

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090220\
 Data File : VX018216.D
 Acq On : 02 Sep 2020 15:04
 Operator : JC/SP
 Sample : MDL04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Quant Time: Sep 03 04:59:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 04:54:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	672094	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	642904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	294677	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	252738	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.20%
7) Chloroethane-d5	1.70	69	190880	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.58%
11) 1,1-Dichloroethene-d2	2.34	63	390413	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
21) 2-Butanone-d5	4.54	46	353779	94.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.23%
24) Chloroform-d	5.14	84	483355	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
26) 1,2-Dichloroethane-d4	6.03	65	349604	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	6.05	84	950735	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	7.37	67	305674	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.82%
41) Toluene-d8	8.70	98	872136	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	8.99	79	164642	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
47) 2-Hexanone-d5	9.43	63	259495	97.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.54%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	385729	47.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.30%
64) 1,2-Dichlorobenzene-d4	12.36	152	340361	53.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.34%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.18	85	10799	1.889 ug/L 99
3) Chloromethane	1.31	50	10350	1.976 ug/L 92
6) Bromomethane	1.64	94	7035	2.362 ug/L 97
9) Trichlorofluoromethane	1.92	101	16778	1.941 ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12374	2.633 ug/L # 79
13) Acetone	2.43	43	9662	4.515 ug/L 84
14) Carbon disulfide	2.56	76	28661	2.047 ug/L 95
16) Methylene chloride	2.84	84	12812	2.556 ug/L 95
17) trans-1,2-Dichloroethene	3.14	96	8752	1.846 ug/L 88
18) Methyl tert-butyl Ether	3.17	73	26192	1.769 ug/L 96
19) 1,1-Dichloroethane	3.67	63	17109	1.925 ug/L 97
20) cis-1,2-Dichloroethene	4.57	96	9337	1.842 ug/L # 95
22) 2-Butanone	4.65	43	7485	2.133 ug/L 85
23) Bromochloromethane	4.98	128	3477	1.226 ug/L 90
25) Chloroform	5.17	83	17064	1.678 ug/L 98
27) 1,2-Dichloroethane	6.17	62	16277	2.113 ug/L # 86
29) Cyclohexane	5.56	56	12558	1.775 ug/L # 21

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

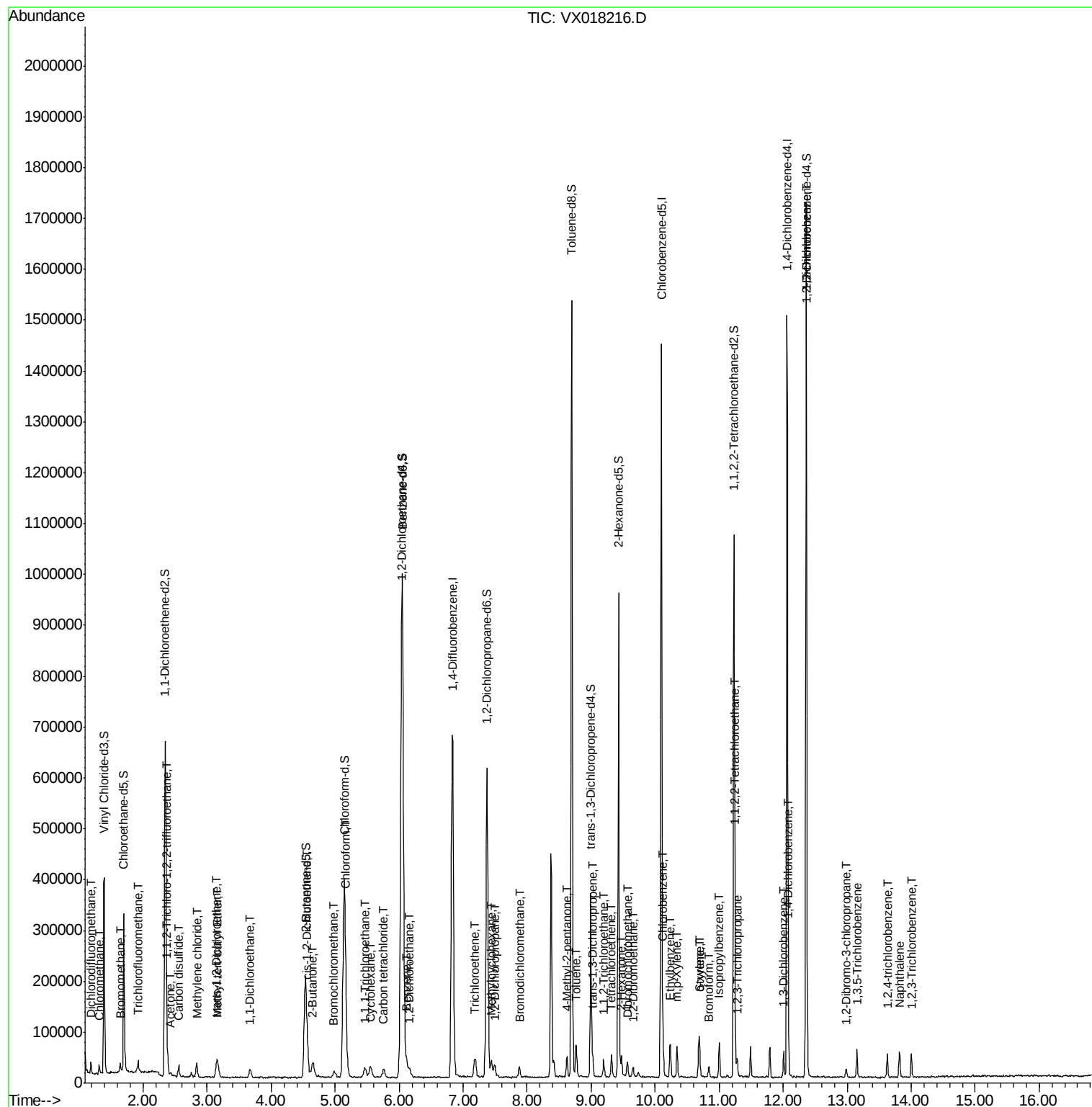
30) 1,1,1-Trichloroethane	5.46	97	17412	1.972	ug/L #	94
31) Carbon tetrachloride	5.76	117	15901	1.978	ug/L	97
33) Benzene	6.11	78	35830	1.926	ug/L	100
34) Trichloroethene	7.19	95	9816	1.880	ug/L	90
35) Methylcyclohexane	7.45	83	12014	1.655	ug/L	96
37) 1,2-Dichloropropane	7.50	63	9798	1.989	ug/L	99
38) Bromodichloromethane	7.88	83	13510	1.926	ug/L #	96
40) 4-Methyl-2-pentanone	8.62	43	23502	3.519	ug/L	96
42) Toluene	8.77	91	39670	1.987	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	15540	1.923	ug/L	87
45) 1,1,2-Trichloroethane	9.20	97	9452	1.911	ug/L	88
46) Tetrachloroethene	9.32	164	8008	1.924	ug/L	86
48) 2-Hexanone	9.48	43	20285	3.757	ug/L #	96
49) Dibromochloromethane	9.57	129	11243	1.855	ug/L	90
50) 1,2-Dibromoethane	9.66	107	10070	1.923	ug/L #	89
51) Chlorobenzene	10.12	112	25975	1.910	ug/L	97
52) Ethylbenzene	10.24	91	36662	1.647	ug/L	100
53) m,p-Xylene	10.34	106	14219	1.672	ug/L	95
54) o-xylene	10.68	106	13041	1.607	ug/L	96
55) Styrene	10.70	104	21915	1.563	ug/L	100
56) Isopropylbenzene	11.01	105	33300	1.534	ug/L	98
58) 1,1,2,2-Tetrachloroethane	11.25	83	15409	2.122	ug/L #	88
59) 1,2,3-Trichloropropane	11.28	75	11288	1.794	ug/L	97
61) Bromoform	10.84	173	8043	1.925	ug/L #	97
62) 1,3-Dichlorobenzene	12.01	146	17801	1.839	ug/L	91
63) 1,4-Dichlorobenzene	12.09	146	20067	2.037	ug/L	95
65) 1,2-Dichlorobenzene	12.37	146	20040	2.149	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.98	75	3558	2.040	ug/L #	87
67) 1,3,5-Trichlorobenzene	13.15	180	12195	1.931	ug/L	95
68) 1,2,4-trichlorobenzene	13.63	180	10776	1.849	ug/L	94
69) Naphthalene	13.82	128	28443	1.544	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.01	180	11139	1.911	ug/L	91

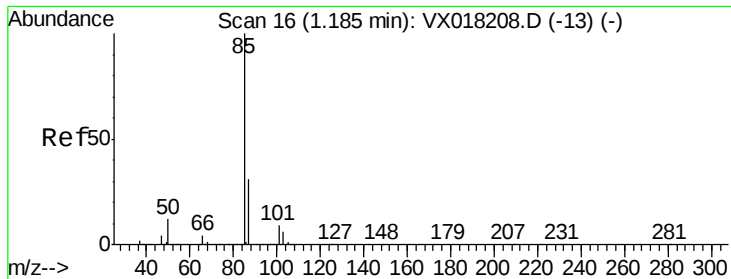
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.889 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

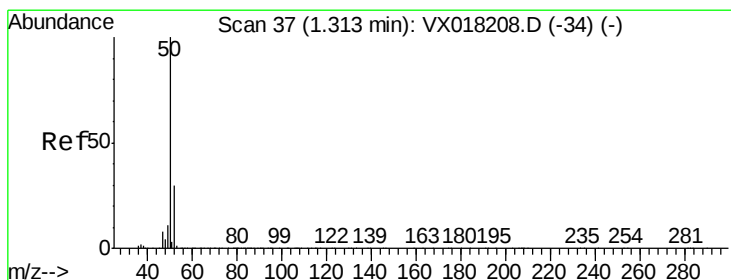
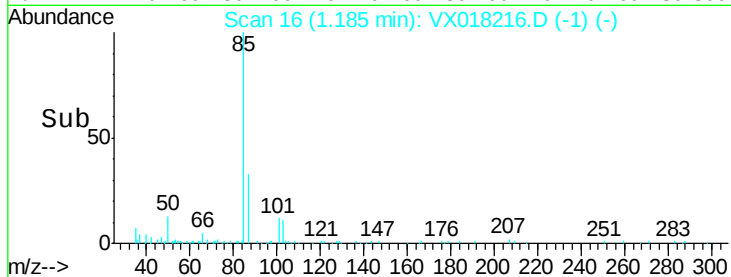
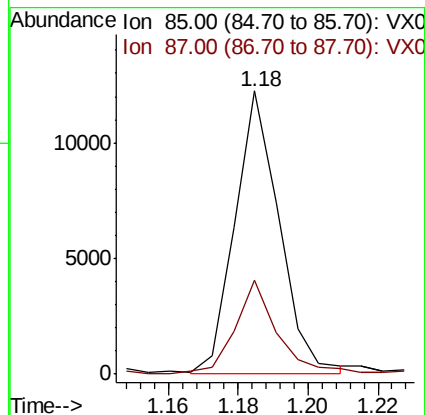
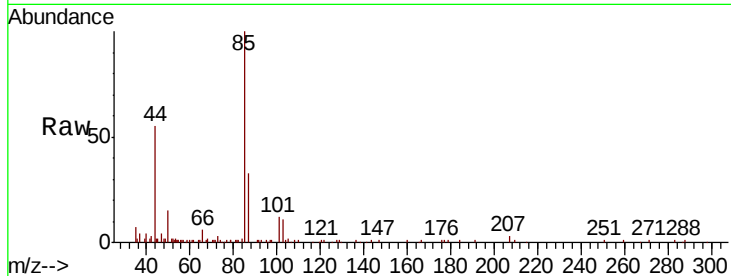
MDL04

Tot Ion: 85 Resp: 10799

Ion Ratio Lower Upper

85 100

87 31.9 25.2 37.8



#3

Chloromethane

Concen: 1.976 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018216.D

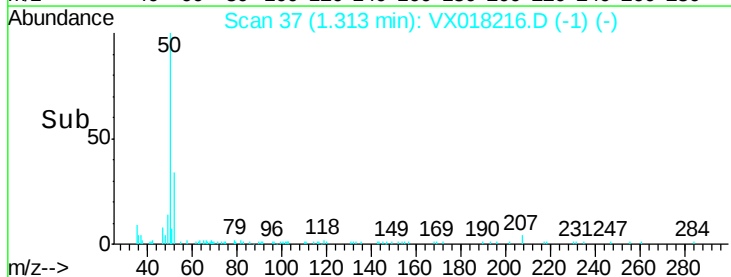
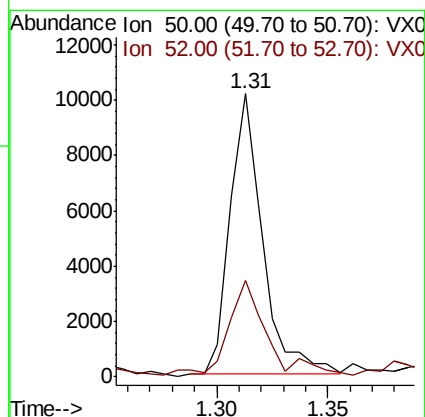
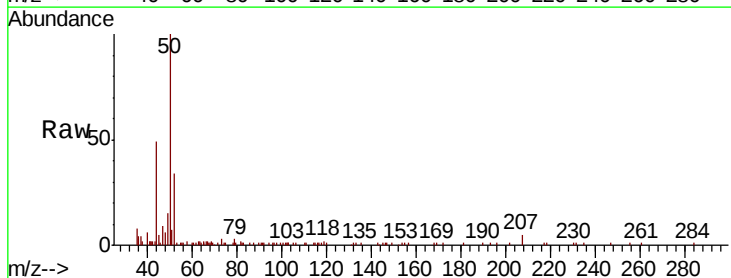
Acq: 02 Sep 2020 15:04

