

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018187.D
 Acq On : 10 Sep 2020 18:11
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Sep 11 01:34:29 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	293417	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289875	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147839	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101453	42.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.86%
7) Chloroethane-d5	1.58	69	88915	45.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.88%
11) 1,1-Dichloroethene-d2	2.12	63	153587	35.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.02%
21) 2-Butanone-d5	3.91	46	145337	99.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.38	84	188697	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.96%
26) 1,2-Dichloroethane-d4	5.06	65	129722	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
32) Benzene-d6	5.08	84	392954	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
36) 1,2-Dichloropropane-d6	6.09	67	126942	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.34	98	353354	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%
43) trans-1,3-Dichloropropene-	7.64	79	59108	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.11	63	90560	90.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.67%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	156011	47.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	152539	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4732	2.212	ug/L	99
3) Chloromethane	1.25	50	5398	2.311	ug/L	99
5) Vinyl chloride	1.32	62	5788	2.416	ug/L #	71
6) Bromomethane	1.53	94	3434	2.345	ug/L	95
8) Chloroethane	1.60	64	3821	2.546	ug/L	99
9) Trichlorofluoromethane	1.77	101	7664	2.325	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5781	2.920	ug/L	84
12) 1,1-Dichloroethene	2.13	96	5498	2.854	ug/L #	1
13) Acetone	2.19	43	4705	4.014	ug/L	97
14) Carbon disulfide	2.31	76	13455	2.282	ug/L	99
15) Methyl Acetate	2.46	43	4399	2.089	ug/L	91
16) Methylene chloride	2.53	84	5687	2.632	ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	4310	2.171	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	13239	2.156	ug/L	99
19) 1,1-Dichloroethane	3.22	63	8471	2.257	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4475	2.108	ug/L	88
23) Bromochloromethane	4.28	128	2339	2.106	ug/L	94

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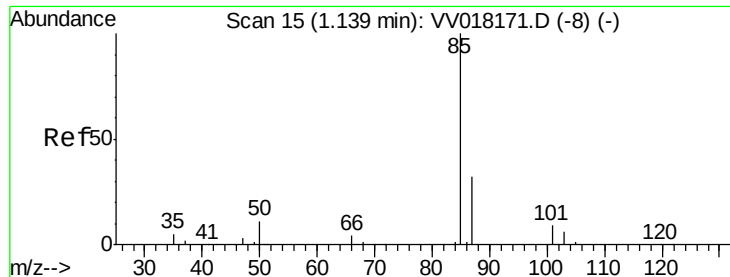
Instrument :
 MSVOA_V
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Quant Time: Sep 11 01:34:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Chloroform	4.41	83	16195	4.244	ug/L	98
27) 1,2-Dichloroethane	5.16	62	6979	2.363	ug/L #	95
29) Cyclohexane	4.70	56	6917	2.066	ug/L #	61
30) 1,1,1-Trichloroethane	4.64	97	7215	2.145	ug/L	98
31) Carbon tetrachloride	4.86	117	6262	2.117	ug/L	93
33) Benzene	5.13	78	18526	2.235	ug/L	100
34) Trichloroethene	5.95	95	5375	2.381	ug/L	96
35) Methylcyclohexane	6.16	83	7316	2.152	ug/L	99
37) 1,2-Dichloropropane	6.20	63	5170	2.354	ug/L #	89
38) Bromodichloromethane	6.54	83	6001	2.100	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	6096	1.802	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	10599	3.978	ug/L	98
42) Toluene	7.41	91	19319	2.203	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	9413	2.857	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	4559	2.240	ug/L	98
46) Tetrachloroethene	8.00	164	3951	2.232	ug/L	92
48) 2-Hexanone	8.16	43	15611	7.432	ug/L	97
49) Dibromochloromethane	8.27	129	4754	2.081	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4692	2.190	ug/L	96
51) Chlorobenzene	8.90	112	13084	2.297	ug/L	99
52) Ethylbenzene	9.04	91	20225	2.112	ug/L	100
53) m,p-Xylene	9.16	106	7499	2.098	ug/L	88
54) o-xylene	9.57	106	6599	1.916	ug/L	97
55) Styrene	9.59	104	10974	1.834	ug/L	96
56) Isopropylbenzene	9.95	105	17239	1.858	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7397	2.457	ug/L #	90
59) 1,2,3-Trichloropropane	10.30	75	5618	2.175	ug/L	95
61) Bromoform	9.76	173	3063	1.929	ug/L #	96
62) 1,3-Dichlorobenzene	11.21	146	9804	2.230	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	10872	2.406	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	10742	2.417	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	1117	1.781	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	7434	2.145	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	6277	2.034	ug/L	96
69) Naphthalene	13.53	128	12000	1.537	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5827	1.917	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.212 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

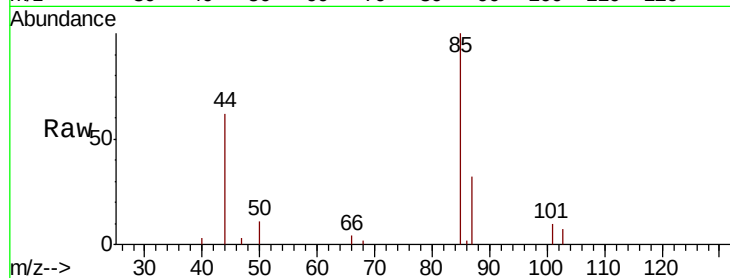
MDL05

Tot Ion: 85 Resp: 4732

Ion Ratio Lower Upper

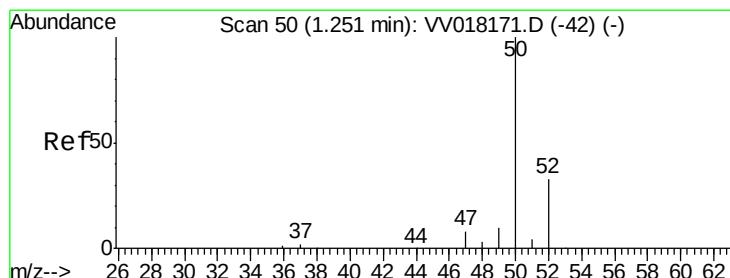
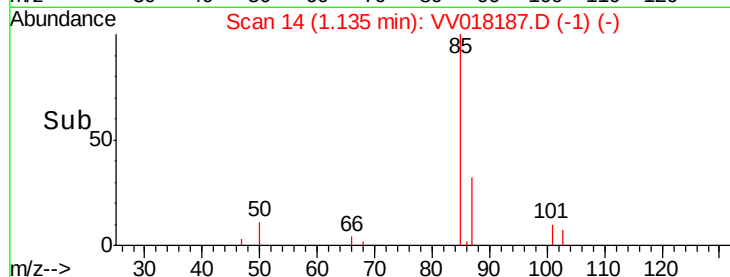
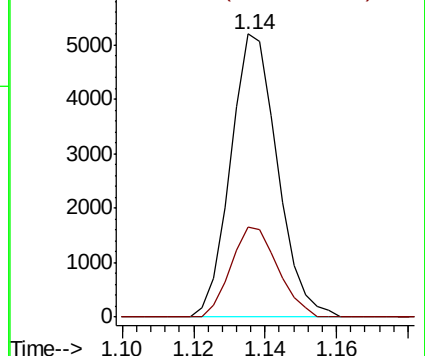
85 100

87 31.8 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: 2.311 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV018187.D

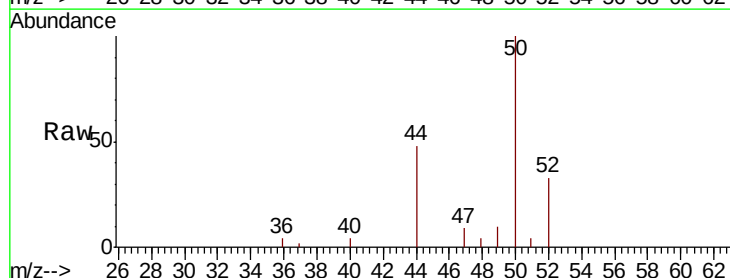
Acq: 10 Sep 2020 18:11

Tgt Ion: 50 Resp: 5398

Ion Ratio Lower Upper

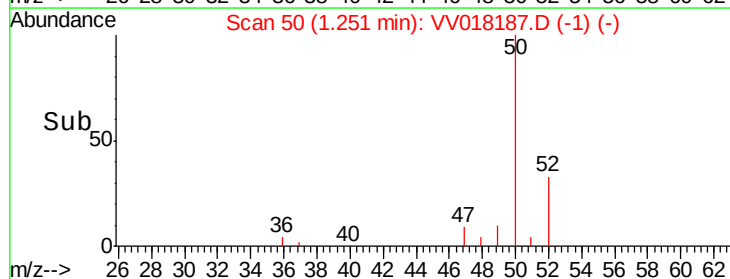
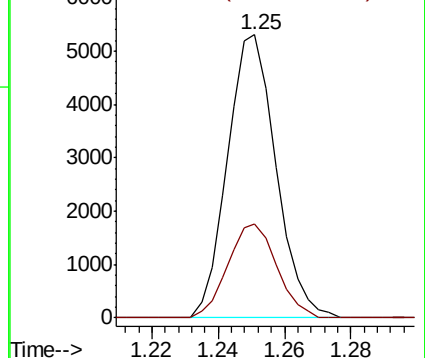
50 100

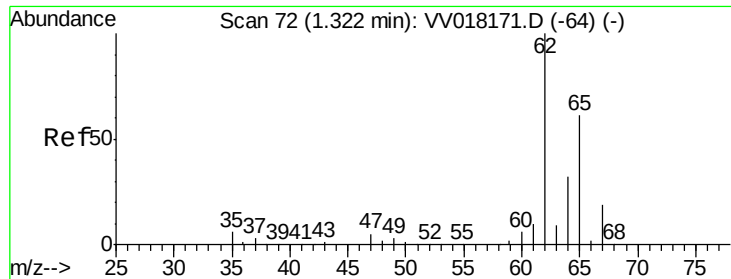
52 33.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.416 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampled :

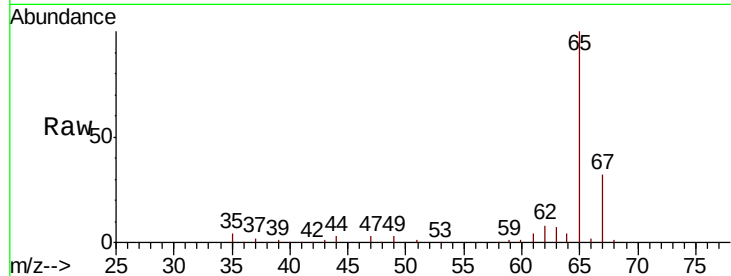
MDL05

Tot Ion: 62 Resp: 5788

Ion Ratio Lower Upper

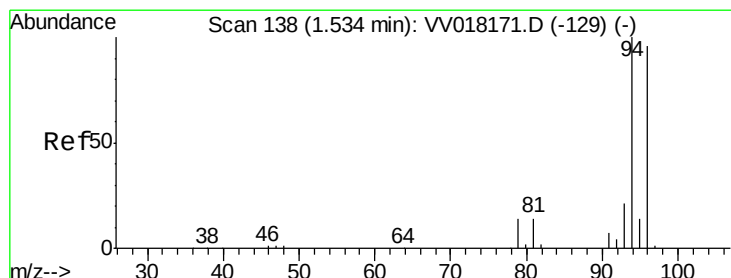
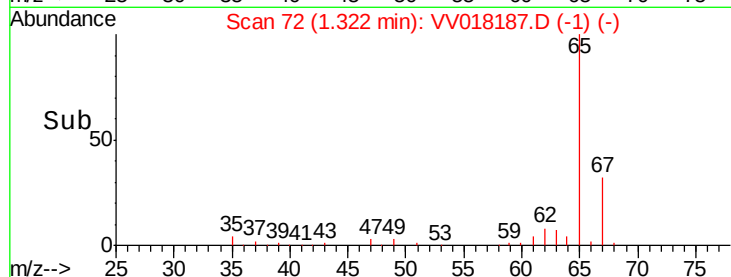
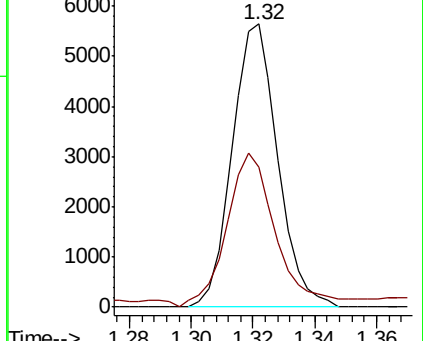
62 100

64 49.7 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.345 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018187.D

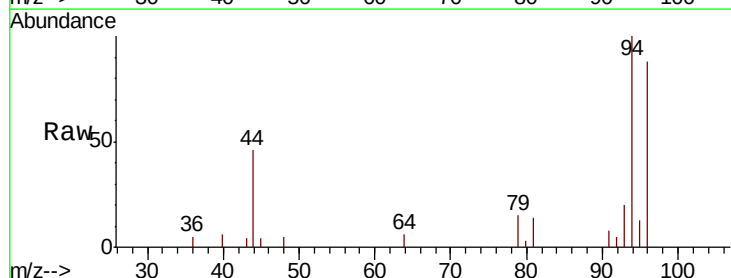
Acq: 10 Sep 2020 18:11

Tgt Ion: 94 Resp: 3434

Ion Ratio Lower Upper

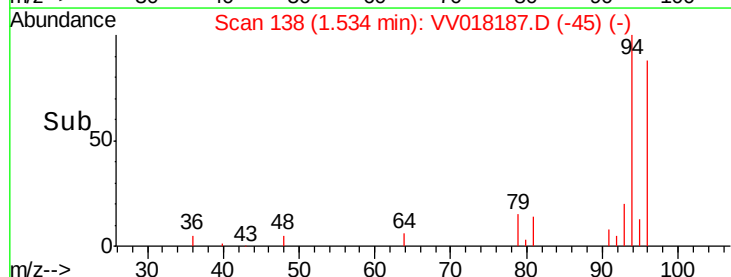
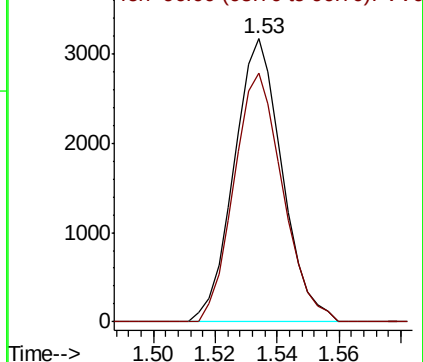
94 100

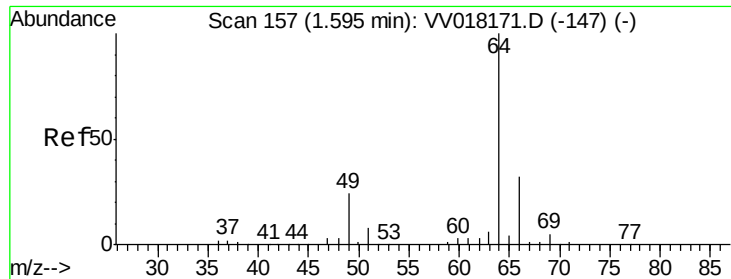
96 87.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

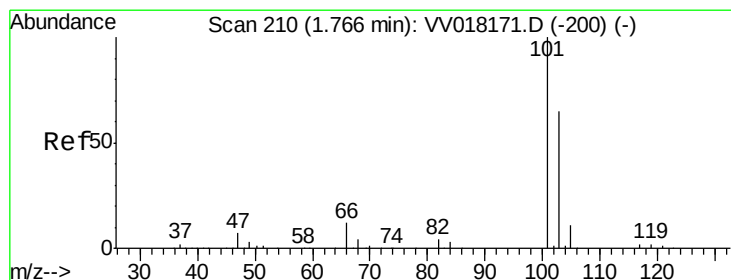
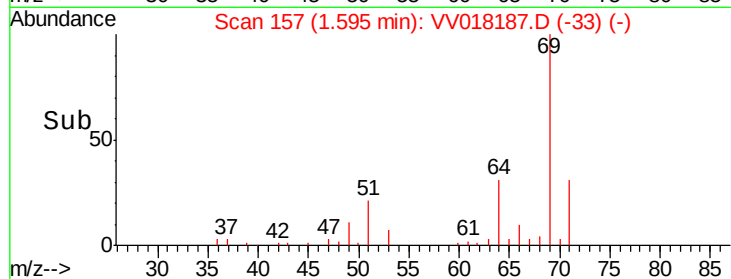
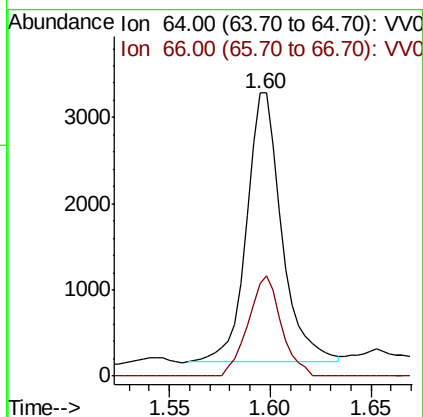
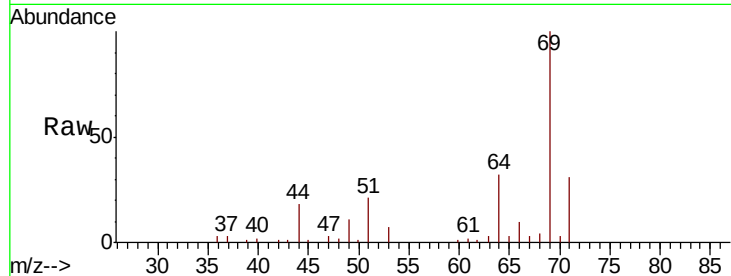




#8
Chloroethane
Concen: 2.546 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

