

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018184.D
 Acq On : 10 Sep 2020 17:04
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: Sep 11 01:33:16 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	296545	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293014	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146778	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101256	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.80%
7) Chloroethane-d5	1.58	69	89455	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.12	63	154119	34.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.54%
21) 2-Butanone-d5	3.91	46	140870	95.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.23%
24) Chloroform-d	4.38	84	186616	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.02%
26) 1,2-Dichloroethane-d4	5.06	65	127180	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.08	84	389956	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
36) 1,2-Dichloropropane-d6	6.09	67	126579	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.98%
41) Toluene-d8	7.34	98	346901	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	7.64	79	59253	43.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.50%
47) 2-Hexanone-d5	8.11	63	90013	89.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153068	45.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	149940	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4885	2.259 ug/L	97
3) Chloromethane	1.25	50	5345	2.264 ug/L	100
5) Vinyl chloride	1.32	62	5947	2.456 ug/L #	71
6) Bromomethane	1.53	94	3590	2.426 ug/L	95
8) Chloroethane	1.60	64	3610	2.380 ug/L	98
9) Trichlorofluoromethane	1.77	101	7484	2.246 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6032	3.014 ug/L #	84
12) 1,1-Dichloroethene	2.13	96	5452	2.800 ug/L #	1
13) Acetone	2.20	43	6484	5.474 ug/L	94
14) Carbon disulfide	2.31	76	13369	2.244 ug/L	97
15) Methyl Acetate	2.46	43	4376	2.056 ug/L	97
16) Methylene chloride	2.53	84	5585	2.558 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	4459	2.222 ug/L	95
18) Methyl tert-butyl Ether	2.79	73	12675	2.042 ug/L	96
19) 1,1-Dichloroethane	3.22	63	8265	2.178 ug/L	93
20) cis-1,2-Dichloroethene	3.95	96	4873	2.272 ug/L	98
22) 2-Butanone	4.02	43	1855	1.323 ug/L	78

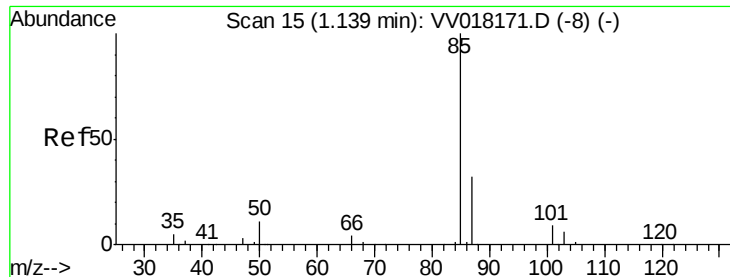
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2524	2.249	ug/L	90
25) Chloroform	4.41	83	15594	4.043	ug/L	99
27) 1,2-Dichloroethane	5.16	62	7435	2.490	ug/L	100
29) Cyclohexane	4.71	56	6924	2.046	ug/L #	88
30) 1,1,1-Trichloroethane	4.64	97	7534	2.216	ug/L	98
31) Carbon tetrachloride	4.86	117	6250	2.090	ug/L	95
33) Benzene	5.13	78	19608	2.341	ug/L	100
34) Trichloroethene	5.95	95	5346	2.343	ug/L	98
35) Methylcyclohexane	6.16	83	6693	1.948	ug/L #	81
37) 1,2-Dichloropropane	6.20	63	4526	2.039	ug/L #	90
38) Bromodichloromethane	6.54	83	6029	2.087	ug/L #	96
39) cis-1,3-Dichloropropene	7.06	75	7301	2.135	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	10400	3.862	ug/L	98
42) Toluene	7.41	91	19818	2.235	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	7344	2.205	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	4308	2.094	ug/L	98
46) Tetrachloroethene	8.00	164	4061	2.269	ug/L	94
48) 2-Hexanone	8.16	43	14935	7.034	ug/L	92
49) Dibromochloromethane	8.27	129	4713	2.041	ug/L	99
50) 1,2-Dibromoethane	8.38	107	4836	2.233	ug/L #	95
51) Chlorobenzene	8.90	112	13006	2.259	ug/L	96
52) Ethylbenzene	9.04	91	19950	2.061	ug/L	99
53) m,p-Xylene	9.16	106	7404	2.049	ug/L	93
54) o-xylene	9.57	106	6632	1.905	ug/L	97
55) Styrene	9.59	104	10790	1.784	ug/L	99
56) Isopropylbenzene	9.95	105	17896	1.908	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7301	2.399	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	5856	2.243	ug/L	97
61) Bromoform	9.76	173	3113	1.974	ug/L #	97
62) 1,3-Dichlorobenzene	11.21	146	9948	2.279	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	11030	2.459	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	10949	2.482	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	1132	1.818	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.67	180	7872	2.288	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	6314	2.061	ug/L	99
69) Naphthalene	13.53	128	12916	1.666	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	6132	2.032	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.259 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

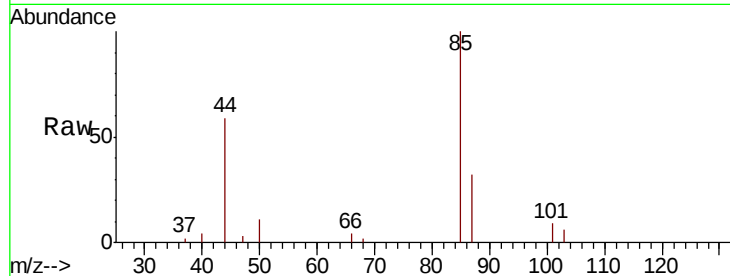
MDL02

Tot Ion: 85 Resp: 4885

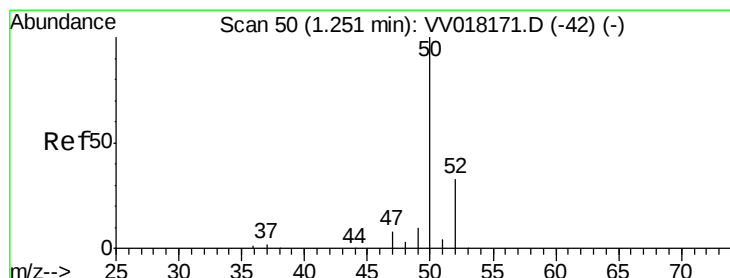
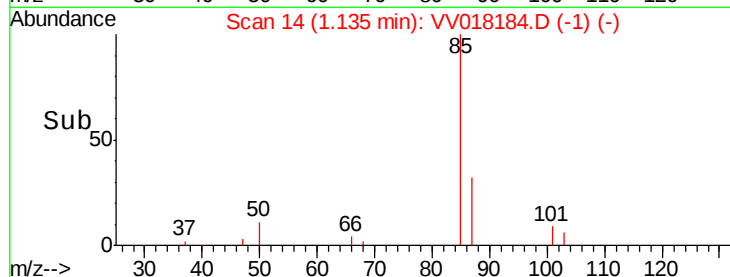
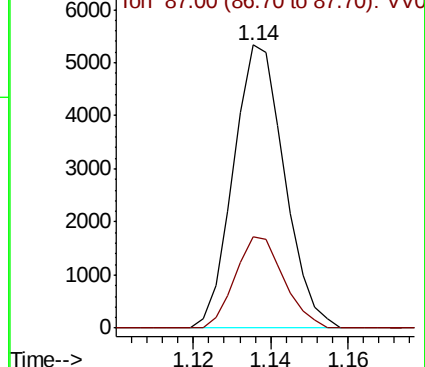
Ion Ratio Lower Upper

85 100

87 30.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018184.D (-1) (-)



#3

Chloromethane

Concen: 2.264 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018184.D

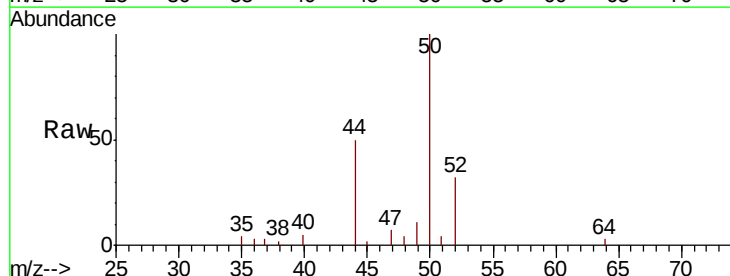
Acq: 10 Sep 2020 17:04

Tgt Ion: 50 Resp: 5345

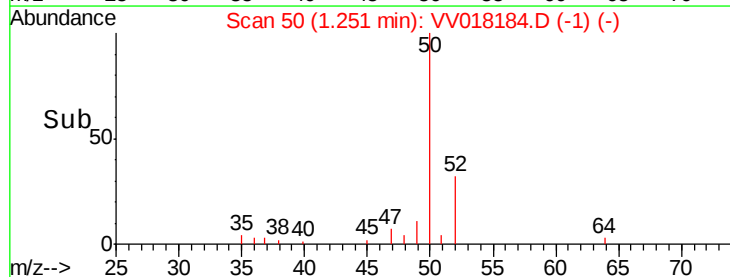
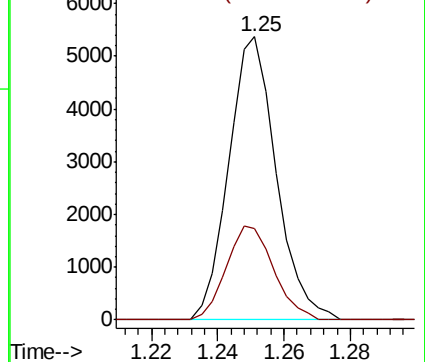
Ion Ratio Lower Upper

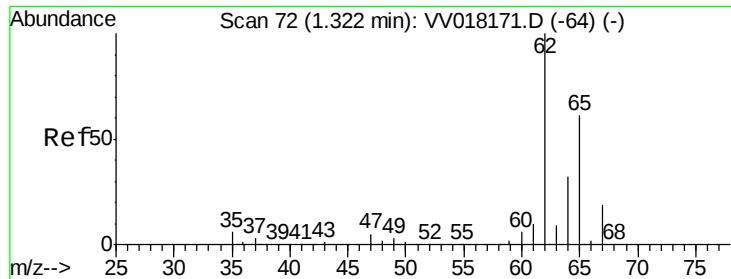
50 100

52 32.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018184.D (-1) (-)





#5

Vinyl chloride

Concen: 2.456 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleID :

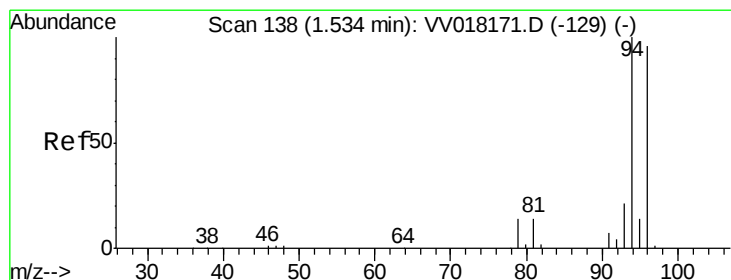
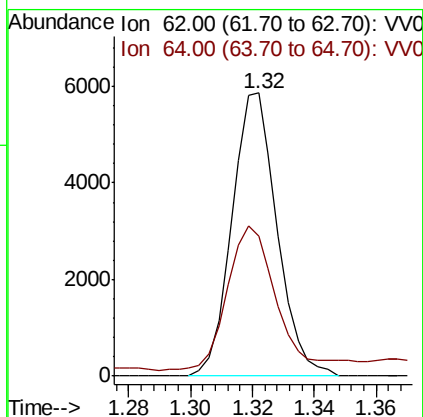
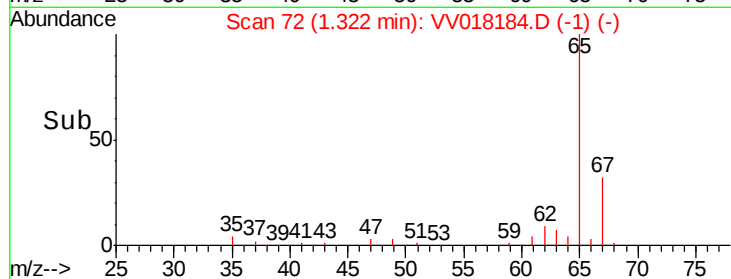
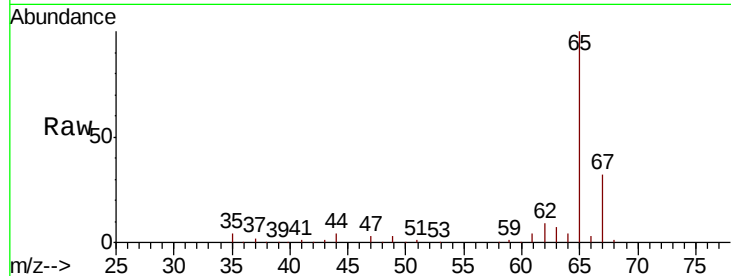
MDL02

Tot Ion: 62 Resp: 5947

Ion Ratio Lower Upper

62 100

64 49.4 23.1 42.9#



#6

Bromomethane

Concen: 2.426 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018184.D

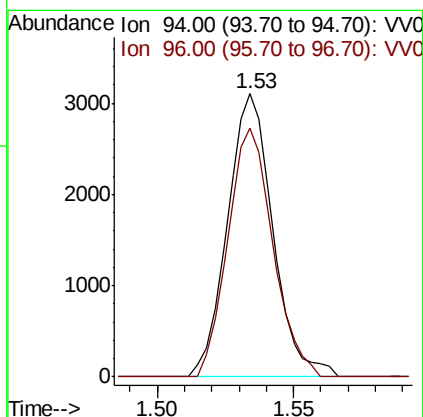
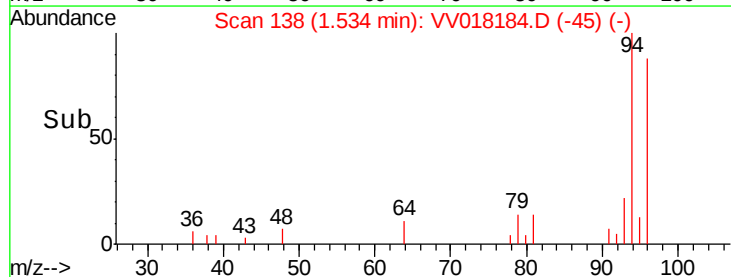
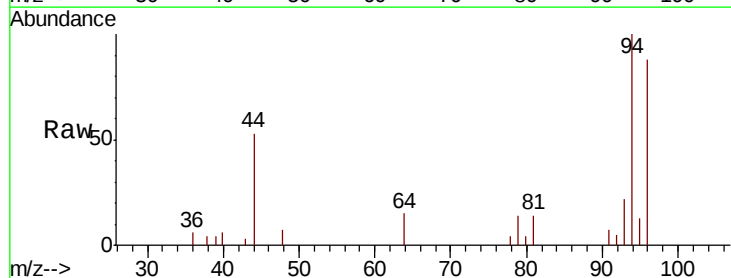
Acq: 10 Sep 2020 17:04

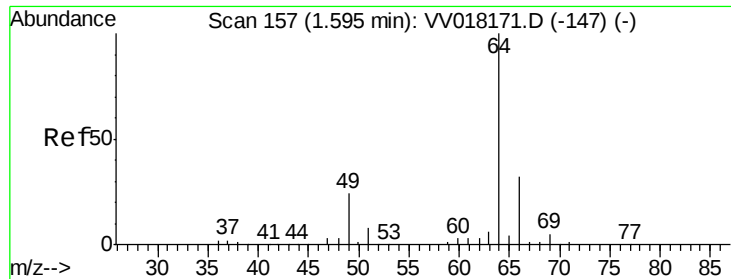
Tgt Ion: 94 Resp: 3590

Ion Ratio Lower Upper

94 100

96 88.1 65.1 120.9

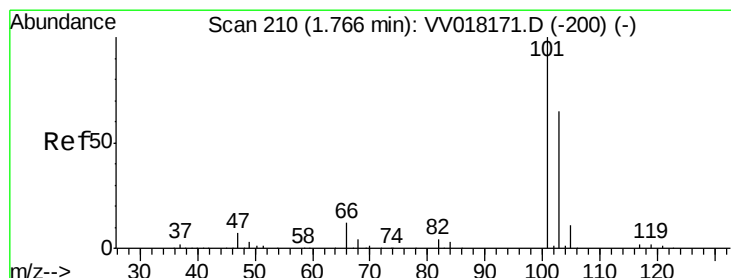
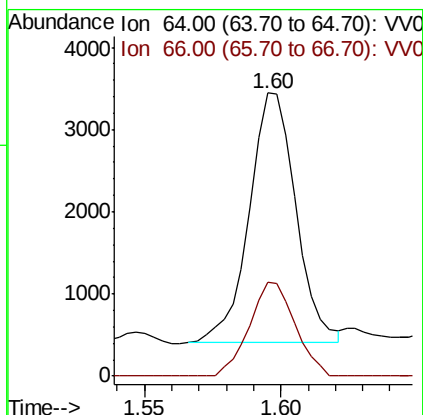
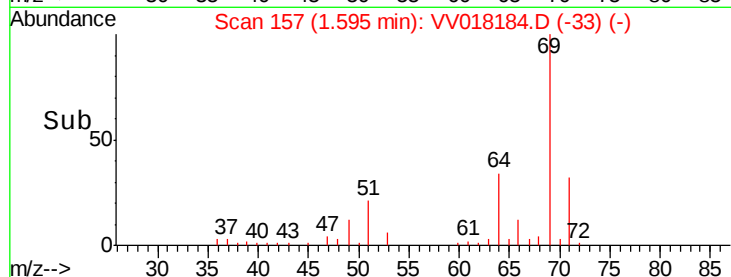
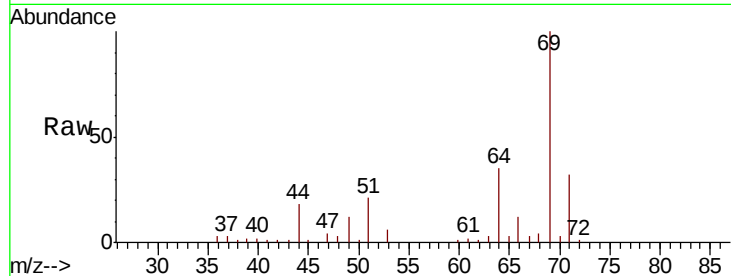




#8
Chloroethane
Concen: 2.380 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