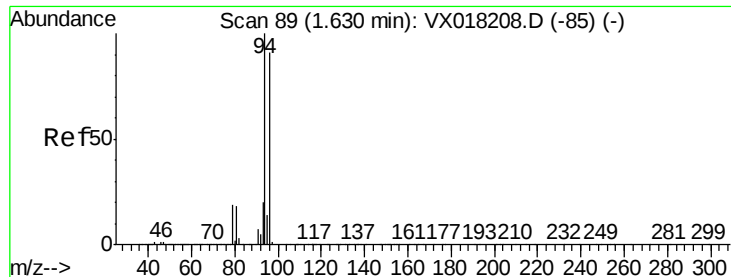
Tgt Ion: 50 Resp: 10350

Ion Ratio Lower Upper

50 100

52 34.1 21.0 39.0





#6

Bromomethane

Concen: 2.362 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

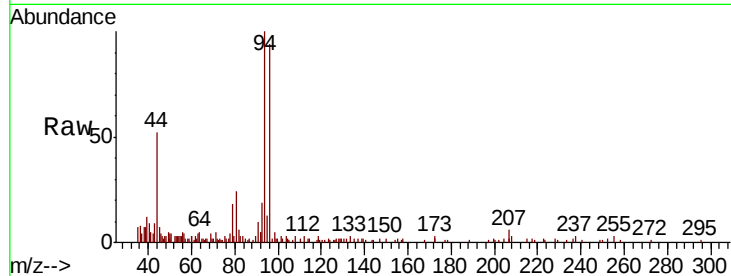
MDL04

Tot Ion: 94 Resp: 7035

Ion Ratio Lower Upper

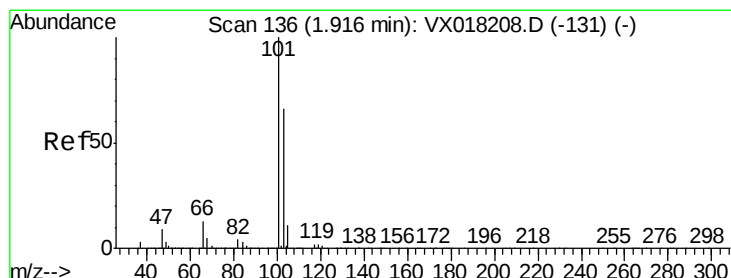
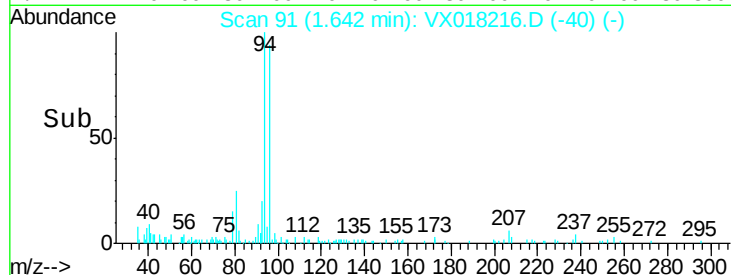
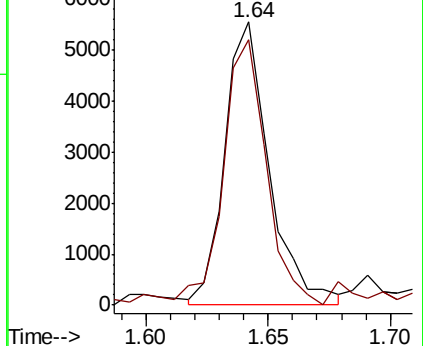
94 100

96 94.0 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#9

Trichlorofluoromethane

Concen: 1.941 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX018216.D

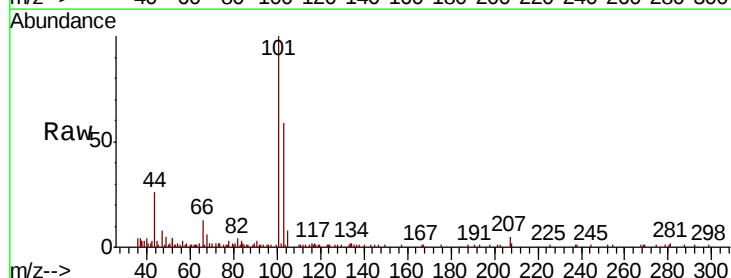
Acq: 02 Sep 2020 15:04

Tgt Ion: 101 Resp: 16778

Ion Ratio Lower Upper

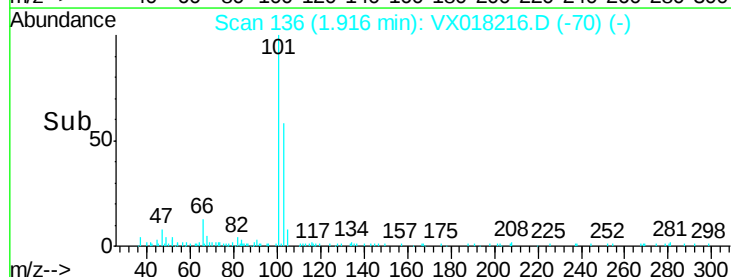
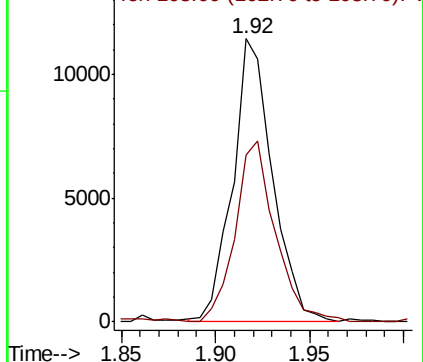
101 100

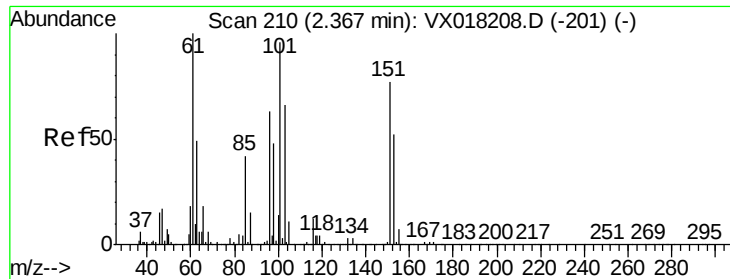
103 64.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.633 ug/L

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL04

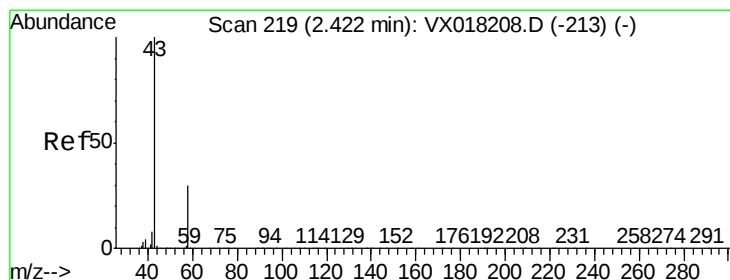
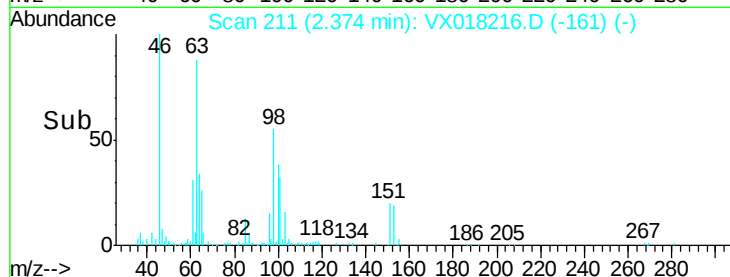
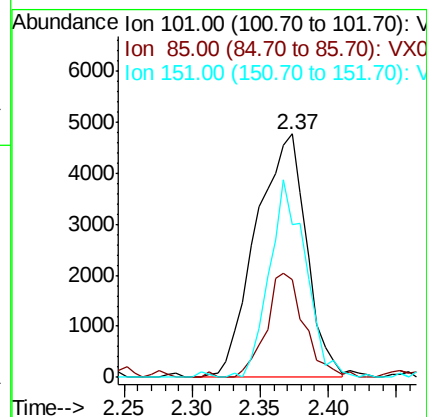
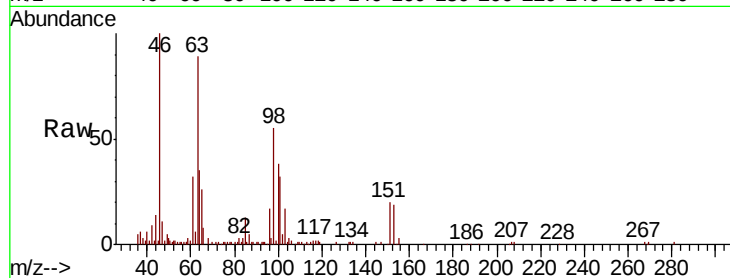
Tot Ion:101 Resp: 12374

Ion Ratio Lower Upper

101 100

85 32.2 35.8 53.6#

151 58.1 61.6 92.4#



#13

Acetone

Concen: 4.515 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018216.D

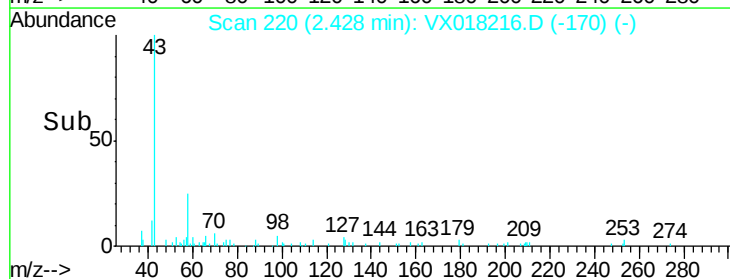
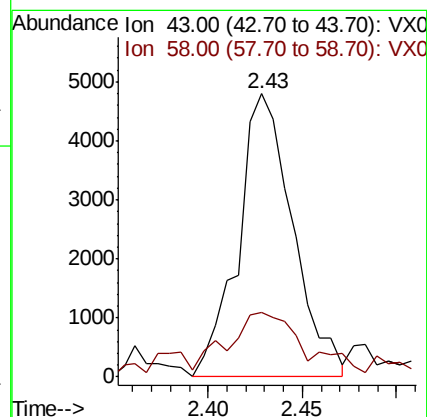
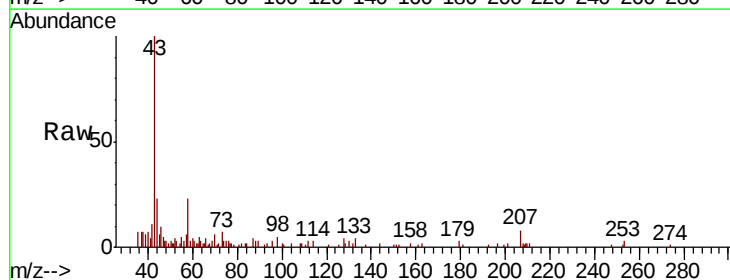
Acq: 02 Sep 2020 15:04

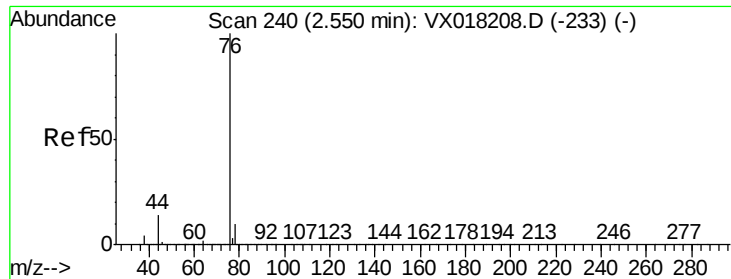
Tgt Ion: 43 Resp: 9662

Ion Ratio Lower Upper

43 100

58 20.8 0.0 59.2





#14

Carbon disulfide

Concen: 2.047 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

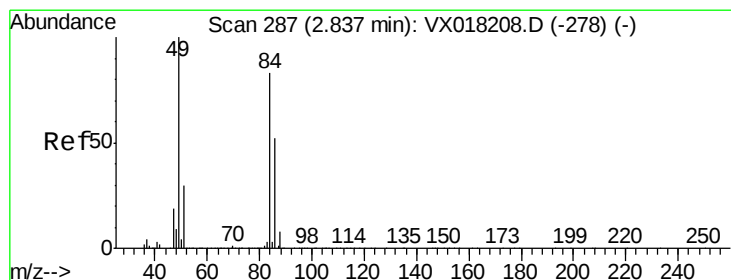
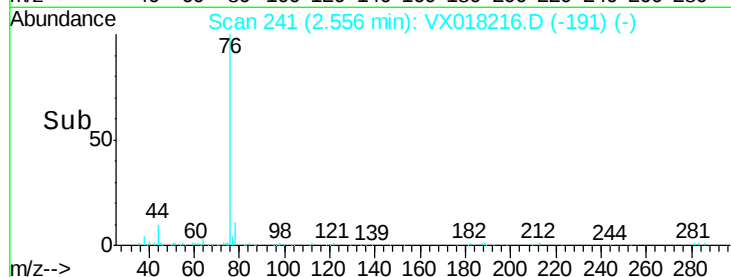
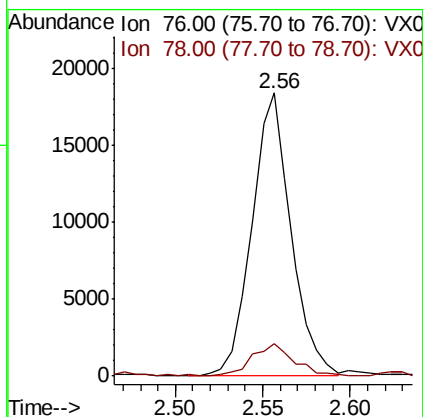
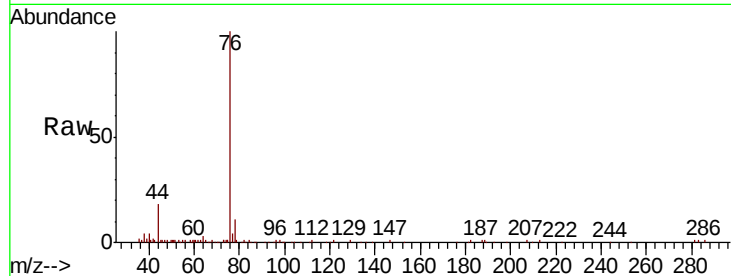
MDL04