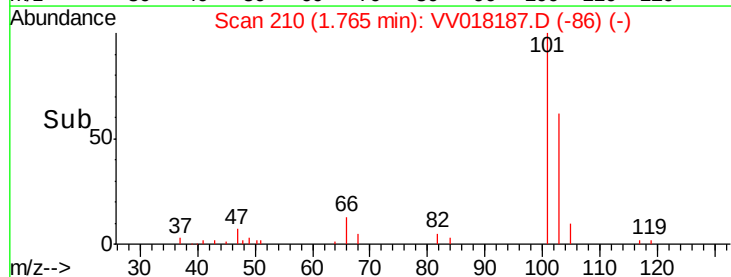
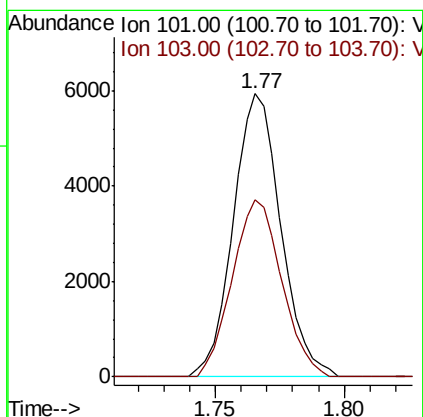
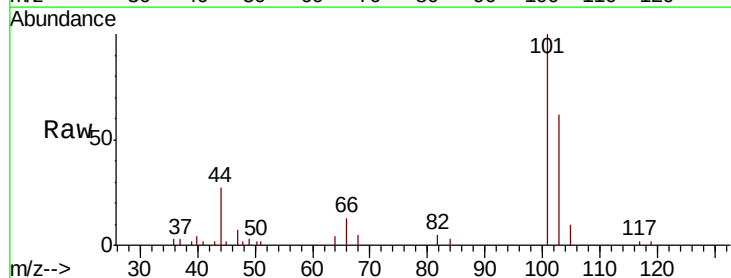
Instrument :
MSVOA_V
ClientSampled :
MDL05

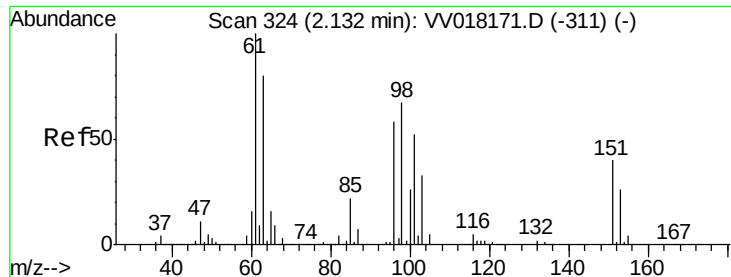
Tot Ion: 64 Resp: 3821
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 2.325 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 101 Resp: 7664
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6





#10

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

Concen: 2.920 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

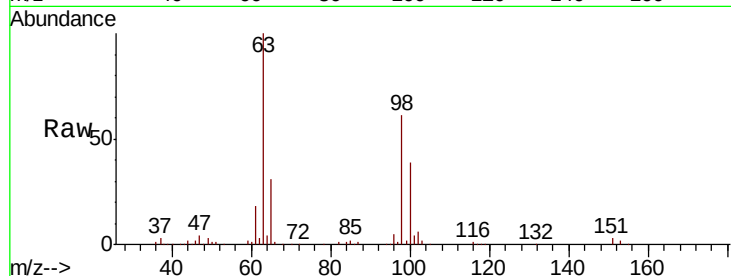
Tot Ion:101 Resp: 5781

Ion Ratio Lower Upper

101 100

85 34.3 33.5 50.3

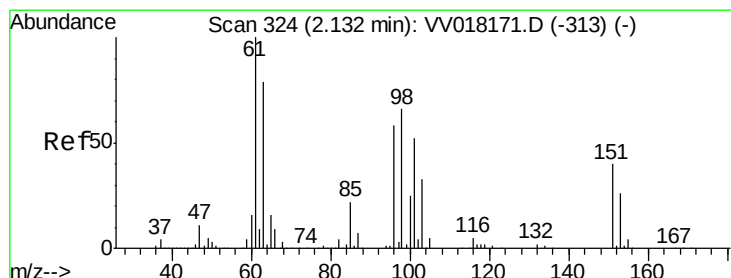
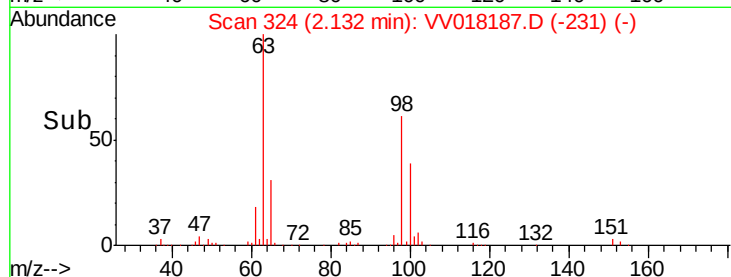
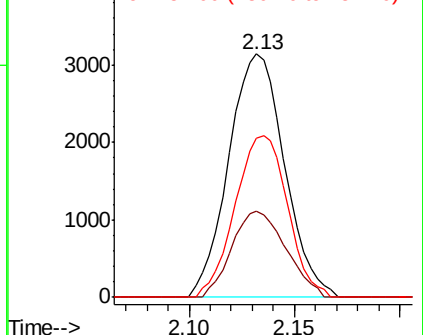
151 62.4 62.2 93.2



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: 2.854 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

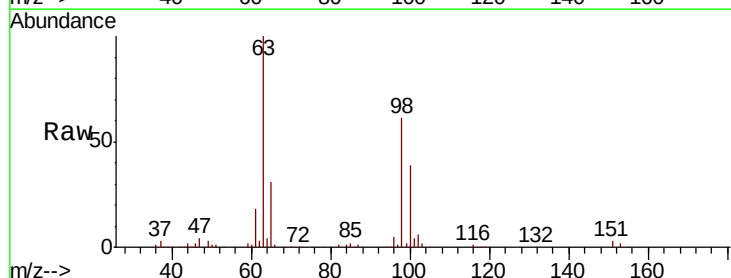
Tgt Ion: 96 Resp: 5498

Ion Ratio Lower Upper

96 100

61 353.2 122.9 228.3#

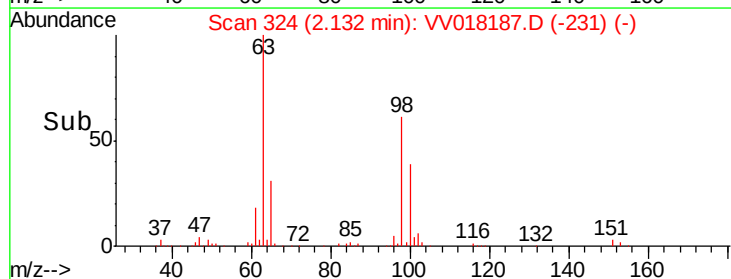
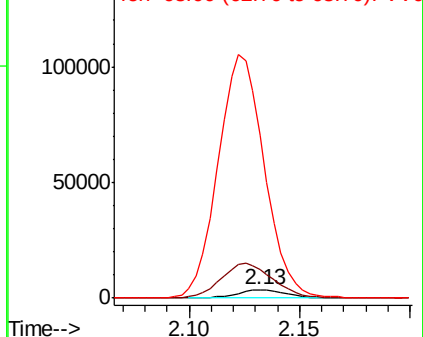
63 2000.8 91.9 170.7#

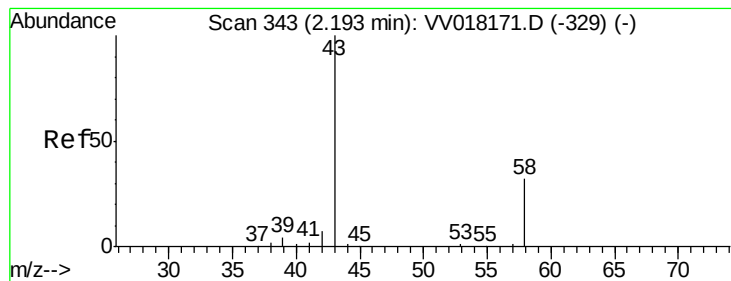


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.014 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

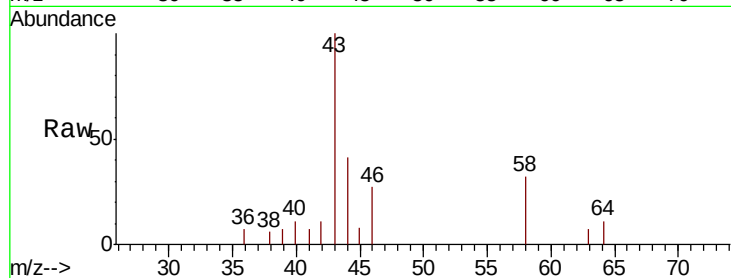
MDL05

Tot Ion: 43 Resp: 4705

Ion Ratio Lower Upper

43 100

58 35.3 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

2000

1500

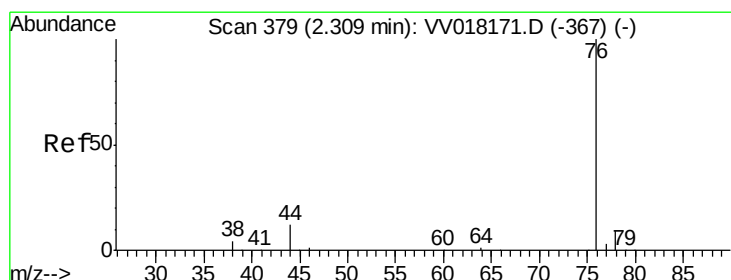
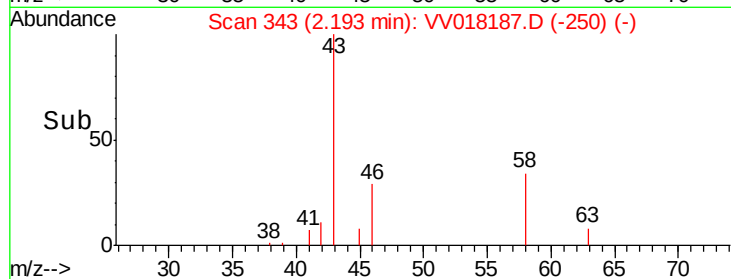
1000

500

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 2.282 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018187.D

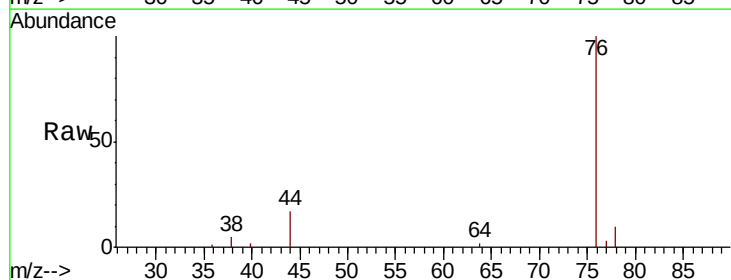
Acq: 10 Sep 2020 18:11

Tgt Ion: 76 Resp: 13455

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

10000

8000

6000

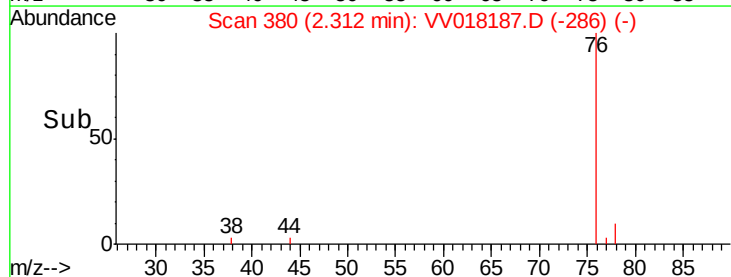
4000

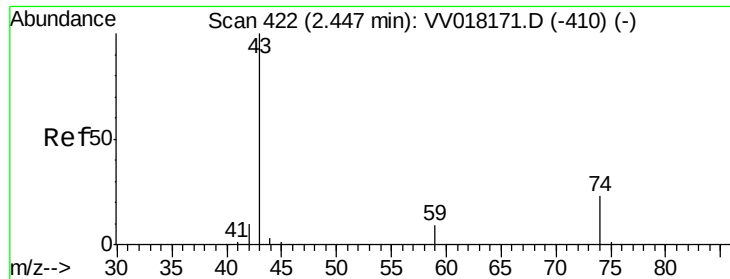
2000

0

Time-->

2.25 2.30 2.35

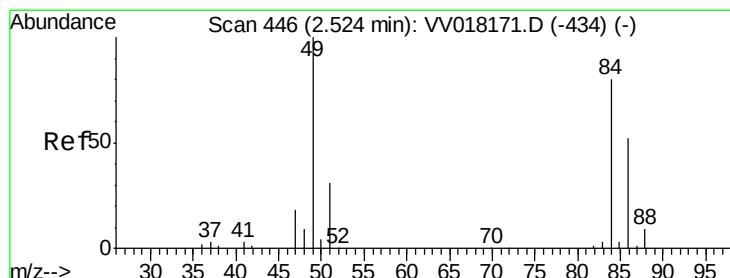
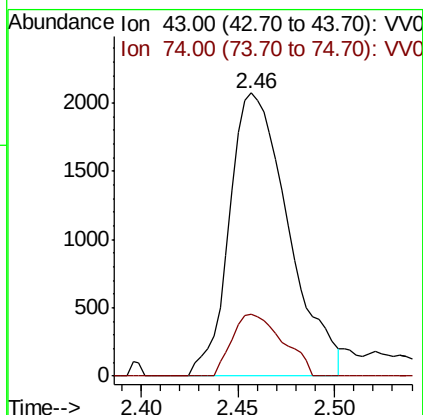
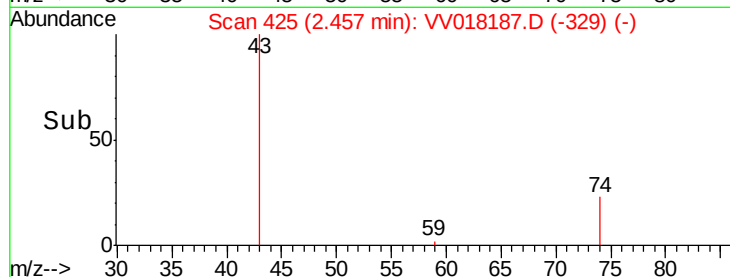
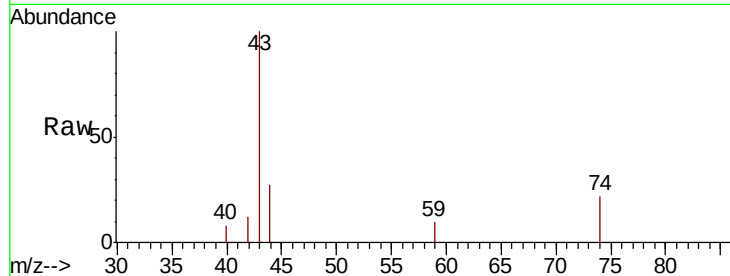




#15
Methyl Acetate
Concen: 2.089 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

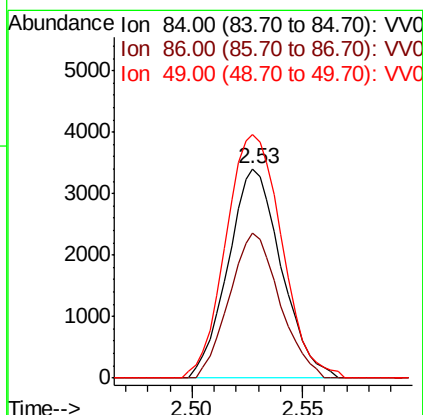
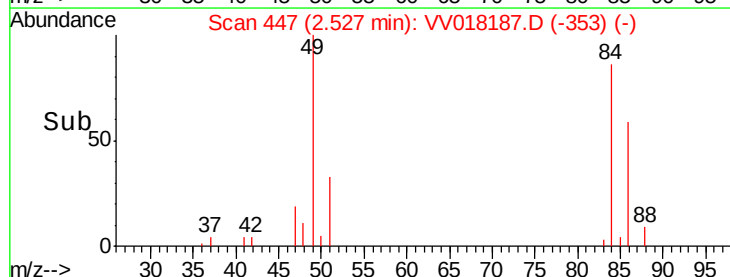
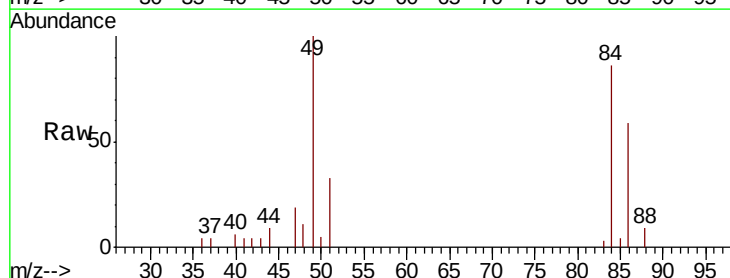
Instrument :
MSVOA_V
ClientSampleId :
MDL05

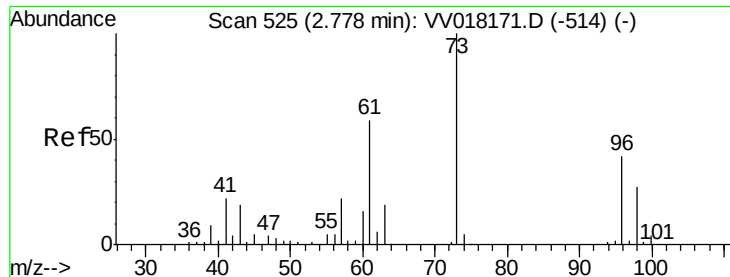
Tot Ion: 43 Resp: 4399
Ion Ratio Lower Upper
43 100
74 18.8 18.4 27.6



#16
Methylene chloride
Concen: 2.632 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 84 Resp: 5687
Ion Ratio Lower Upper
84 100
86 69.2 44.4 82.4
49 116.5 87.2 162.0