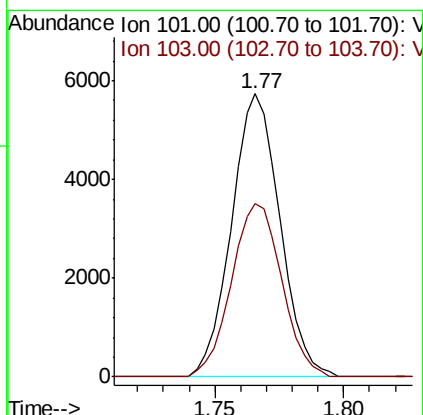
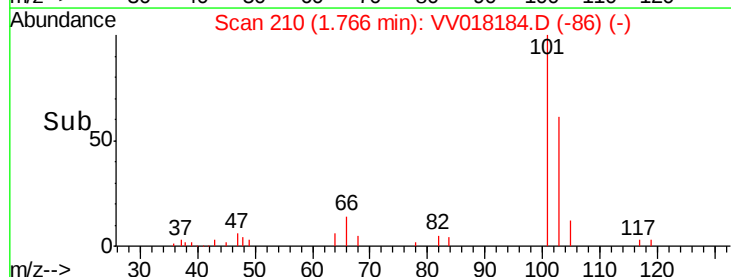
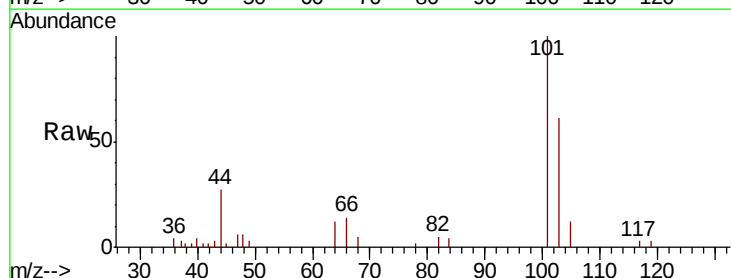
Instrument :
MSVOA_V
ClientSampleId :
MDL02

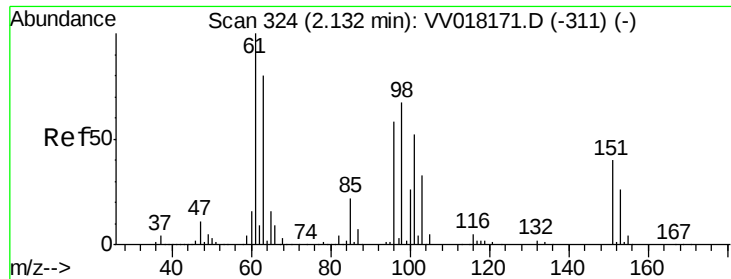
Tot Ion: 64 Resp: 3610
Ion Ratio Lower Upper
64 100
66 33.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 2.246 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion: 101 Resp: 7484
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.6





#10

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

Concen: 3.014 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

MDL02

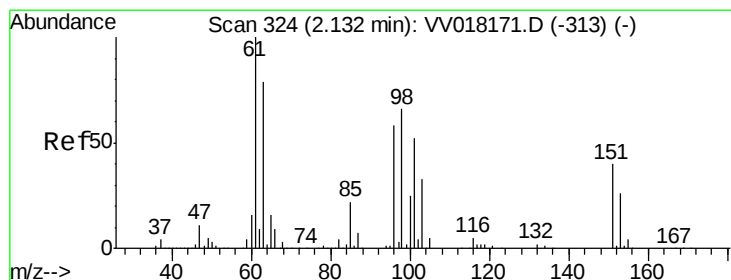
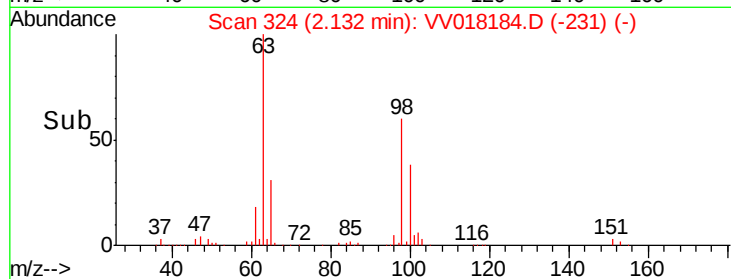
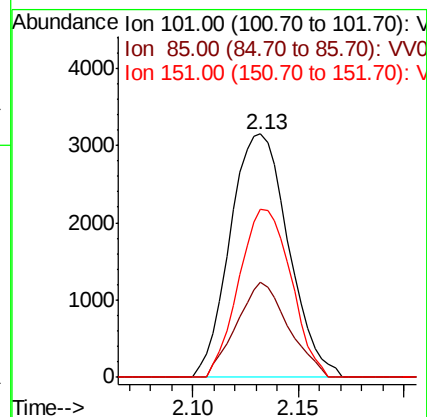
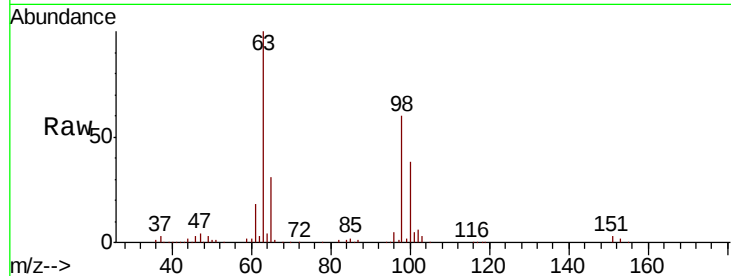
Tot Ion:101 Resp: 6032

Ion Ratio Lower Upper

101 100

85 34.7 33.5 50.3

151 61.9 62.2 93.2#



#12

1,1-Dichloroethene

Concen: 2.800 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

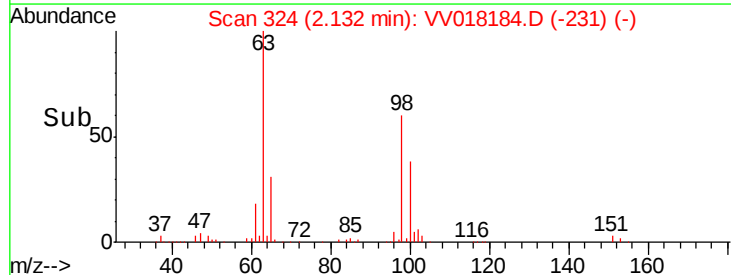
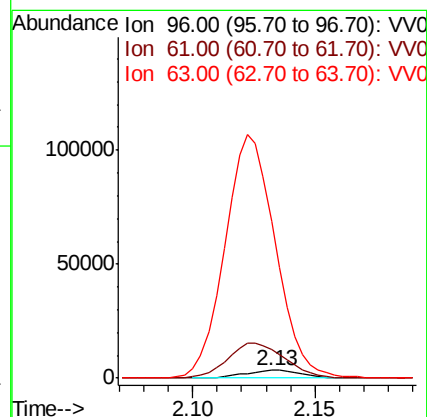
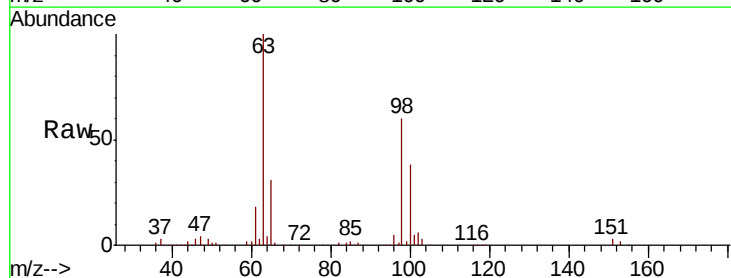
Tgt Ion: 96 Resp: 5452

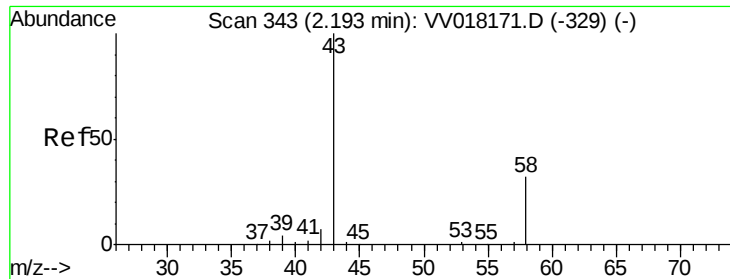
Ion Ratio Lower Upper

96 100

61 369.9 122.9 228.3#

63 2039.2 91.9 170.7#





#13

Acetone

Concen: 5.474 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

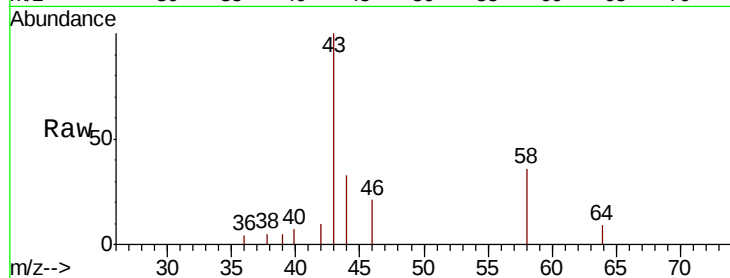
MDL02

Tot Ion: 43 Resp: 6484

Ion Ratio Lower Upper

43 100

58 30.4 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018171.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018171.D (-329) (-)

2.20

2500

2000

1500

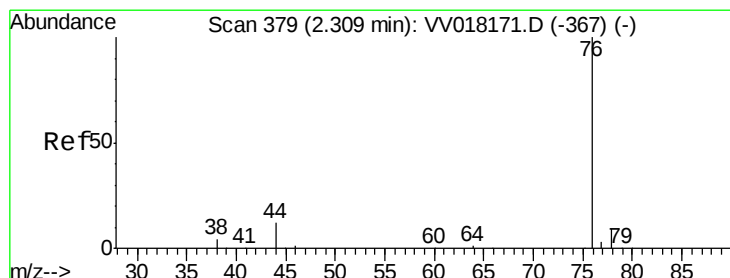
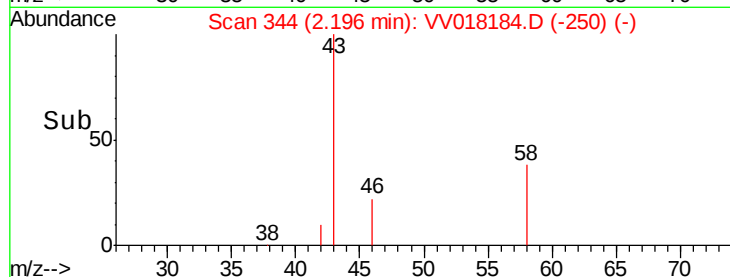
1000

500

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 2.244 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018184.D

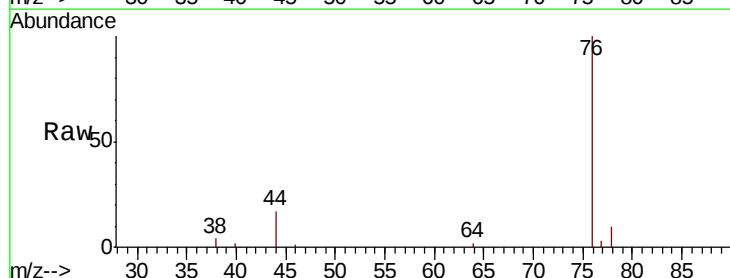
Acq: 10 Sep 2020 17:04

Tgt Ion: 76 Resp: 13369

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018171.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018171.D (-367) (-)

2.31

10000

8000

6000

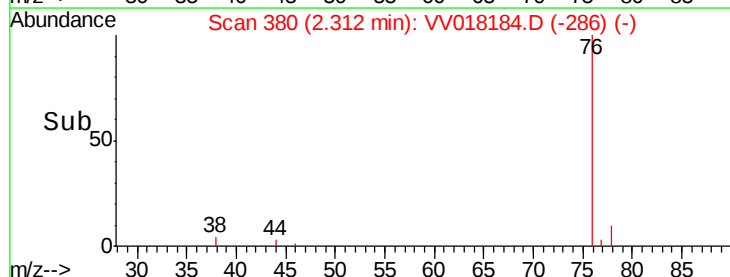
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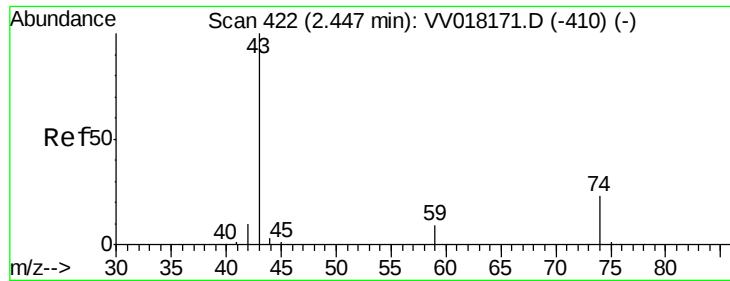
2000

0

Time-->

2.25 2.30 2.35

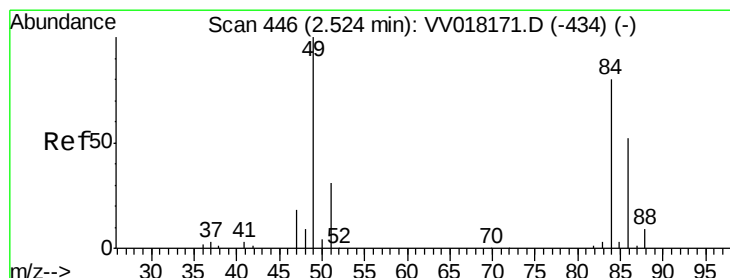
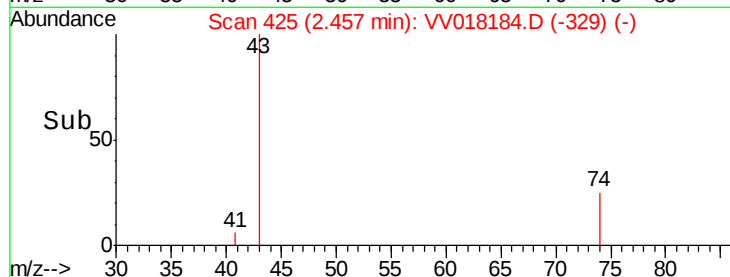
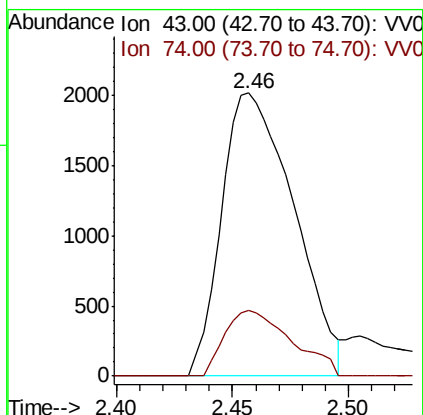
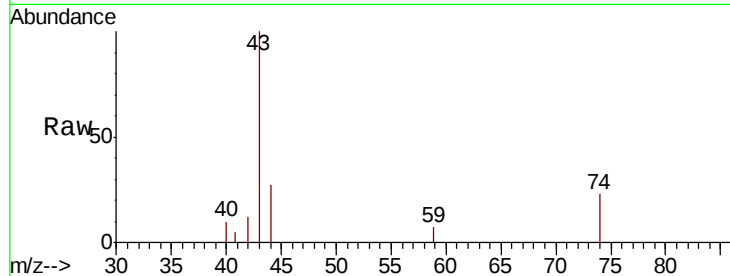




#15
Methvl Acetate
Concen: 2.056 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

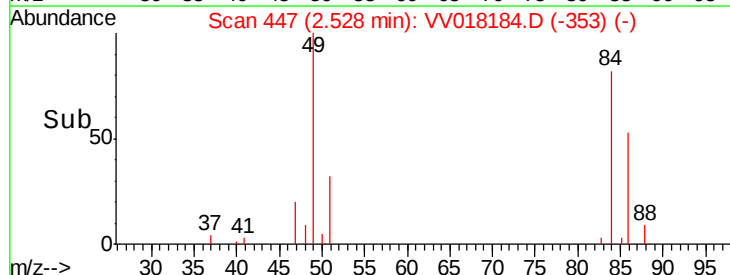
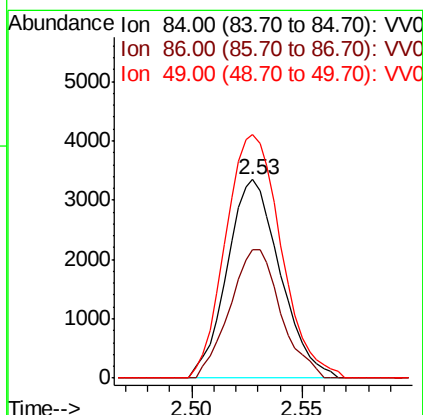
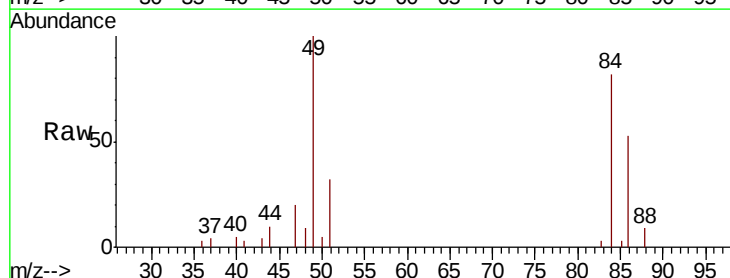
Instrument :
MSVOA_V
ClientSampleId :
MDL02

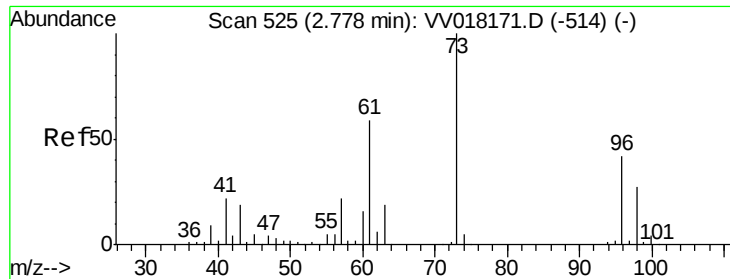
Tot Ion: 43 Resp: 4376
Ion Ratio Lower Upper
43 100
74 21.4 18.4 27.6



#16
Methylene chloride
Concen: 2.558 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion: 84 Resp: 5585
Ion Ratio Lower Upper
84 100
86 64.9 44.4 82.4
49 122.6 87.2 162.0

