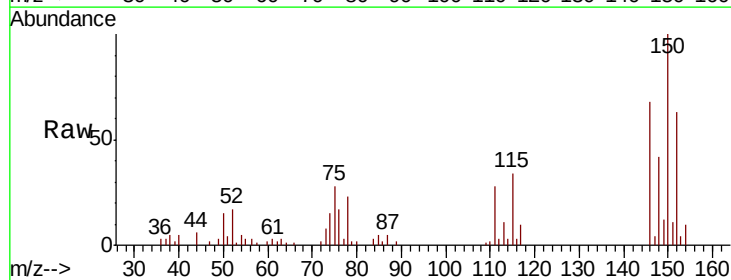
Tgt Ion:146 Resp: 11028

Ion Ratio Lower Upper

146 100

111 40.6 27.1 50.3

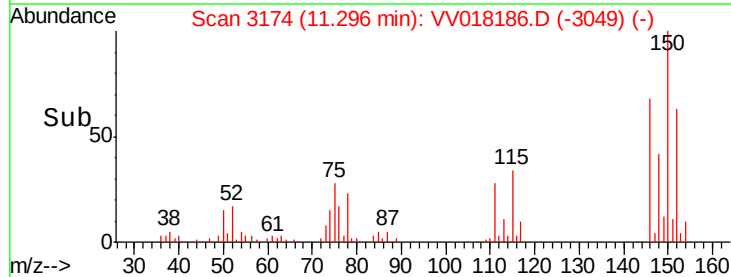
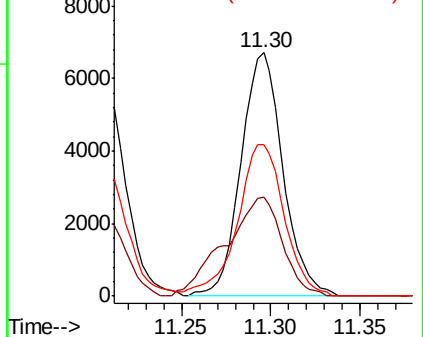
148 62.2 45.4 84.2

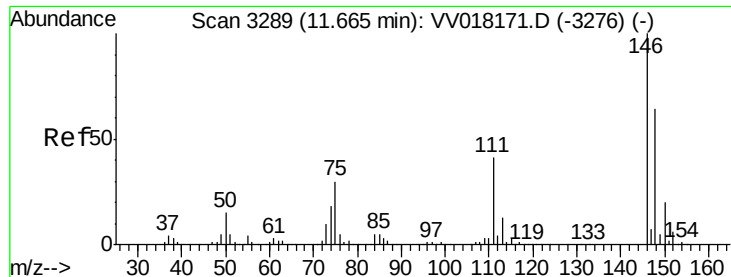


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

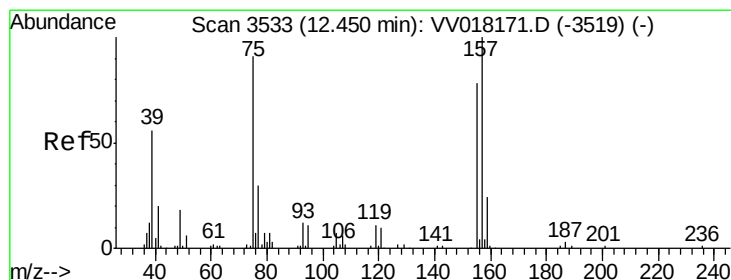
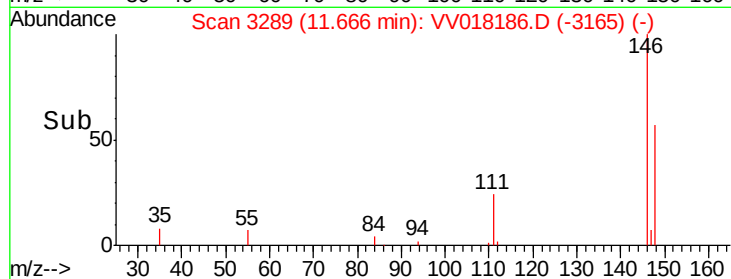
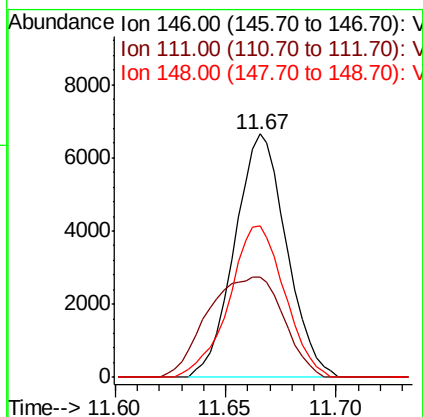
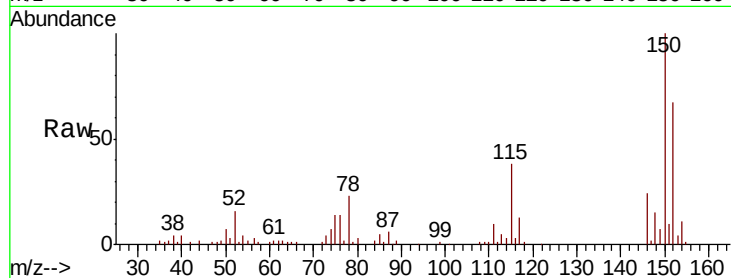