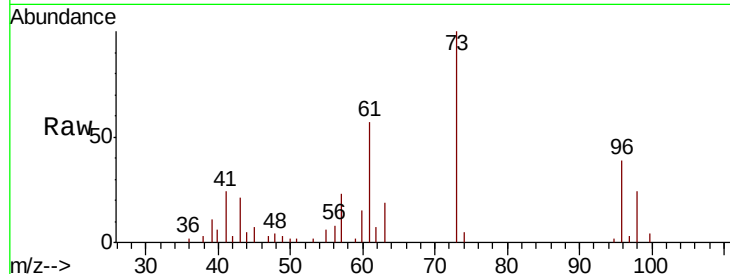




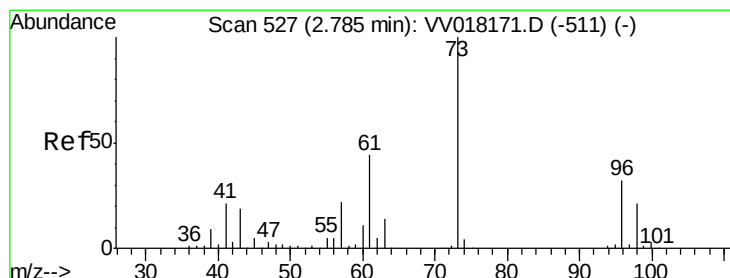
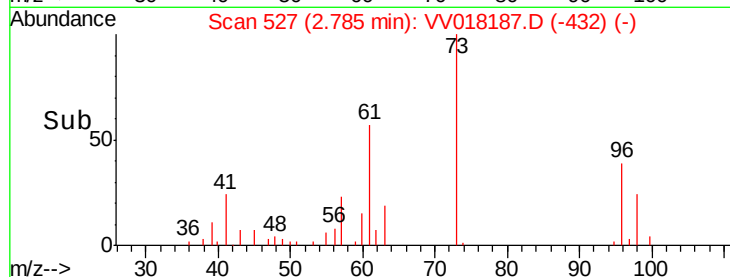
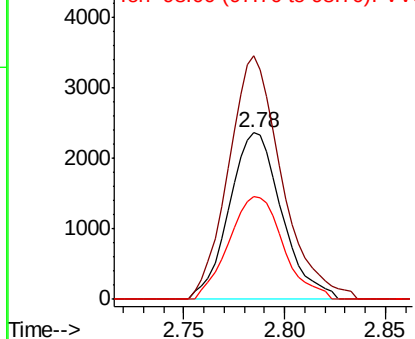
#17
trans-1,2-Dichloroethene
Concen: 2.171 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 96 Resp: 4310
Ion Ratio Lower Upper
96 100
61 146.3 100.7 186.9
98 61.7 45.2 84.0

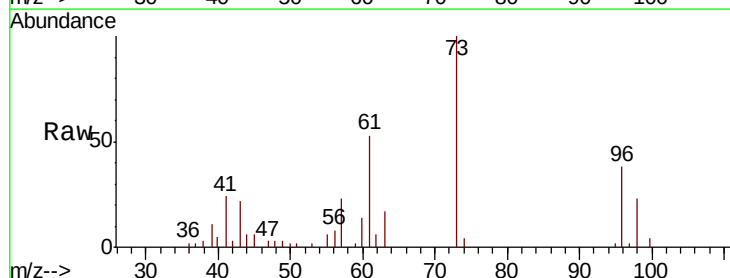


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

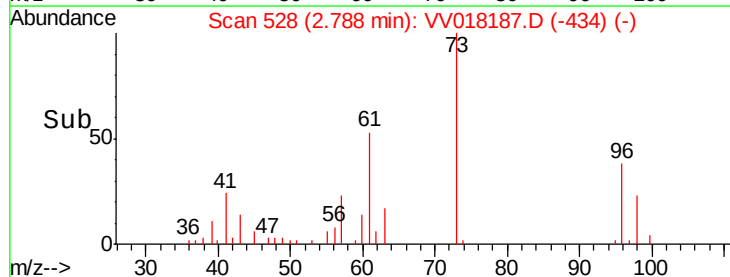
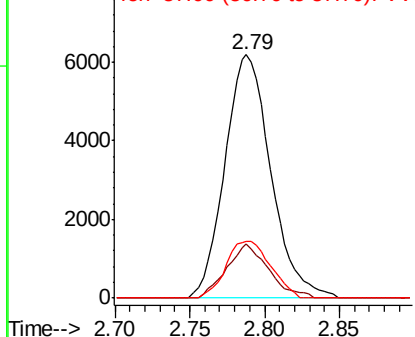


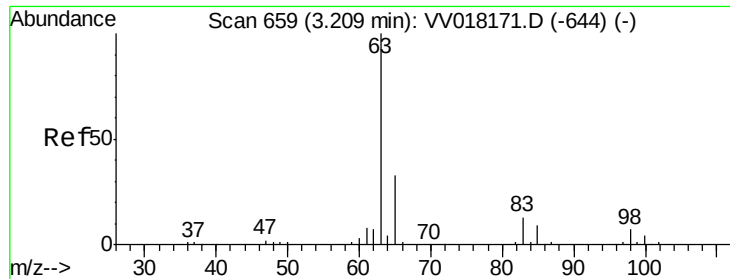
#18
Methyl tert-butyl Ether
Concen: 2.156 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 73 Resp: 13239
Ion Ratio Lower Upper
73 100
43 20.4 15.4 23.0
57 22.6 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

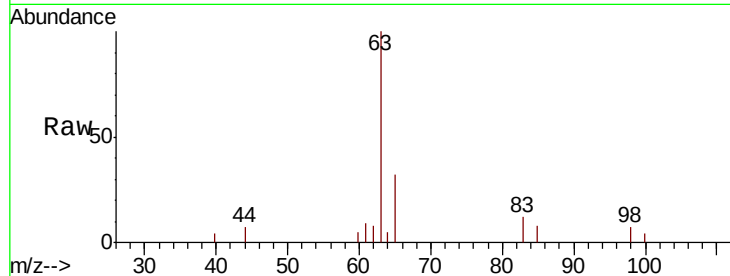




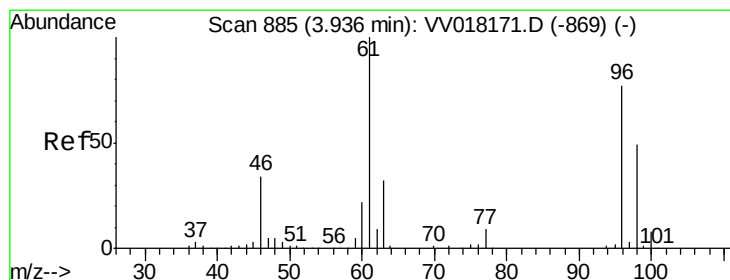
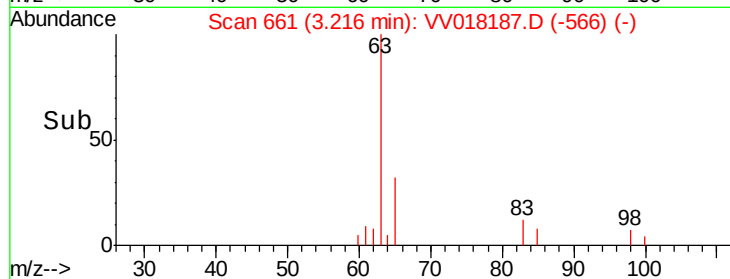
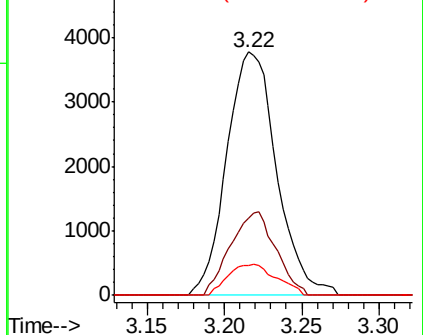
#19
 1,1-Dichloroethane
 Concen: 2.257 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL05

Tot Ion: 63 Resp: 8471
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 12.5 9.3 17.3

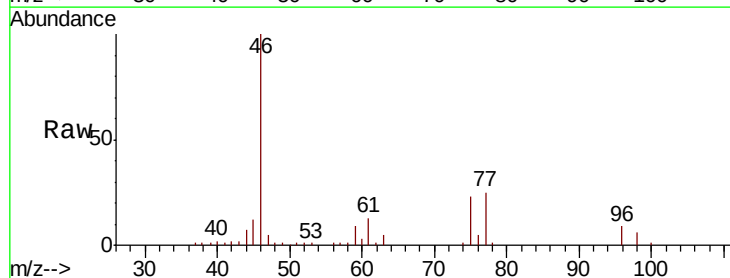


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

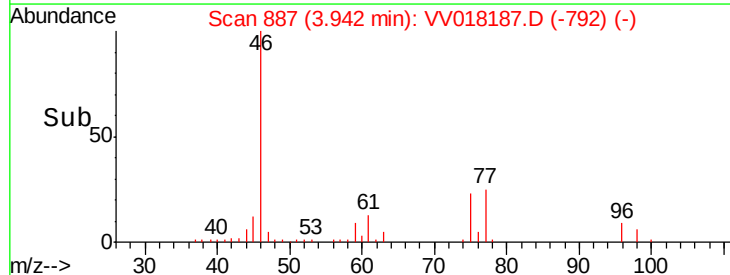
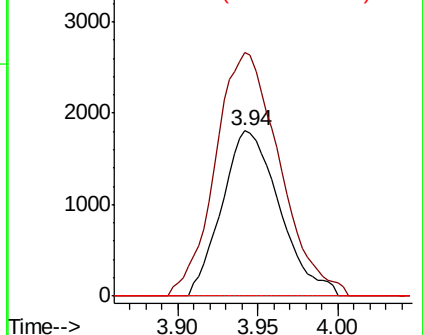


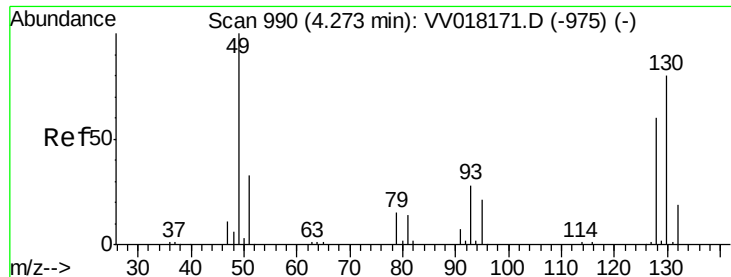
#20
 cis-1,2-Dichloroethene
 Concen: 2.108 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion: 96 Resp: 4475
 Ion Ratio Lower Upper
 96 100
 61 147.6 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





#23

Bromochloromethane

Concen: 2.106 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:128 Resp: 2339

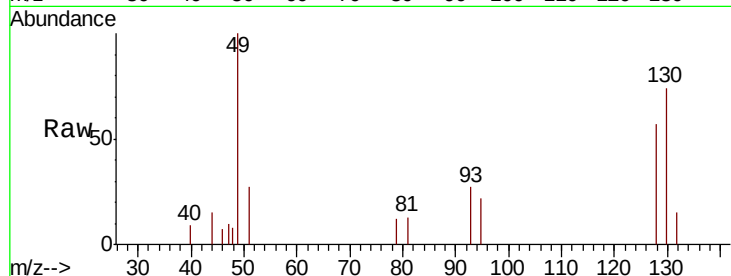
Ion Ratio Lower Upper

128 100

49 174.9 114.4 212.6

130 128.9 87.9 163.3

51 47.5 41.8 62.8

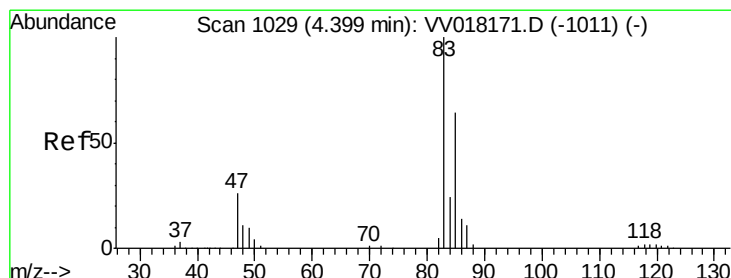
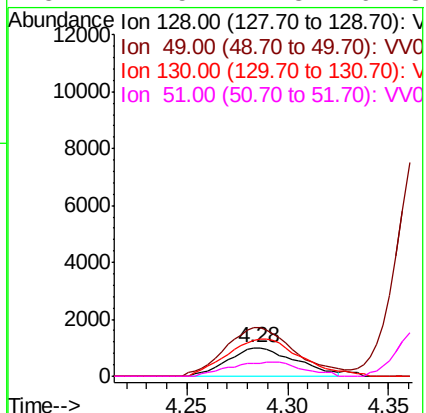
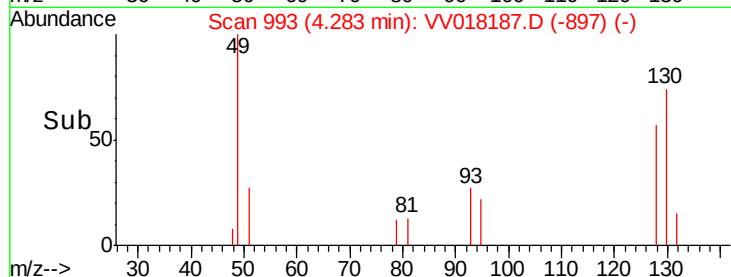


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 4.244 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018187.D

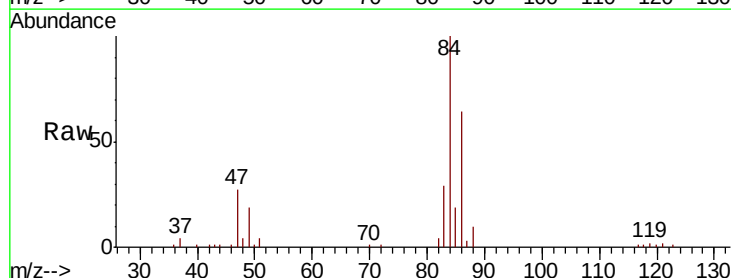
Acq: 10 Sep 2020 18:11

Tgt Ion: 83 Resp: 16195

Ion Ratio Lower Upper

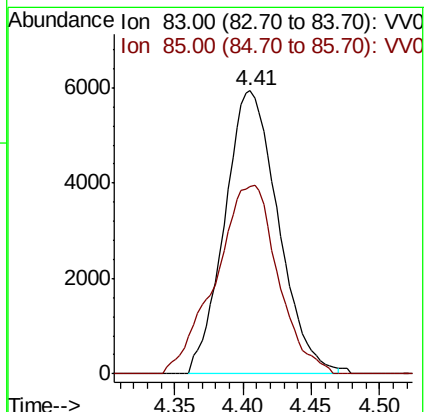
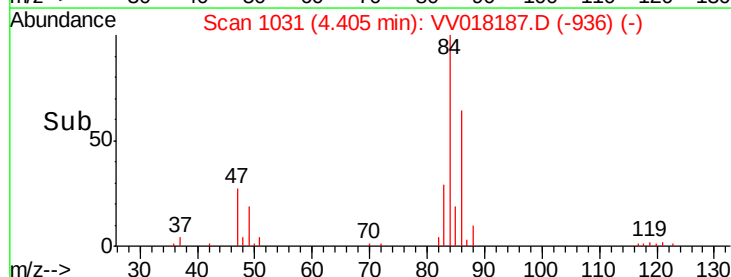
83 100

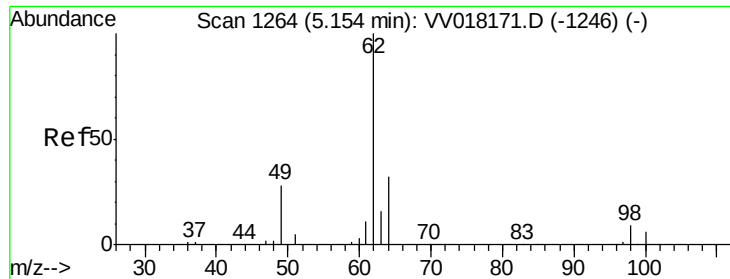
85 66.2 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

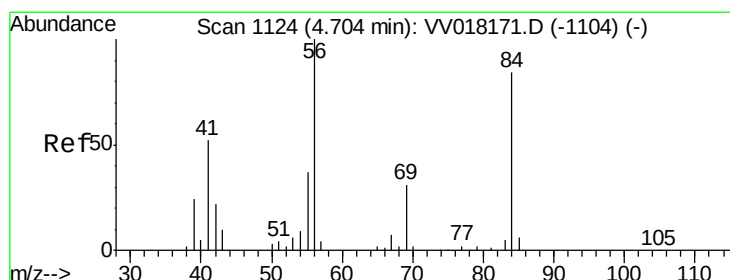
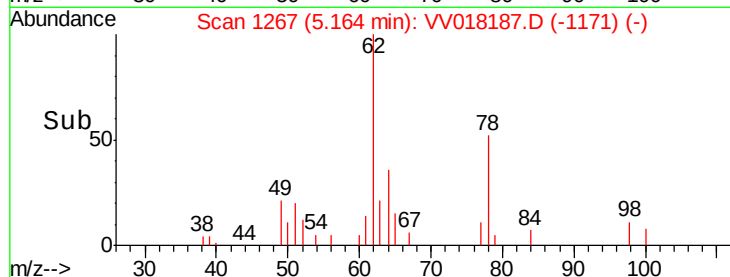
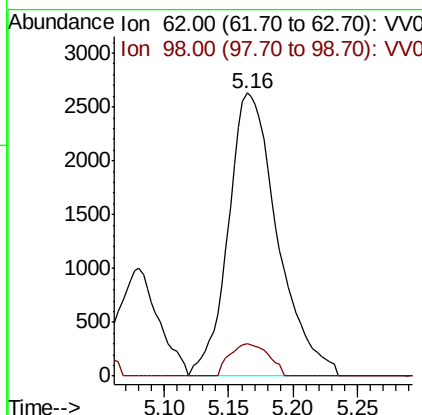
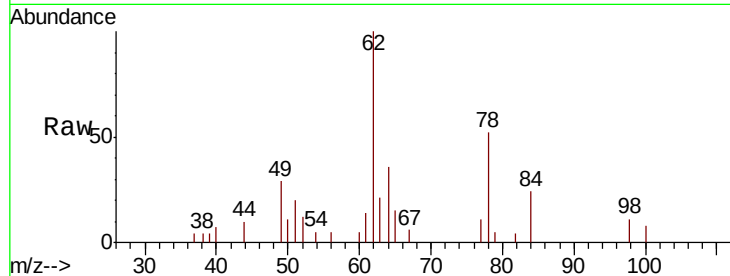