Tot Ion: 76 Resp: 28661

Ion Ratio Lower Upper

76 100

78 11.3 7.7 11.5



#16

Methylene chloride

Concen: 2.556 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

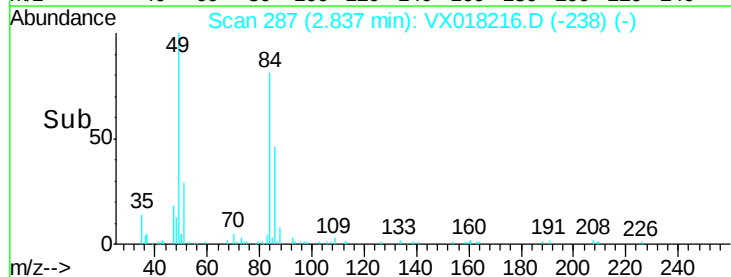
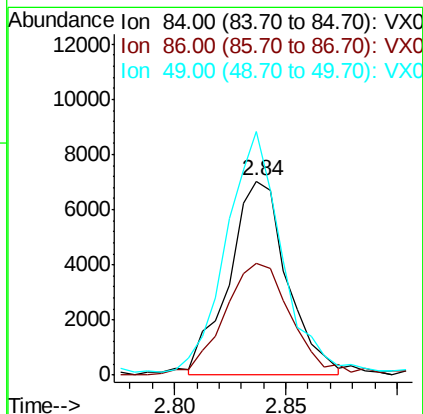
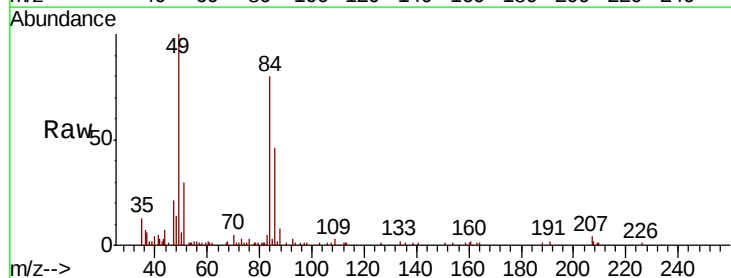
Tgt Ion: 84 Resp: 12812

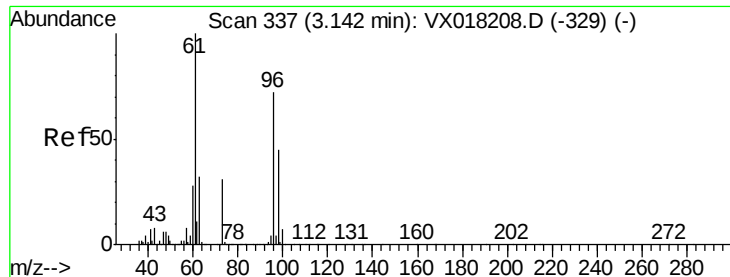
Ion Ratio Lower Upper

84 100

86 57.5 43.6 81.0

49 125.3 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 1.846 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018216.D

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ClientSampled :

MDL04

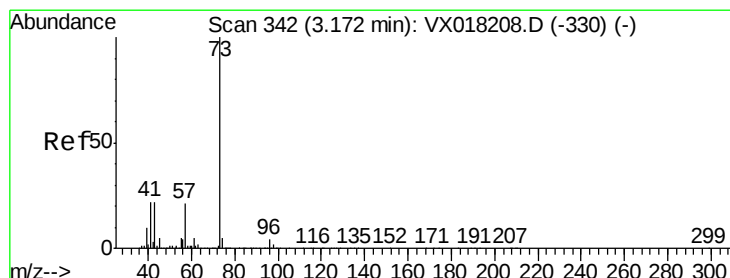
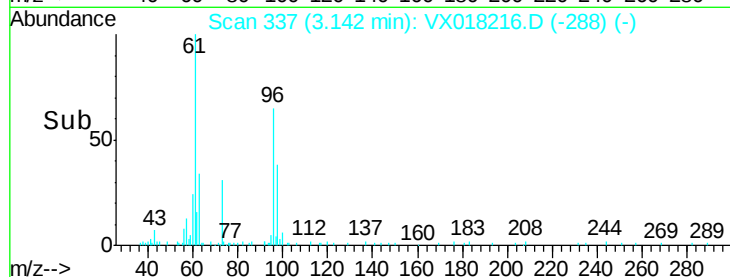
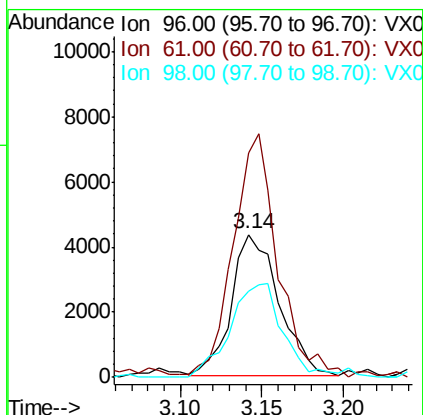
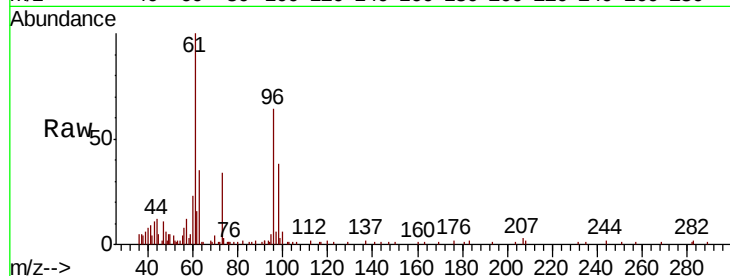
Tot Ion: 96 Resp: 8752

Ion Ratio Lower Upper

96 100

61 157.3 97.1 180.3

98 60.0 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 1.769 ug/L

RT: 3.17 min Scan# 342

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

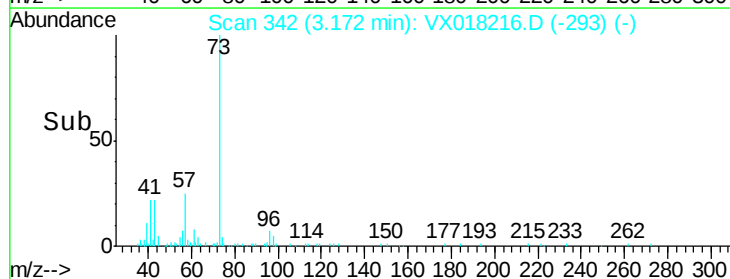
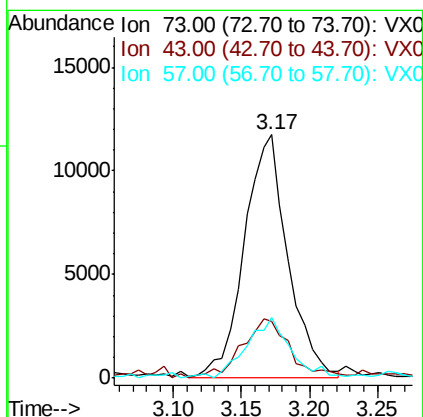
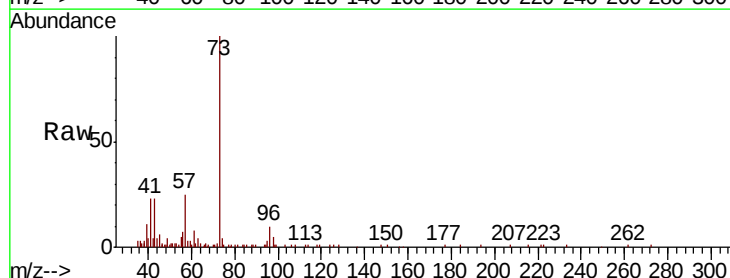
Tgt Ion: 73 Resp: 26192

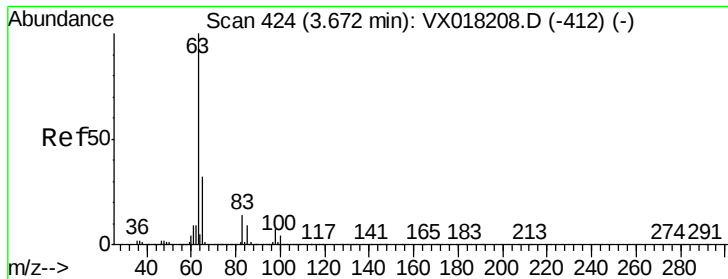
Ion Ratio Lower Upper

73 100

43 22.9 17.4 26.2

57 23.6 17.1 25.7

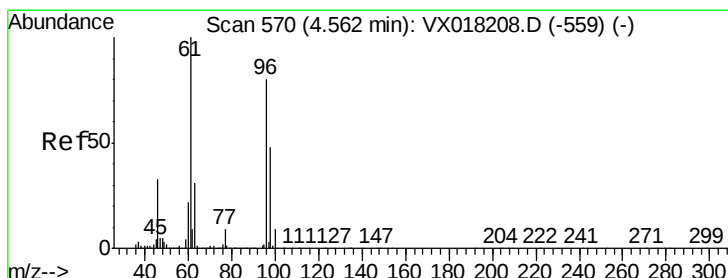
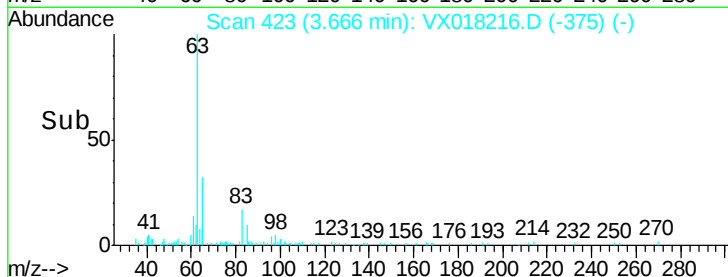
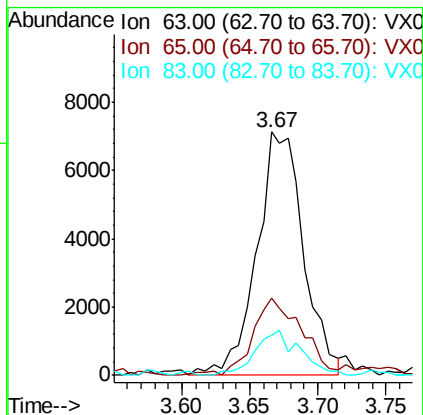
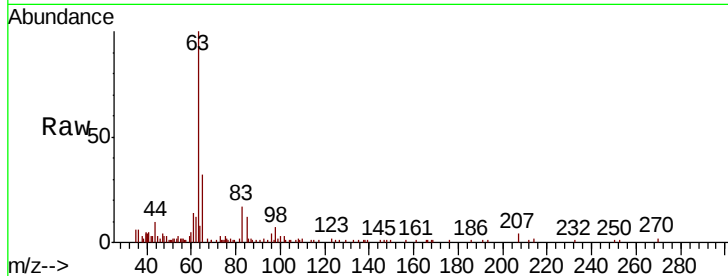




#19
 1,1-Dichloroethane
 Concen: 1.925 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