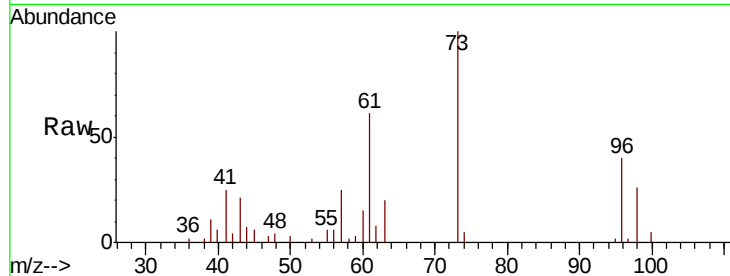




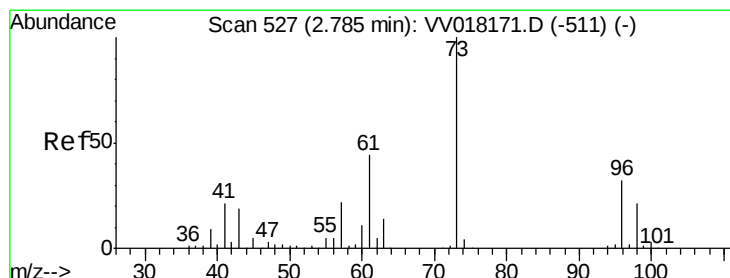
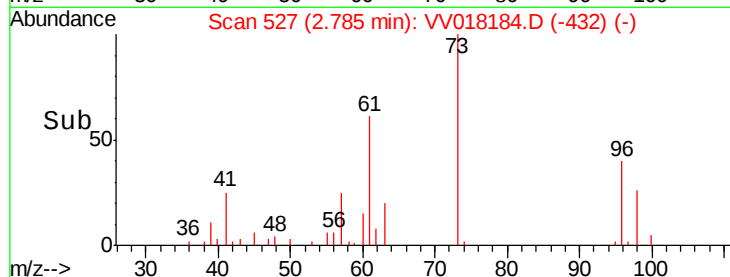
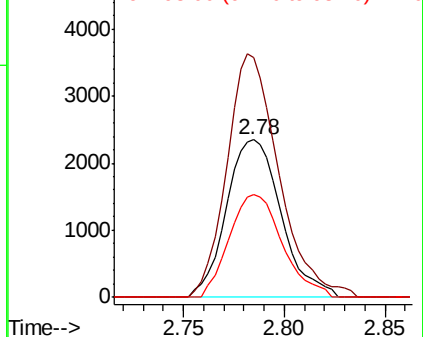
#17
trans-1,2-Dichloroethene
Concen: 2.222 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Instrument :
MSVOA_V
ClientSampleID :
MDL02

Tot Ion: 96 Resp: 4459
Ion Ratio Lower Upper
96 100
61 152.0 100.7 186.9
98 64.8 45.2 84.0

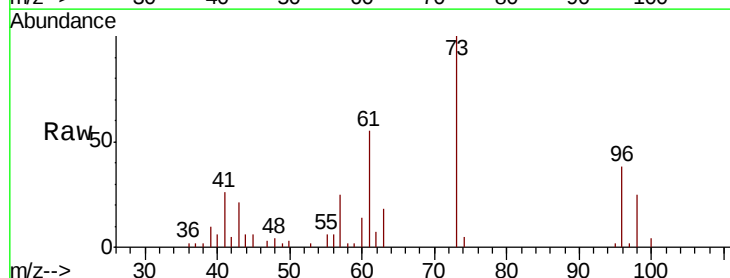


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

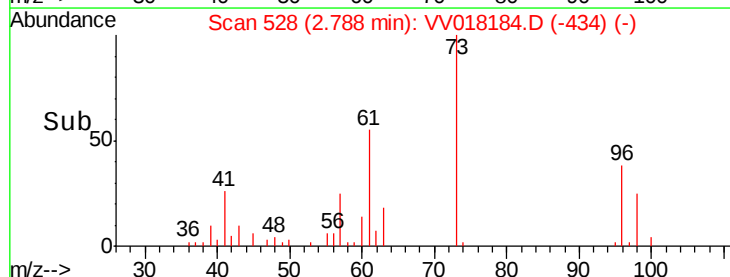
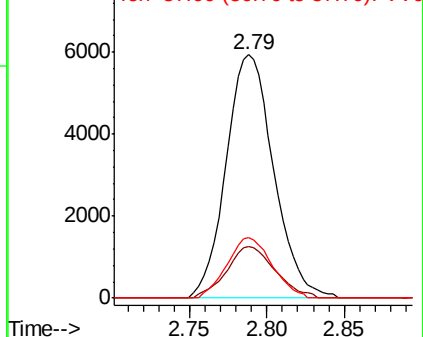


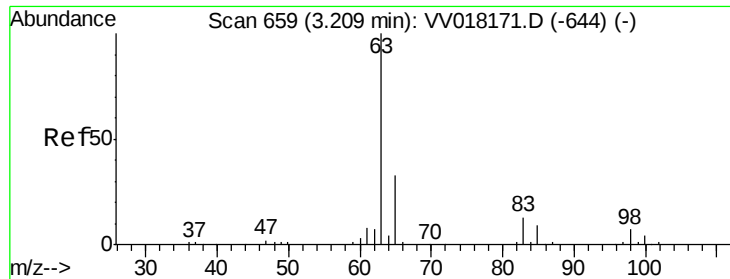
#18
Methyl tert-butyl Ether
Concen: 2.042 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion: 73 Resp: 12675
Ion Ratio Lower Upper
73 100
43 21.6 15.4 23.0
57 23.6 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

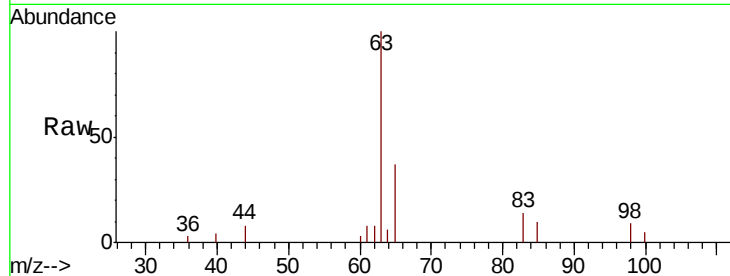




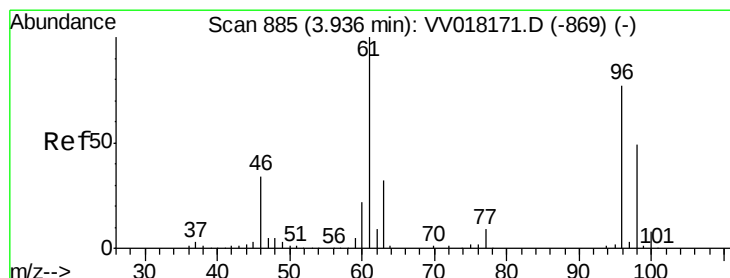
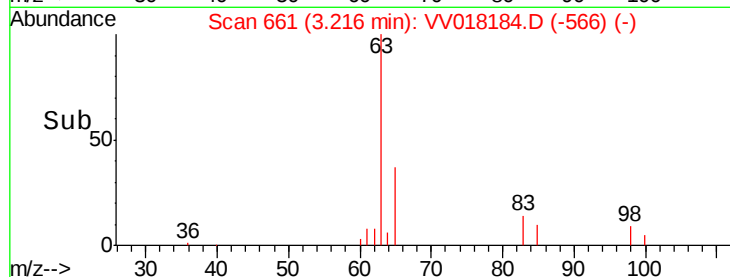
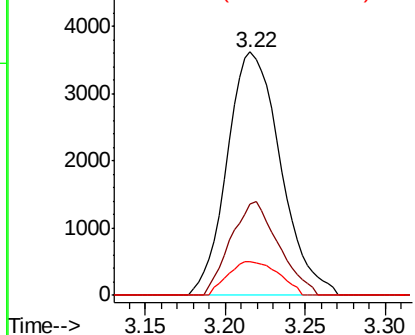
#19
 1,1-Dichloroethane
 Concen: 2.178 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 8265
 Ion Ratio Lower Upper
 63 100
 65 37.3 22.5 41.7
 83 14.0 9.3 17.3

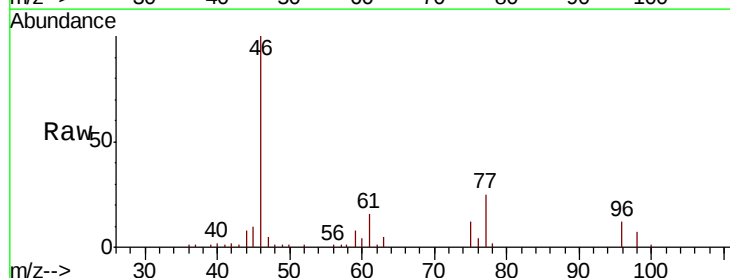


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

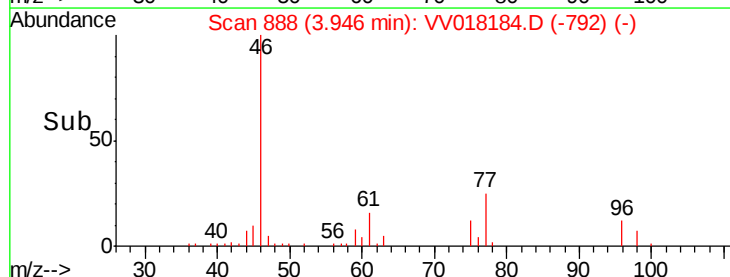
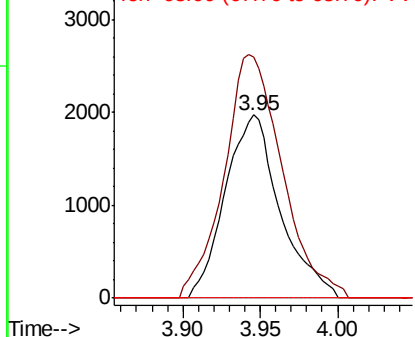


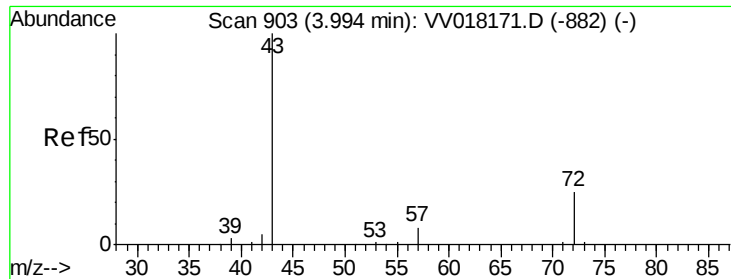
#20
 cis-1,2-Dichloroethene
 Concen: 2.272 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Tgt Ion: 96 Resp: 4873
 Ion Ratio Lower Upper
 96 100
 61 131.2 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: 1.323 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

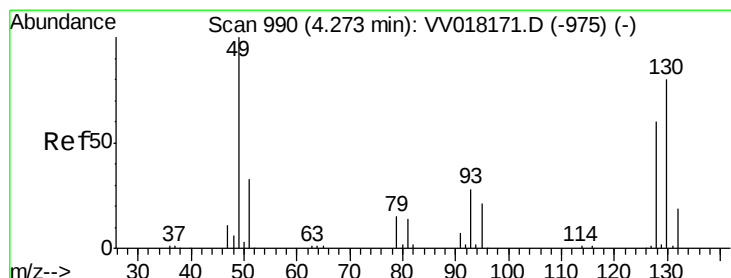
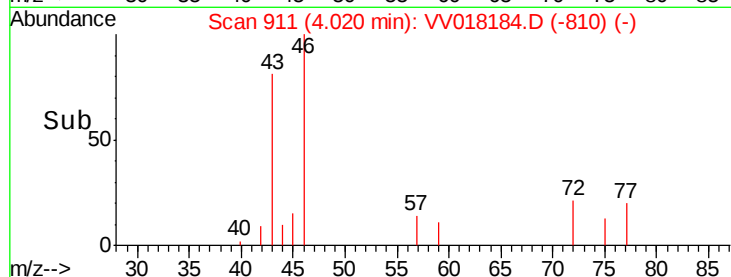
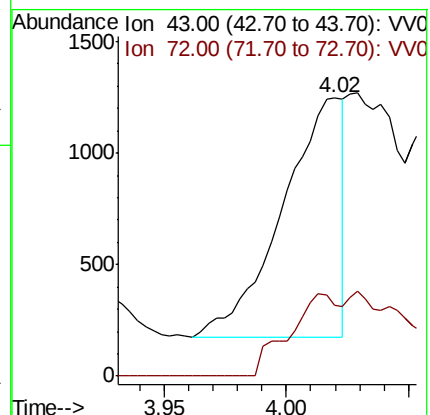
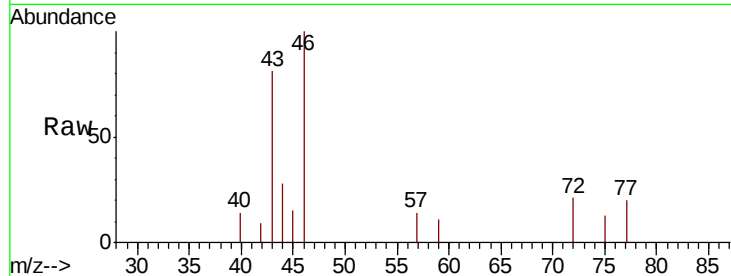
MDL02

Tot Ion: 43 Resp: 1855

Ion Ratio Lower Upper

43 100

72 15.1 13.1 39.3



#23

Bromochloromethane

Concen: 2.249 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Tgt Ion: 128 Resp: 2524

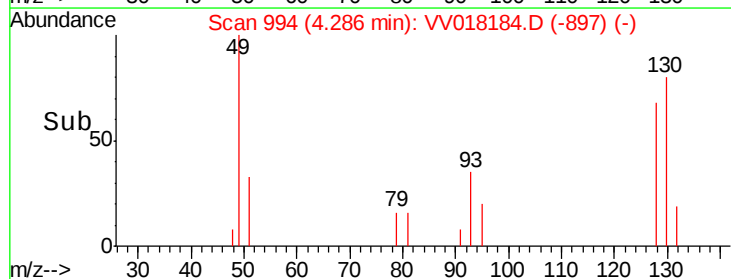
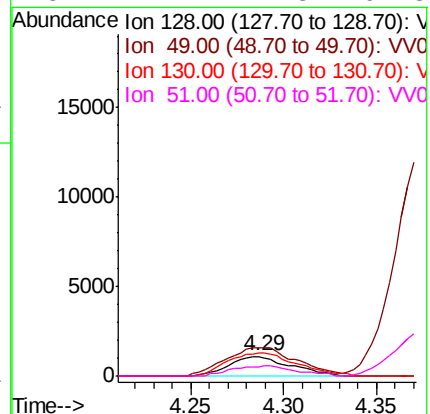
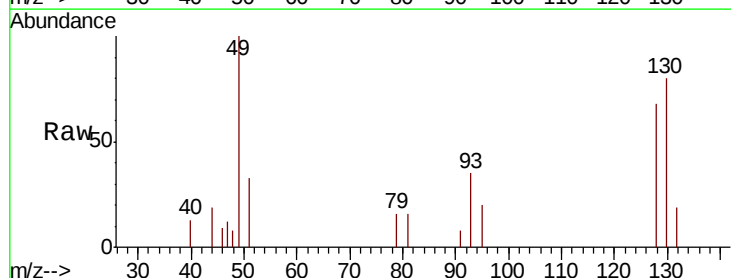
Ion Ratio Lower Upper

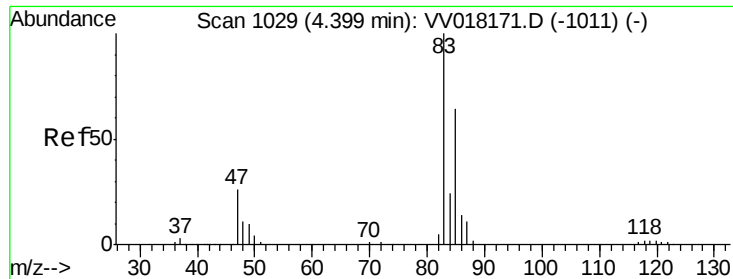
128 100

49 146.2 114.4 212.6

130 117.2 87.9 163.3

51 47.7 41.8 62.8

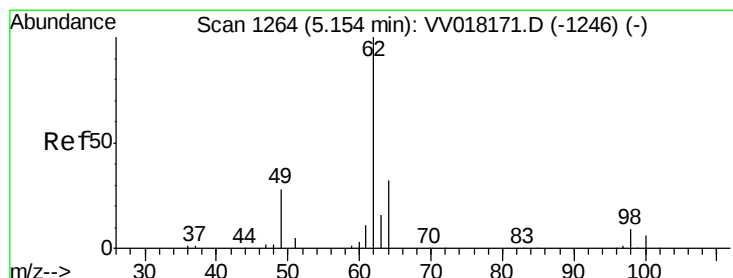
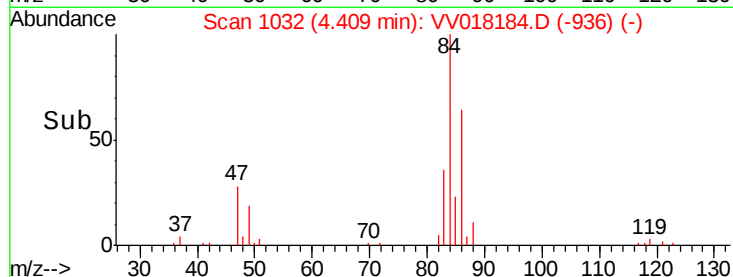
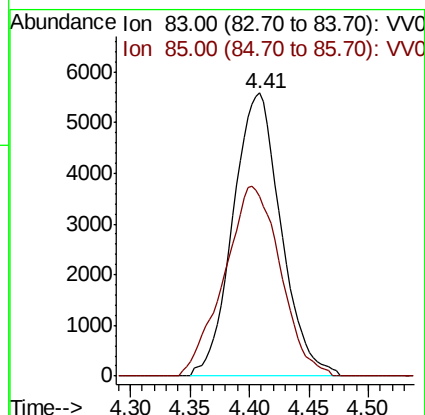
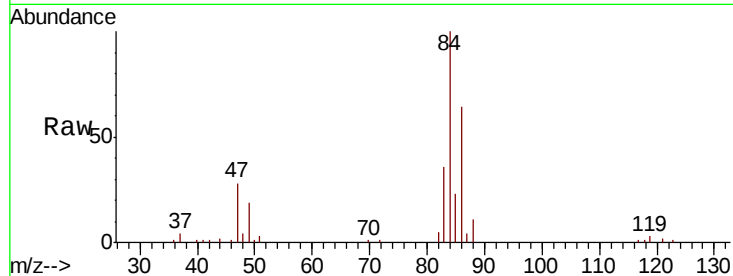