#27
 1,2-Dichloroethane
 Concen: 2.363 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

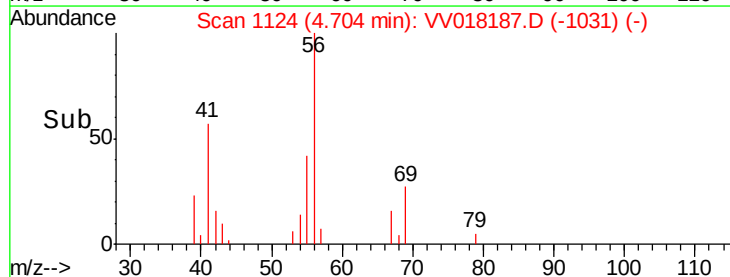
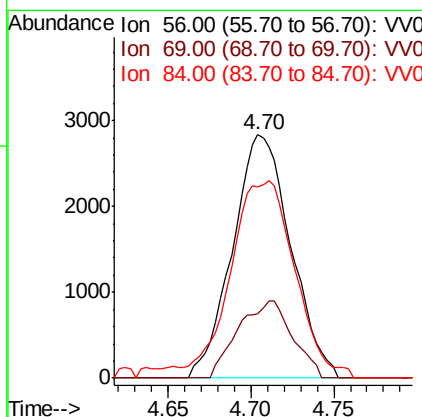
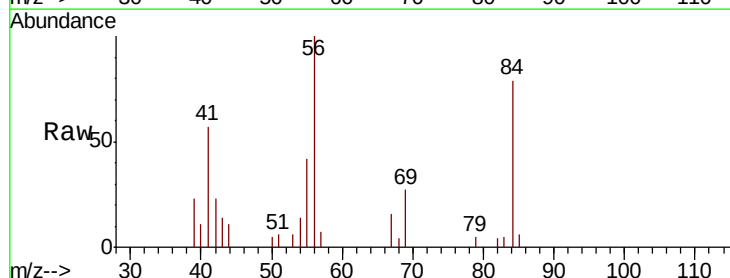
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

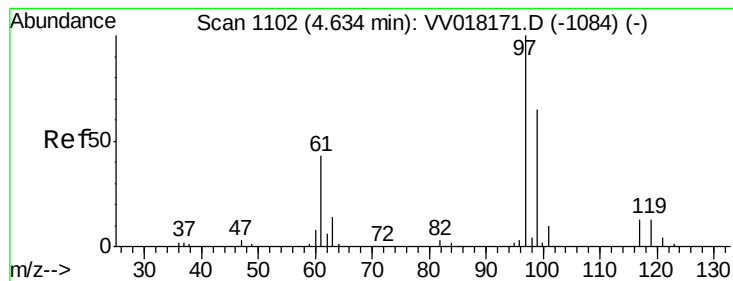
Tot Ion: 62 Resp: 6979
 Ion Ratio Lower Upper
 62 100
 98 11.5 7.6 11.4#



#29
 Cyclohexane
 Concen: 2.066 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion: 56 Resp: 6917
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.2 36.2
 84 37.2 68.3 102.5#





#30

1,1,1-Trichloroethane

Concen: 2.145 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

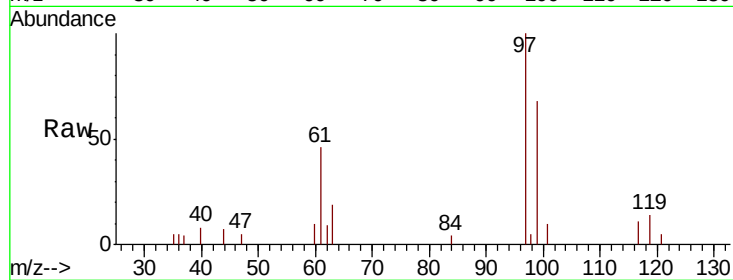
Tot Ion: 97 Resp: 7215

Ion Ratio Lower Upper

97 100

99 66.4 51.6 77.4

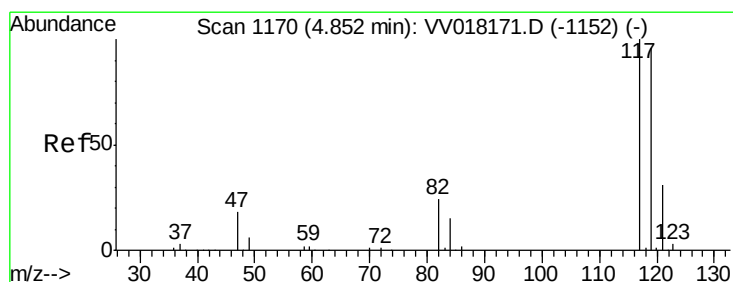
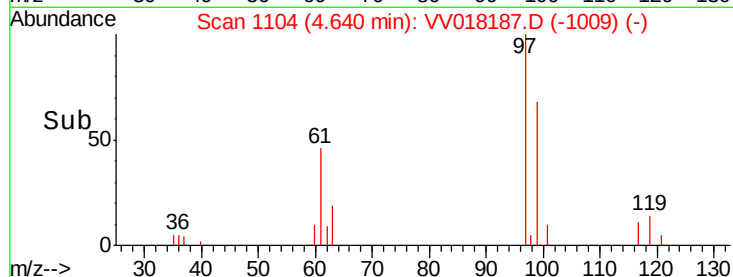
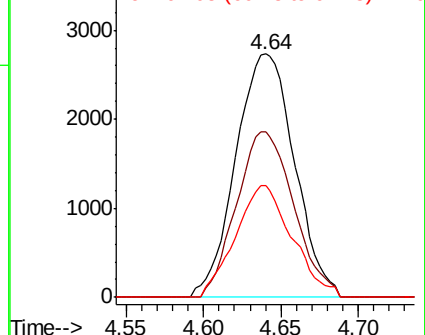
61 44.4 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VV018187.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018187.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018187.D (-1084) (-)



#31

Carbon tetrachloride

Concen: 2.117 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018187.D

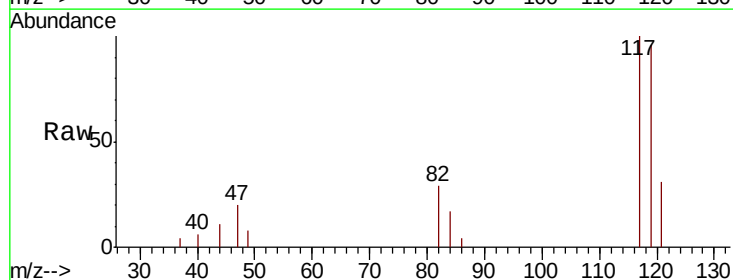
Acq: 10 Sep 2020 18:11

Tgt Ion: 117 Resp: 6262

Ion Ratio Lower Upper

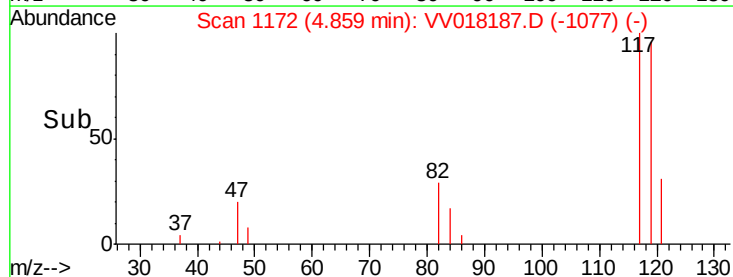
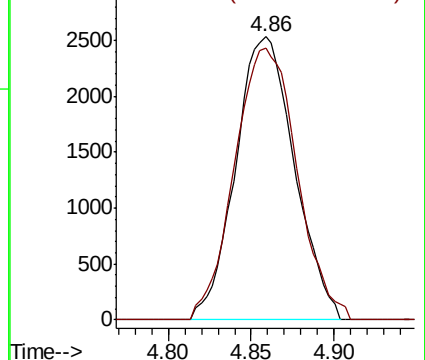
117 100

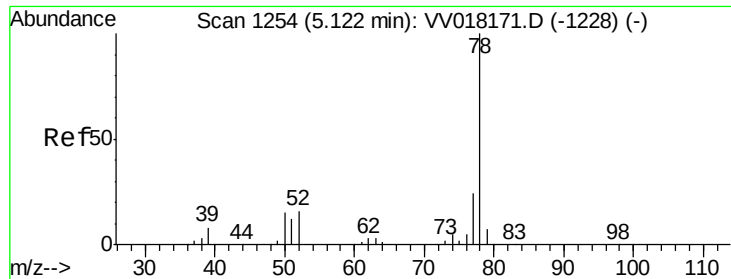
119 101.9 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): VV018187.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV018187.D (-1077) (-)

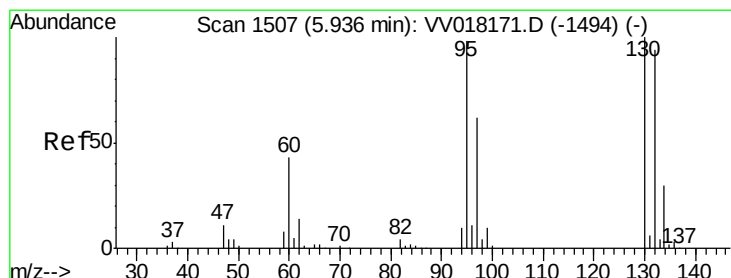
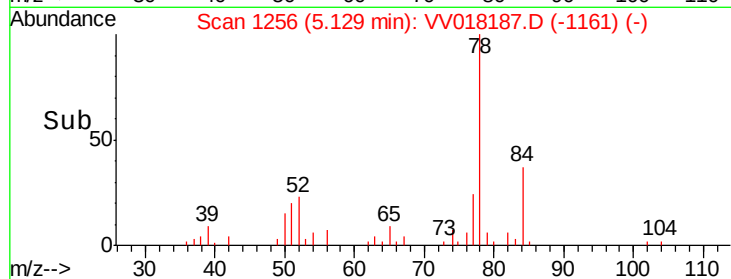
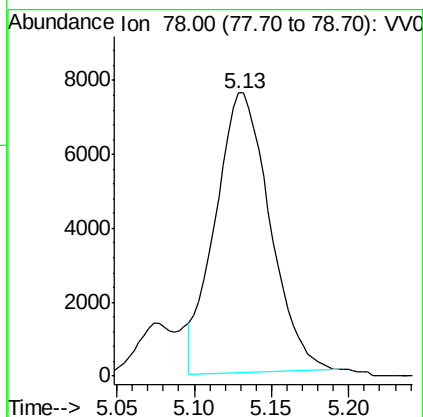
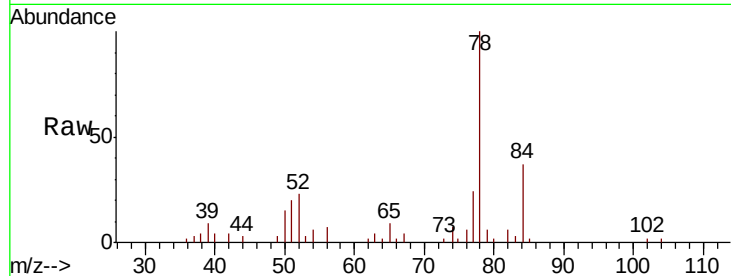




#33
Benzene
Concen: 2.235 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

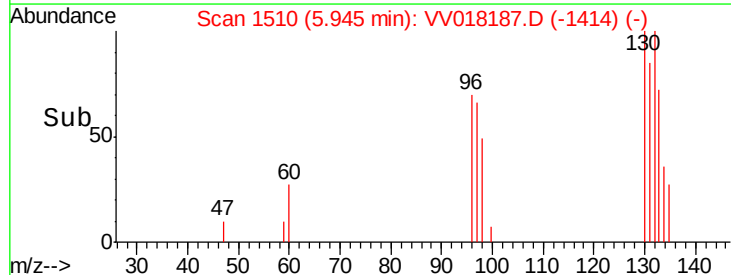
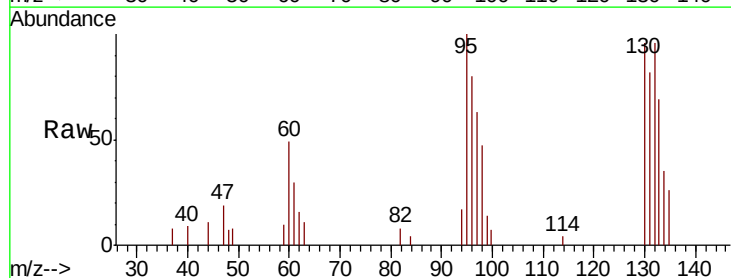
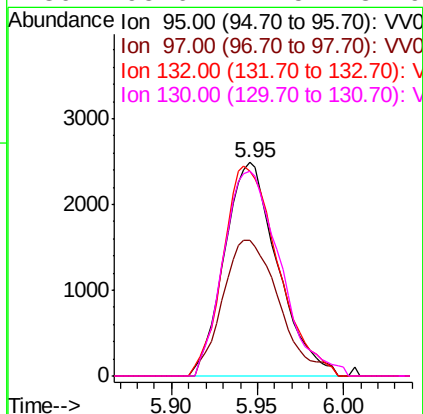
Instrument :
MSVOA_V
ClientSampleId :
MDL05

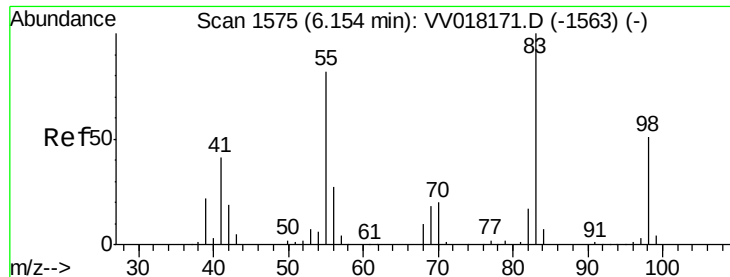
Tgt Ion: 78 Resp: 18526



#34
Trichloroethene
Concen: 2.381 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 95 Resp: 5375
Ion Ratio Lower Upper
95 100
97 63.3 46.3 85.9
132 95.9 68.1 126.5
130 95.6 71.5 132.9

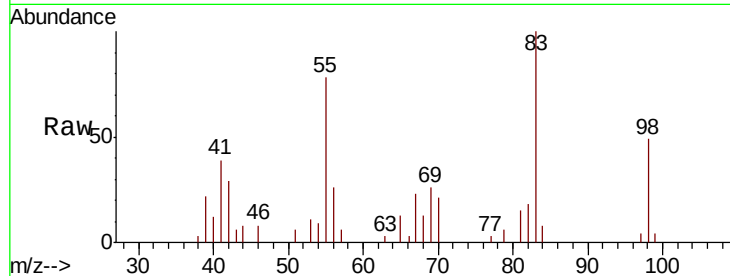




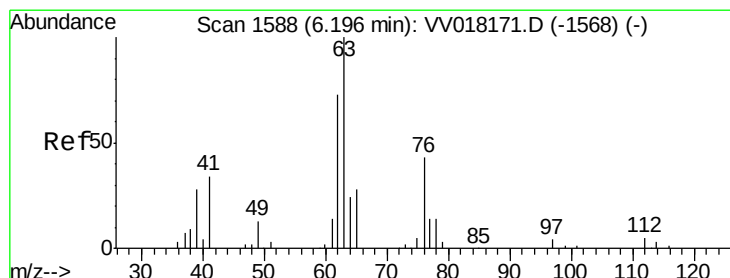
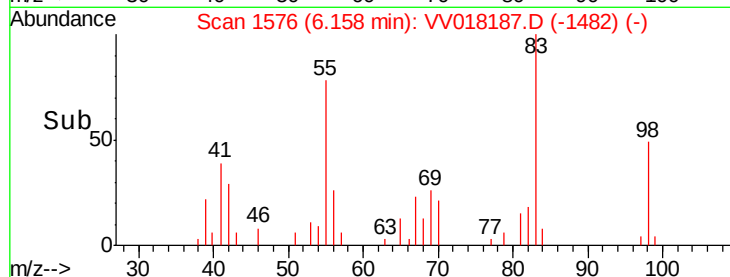
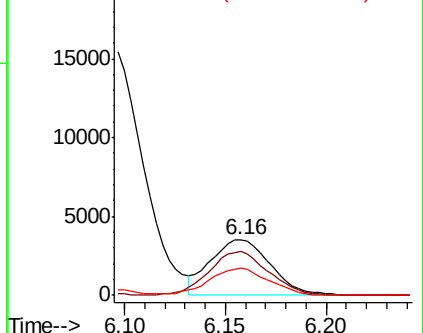
#35
Methylvlcyclohexane
Concen: 2.152 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 83 Resp: 7316
Ion Ratio Lower Upper
83 100
55 78.0 63.4 95.2
98 48.4 38.8 58.2

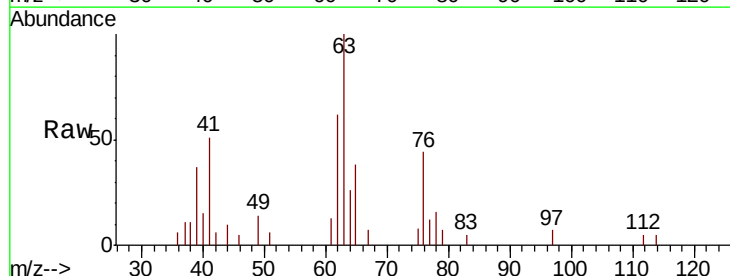


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

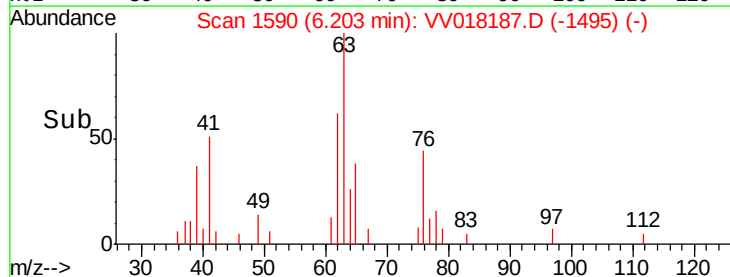
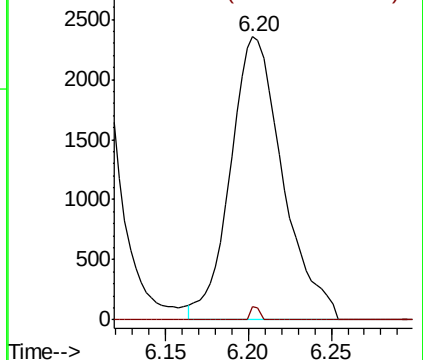