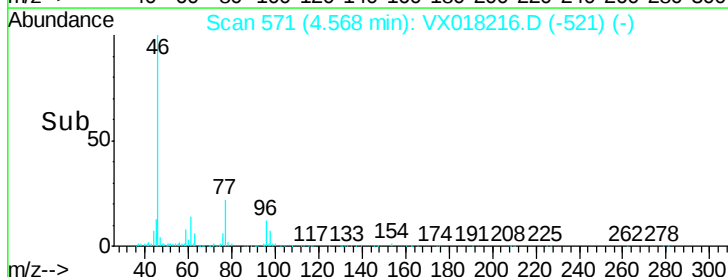
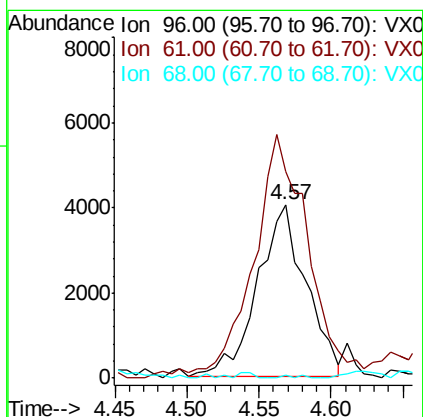
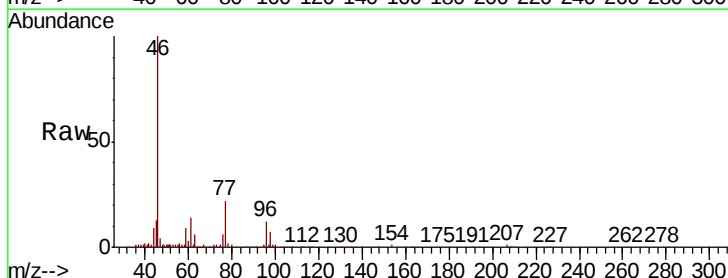
Instrument :
 MSVOA_X
 ClientSampled :
 MDL04

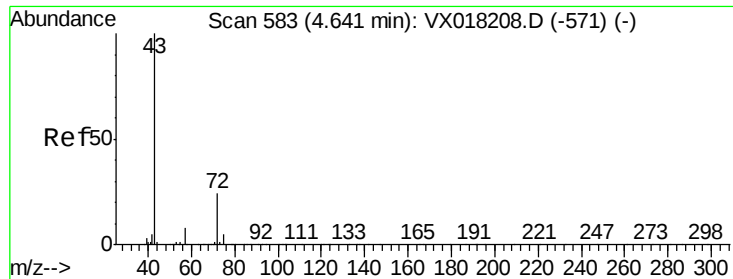
Tot Ion:	63	Resp:	17109
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.7	42.3
83	16.6	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 1.842 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

Tgt Ion:	96	Resp:	9337
Ion	Ratio	Lower	Upper
96	100		
61	119.5	88.0	163.4
68	1.7	0.1	0.1#





#22

2-Butanone

Concen: 2.133 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

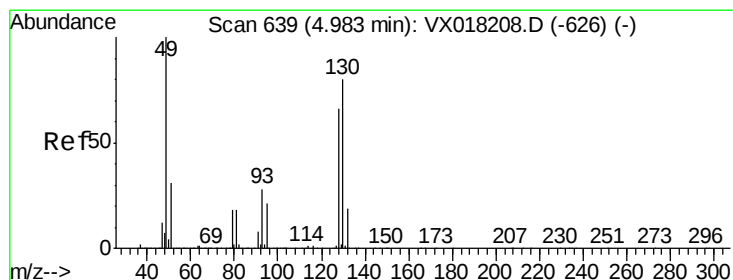
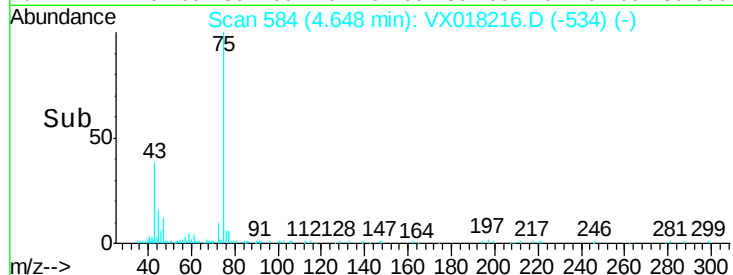
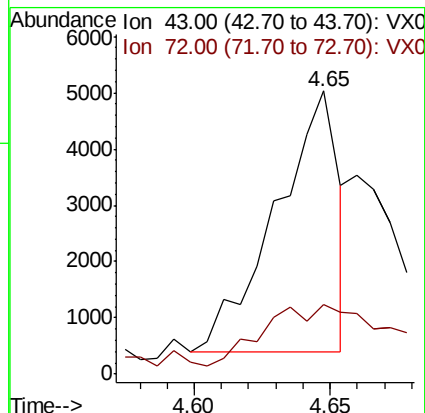
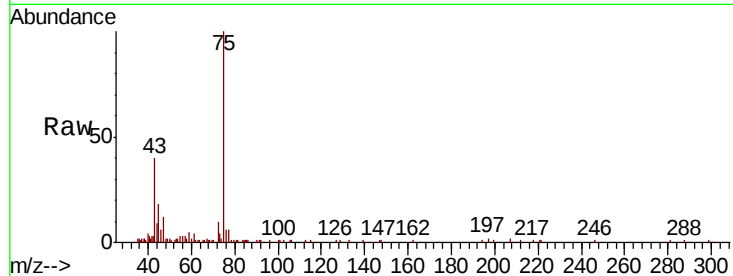
MDL04

Tot Ion: 43 Resp: 7485

Ion Ratio Lower Upper

43 100

72 18.0 12.7 38.1



#23

Bromochloromethane

Concen: 1.226 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Tgt Ion: 128 Resp: 3477

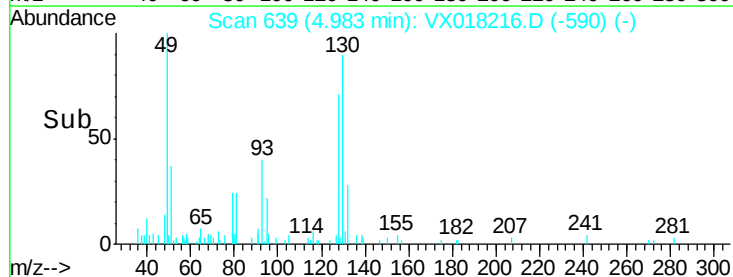
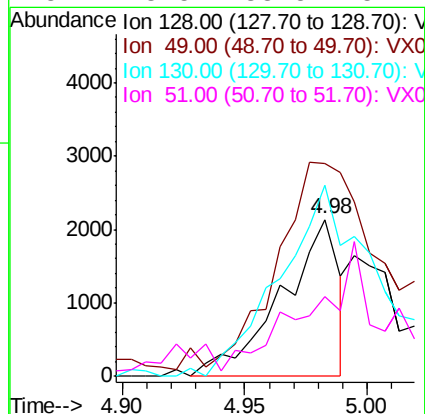
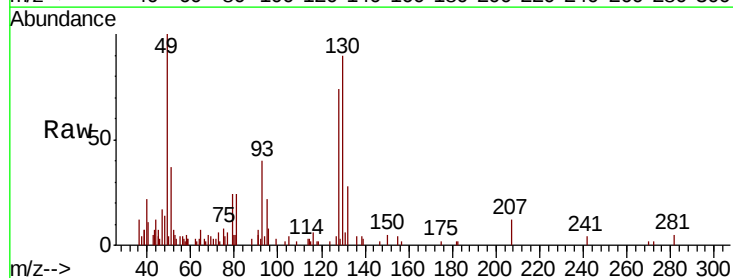
Ion Ratio Lower Upper

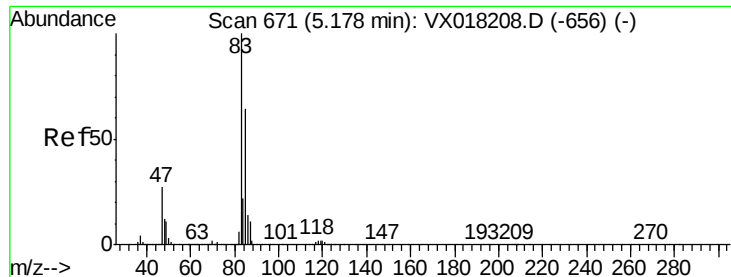
128 100

49 129.8 106.8 198.4

130 116.8 85.3 158.5

51 48.5 38.5 57.7

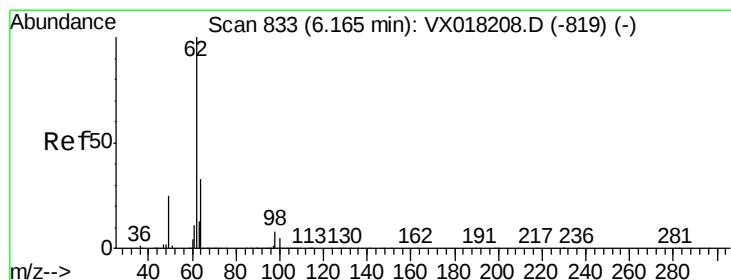
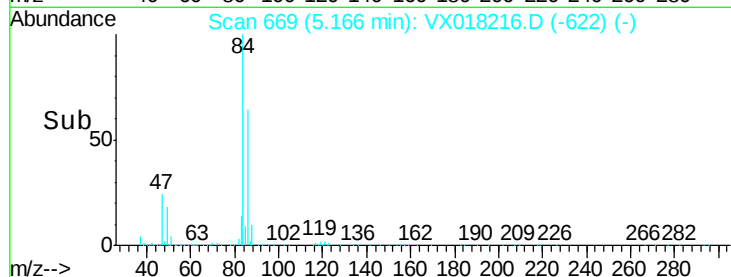
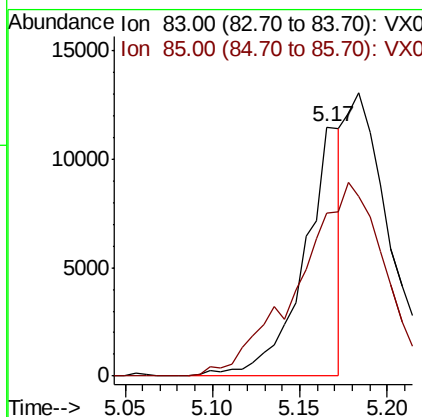
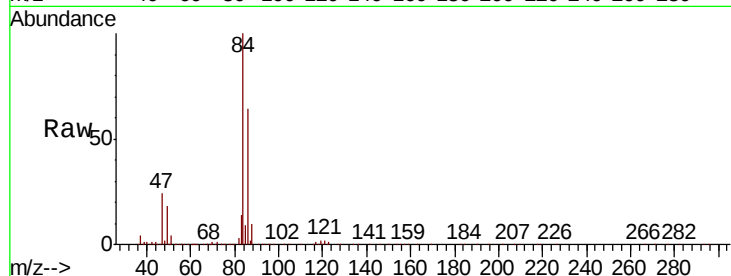




#25
Chloroform
Concen: 1.678 ug/L
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:04

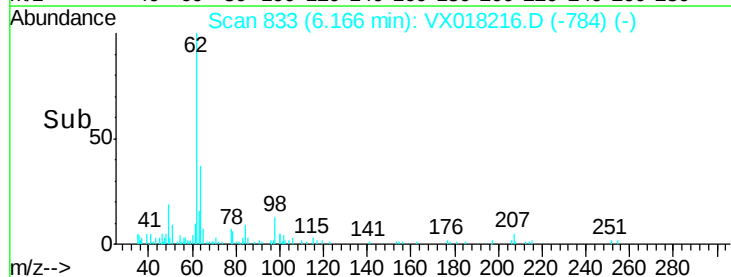
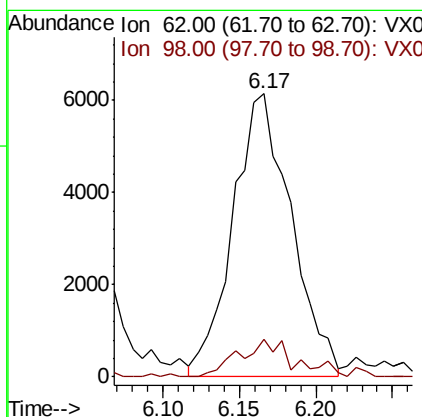
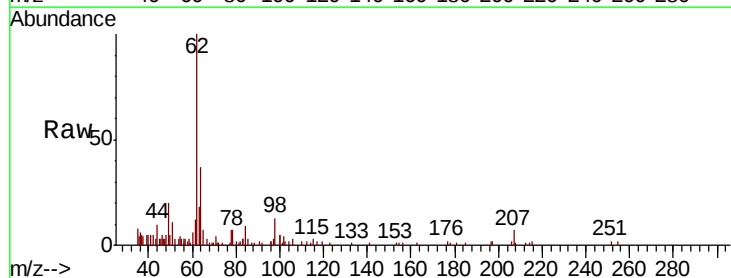
Instrument :
MSVOA_X
ClientSampled :
MDL04

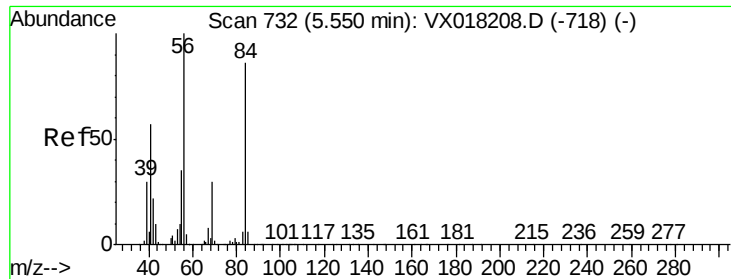
Tot Ion: 83 Resp: 17064
Ion Ratio Lower Upper
83 100
85 65.4 44.7 83.1



#27
1,2-Dichloroethane
Concen: 2.113 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:04