#65
 1,2-Dichlorobenzene
 Concen: 2.419 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

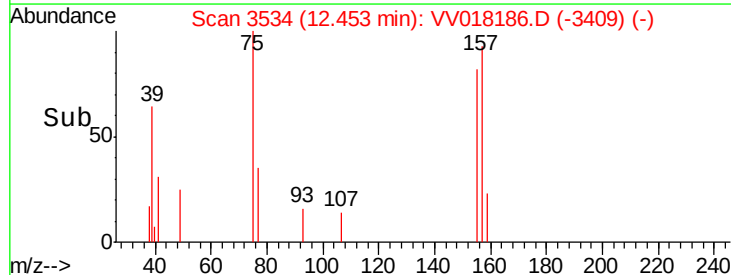
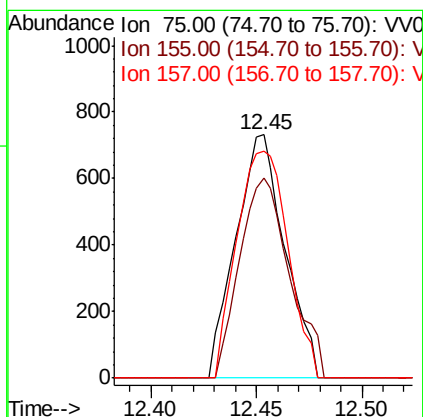
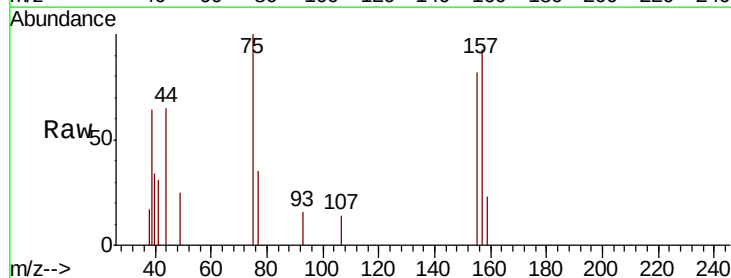
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

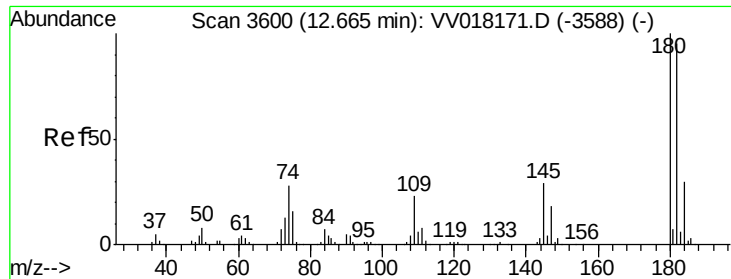
Tot Ion:146 Resp: 10854
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.8 49.2
 148 62.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.859 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 75 Resp: 1177
 Ion Ratio Lower Upper
 75 100
 155 82.1 69.7 104.5
 157 93.2 88.2 132.4