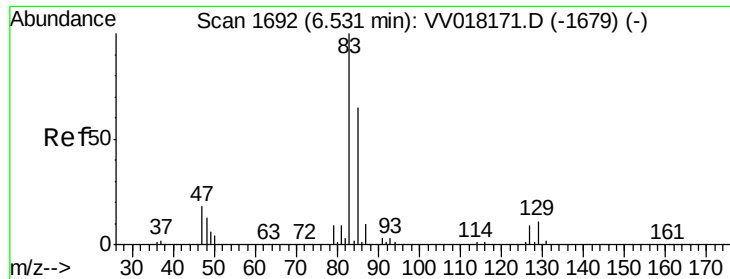
#37
1,2-Dichloropropane
Concen: 2.354 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 63 Resp: 5170
Ion Ratio Lower Upper
63 100
112 0.8 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 2.100 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

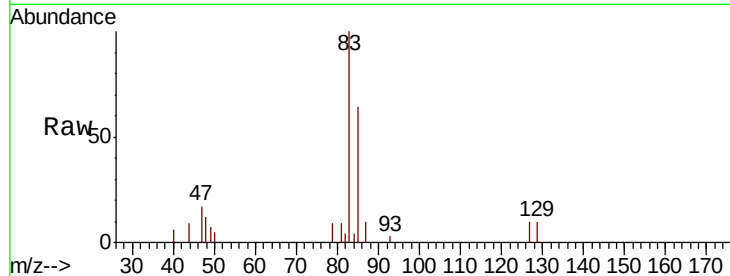
Tot Ion: 83 Resp: 6001

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

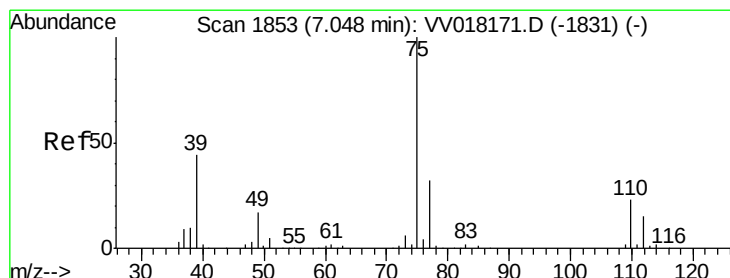
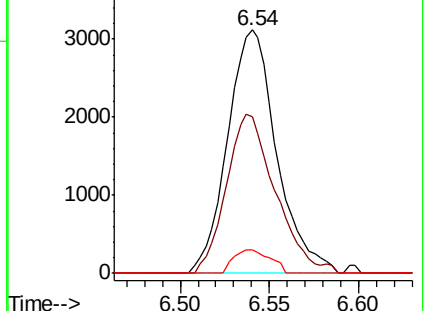
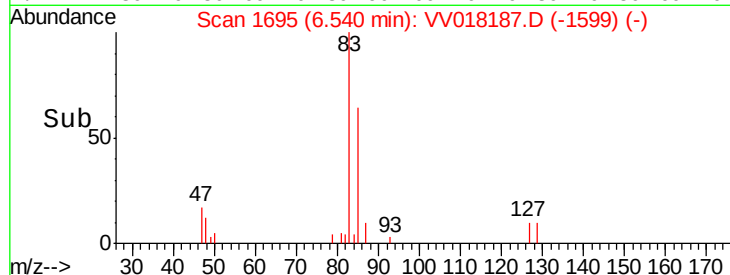
127 9.5 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV018187.D (-1699) (-)

Ion 85.00 (84.70 to 85.70): VV018187.D (-1699) (-)

Ion 127.00 (126.70 to 127.70): VV018187.D (-1699) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.802 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV018187.D

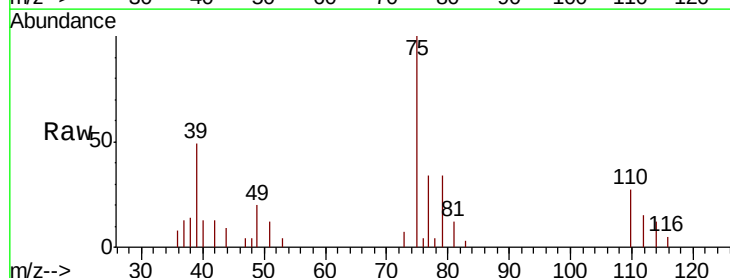
Acq: 10 Sep 2020 18:11

Tgt Ion: 75 Resp: 6096

Ion Ratio Lower Upper

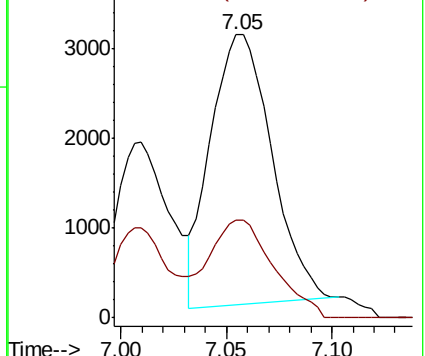
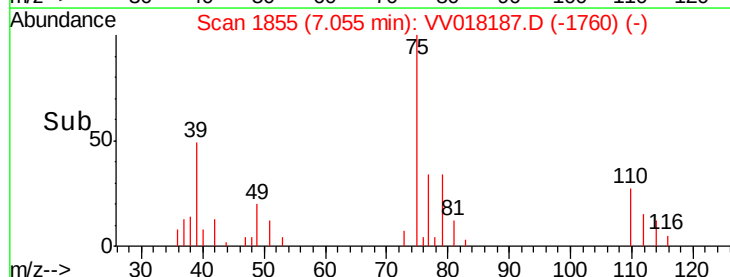
75 100

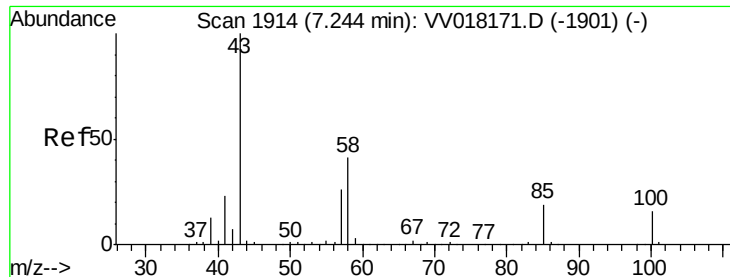
77 34.5 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV018187.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV018187.D (-1760) (-)

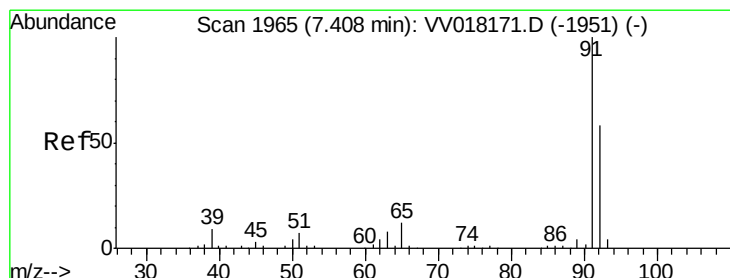
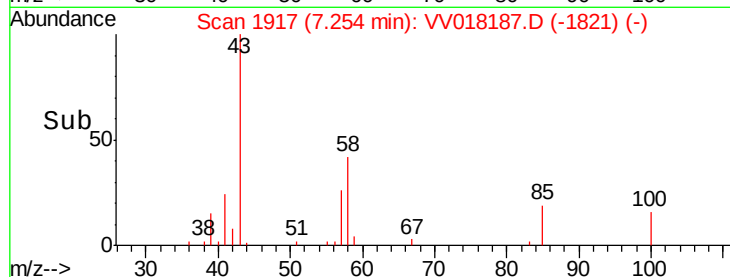
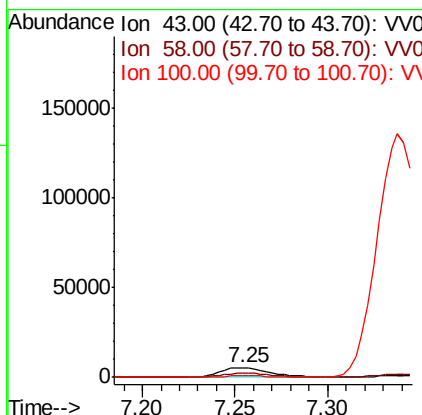
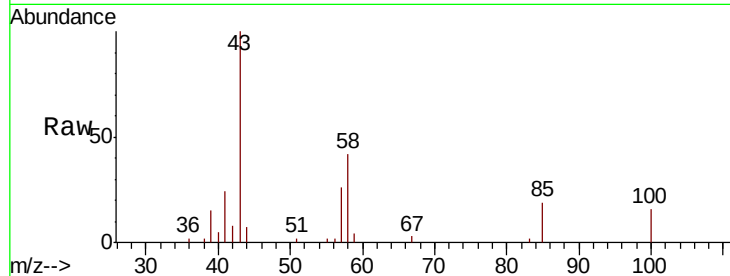




#40
4-Methyl-2-pentanone
Concen: 3.978 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

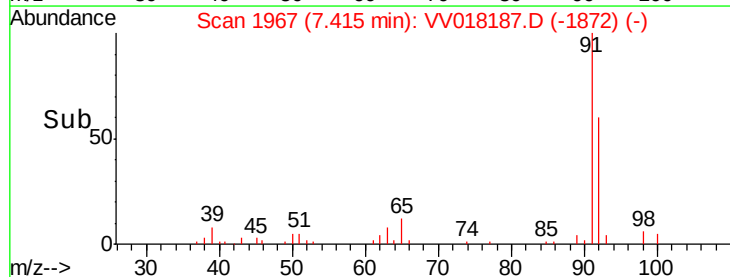
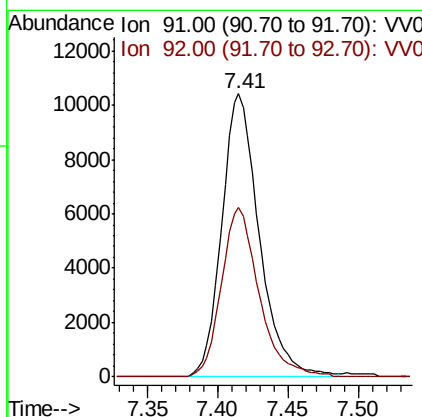
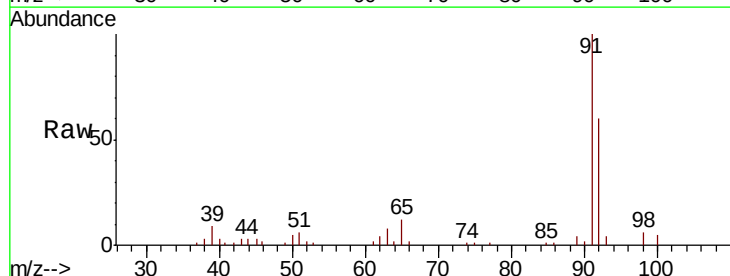
Instrument :
MSVOA_V
ClientSampleId :
MDL05

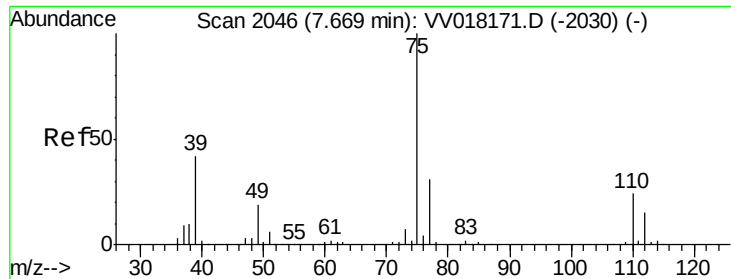
Tot Ion: 43 Resp: 10599
Ion Ratio Lower Upper
43 100
58 41.5 32.4 48.6
100 13.9 12.7 19.1



#42
Toluene
Concen: 2.203 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 91 Resp: 19319
Ion Ratio Lower Upper
91 100
92 59.8 40.7 75.5

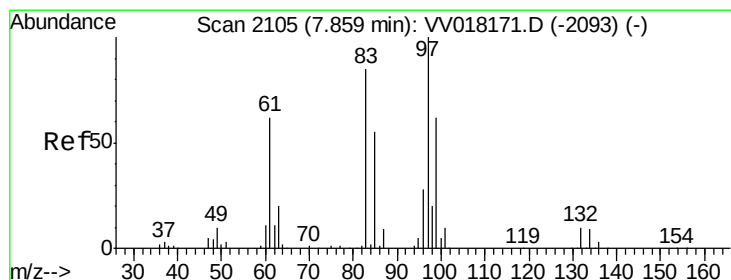
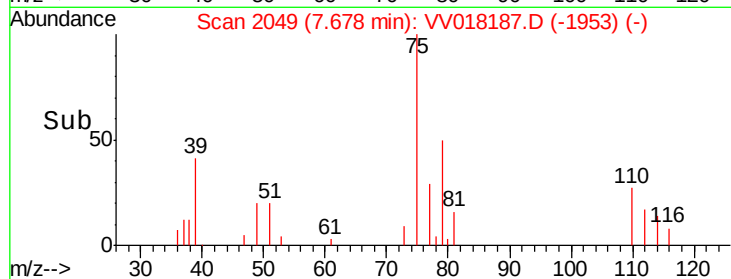
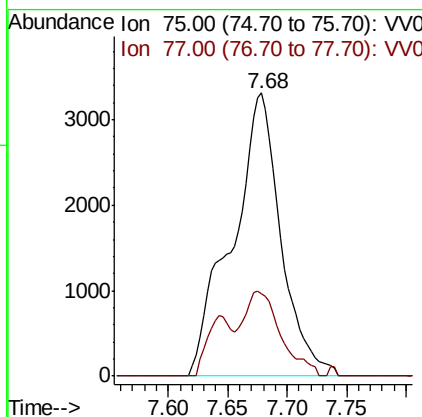
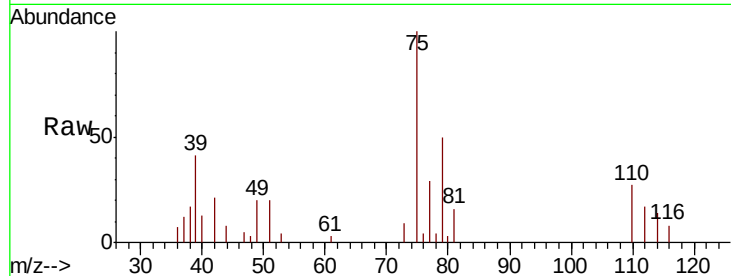




#44
trans-1,3-Dichloropropene
Concen: 2.857 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

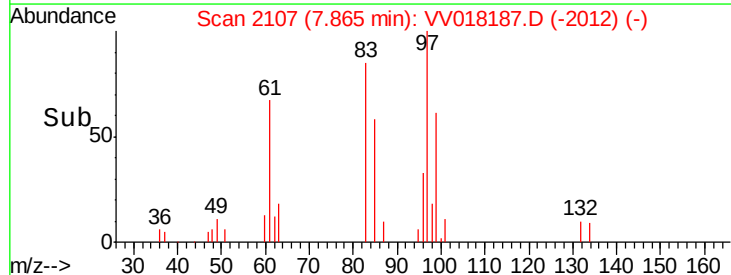
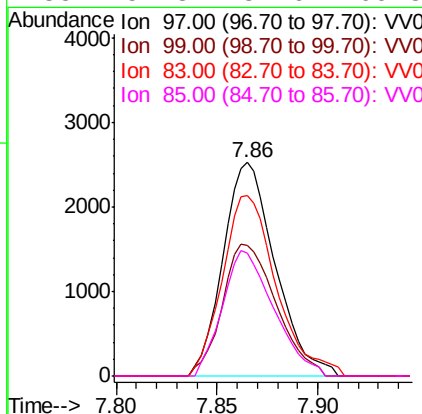
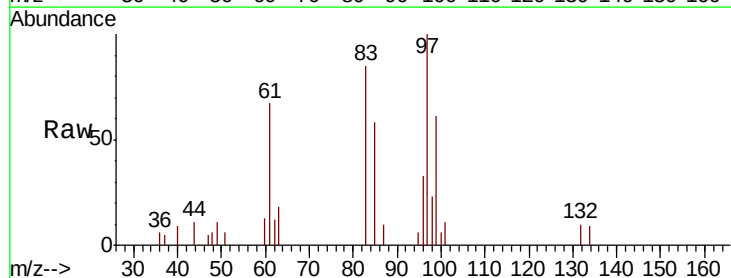
Instrument :
MSVOA_V
ClientSampleId :
MDL05

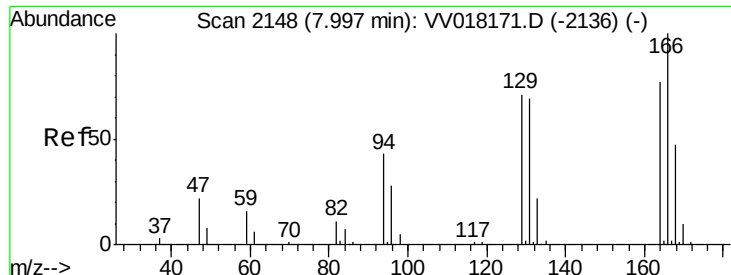
Tot Ion: 75 Resp: 9413
Ion Ratio Lower Upper
75 100
77 29.2 22.3 41.5