Tgt Ion: 62 Resp: 16277
Ion Ratio Lower Upper
62 100
98 13.1 6.6 9.8#

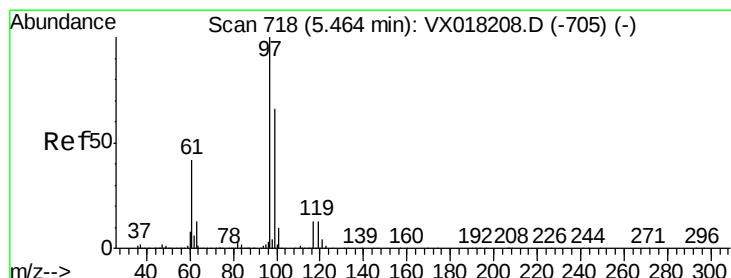
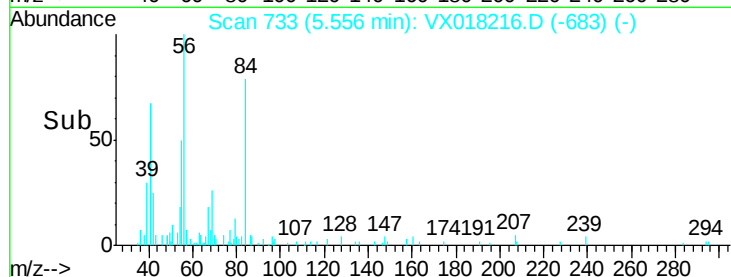
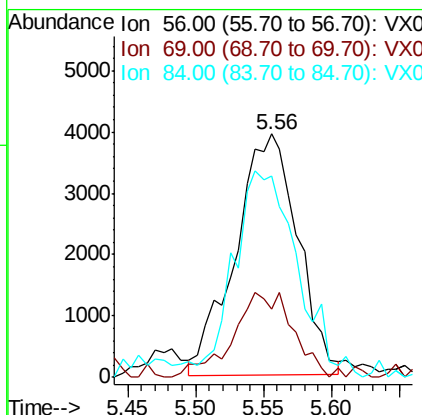
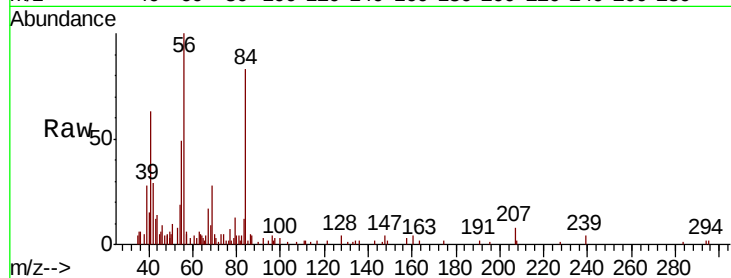




#29
Cyclohexane
Concen: 1.775 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:04

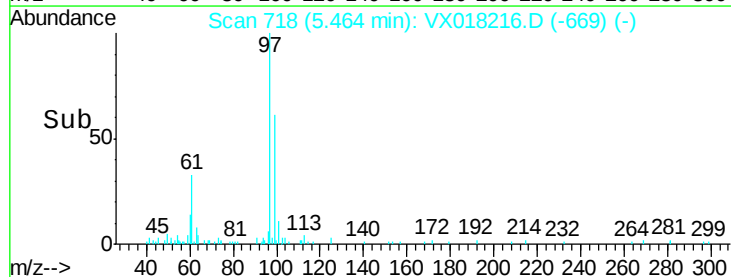
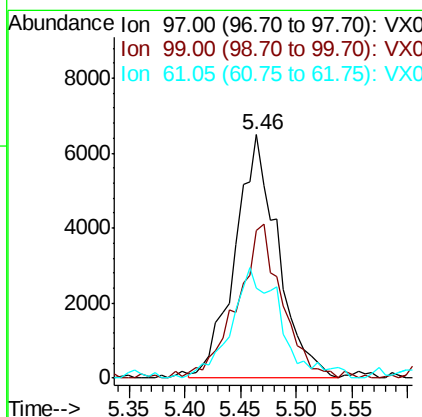
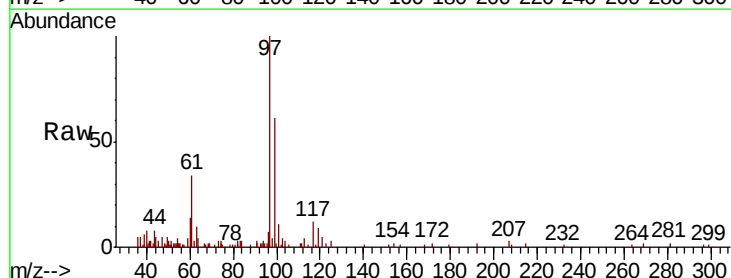
Instrument :
MSVOA_X
ClientSampleId :
MDL04

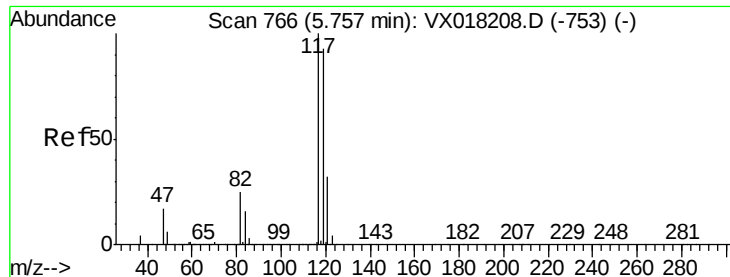
Tot Ion: 56 Resp: 12558
Ion Ratio Lower Upper
56 100
69 11.3 25.4 38.2#
84 0.0 69.8 104.8#



#30
1,1,1-Trichloroethane
Concen: 1.972 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:04

Tgt Ion: 97 Resp: 17412
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 32.8 33.8 50.6#





#31

Carbon tetrachloride

Concen: 1.978 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

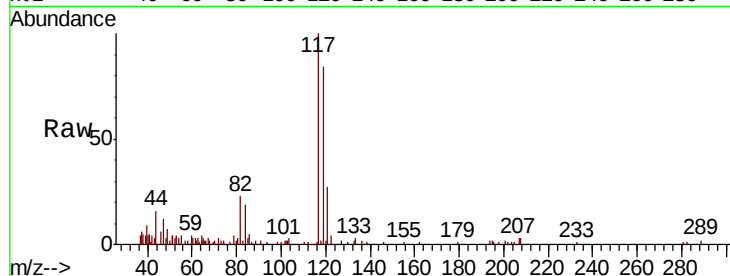
MDL04

Tot Ion:117 Resp: 15901

Ion Ratio Lower Upper

117 100

119 92.9 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.76

6000

5000

4000

3000

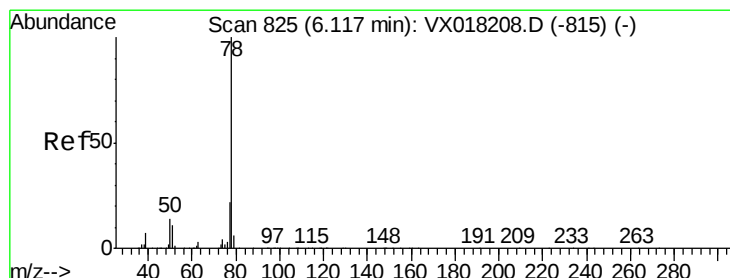
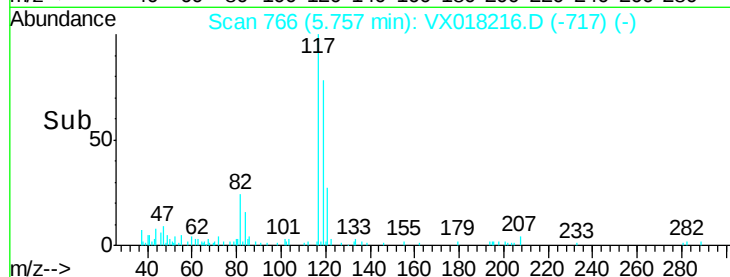
2000

1000

0

Time-->

5.65 5.70 5.75 5.80 5.85



#33

Benzene

Concen: 1.926 ug/L

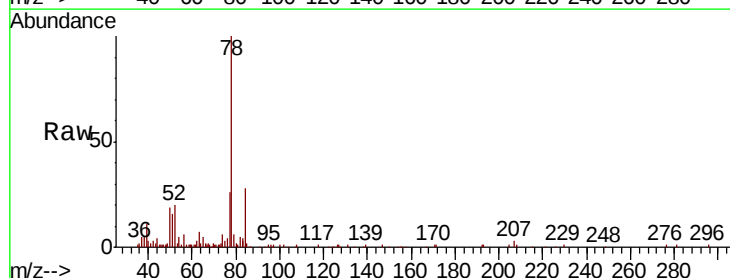
RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Tgt Ion: 78 Resp: 35830



Abundance Ion 78.00 (77.70 to 78.70): VX0

6.11

15000

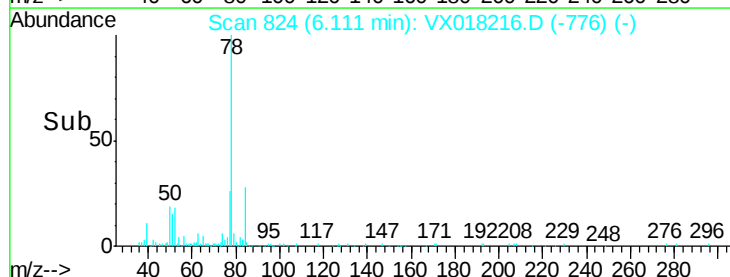
10000

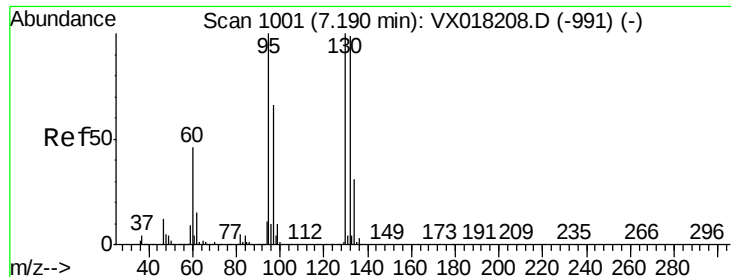
5000

0

Time-->

6.05 6.10 6.15 6.20





#34

Trichloroethene

Concen: 1.880 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 95 Resp: 9816

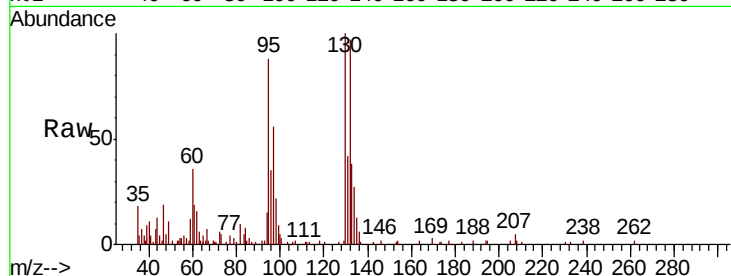
Ion Ratio Lower Upper

95 100

97 64.0 46.2 85.8

132 110.8 69.2 128.4

130 113.9 70.1 130.3

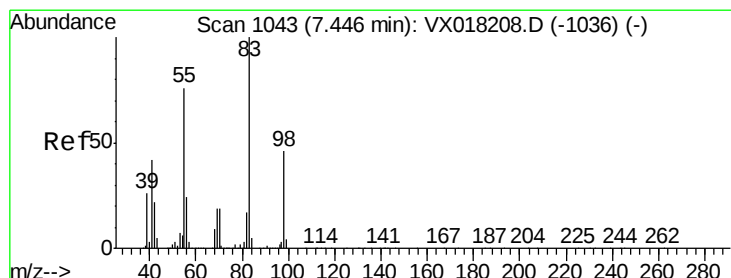
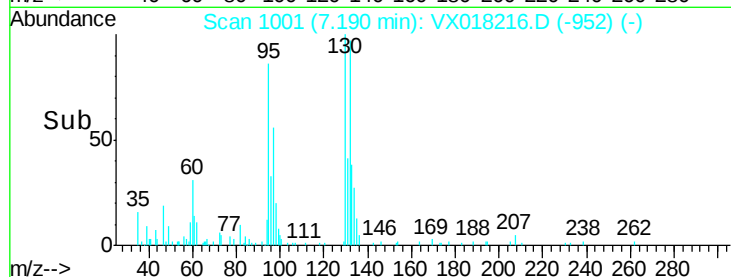
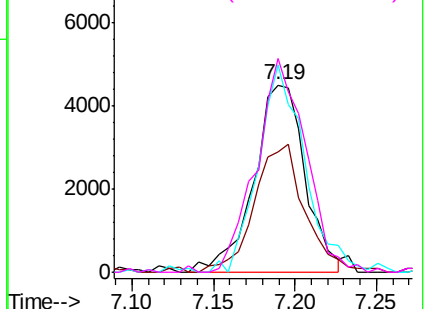


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 1.655 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