#25
Chloroform
Concen: 4.043 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

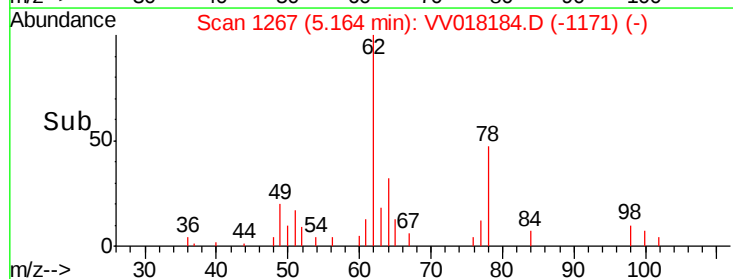
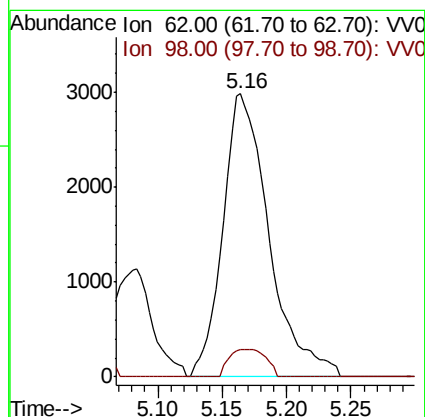
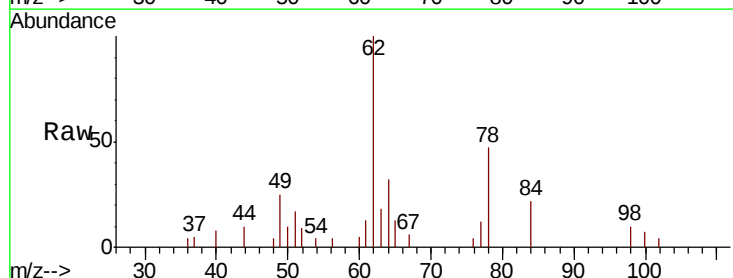
Instrument :
MSVOA_V
ClientSampled :
MDL02

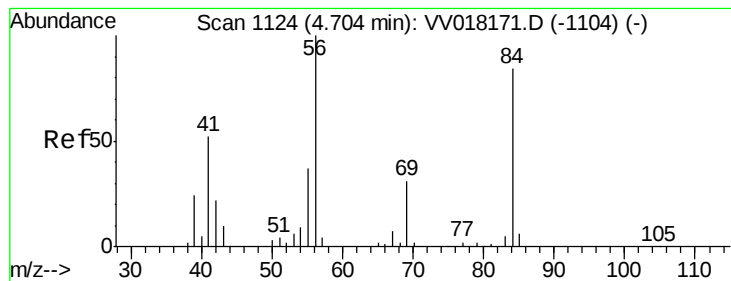
Tot Ion: 83 Resp: 15594
Ion Ratio Lower Upper
83 100
85 63.4 45.0 83.6



#27
1,2-Dichloroethane
Concen: 2.490 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion: 62 Resp: 7435
Ion Ratio Lower Upper
62 100
98 9.6 7.6 11.4





#29

Cvclohexane

Concen: 2.046 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

MDL02

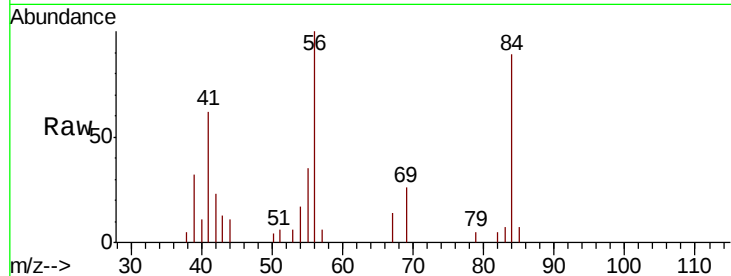
Tot Ion: 56 Resp: 6924

Ion Ratio Lower Upper

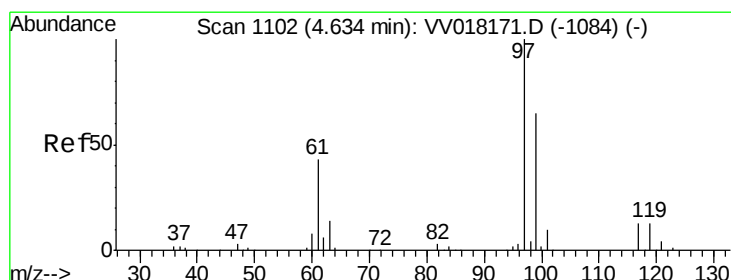
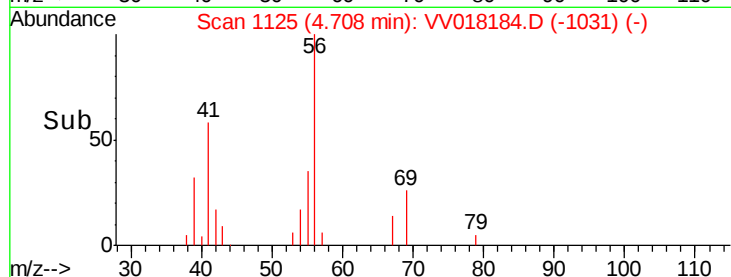
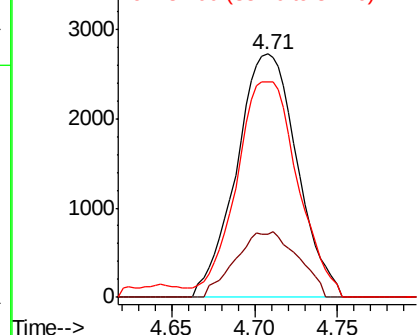
56 100

69 13.0 24.2 36.2#

84 89.8 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: 2.216 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

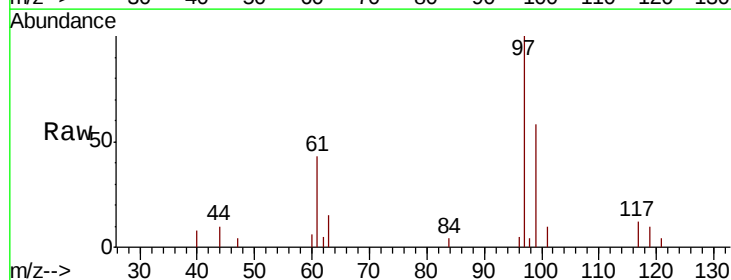
Tgt Ion: 97 Resp: 7534

Ion Ratio Lower Upper

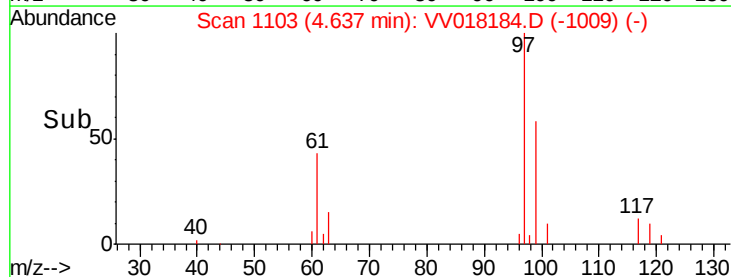
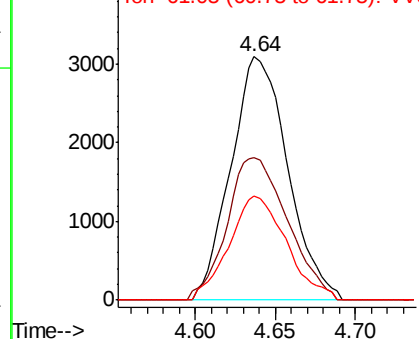
97 100

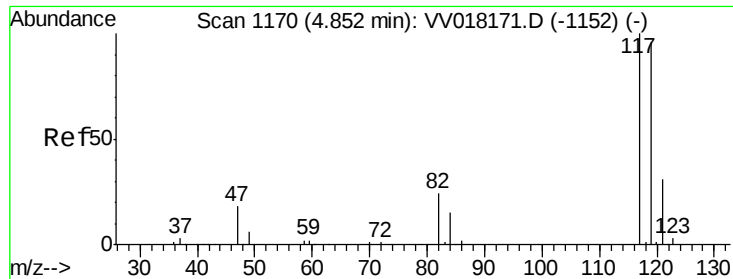
99 62.4 51.6 77.4

61 43.1 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: 2.090 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

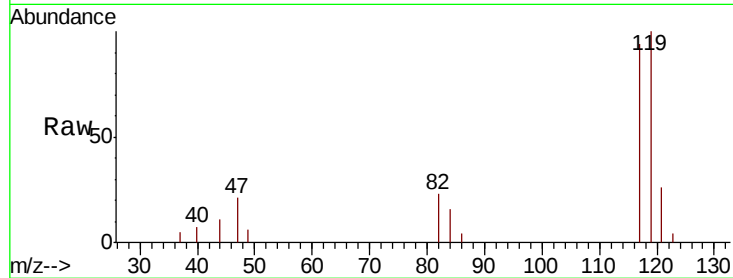
MDL02

Tot Ion:117 Resp: 6250

Ion Ratio Lower Upper

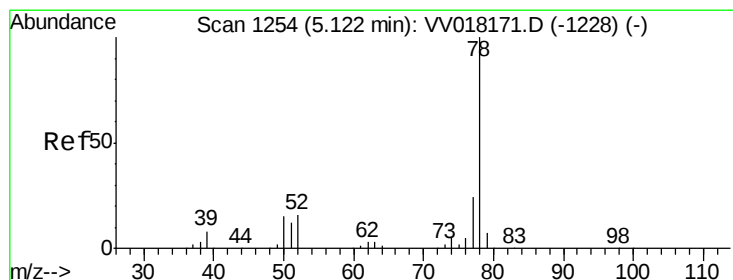
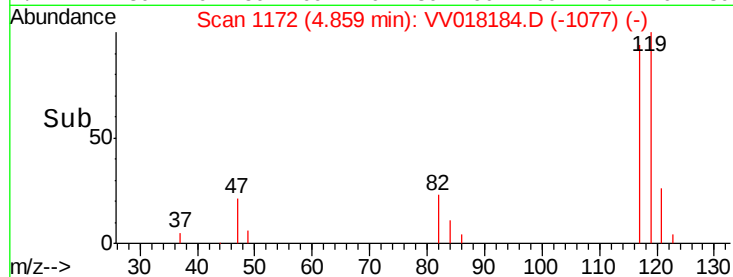
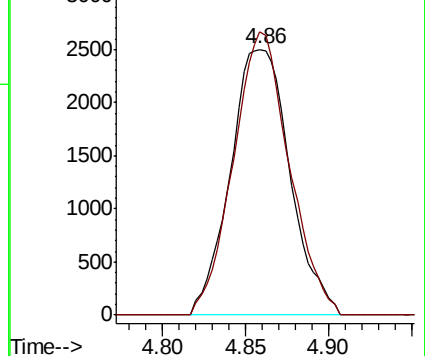
117 100

119 99.8 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: 2.341 ug/L

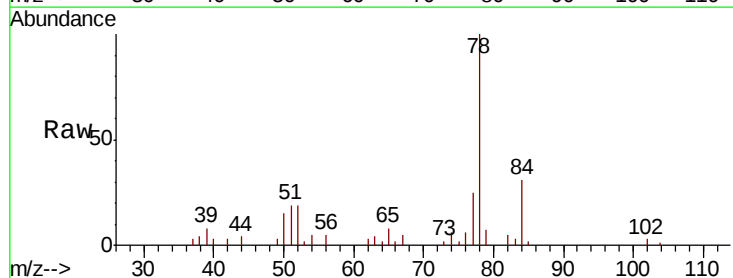
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

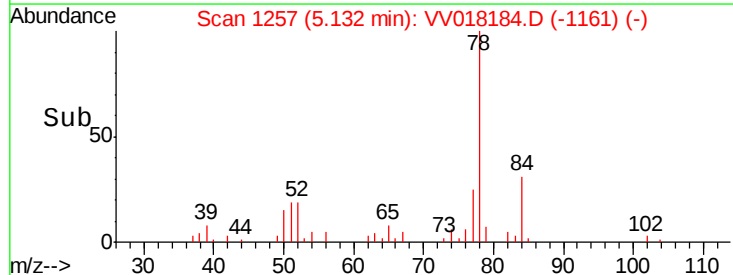
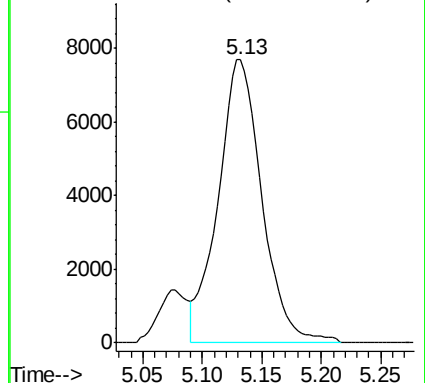
Lab File: VV018184.D

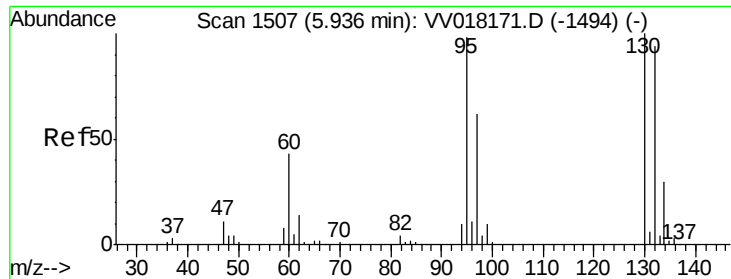
Acq: 10 Sep 2020 17:04

Tgt Ion: 78 Resp: 19608



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.343 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 95 Resp: 5346

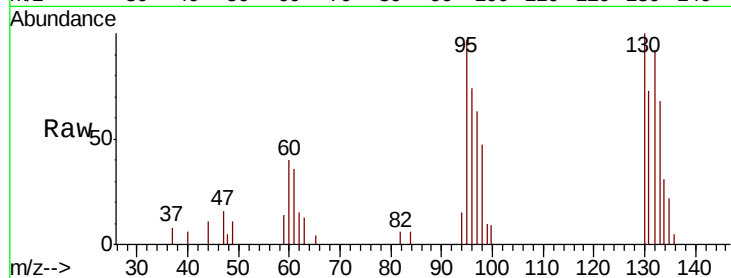
Ion Ratio Lower Upper

95 100

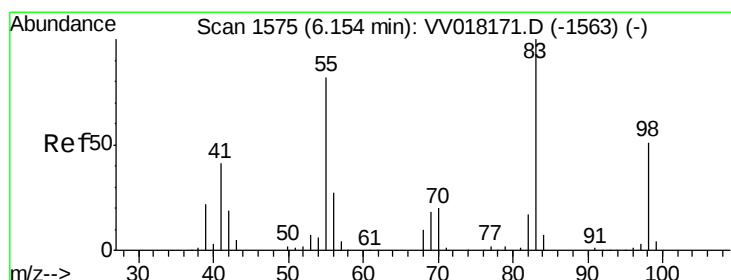
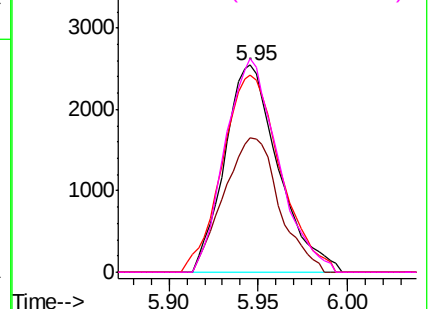
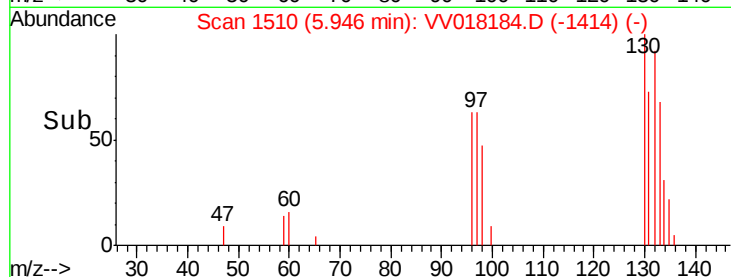
97 64.7 46.3 85.9

132 95.3 68.1 126.5

130 103.2 71.5 132.9



Abundance Ion 95.00 (94.70 to 95.70): VV018184.D (-1414) (-)



#35

Methylcyclohexane

Concen: 1.948 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

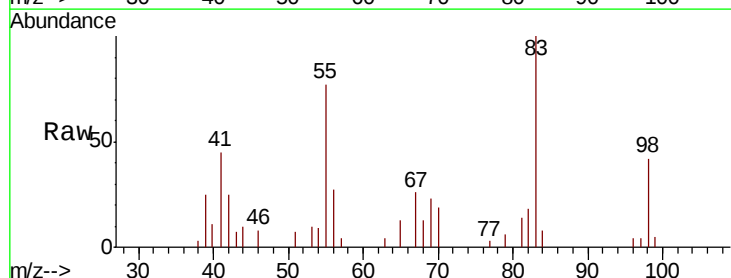
Tgt Ion: 83 Resp: 6693

Ion Ratio Lower Upper

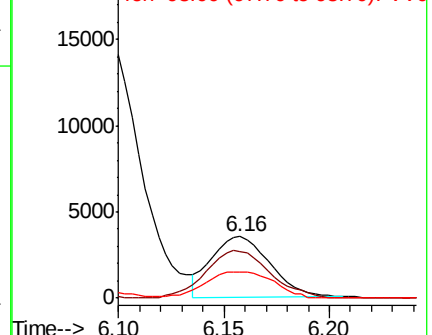
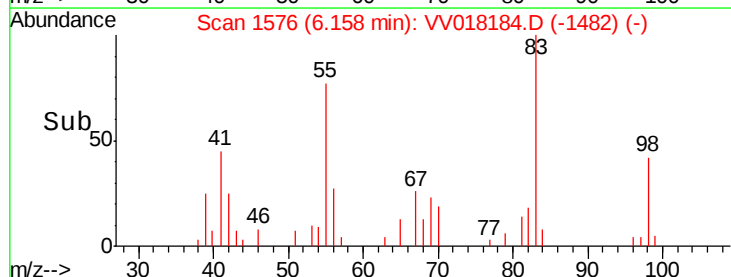
83 100