#45
1,1,2-Trichloroethane
Concen: 2.240 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 97 Resp: 4559
Ion Ratio Lower Upper
97 100
99 61.4 43.7 81.1
83 84.6 59.9 111.3
85 57.8 37.6 69.8

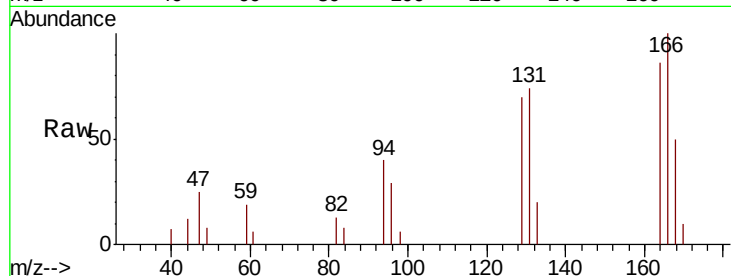




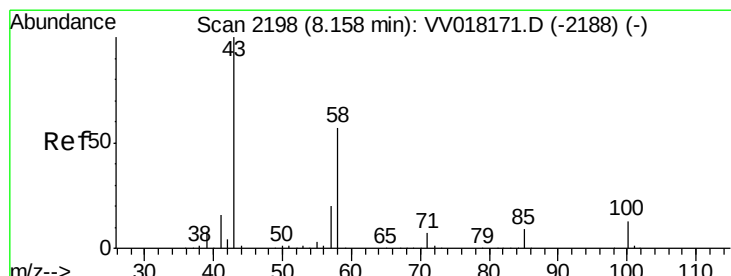
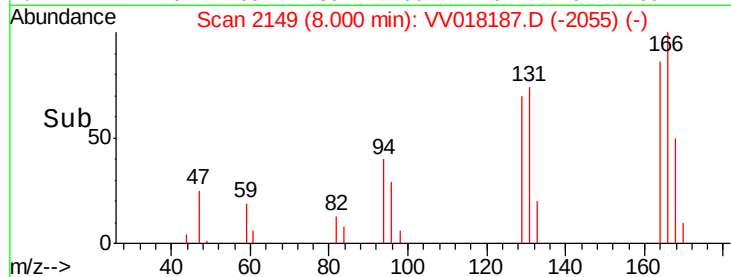
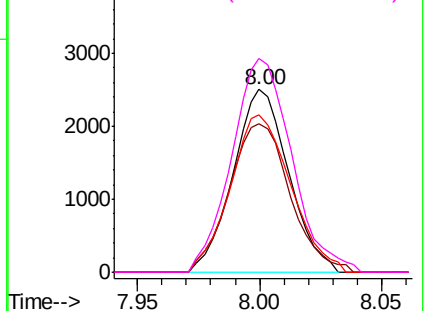
#46
Tetrachloroethene
Concen: 2.232 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:164 Resp: 3951
Ion Ratio Lower Upper
164 100
129 81.6 64.5 119.7
131 86.2 61.8 114.8
166 116.9 90.6 168.2

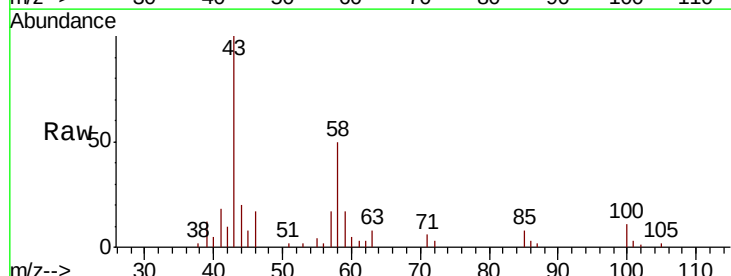


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

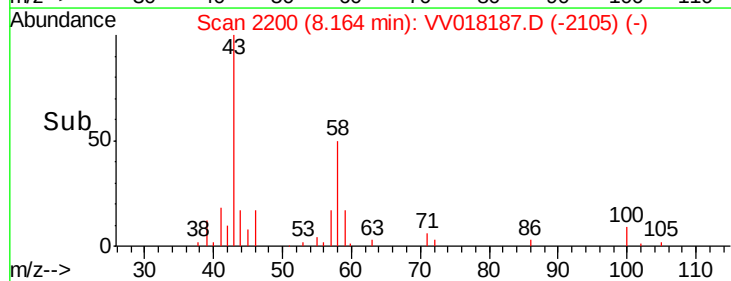
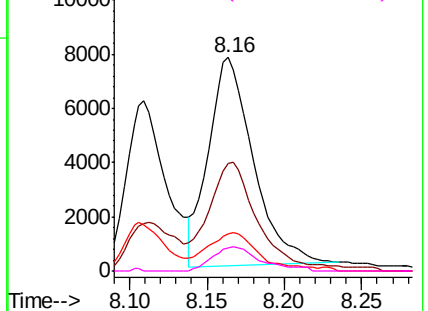


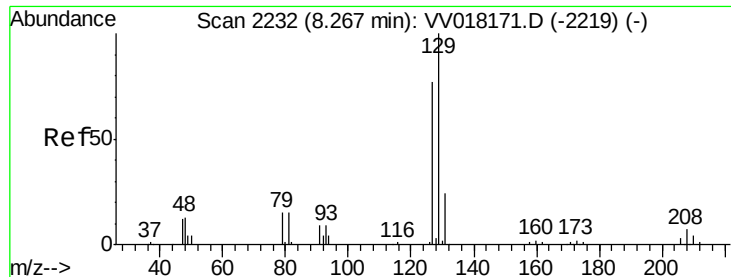
#48
2-Hexanone
Concen: 7.432 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 43 Resp: 15611
Ion Ratio Lower Upper
43 100
58 53.7 44.8 67.2
57 20.9 15.8 23.6
100 12.2 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.081 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

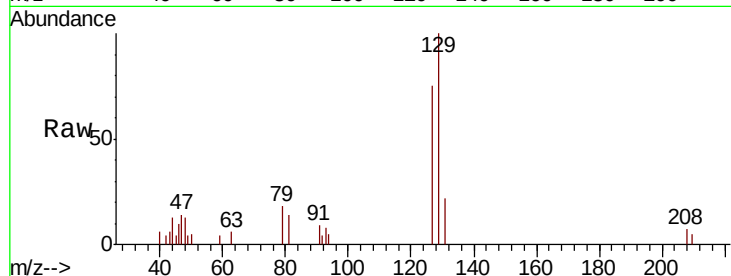
MDL05

Tot Ion:129 Resp: 4754

Ion Ratio Lower Upper

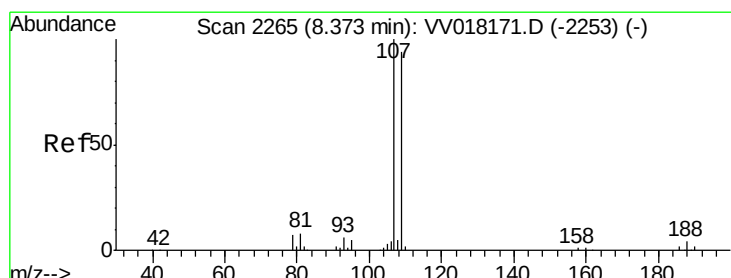
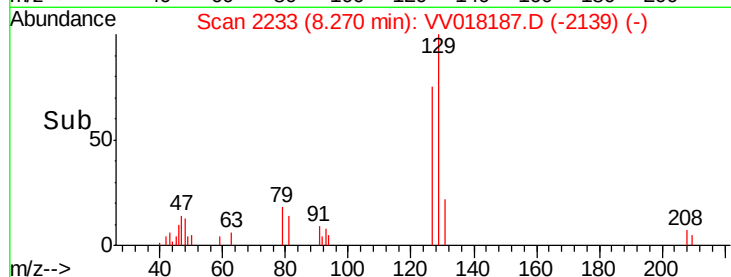
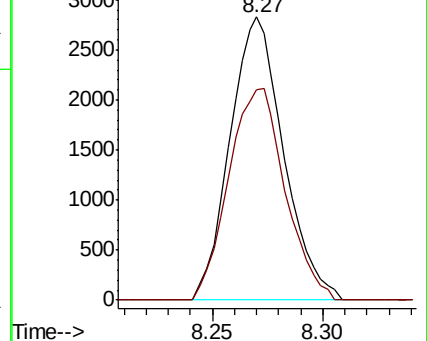
129 100

127 74.5 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.190 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

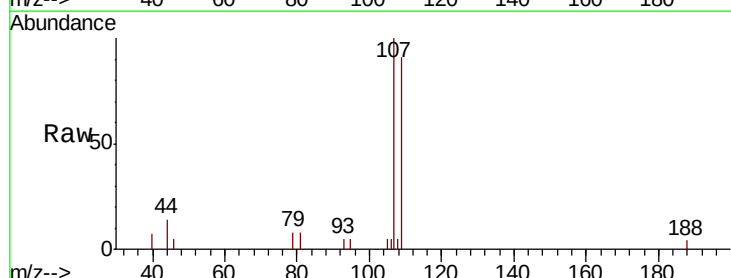
Tgt Ion:107 Resp: 4692

Ion Ratio Lower Upper

107 100

109 90.7 66.1 122.8

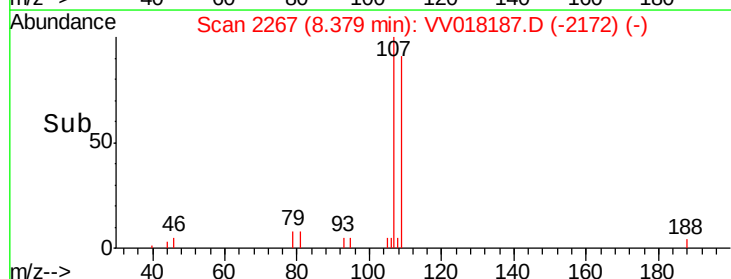
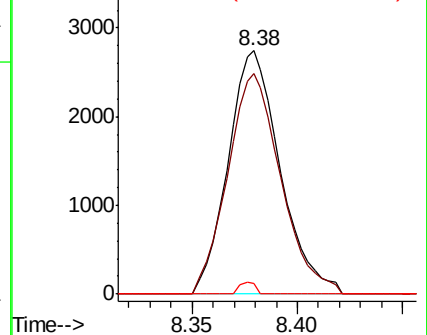
188 4.4 3.2 4.8

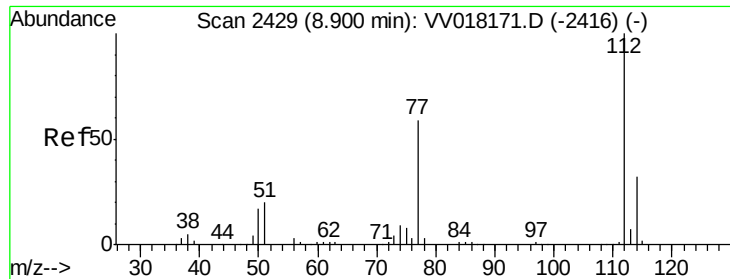


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.297 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

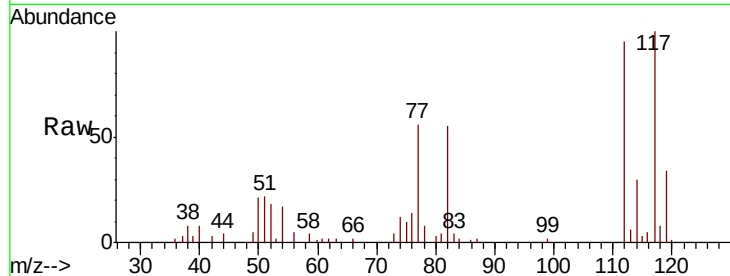
Tot Ion:112 Resp: 13084

Ion Ratio Lower Upper

112 100

114 32.0 22.6 42.0

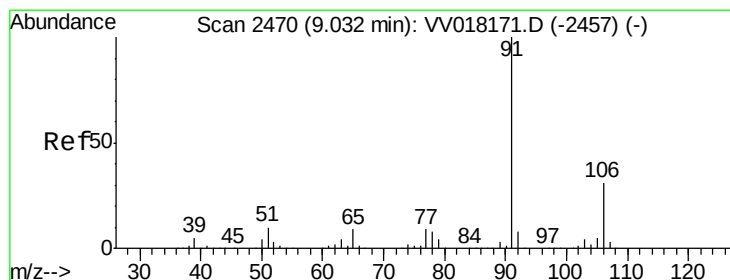
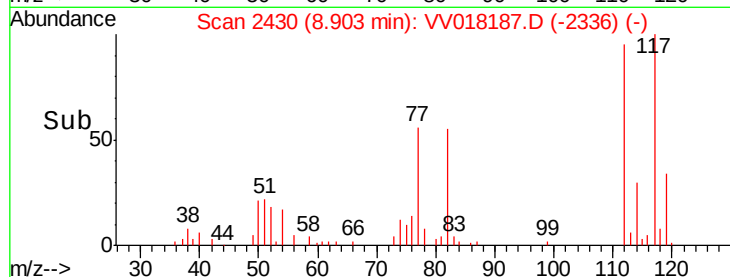
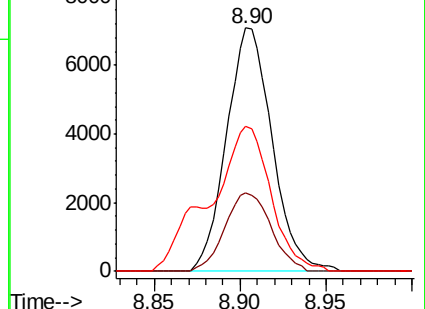
77 59.6 48.0 72.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.112 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018187.D

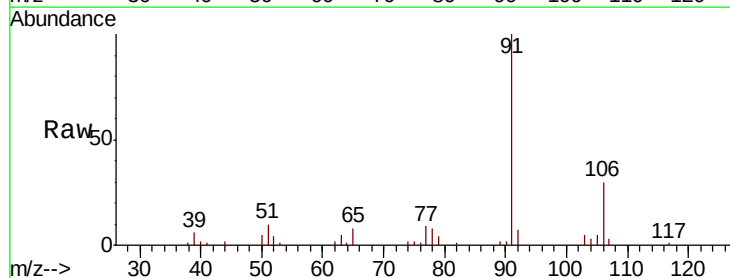
Acq: 10 Sep 2020 18:11

Tgt Ion: 91 Resp: 20225

Ion Ratio Lower Upper

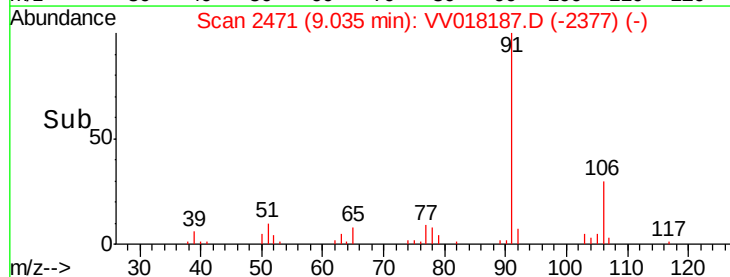
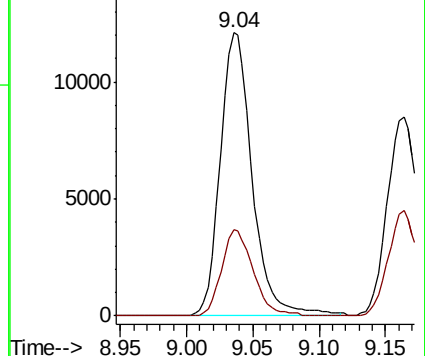
91 100

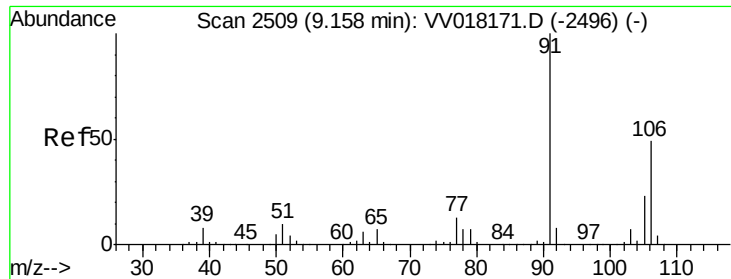
106 30.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

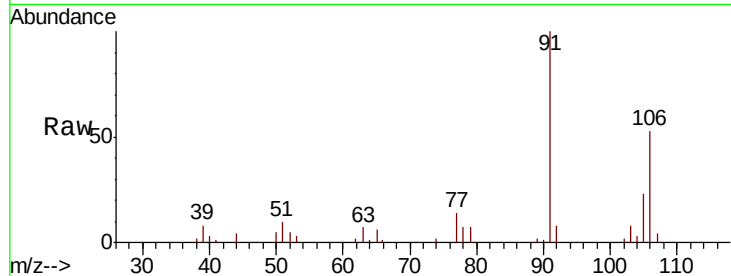




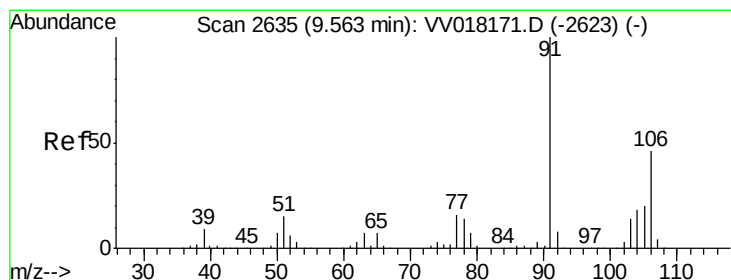
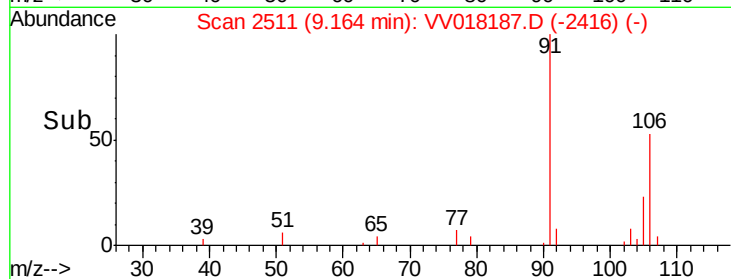
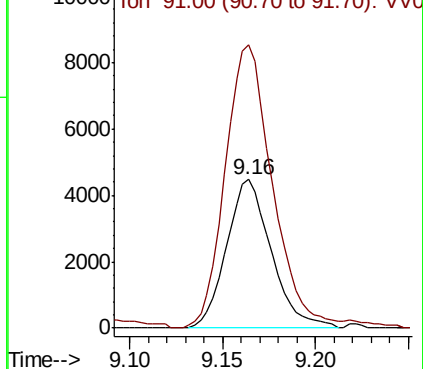
#53
m,p-Xylene
Concen: 2.098 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:106 Resp: 7499
Ion Ratio Lower Upper
106 100
91 190.3 146.7 272.5