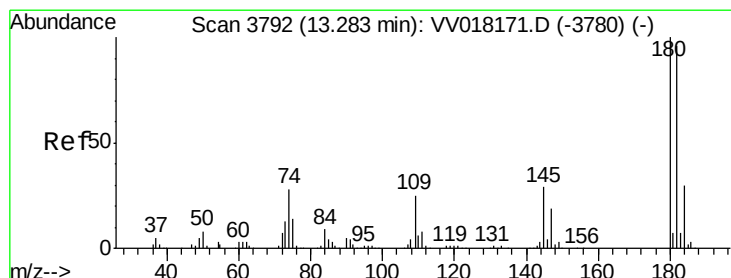
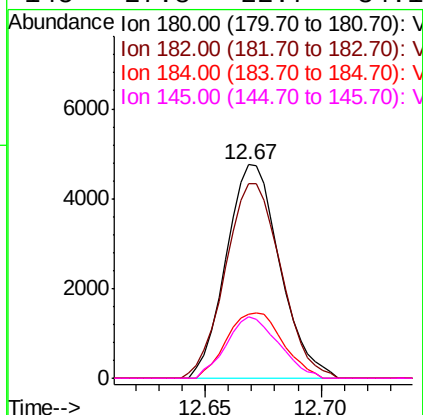
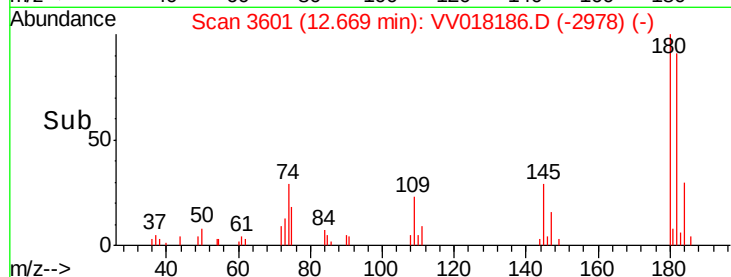
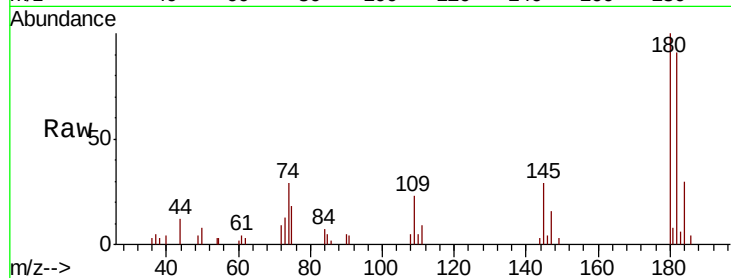




#67
 1,3,5-Trichlorobenzene
 Concen: 2.189 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

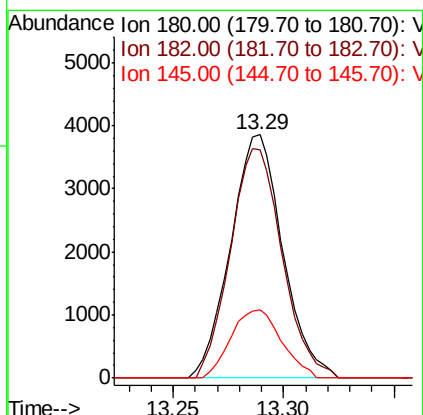
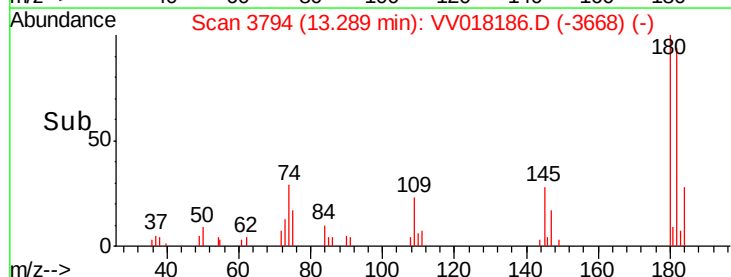
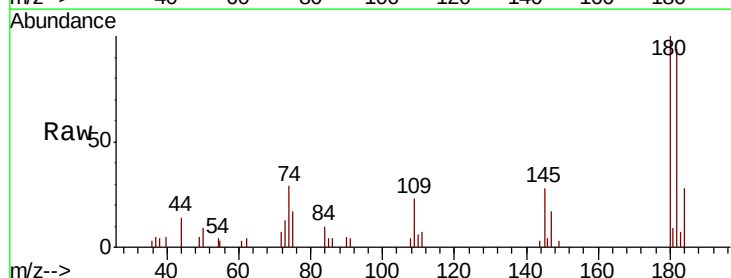
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