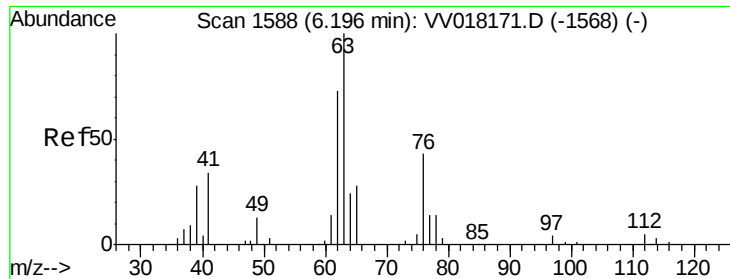
55 86.7 63.4 95.2

98 24.5 38.8 58.2#



Abundance Ion 83.00 (82.70 to 83.70): VV018184.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 2.039 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

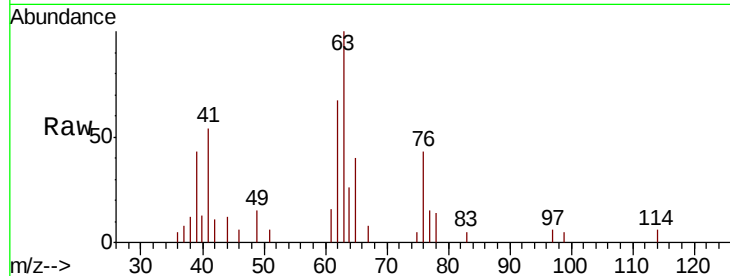
MDL02

Tot Ion: 63 Resp: 4526

Ion Ratio Lower Upper

63 100

112 0.9 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV018171.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV018171.D (-1568) (-)

2500

2000

1500

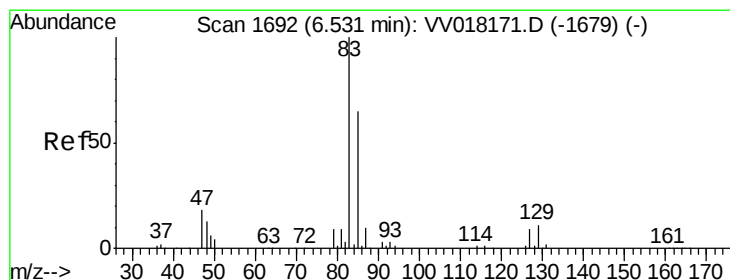
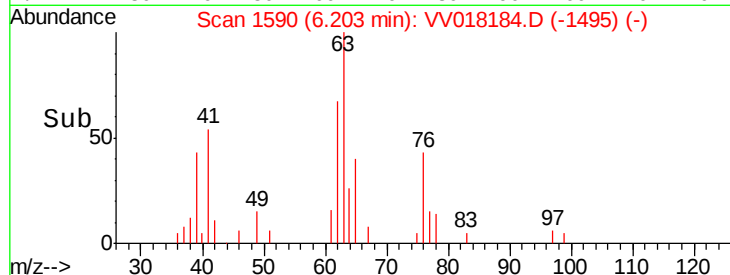
1000

500

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 2.087 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

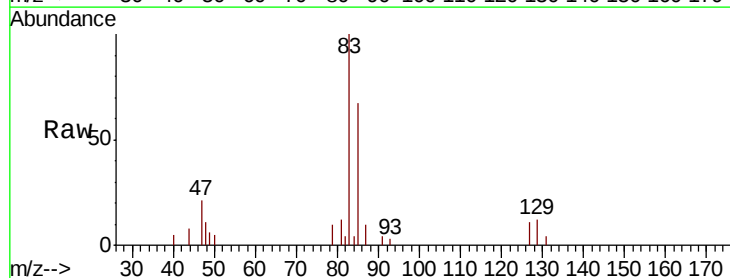
Tgt Ion: 83 Resp: 6029

Ion Ratio Lower Upper

83 100

85 66.5 44.7 82.9

127 10.9 6.7 10.1#



Abundance Ion 83.00 (82.70 to 83.70): VV018171.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018171.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018171.D (-1679) (-)

4000

3000

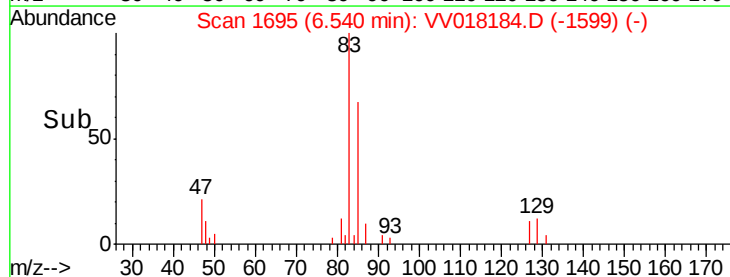
2000

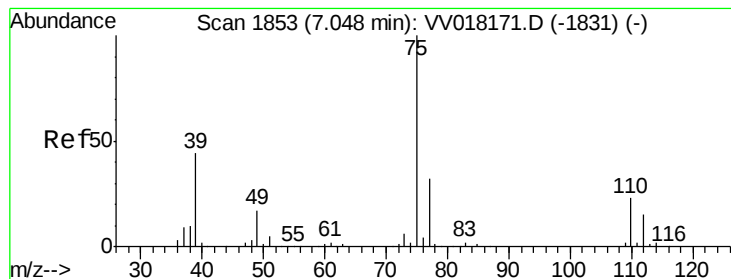
1000

0

6.50 6.55 6.60

Time-->



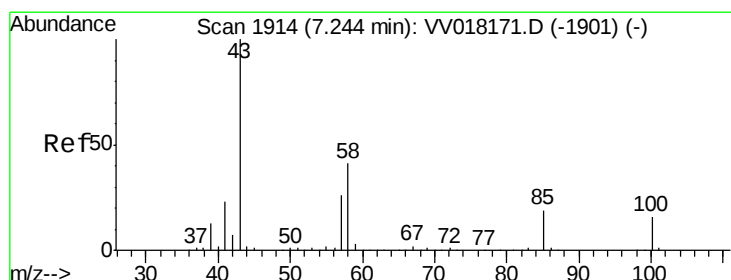
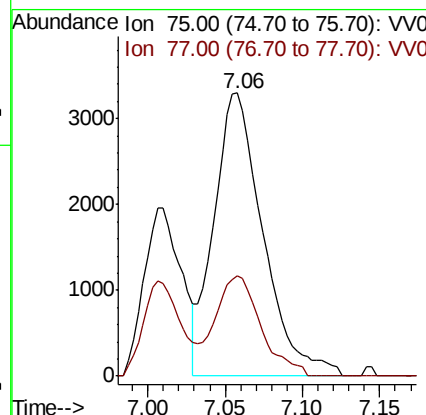
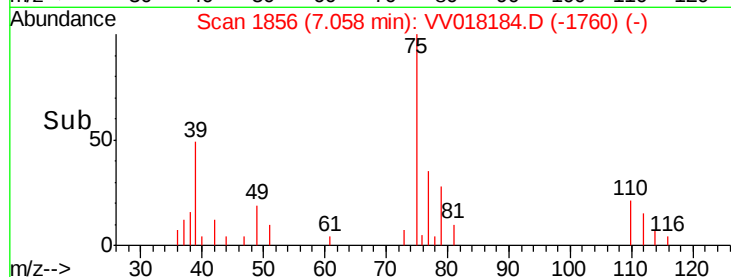
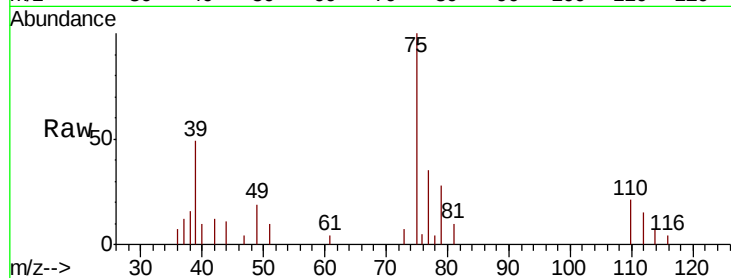


#39

cis-1,3-Dichloropropene
 Concen: 2.135 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

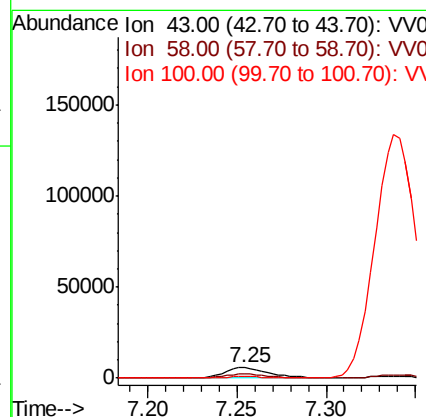
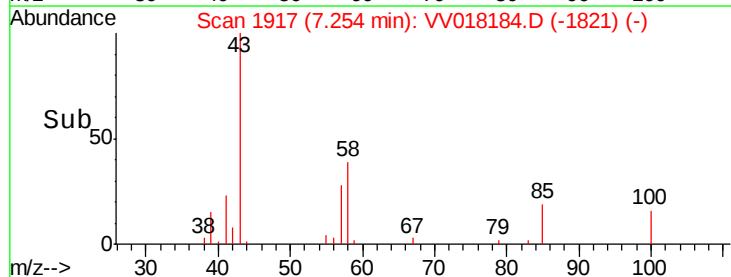
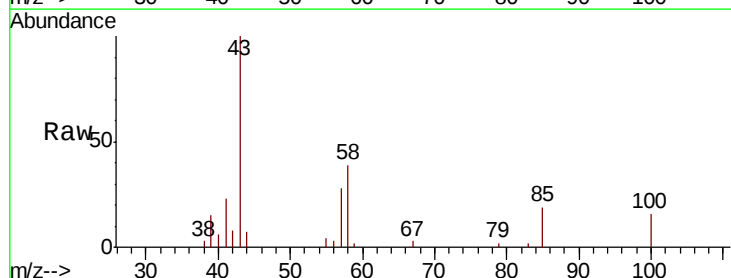
Tot Ion: 75 Resp: 7301
 Ion Ratio Lower Upper
 75 100
 77 35.5 22.3 41.3

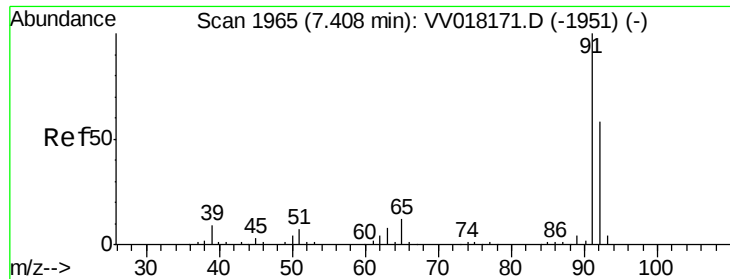


#40

4-Methyl-2-pentanone
 Concen: 3.862 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Tgt Ion: 43 Resp: 10400
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.4 48.6
 100 14.4 12.7 19.1





#42

Toluene

Concen: 2.235 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

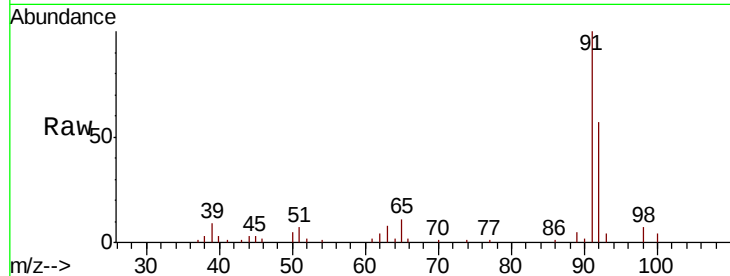
MDL02

Tot Ion: 91 Resp: 19818

Ion Ratio Lower Upper

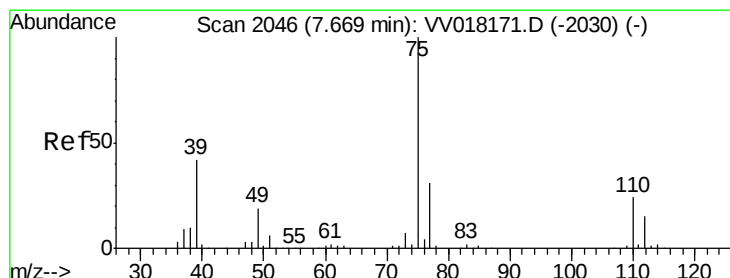
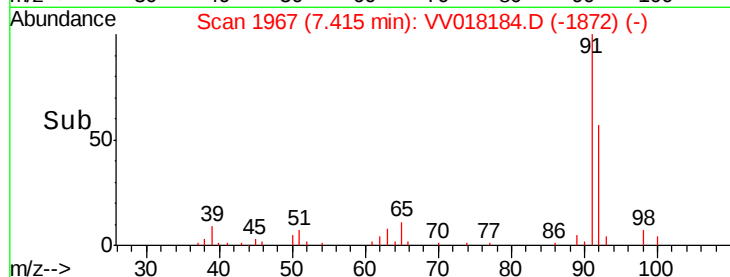
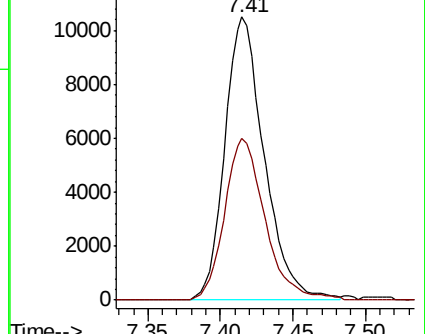
91 100

92 57.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.205 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018184.D

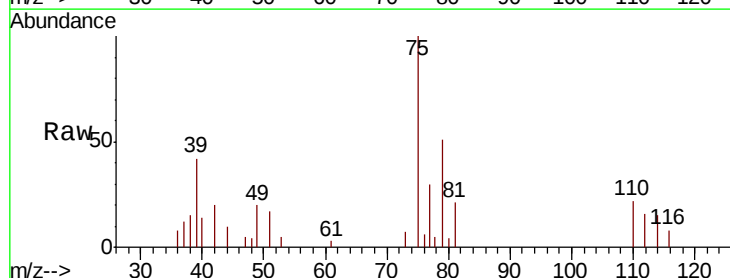
Acq: 10 Sep 2020 17:04

Tgt Ion: 75 Resp: 7344

Ion Ratio Lower Upper

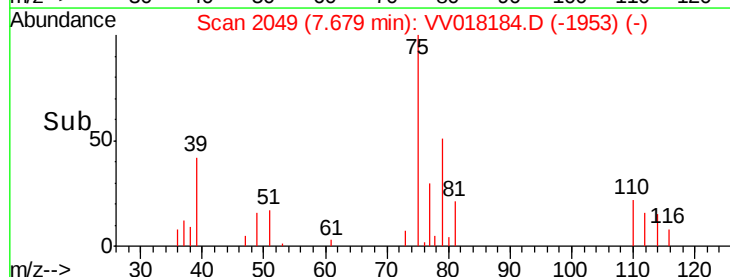
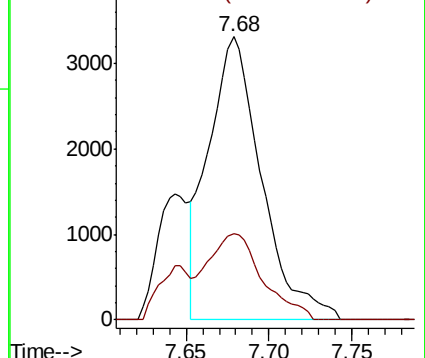
75 100

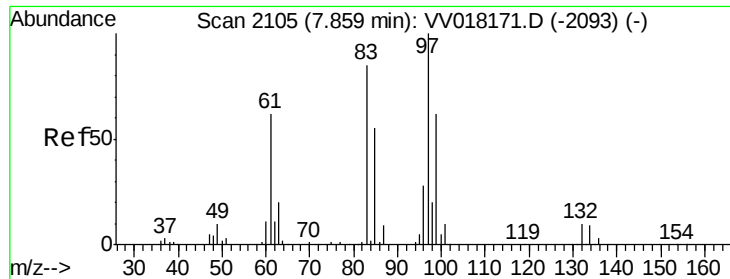
77 30.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

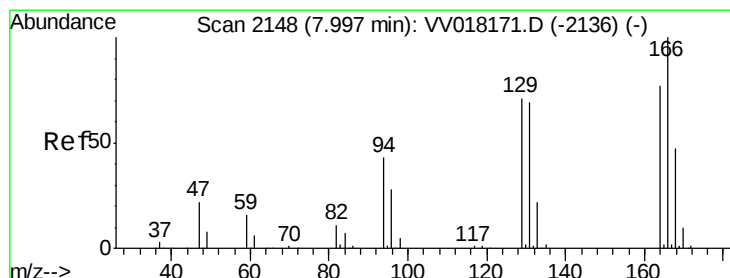
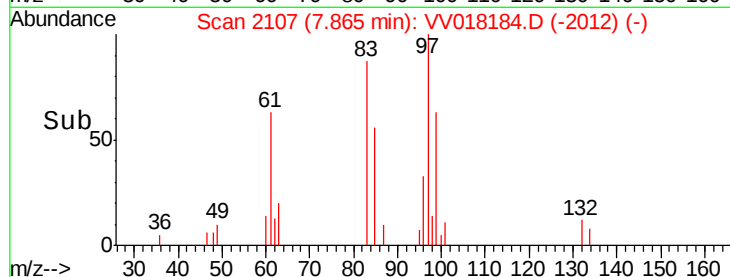
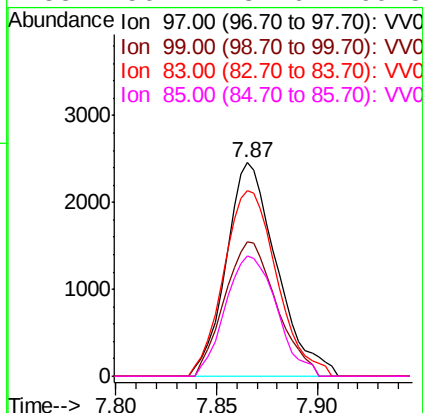
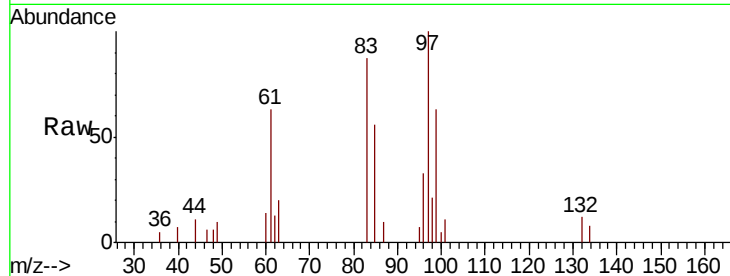