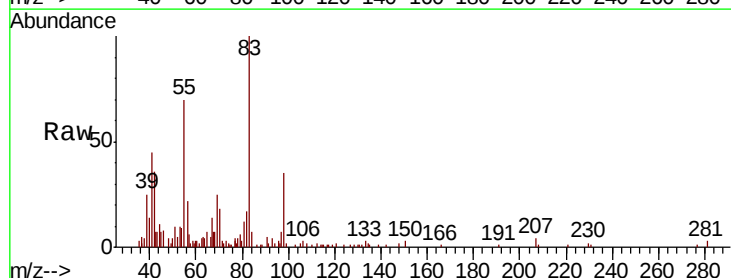
Tgt Ion: 83 Resp: 12014

Ion Ratio Lower Upper

83 100

55 83.7 62.6 94.0

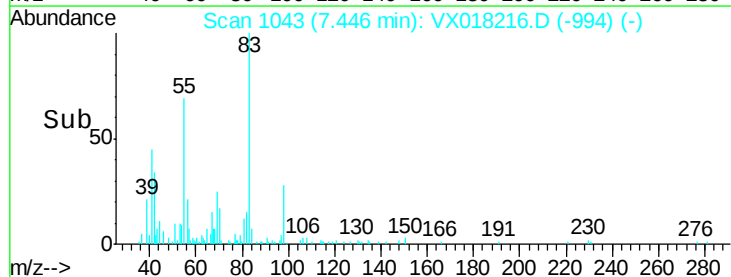
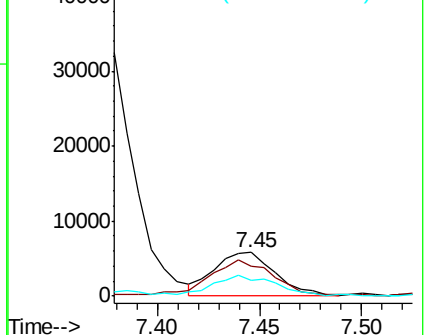
98 45.6 37.1 55.7

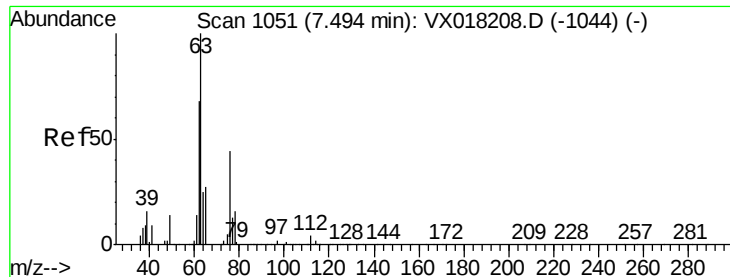


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

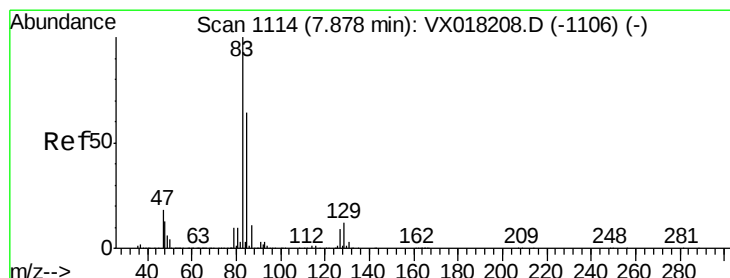
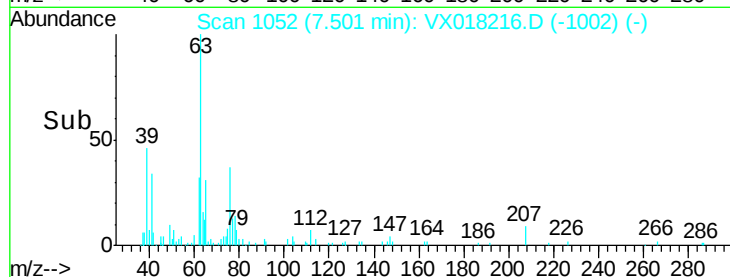
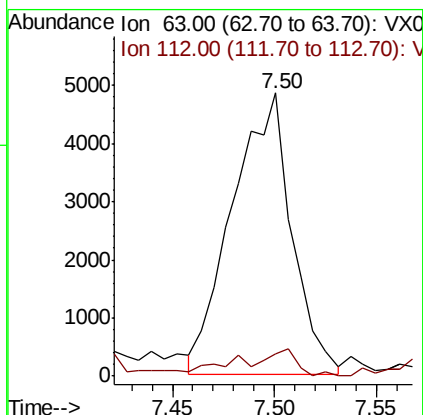
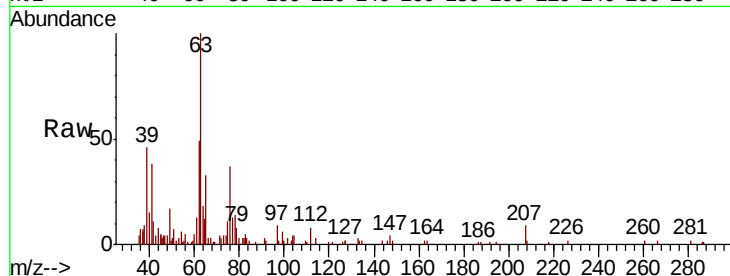




#37
 1,2-Dichloropropane
 Concen: 1.989 ug/L
 RT: 7.50 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

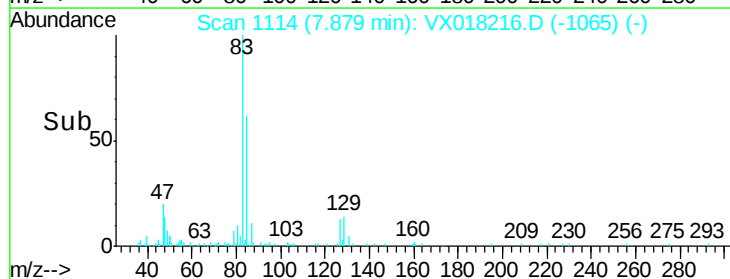
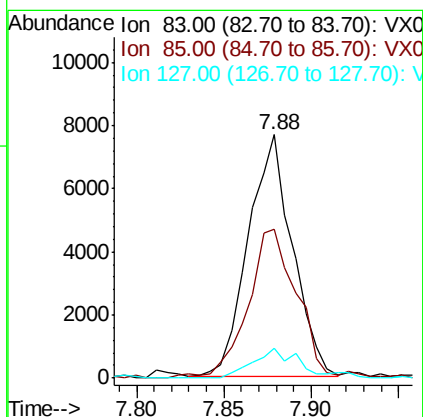
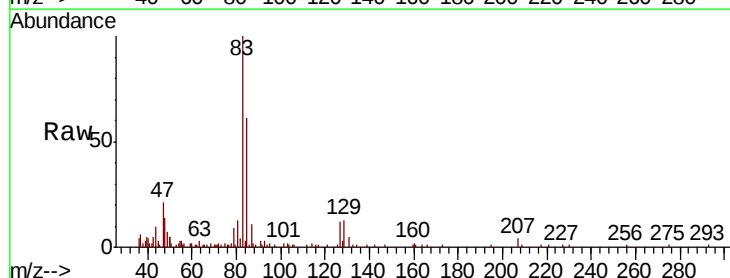
Instrument :
 MSVOA_X
 ClientSampled :
 MDL04

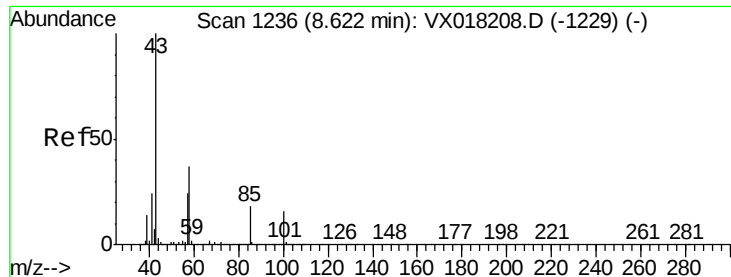
Tot Ion: 63 Resp: 9798
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 1.926 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

Tgt Ion: 83 Resp: 13510
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.5 82.7
 127 12.4 7.4 11.2#

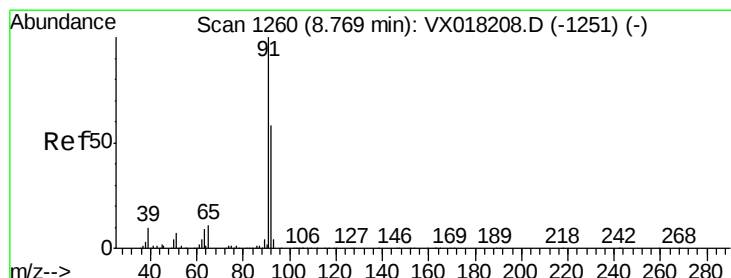
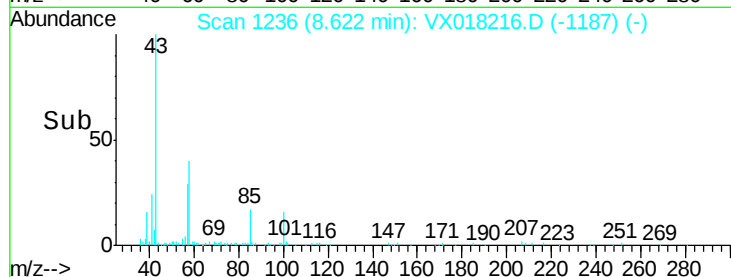
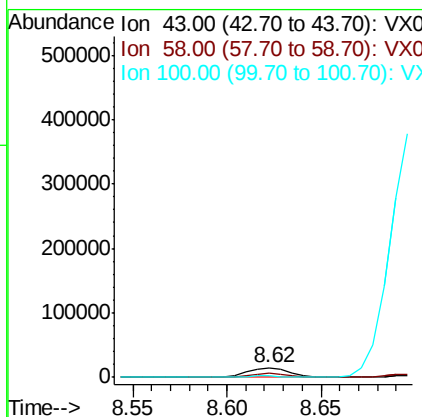
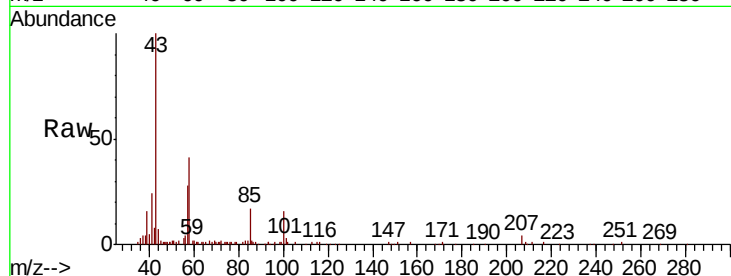




#40
4-Methyl-2-pentanone
Concen: 3.519 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:04

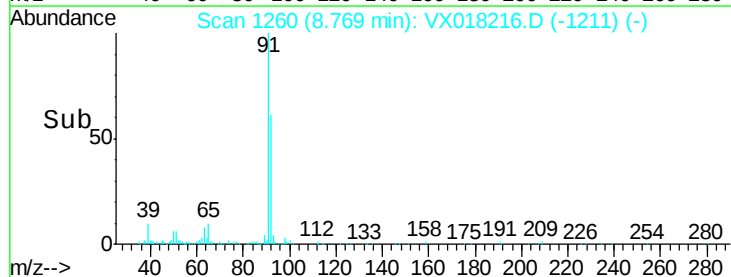
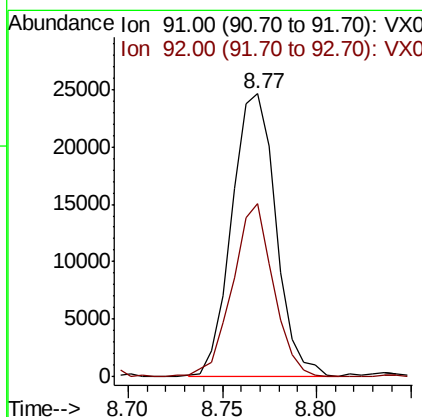
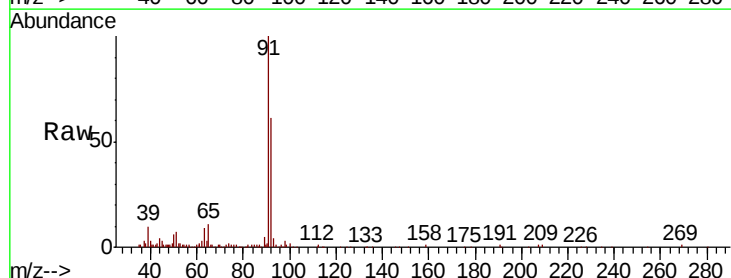
Instrument :
MSVOA_X
ClientSampleId :
MDL04

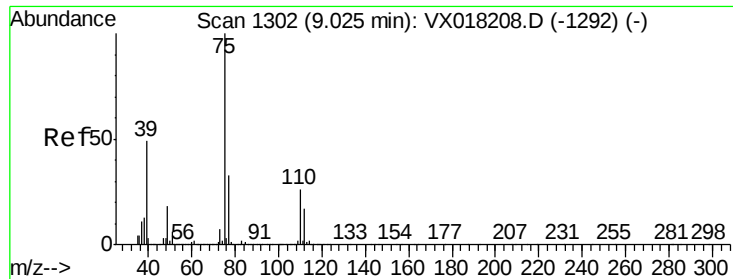
Tot Ion: 43 Resp: 23502
Ion Ratio Lower Upper
43 100
58 39.9 30.3 45.5
100 17.2 11.9 17.9



#42
Toluene
Concen: 1.987 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:04

Tgt Ion: 91 Resp: 39670
Ion Ratio Lower Upper
91 100
92 61.2 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 1.923 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