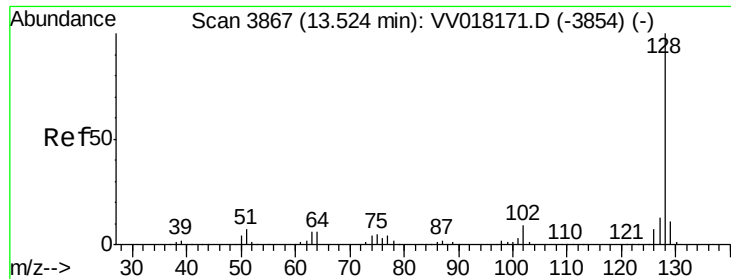
Tot Ion:180 Resp: 7658
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.8 115.2
 184 31.9 24.6 36.8
 145 27.8 22.7 34.1



#68
 1,2,4-trichlorobenzene
 Concen: 2.034 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion:180 Resp: 6339
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.4 116.2
 145 27.3 23.2 34.8





#69

Naphthalene

Concen: 1.586 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

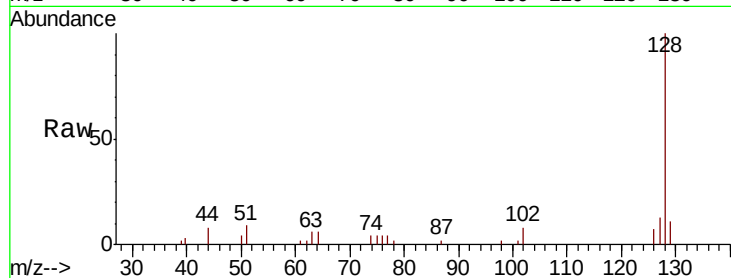
Tot Ion:128 Resp: 12505

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

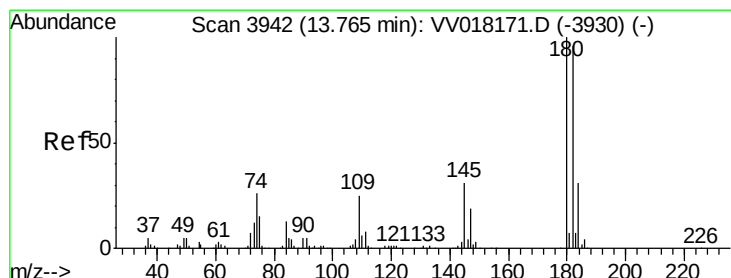
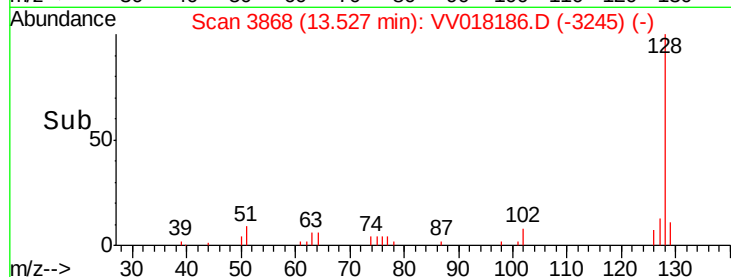
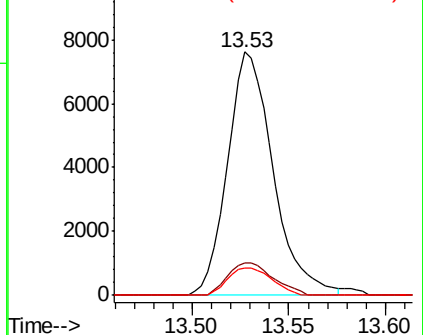
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.936 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

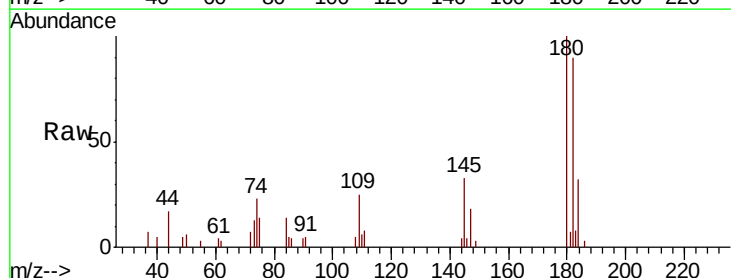
Tgt Ion:180 Resp: 5941

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

145 32.2 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