#45
 1,1,2-Trichloroethane
 Concen: 2.094 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

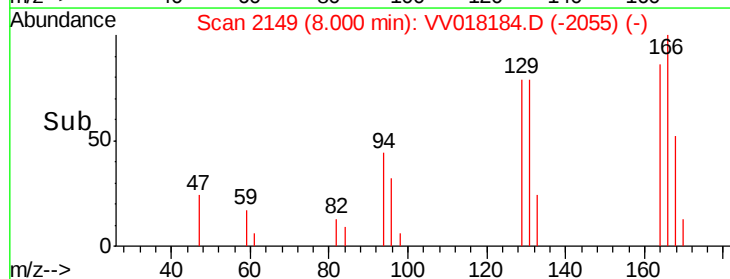
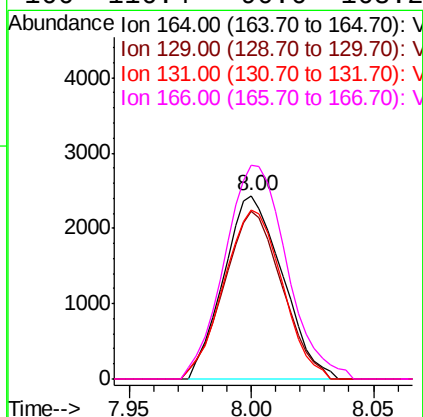
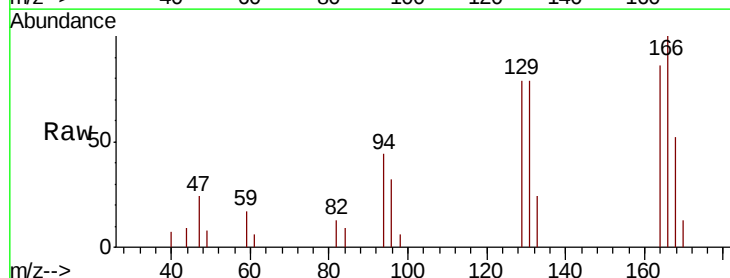
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

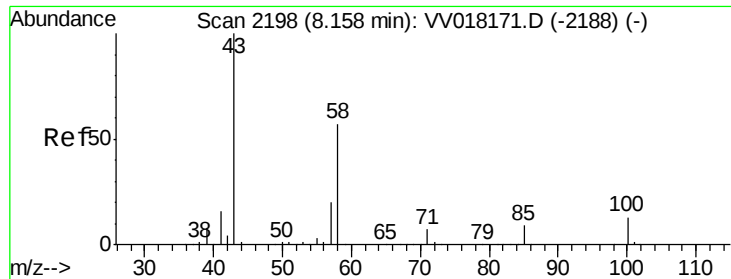
Tot Ion:	97	Resp:	4308
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.7	81.1
83	86.9	59.9	111.3
85	56.2	37.6	69.8



#46
 Tetrachloroethene
 Concen: 2.269 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Tgt Ion:	164	Resp:	4061
Ion	Ratio	Lower	Upper
164	100		
129	91.5	64.5	119.7
131	92.2	61.8	114.8
166	116.4	90.6	168.2

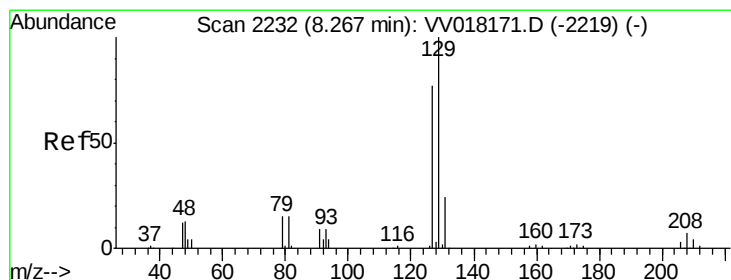
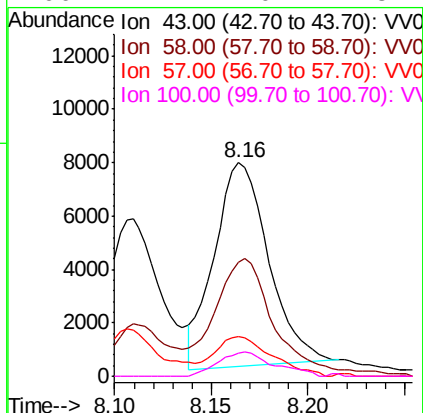
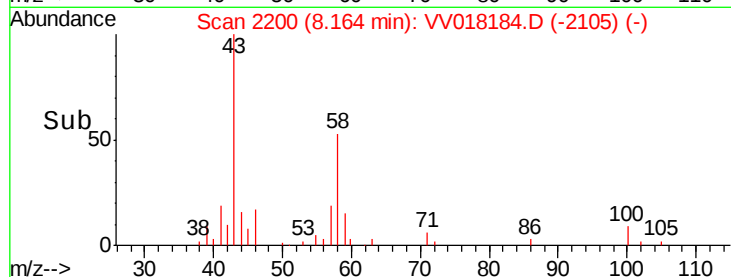
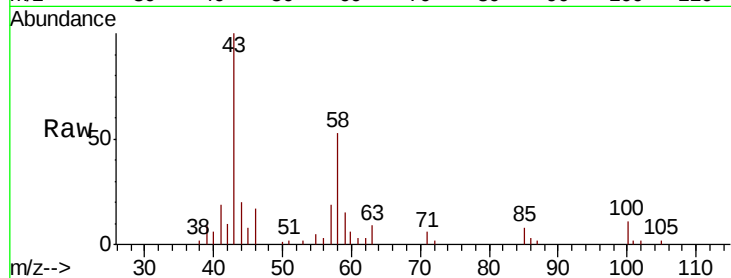




#48
2-Hexanone
Concen: 7.034 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

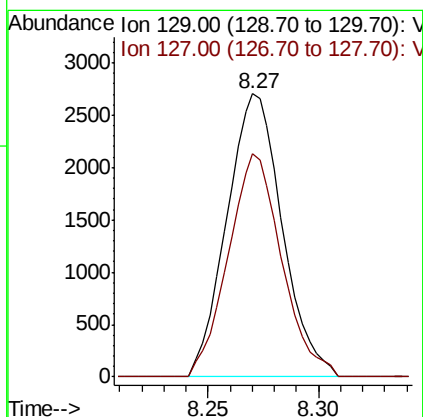
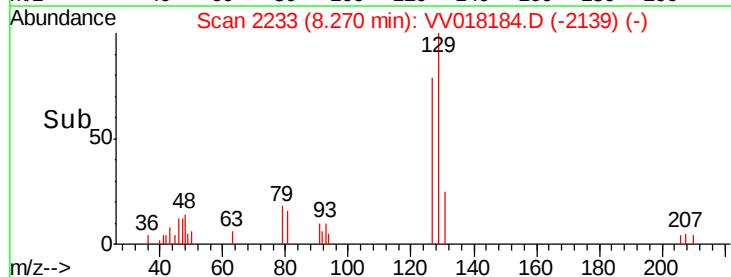
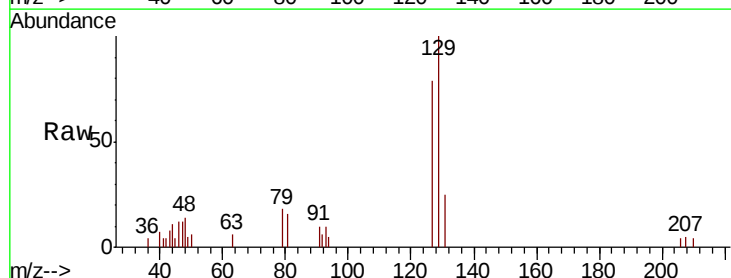
Instrument :
MSVOA_V
ClientSampleId :
MDL02

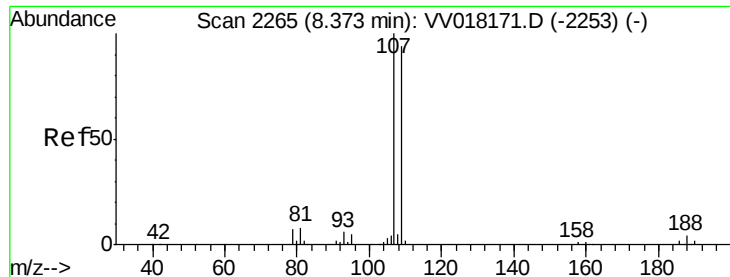
Tot Ion: 43 Resp: 14935
Ion Ratio Lower Upper
43 100
58 64.6 44.8 67.2
57 20.6 15.8 23.6
100 12.2 10.2 15.4



#49
Dibromochloromethane
Concen: 2.041 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion: 129 Resp: 4713
Ion Ratio Lower Upper
129 100
127 78.8 54.5 101.1

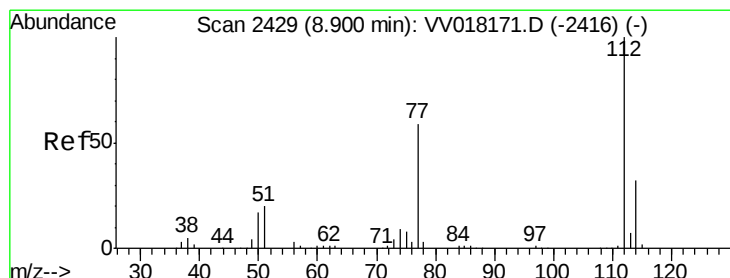
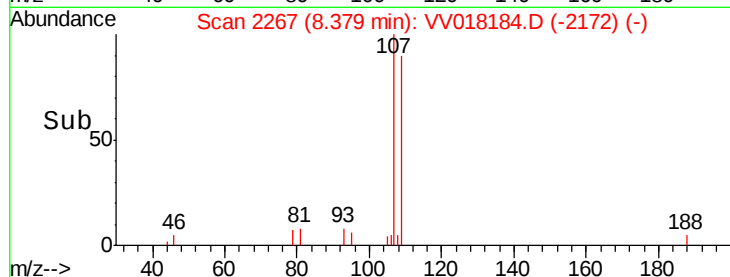
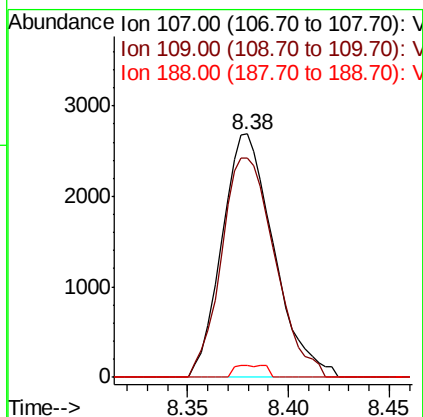
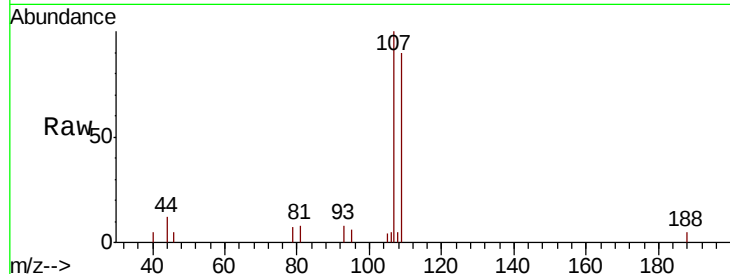




#50
1,2-Dibromoethane
Concen: 2.233 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

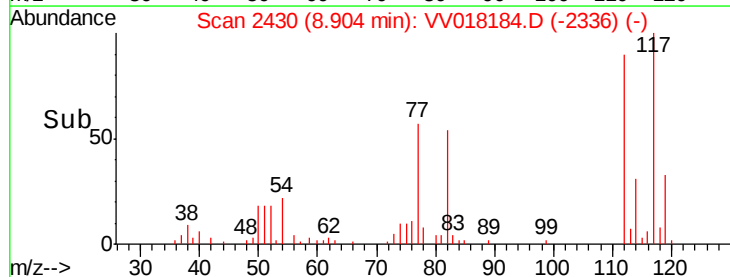
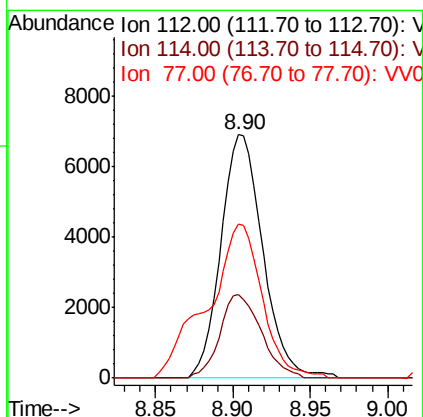
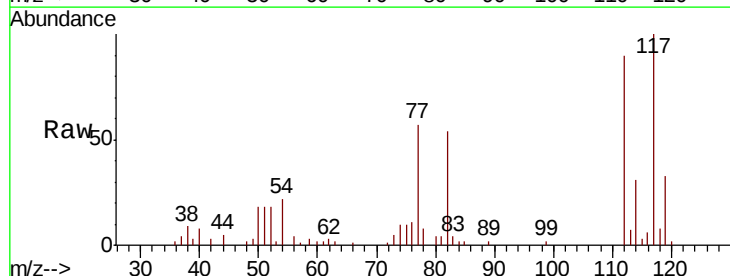
Instrument :
MSVOA_V
ClientSampleId :
MDL02

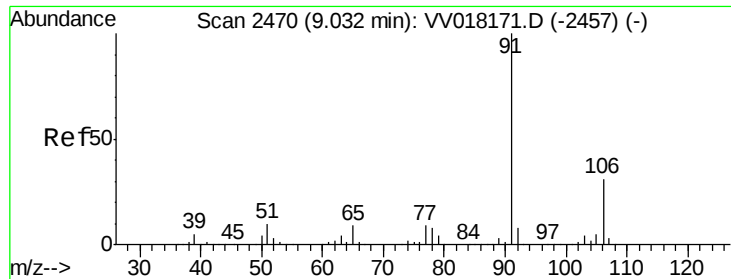
Tot Ion:107 Resp: 4836
Ion Ratio Lower Upper
107 100
109 90.0 66.1 122.8
188 5.1 3.2 4.8#



#51
Chlorobenzene
Concen: 2.259 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion:112 Resp: 13006
Ion Ratio Lower Upper
112 100
114 34.2 22.6 42.0
77 63.1 48.0 72.0





#52

Ethylbenzene

Concen: 2.061 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

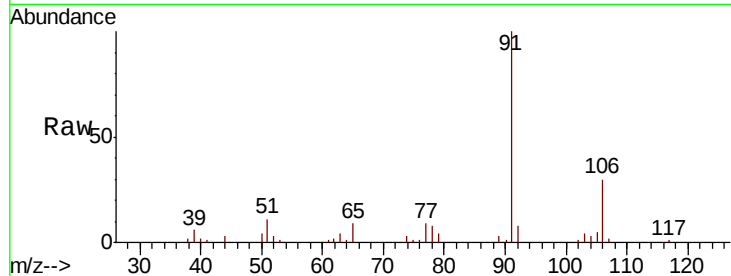
MDL02

Tot Ion: 91 Resp: 19950

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018184.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018184.D (-2377) (-)

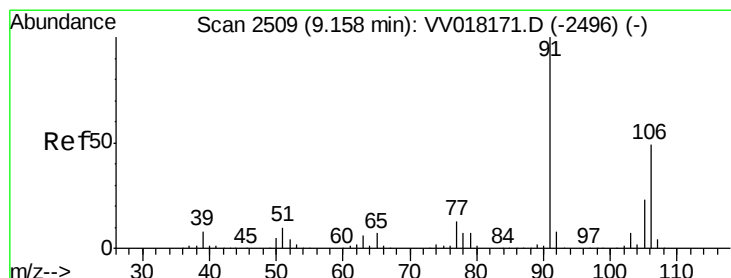
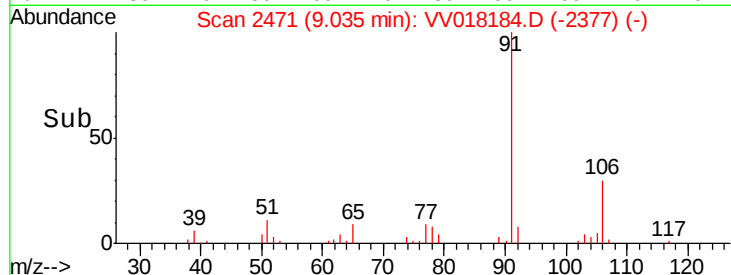
9.04

10000

5000

0

Time-->



#53

m,p-Xylene

Concen: 2.049 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018184.D

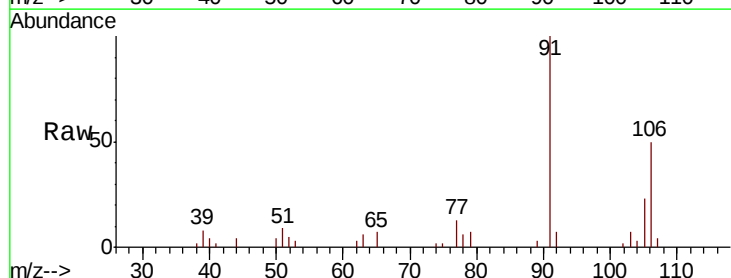
Acq: 10 Sep 2020 17:04

Tgt Ion: 106 Resp: 7404

Ion Ratio Lower Upper

106 100

91 198.7 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018184.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018184.D (-2416) (-)