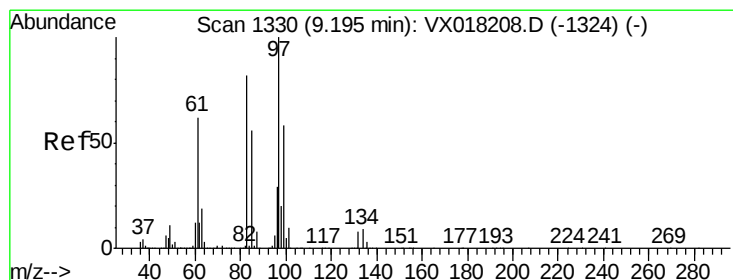
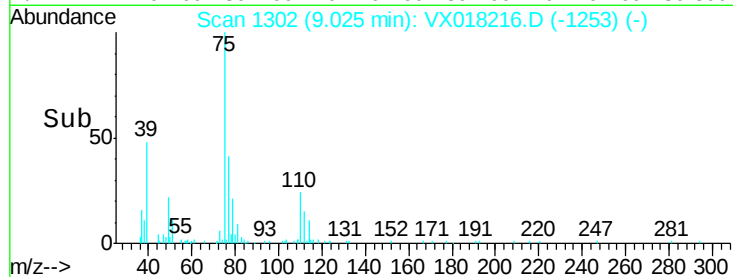
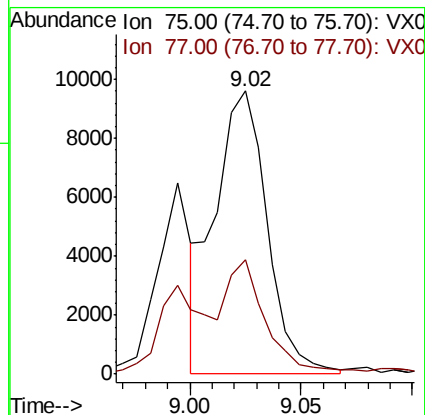
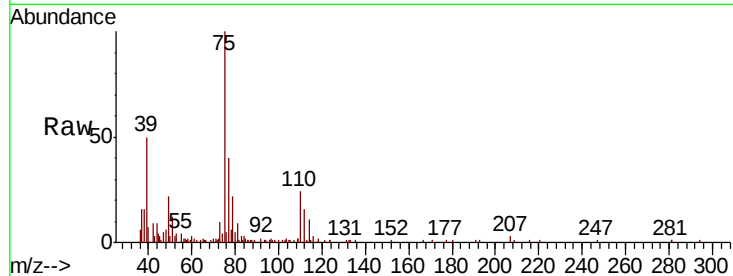
MDL04

Tot Ion: 75 Resp: 15540

Ion Ratio Lower Upper

75 100

77 40.5 23.2 43.0



#45

1,1,2-Trichloroethane

Concen: 1.911 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Tgt Ion: 97 Resp: 9452

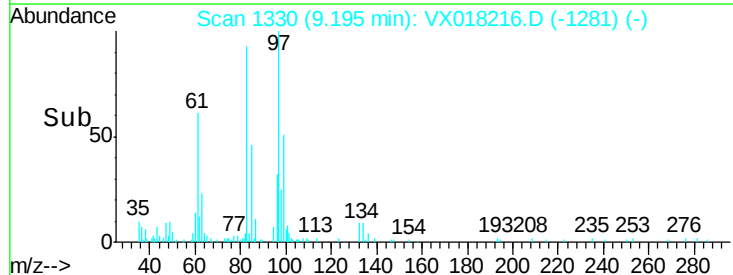
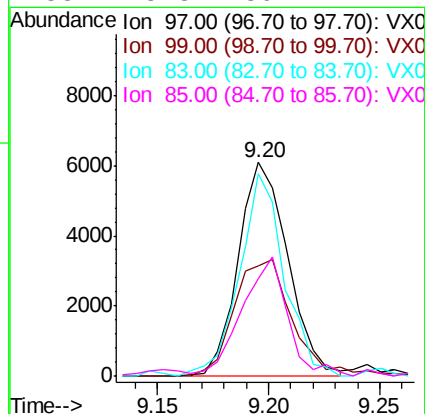
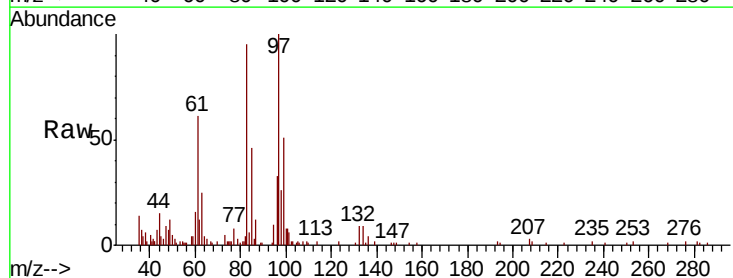
Ion Ratio Lower Upper

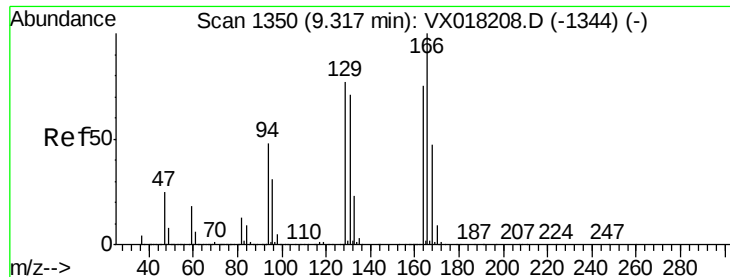
97 100

99 51.3 40.3 74.9

83 94.7 57.7 107.1

85 45.8 39.1 72.7





#46

Tetrachloroethene

Concen: 1.924 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion:164 Resp: 8008

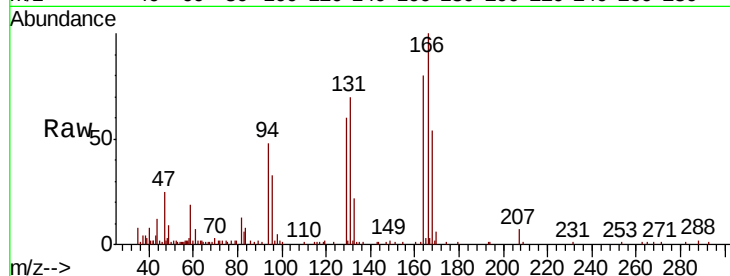
Ion Ratio Lower Upper

164 100

129 74.6 72.0 133.6

131 87.7 66.8 124.2

166 124.8 93.9 174.5

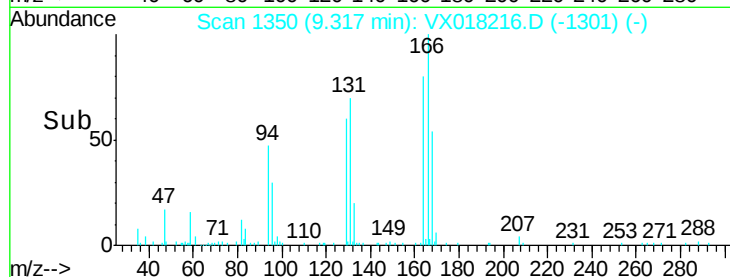


Abundance Ion 164.00 (163.70 to 164.70): V

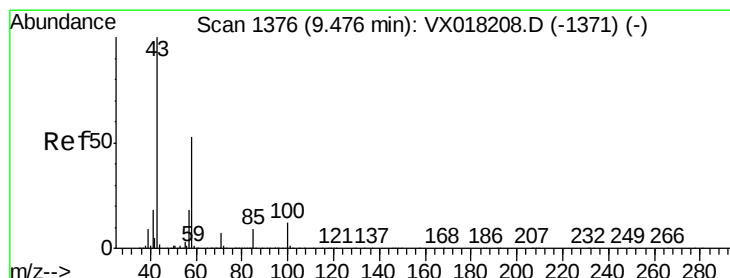
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#48

2-Hexanone

Concen: 3.757 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Tgt Ion: 43 Resp: 20285

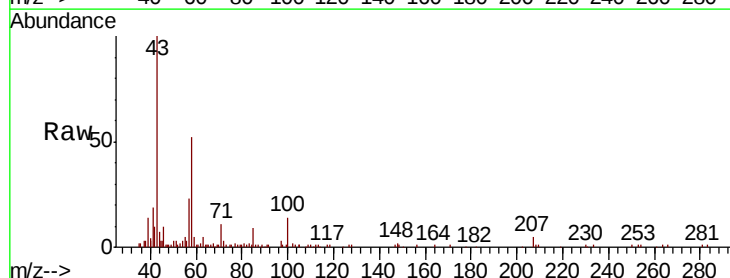
Ion Ratio Lower Upper

43 100

58 51.3 41.8 62.8

57 22.8 15.2 22.8

100 14.4 9.4 14.2#

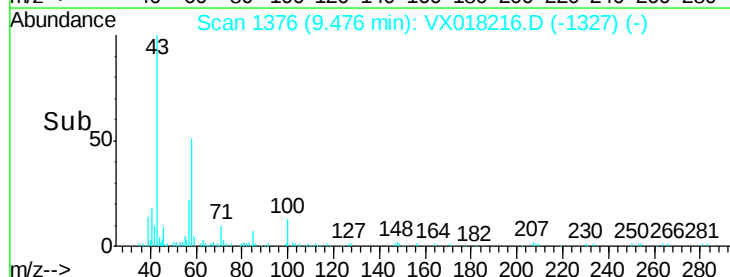


Abundance Ion 43.00 (42.70 to 43.70): VX0

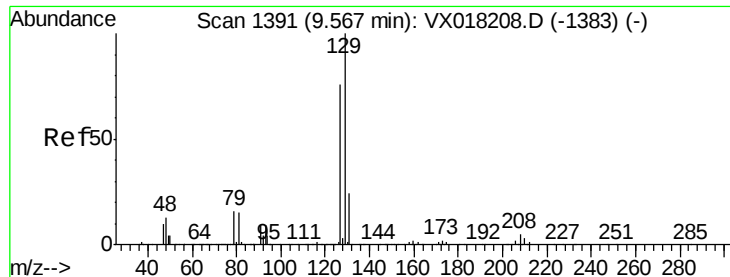
Ion 58.00 (57.70 to 58.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#49

Dibromochloromethane

Concen: 1.855 ug/L

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

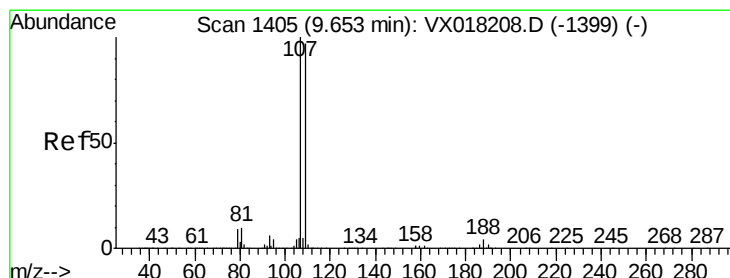
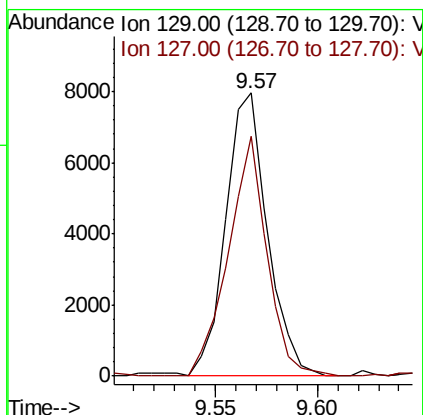
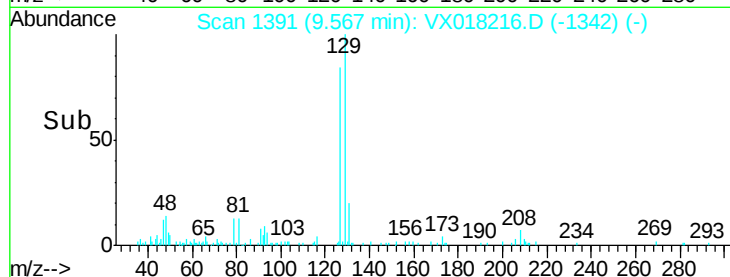
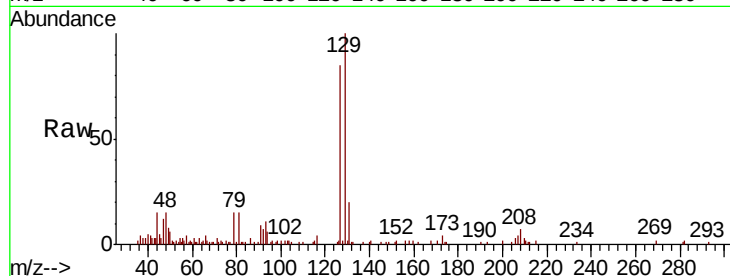
MDL04