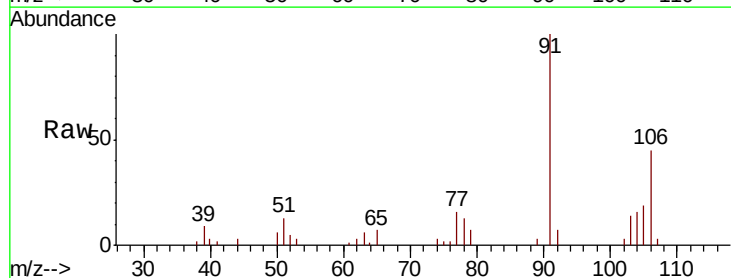


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

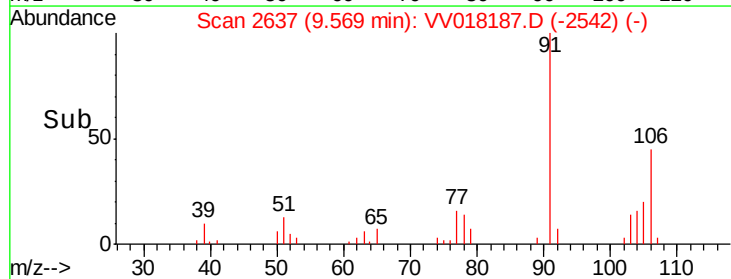
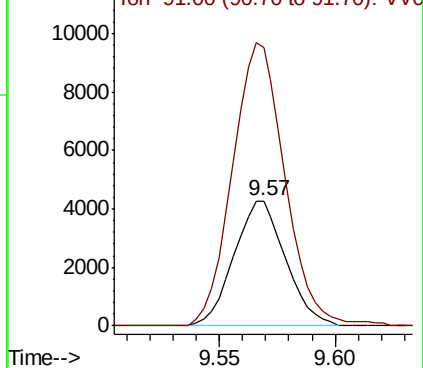


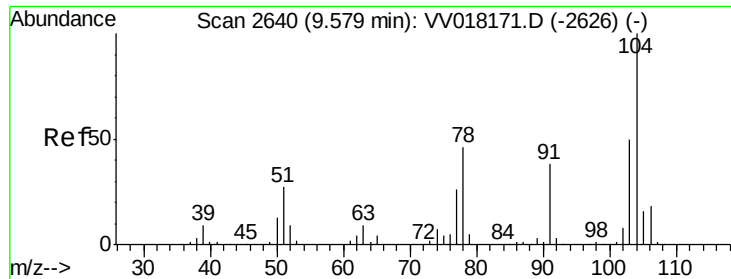
#54
o-xylene
Concen: 1.916 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion:106 Resp: 6599
Ion Ratio Lower Upper
106 100
91 222.4 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.834 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

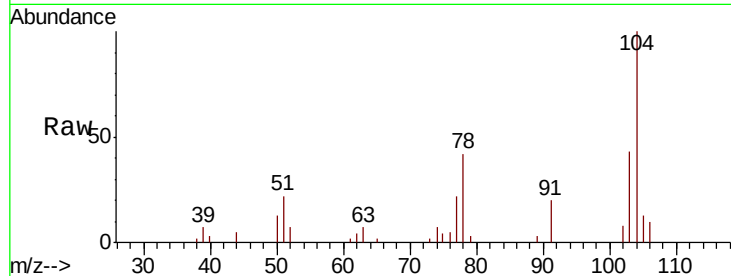
Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:104 Resp: 10974

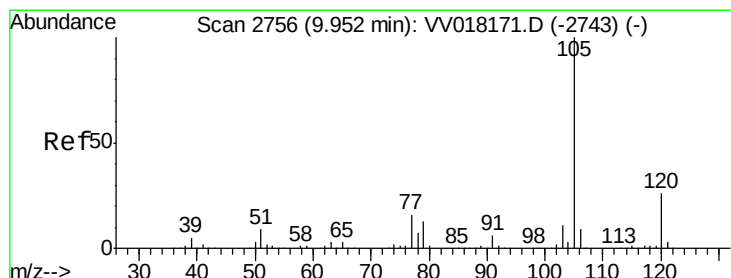
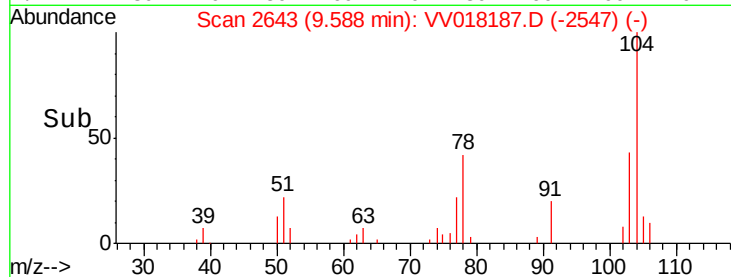
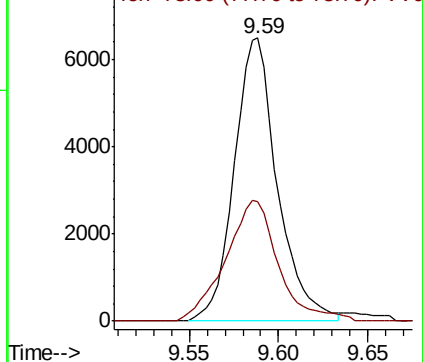
Ion Ratio Lower Upper

104 100

78 42.3 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 1.858 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

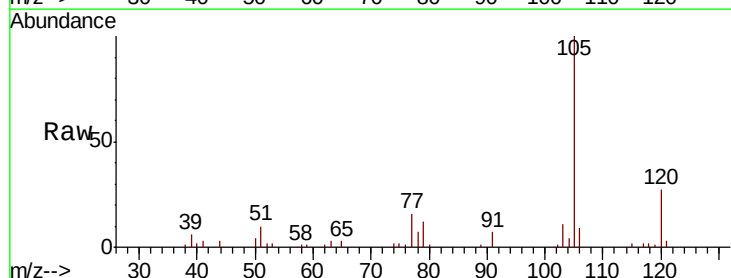
Tgt Ion:105 Resp: 17239

Ion Ratio Lower Upper

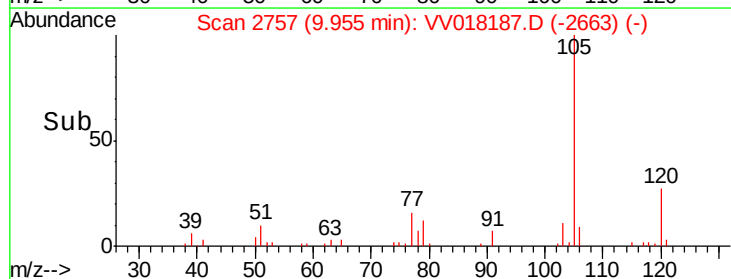
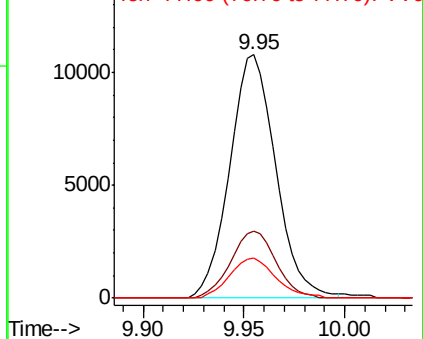
105 100

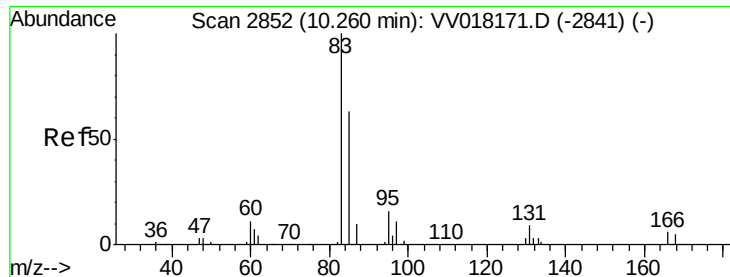
120 26.9 20.9 31.3

77 16.4 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): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.457 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

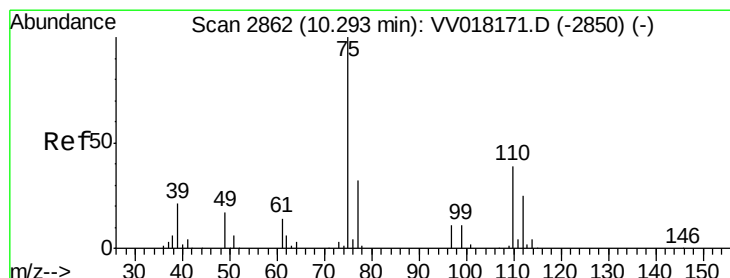
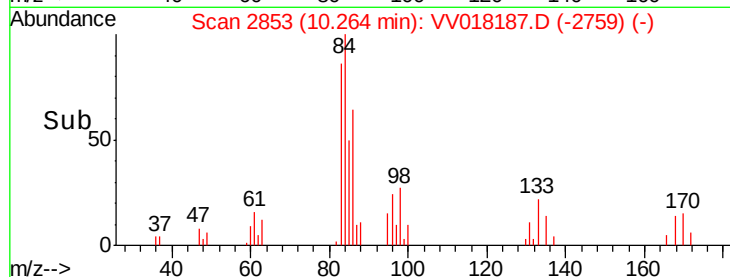
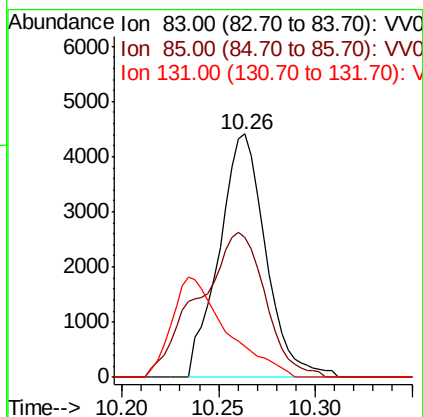
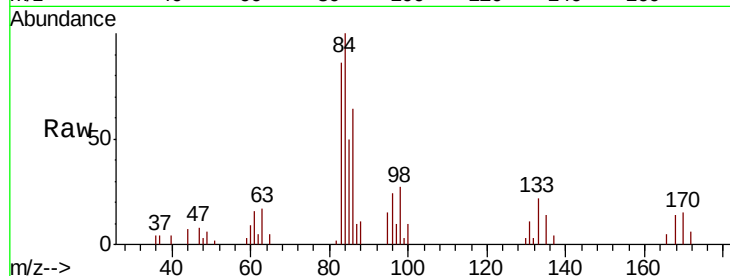
Tot Ion: 83 Resp: 7397

Ion Ratio Lower Upper

83 100

85 57.7 45.8 85.2

131 12.8 8.0 12.0#



#59

1,2,3-Trichloropropane

Concen: 2.175 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018187.D

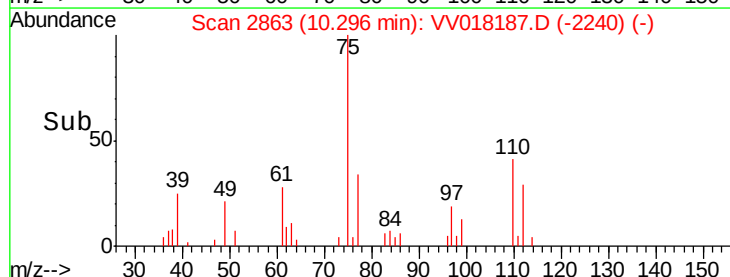
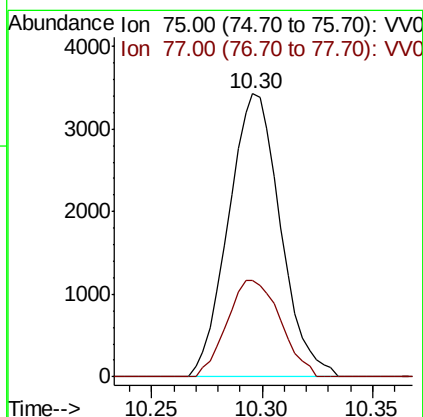
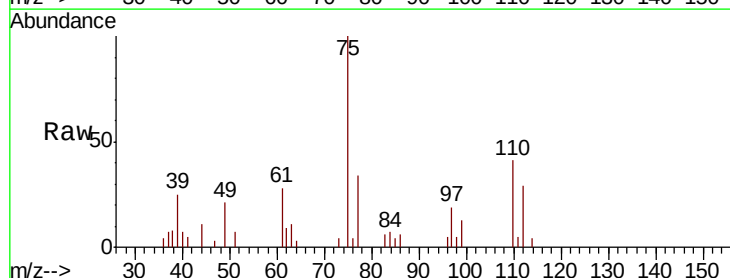
Acq: 10 Sep 2020 18:11

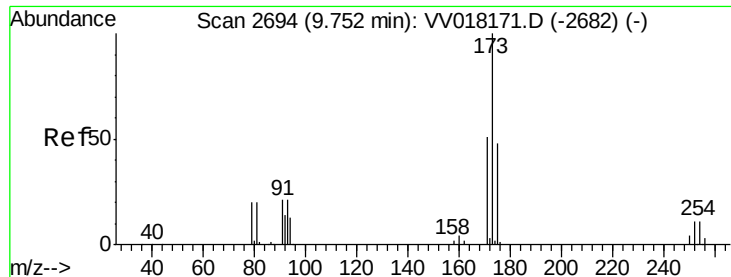
Tgt Ion: 75 Resp: 5618

Ion Ratio Lower Upper

75 100

77 35.1 25.8 38.6





#61

Bromoform

Concen: 1.929 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

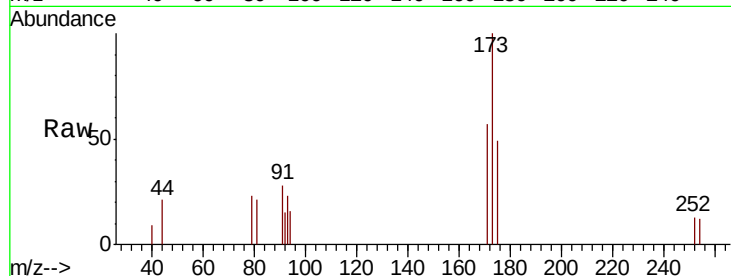
Tot Ion:173 Resp: 3063

Ion Ratio Lower Upper

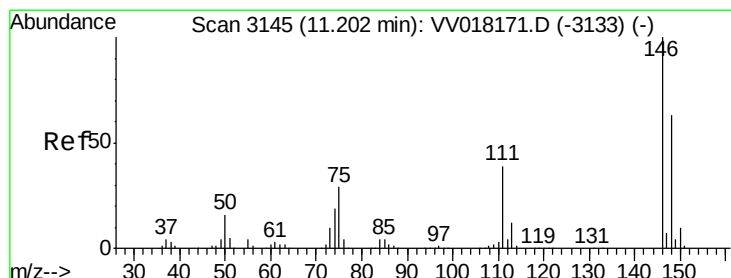
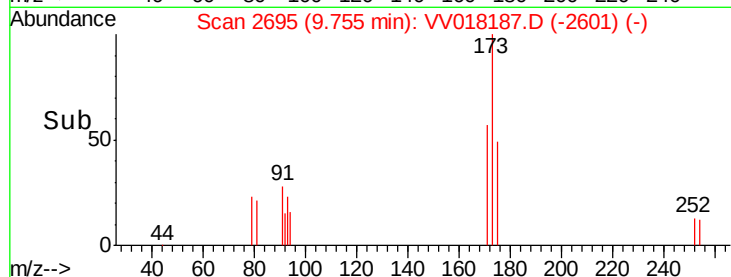
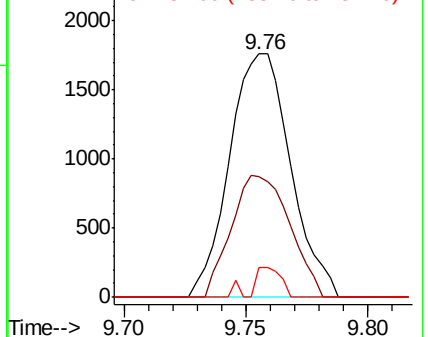
173 100

175 47.8 39.0 58.6

254 4.7 9.0 13.4#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 2.230 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

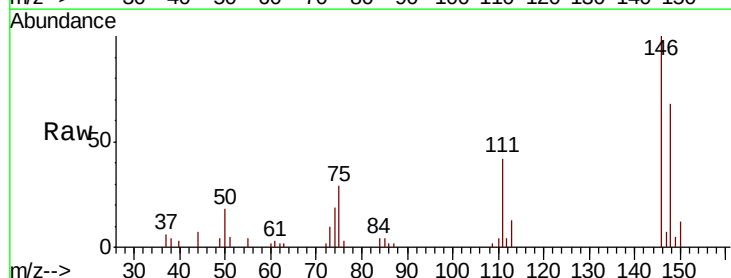
Tgt Ion:146 Resp: 9804

Ion Ratio Lower Upper

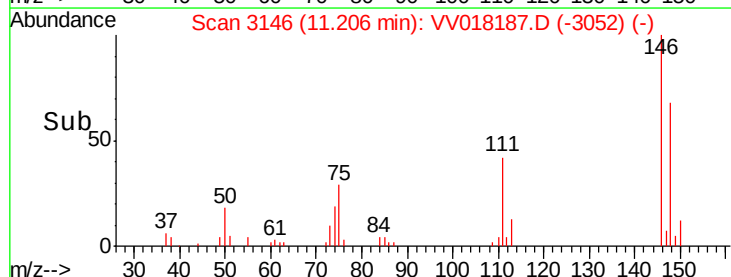
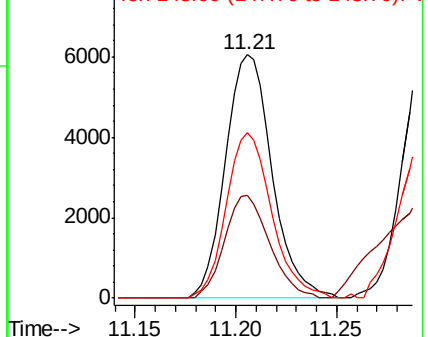
146 100