9.16

10000

8000

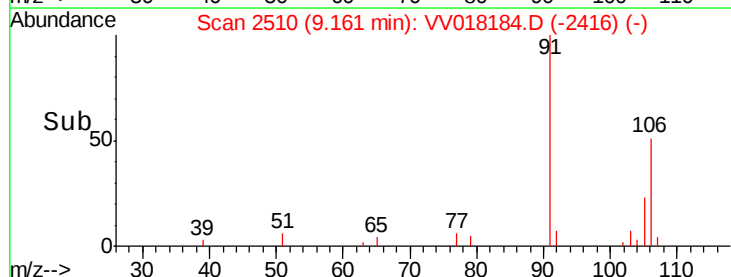
6000

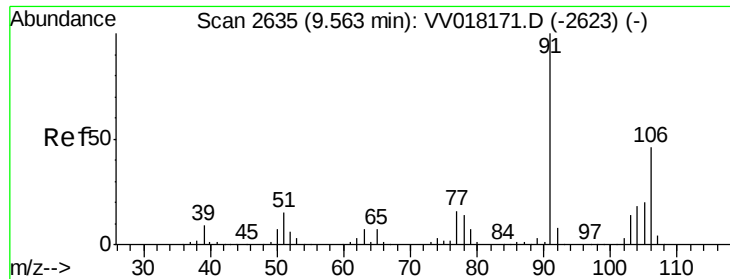
4000

2000

0

Time-->

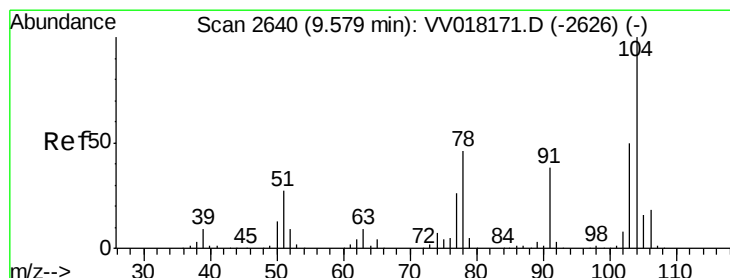
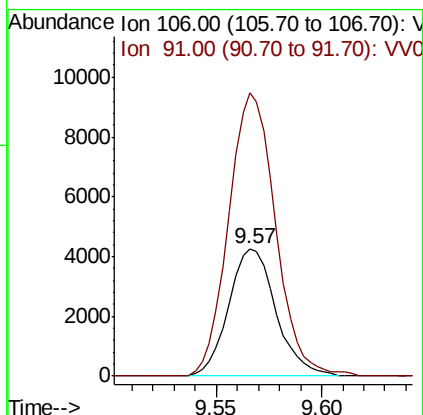
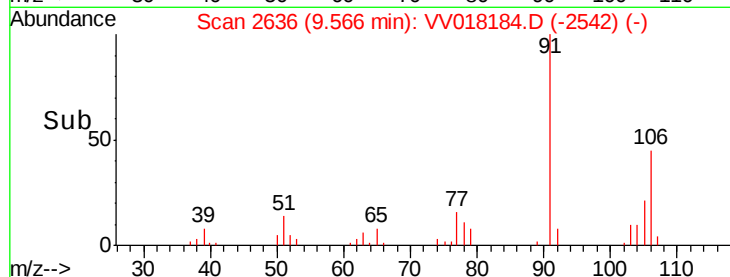
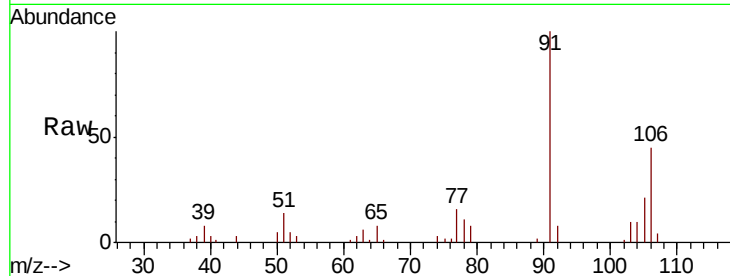




#54
o-xylene
Concen: 1.905 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

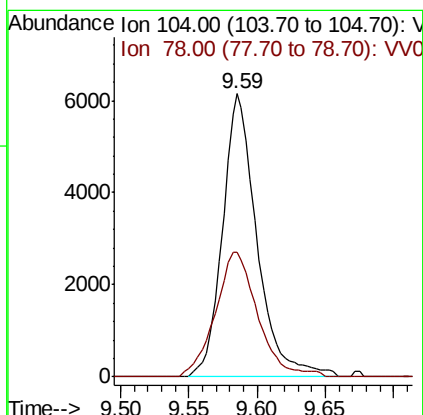
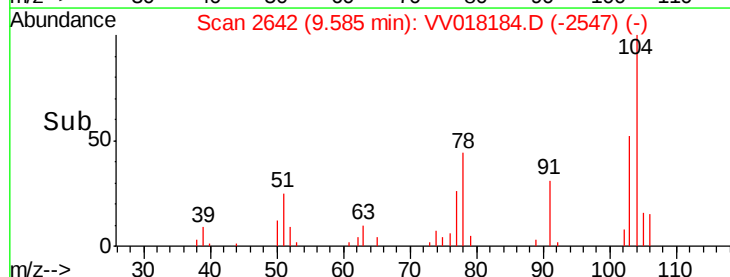
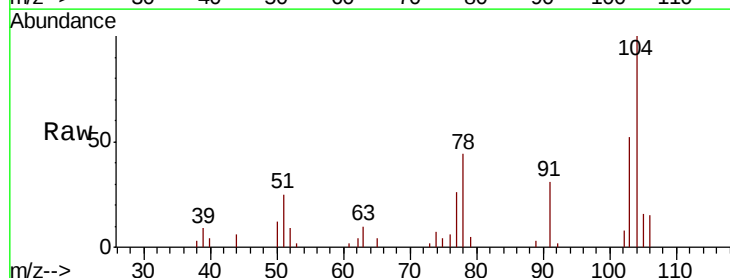
Instrument :
MSVOA_V
ClientSampled :
MDL02

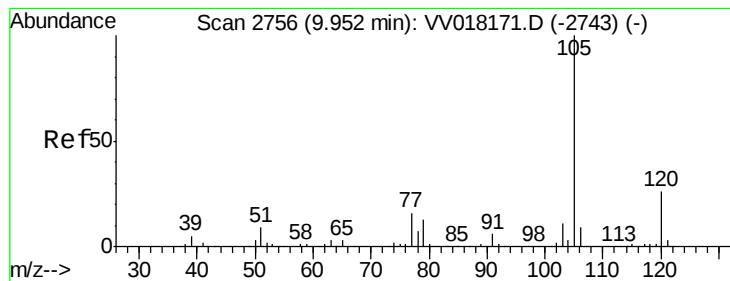
Tot Ion:106 Resp: 6632
Ion Ratio Lower Upper
106 100
91 221.6 152.2 282.6



#55
Styrene
Concen: 1.784 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018184.D
Acq: 10 Sep 2020 17:04

Tgt Ion:104 Resp: 10790
Ion Ratio Lower Upper
104 100
78 43.9 31.4 58.2





#56

Isopropylbenzene

Concen: 1.908 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

MDL02

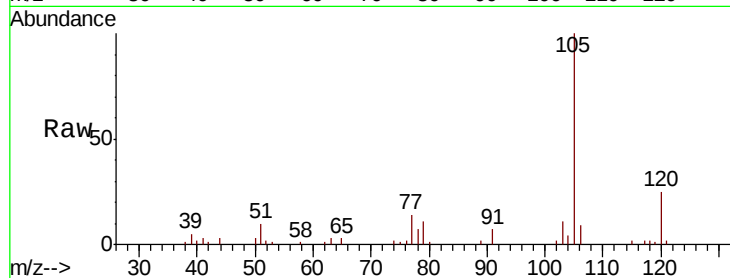
Tot Ion:105 Resp: 17896

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

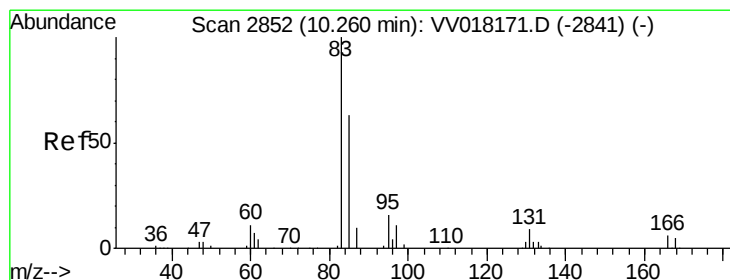
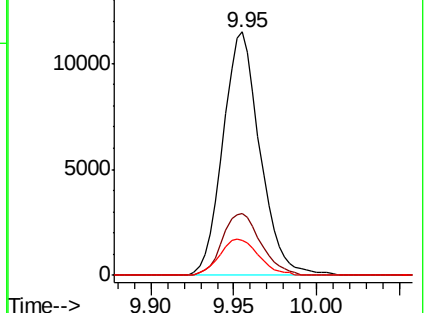
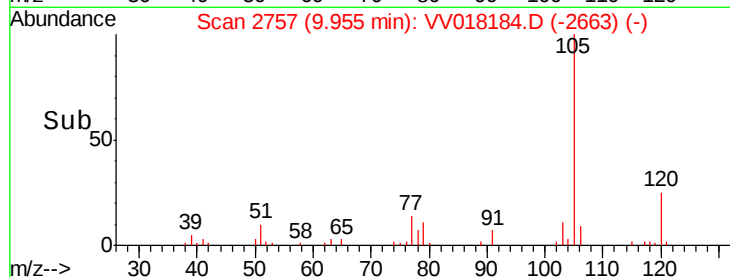
77 15.6 12.5 18.7



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: 2.399 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

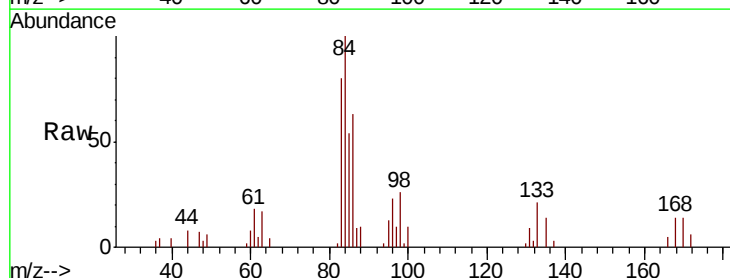
Tgt Ion: 83 Resp: 7301

Ion Ratio Lower Upper

83 100

85 67.5 45.8 85.2

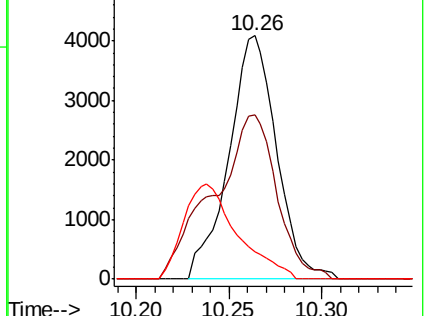
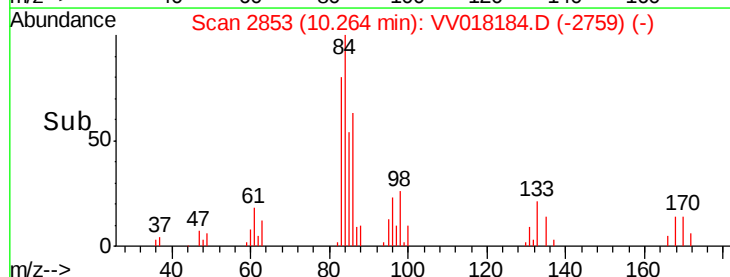
131 11.1 8.0 12.0

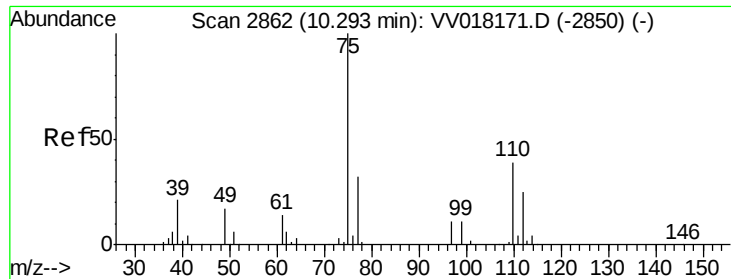


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.243 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

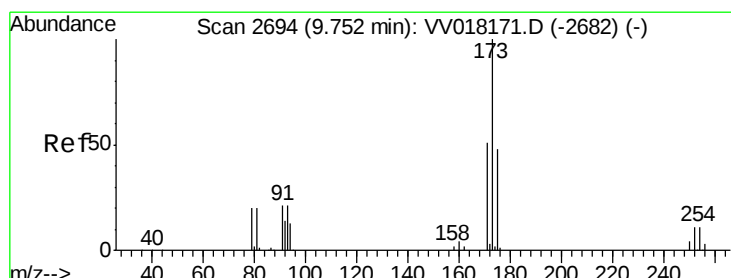
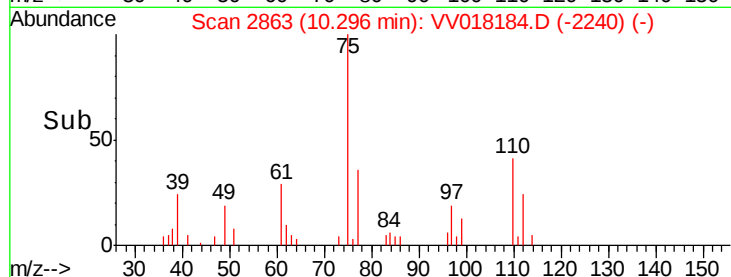
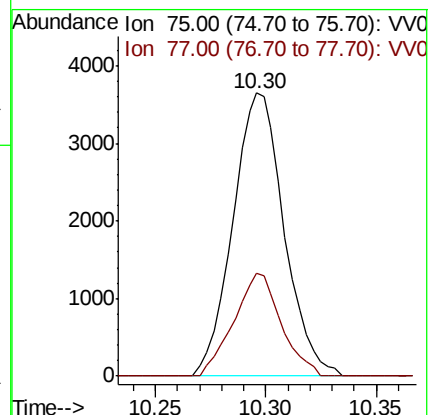
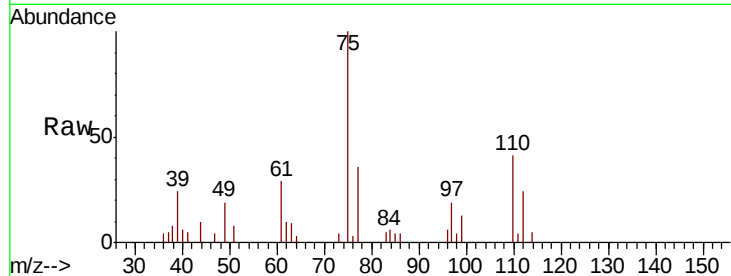
MDL02

Tot Ion: 75 Resp: 5856

Ion Ratio Lower Upper

75 100

77 33.7 25.8 38.6



#61

Bromoform

Concen: 1.974 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

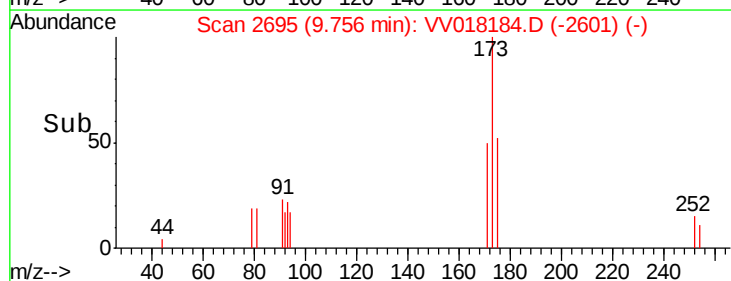
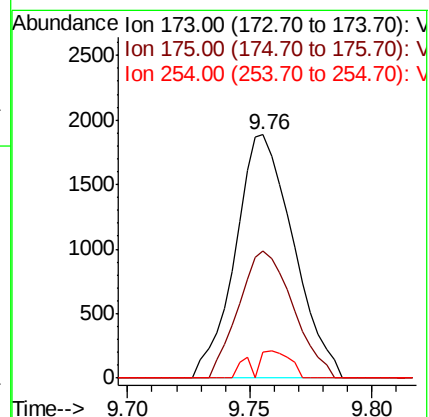
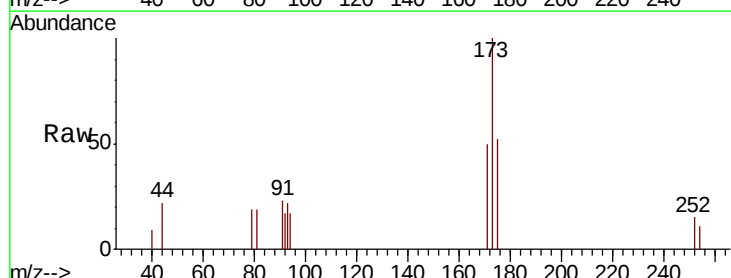
Tgt Ion: 173 Resp: 3113

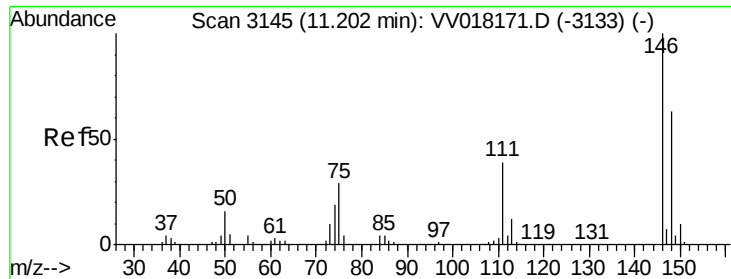
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 5.5 9.0 13.4#