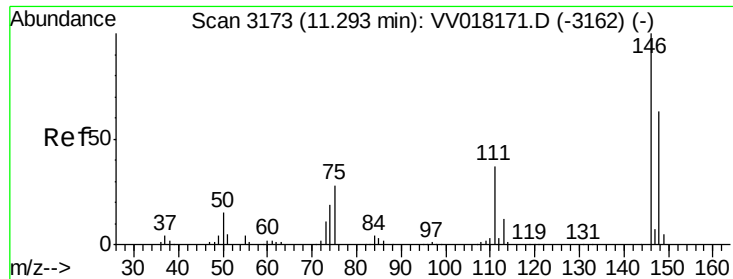
111 42.2 27.6 51.2

148 67.7 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

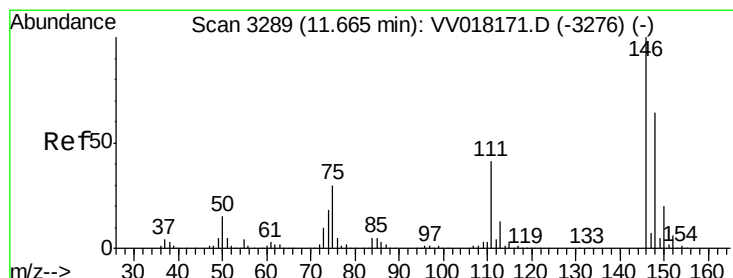
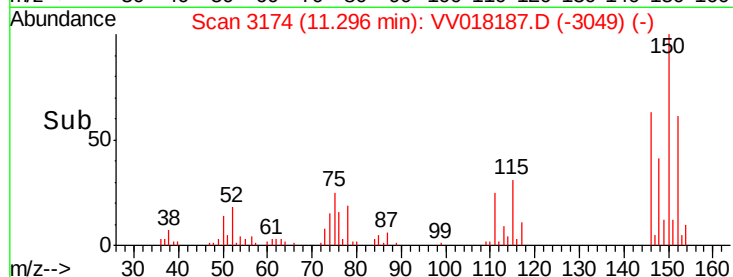
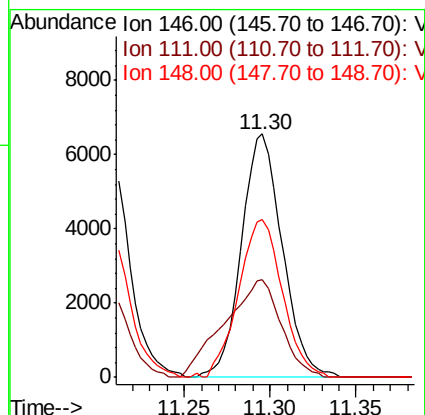
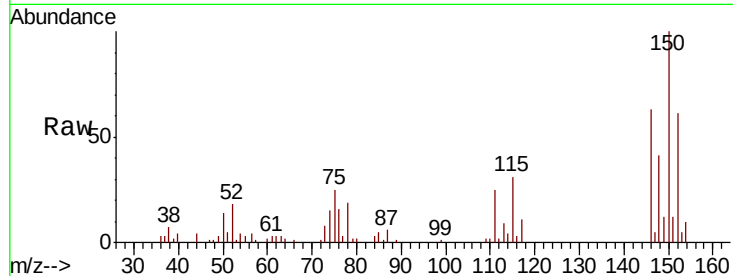




#63
 1,4-Dichlorobenzene
 Concen: 2.406 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

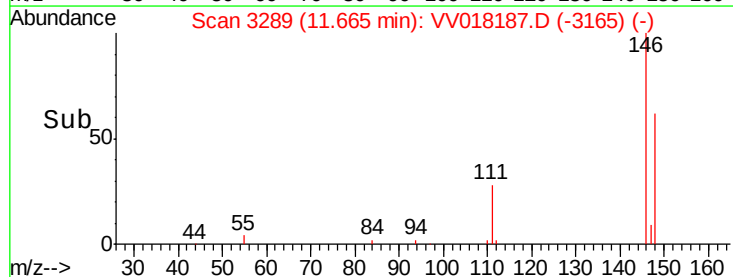
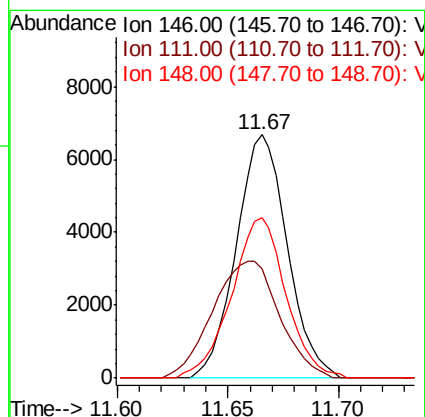
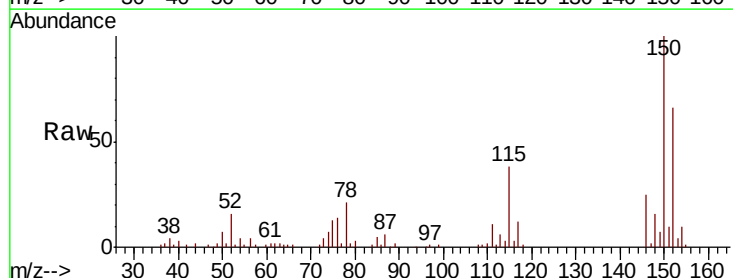
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

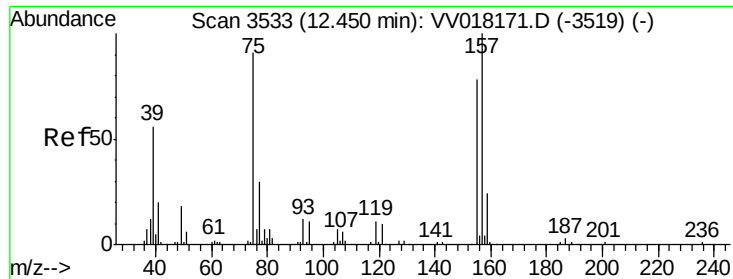
Tot Ion:146 Resp: 10872
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.1 50.3
 148 65.1 45.4 84.2



#65
 1,2-Dichlorobenzene
 Concen: 2.417 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion:146 Resp: 10742
 Ion Ratio Lower Upper
 146 100
 111 44.9 32.8 49.2
 148 66.1 50.7 76.1

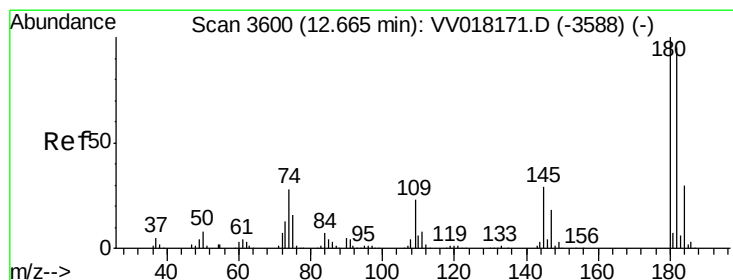
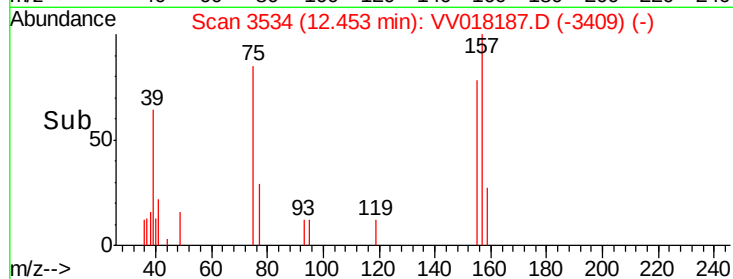
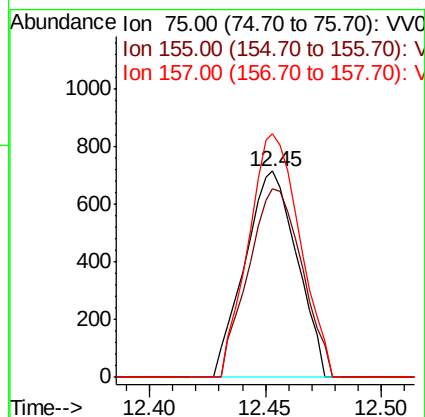
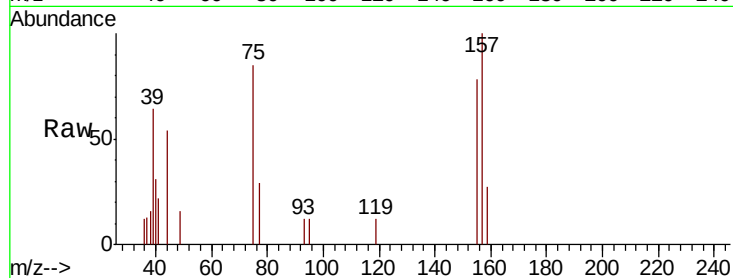




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.781 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

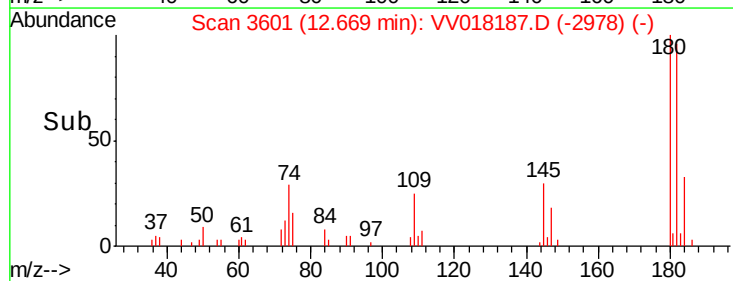
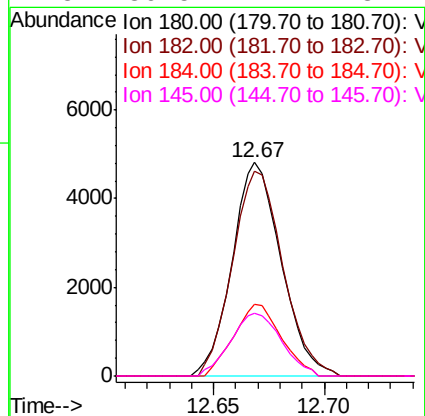
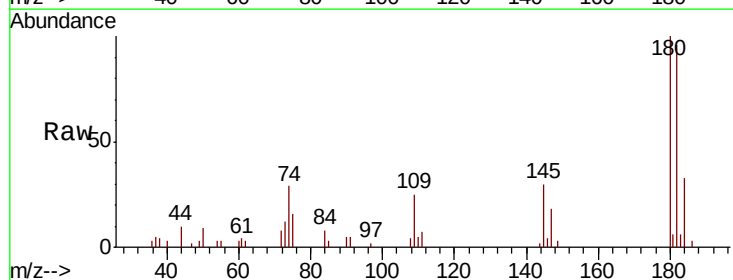
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

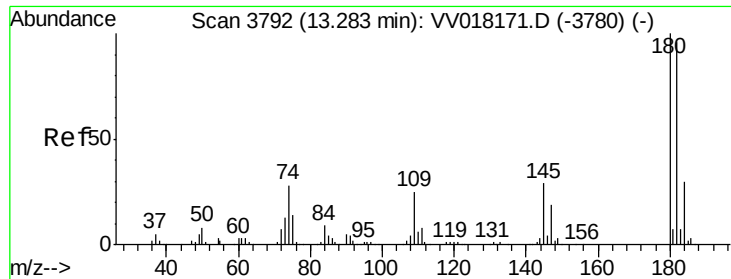
Tot Ion: 75 Resp: 1117
 Ion Ratio Lower Upper
 75 100
 155 91.5 69.7 104.5
 157 118.0 88.2 132.4



#67
 1,3,5-Trichlorobenzene
 Concen: 2.145 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion: 180 Resp: 7434
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.8 115.2
 184 32.4 24.6 36.8
 145 30.5 22.7 34.1

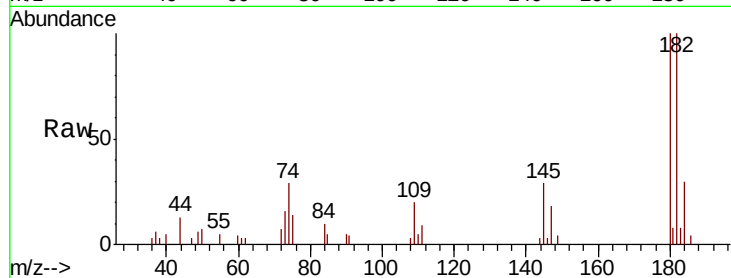




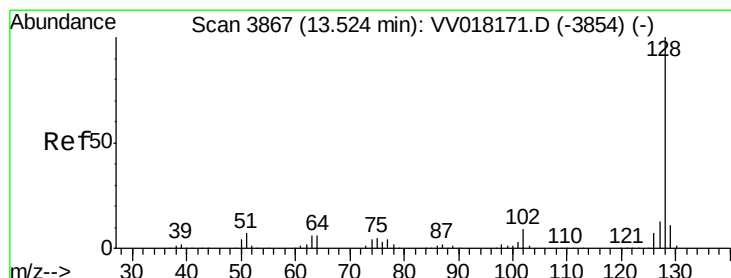
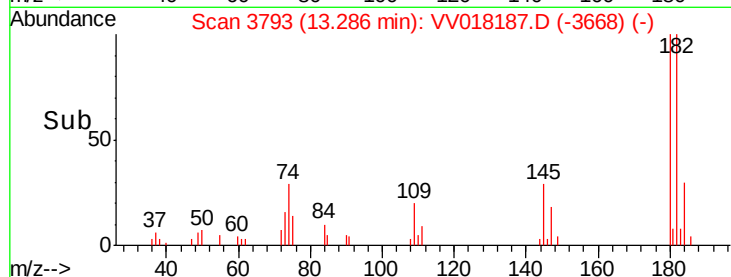
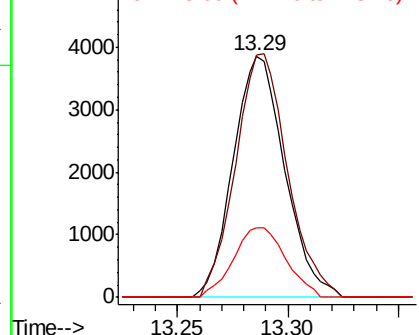
#68
 1,2,4-trichlorobenzene
 Concen: 2.034 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:180 Resp: 6277
 Ion Ratio Lower Upper
 180 100
 182 101.4 77.4 116.2
 145 29.3 23.2 34.8

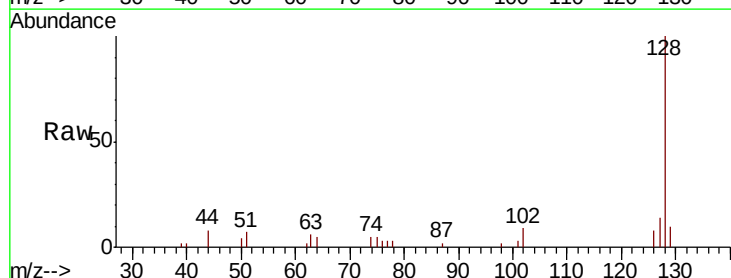


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

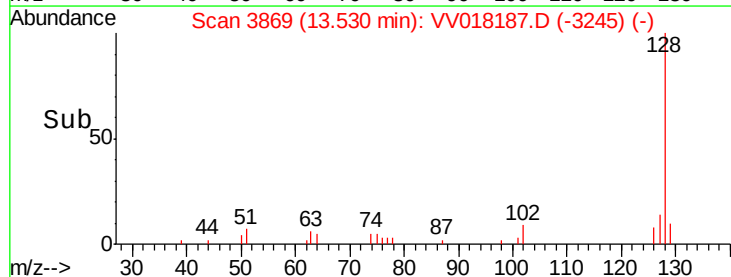
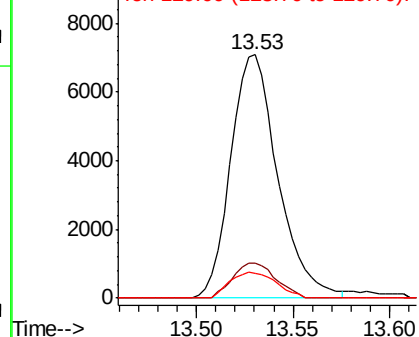


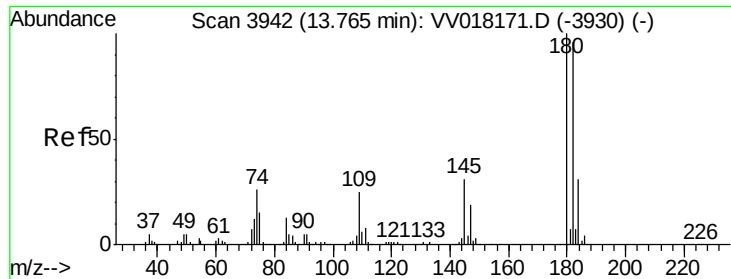
#69
 Naphthalene
 Concen: 1.537 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion:128 Resp: 12000
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 10.3 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: 1.917 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	30.1	24.9	37.3