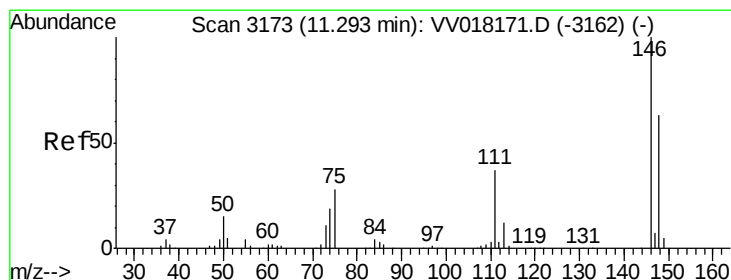
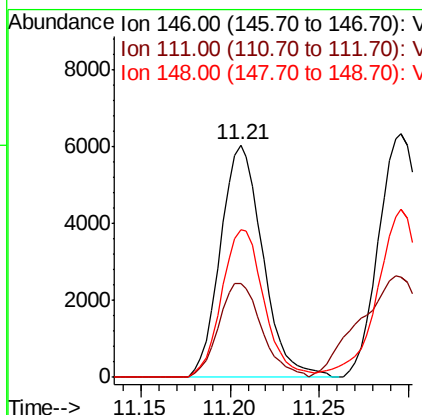
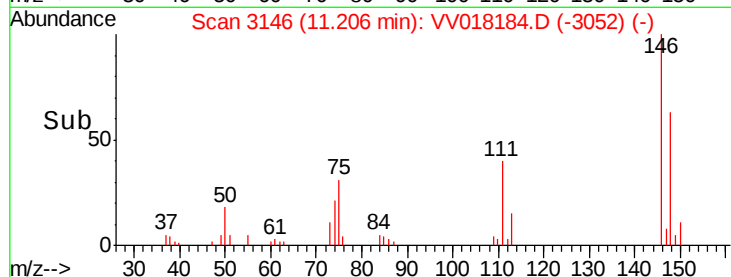
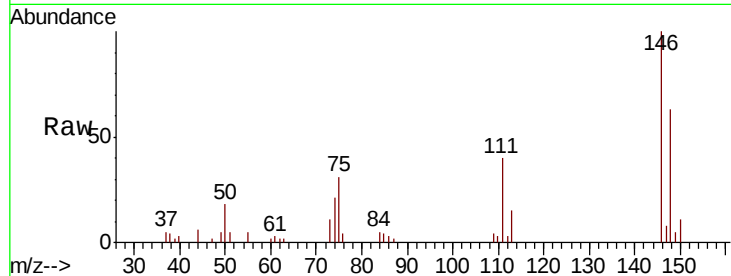




#62
 1,3-Dichlorobenzene
 Concen: 2.279 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

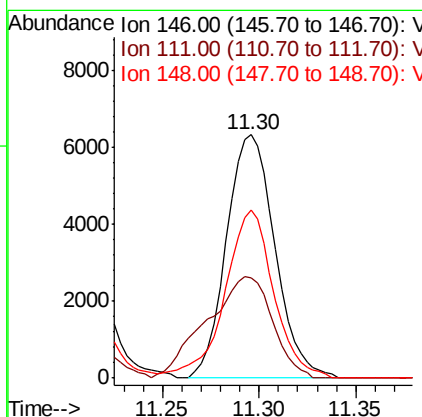
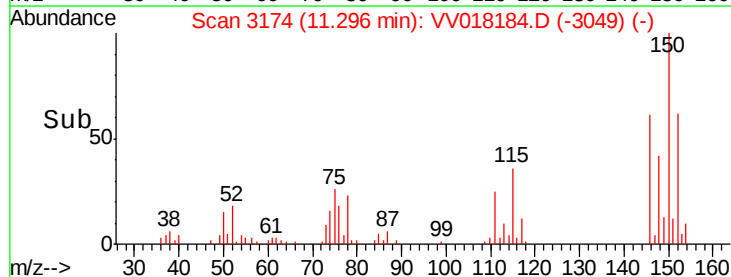
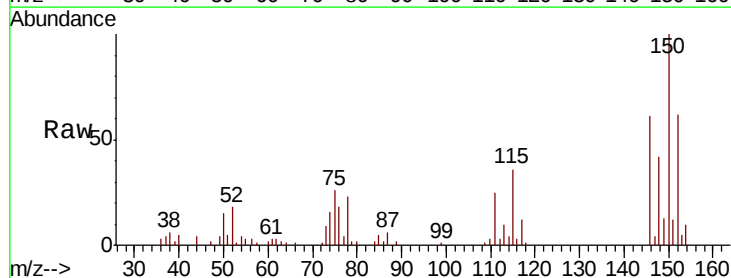
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

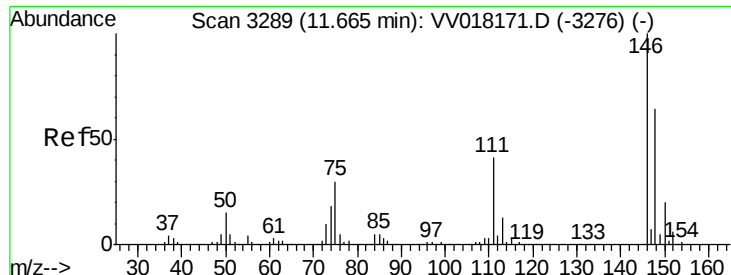
Tot Ion:146 Resp: 9948
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.6 51.2
 148 63.5 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 2.459 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Tgt Ion:146 Resp: 11030
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.1 50.3
 148 68.9 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 2.482 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

MDL02

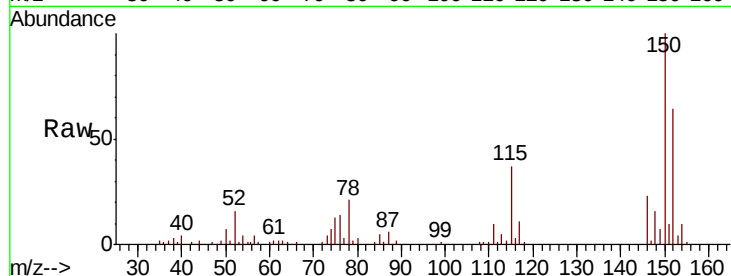
Tot Ion:146 Resp: 10949

Ion Ratio Lower Upper

146 100

111 45.2 32.8 49.2

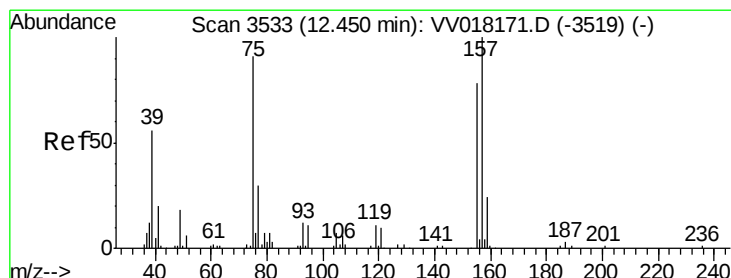
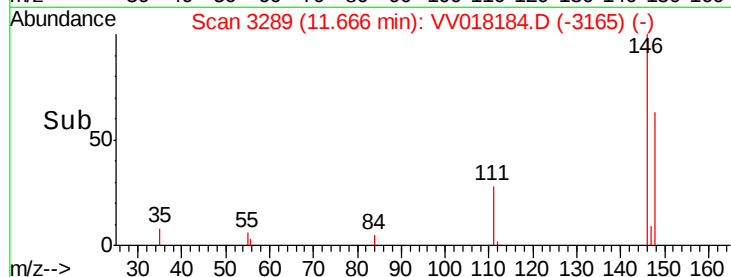
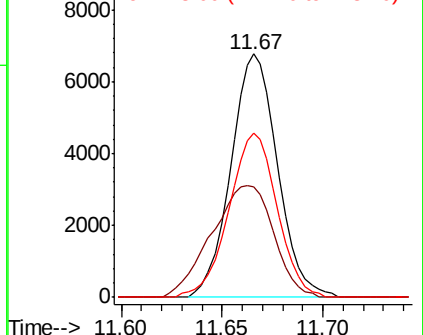
148 67.5 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.818 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

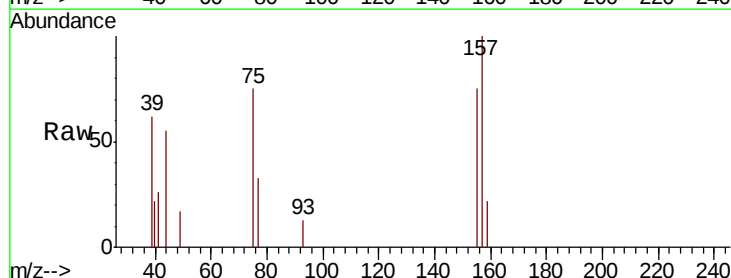
Tgt Ion: 75 Resp: 1132

Ion Ratio Lower Upper

75 100

155 99.4 69.7 104.5

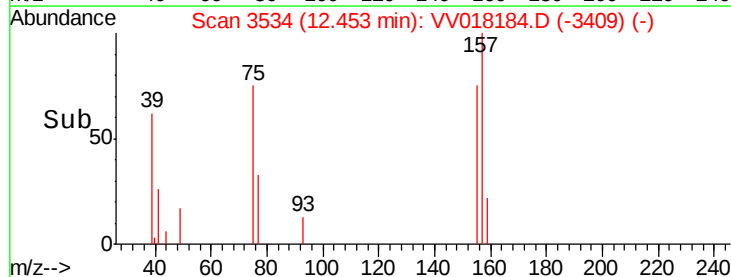
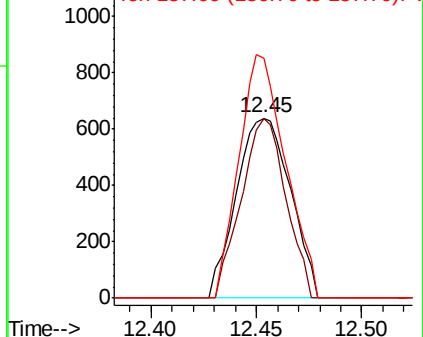
157 133.0 88.2 132.4#

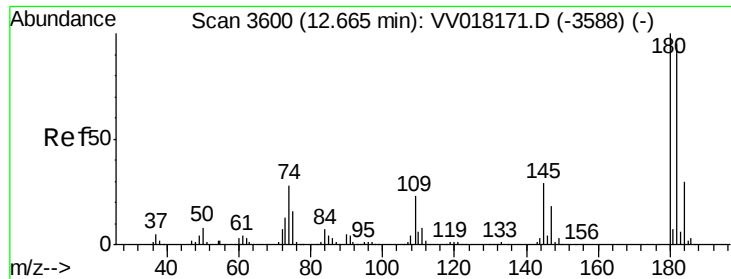


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

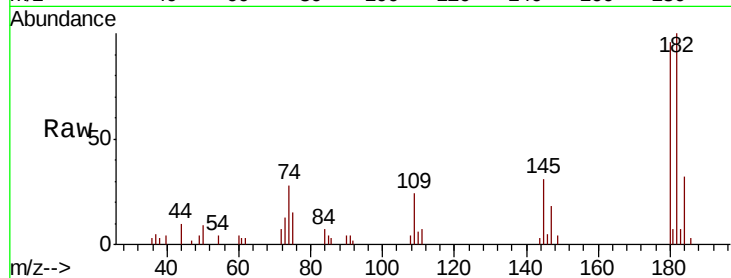




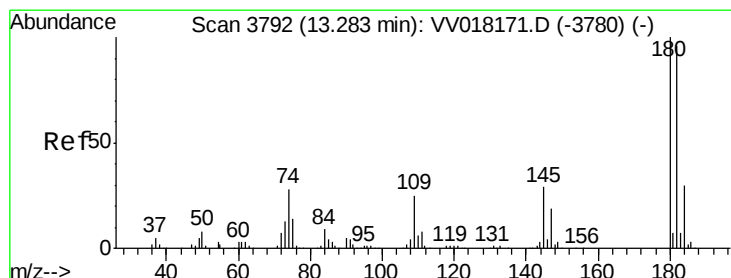
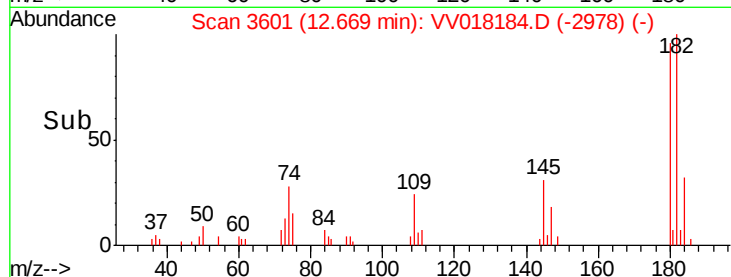
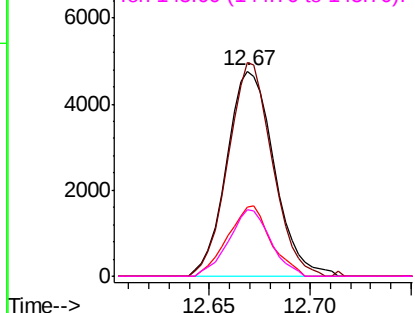
#67
 1,3,5-Trichlorobenzene
 Concen: 2.288 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:180 Resp: 7872
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.8 115.2
 184 31.0 24.6 36.8
 145 28.7 22.7 34.1

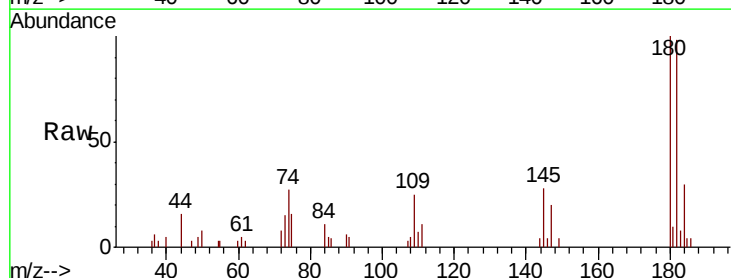


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

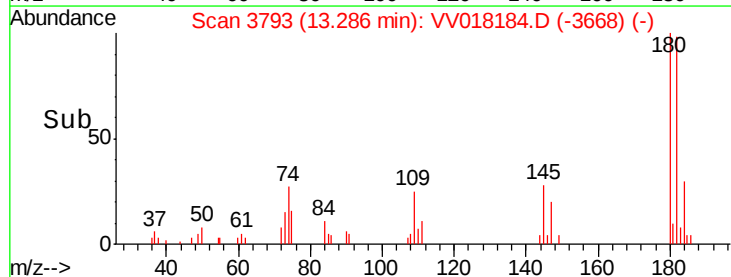
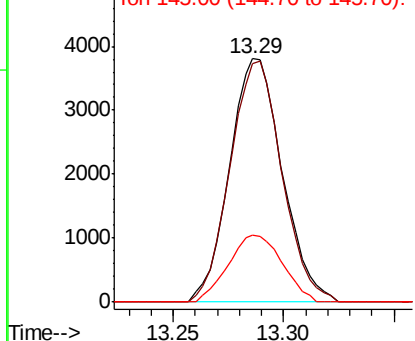


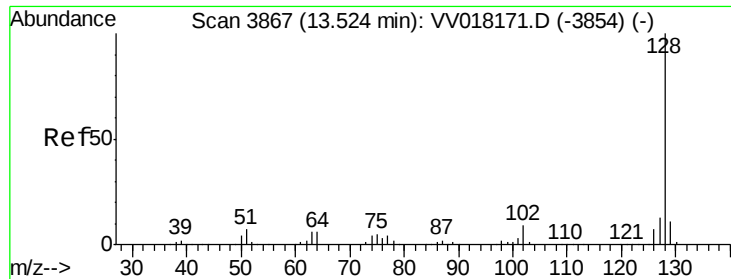
#68
 1,2,4-trichlorobenzene
 Concen: 2.061 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018184.D
 Acq: 10 Sep 2020 17:04

Tgt Ion:180 Resp: 6314
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.4 116.2
 145 28.1 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: 1.666 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

MDL02

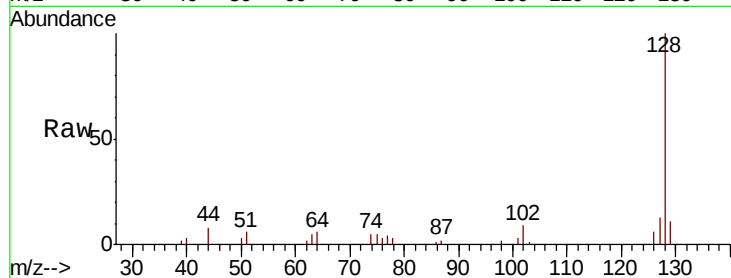
Tot Ion:128 Resp: 12916

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

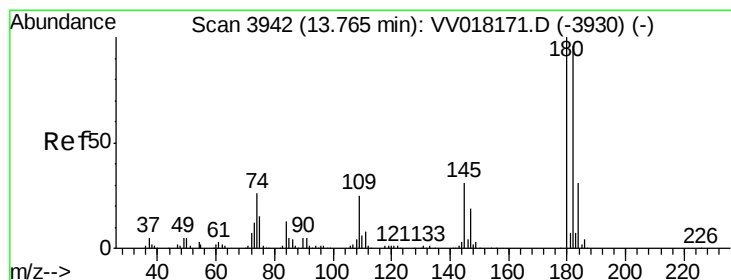
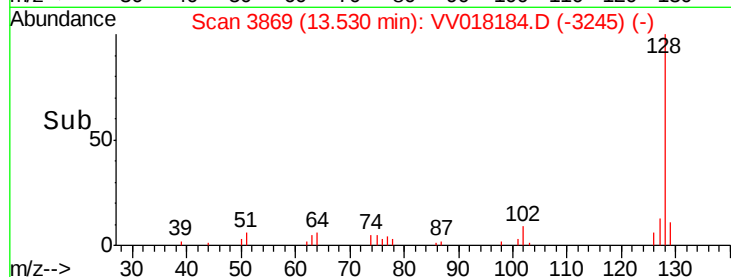
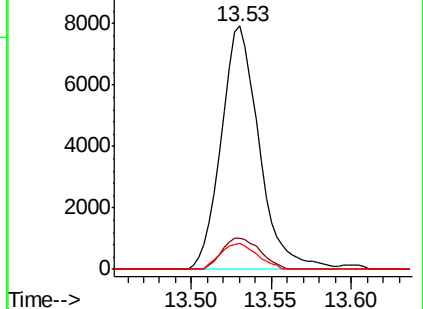
129 10.3 8.6 13.0



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: 2.032 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018184.D

Acq: 10 Sep 2020 17:04

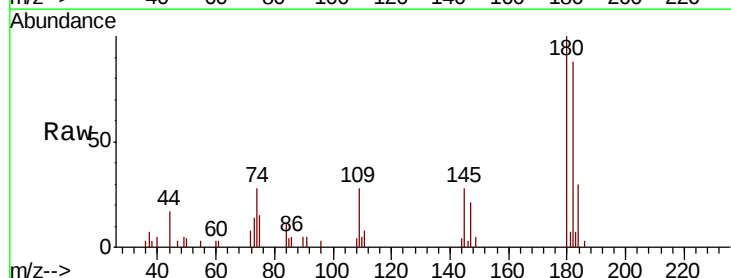
Tgt Ion:180 Resp: 6132

Ion Ratio Lower Upper

180 100

182 92.8 76.5 114.7

145 29.4 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