Tot Ion:129 Resp: 11243

Ion Ratio Lower Upper

129 100

127 84.8 53.1 98.5



#50

1,2-Dibromoethane

Concen: 1.923 ug/L

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

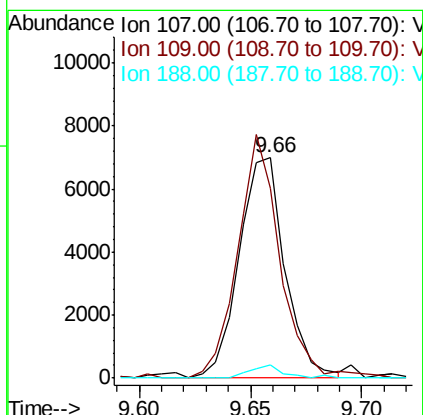
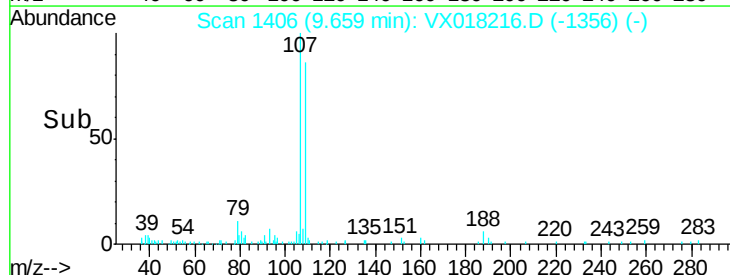
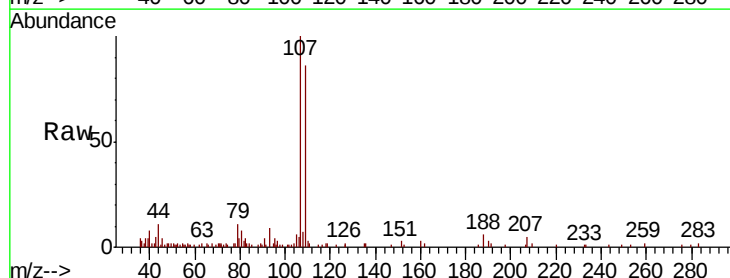
Tgt Ion:107 Resp: 10070

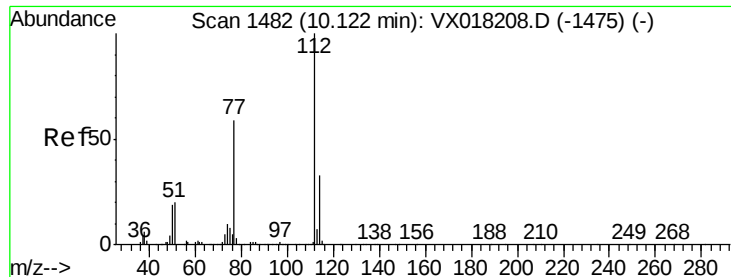
Ion Ratio Lower Upper

107 100

109 86.3 68.0 126.2

188 6.2 2.8 4.2#





#51

Chlorobenzene

Concen: 1.910 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL04

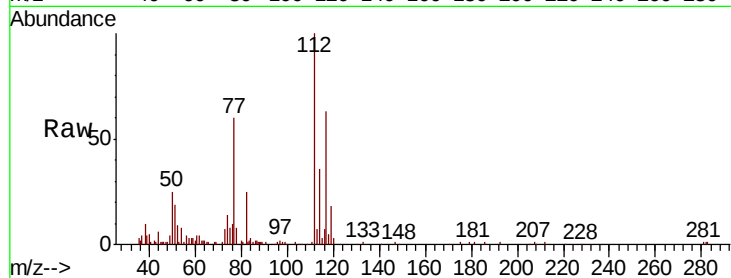
Tot Ion:112 Resp: 25975

Ion Ratio Lower Upper

112 100

114 35.9 23.2 43.2

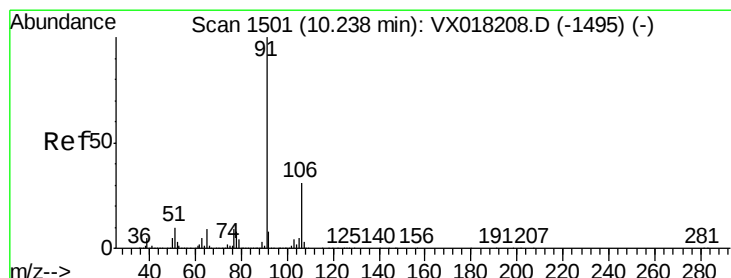
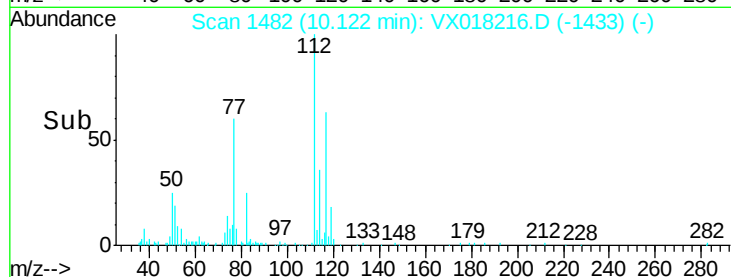
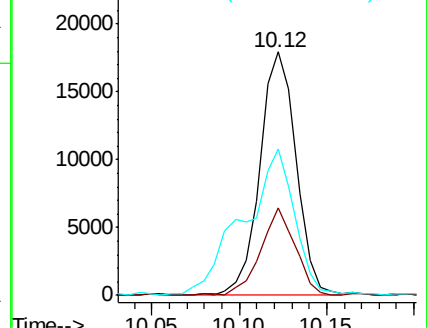
77 59.9 47.0 70.6



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: 1.647 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018216.D

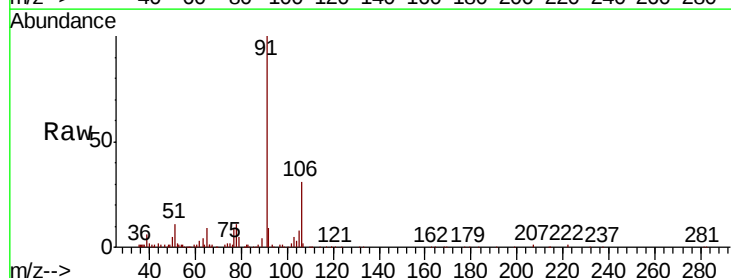
Acq: 02 Sep 2020 15:04

Tgt Ion: 91 Resp: 36662

Ion Ratio Lower Upper

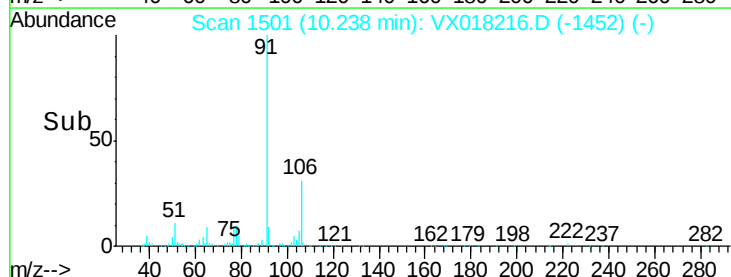
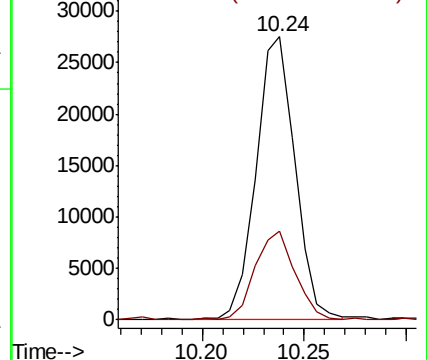
91 100

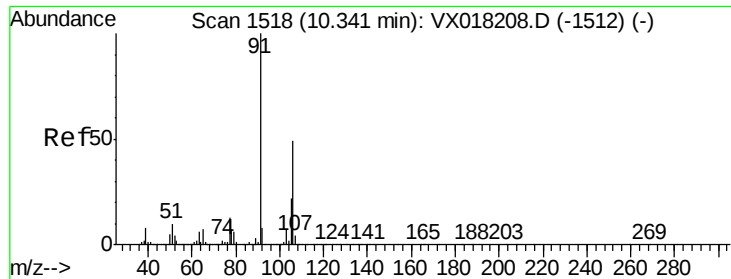
106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.672 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

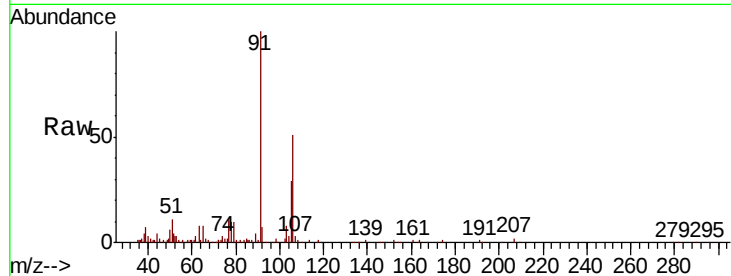
MDL04

Tot Ion:106 Resp: 14219

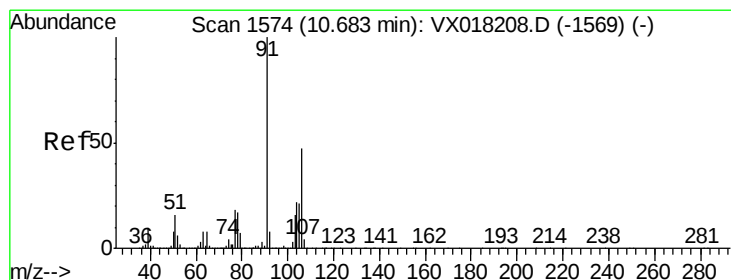
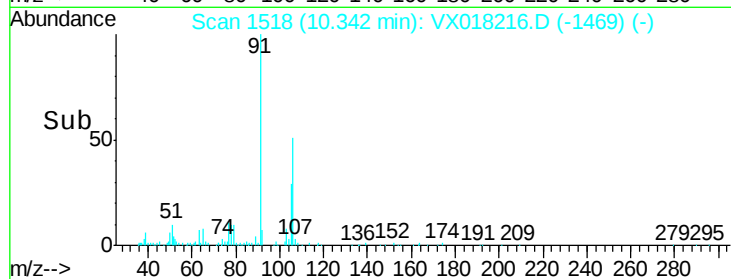
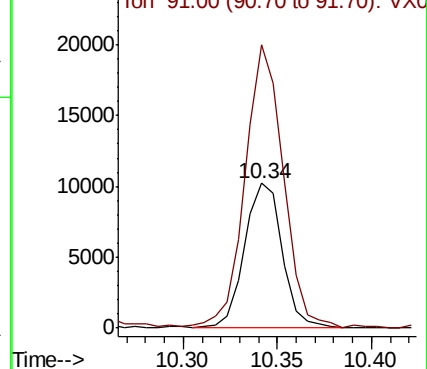
Ion Ratio Lower Upper

106 100

91 195.5 142.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V



#54

o-xylene

Concen: 1.607 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018216.D

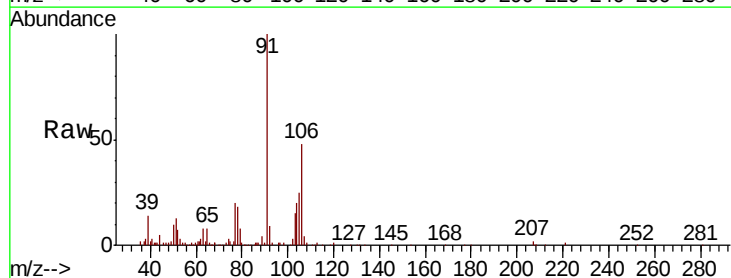
Acq: 02 Sep 2020 15:04

Tgt Ion:106 Resp: 13041

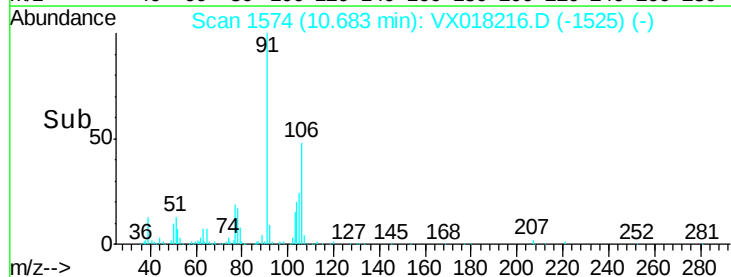
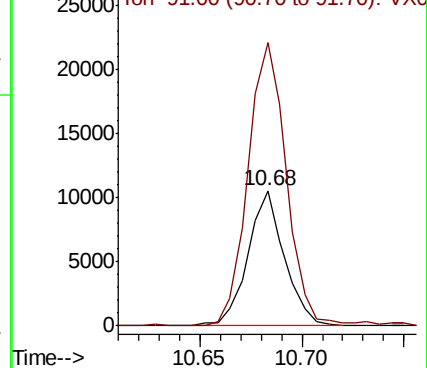
Ion Ratio Lower Upper

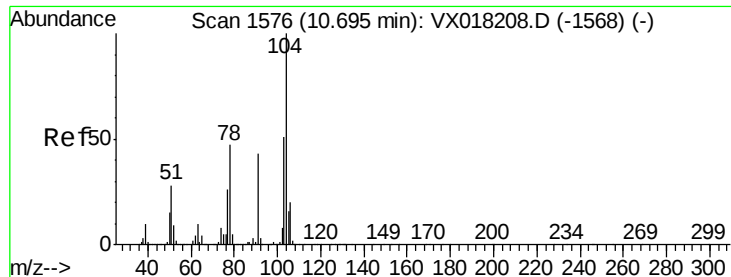
106 100

91 209.0 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V





#55

Stvrene

Concen: 1.563 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

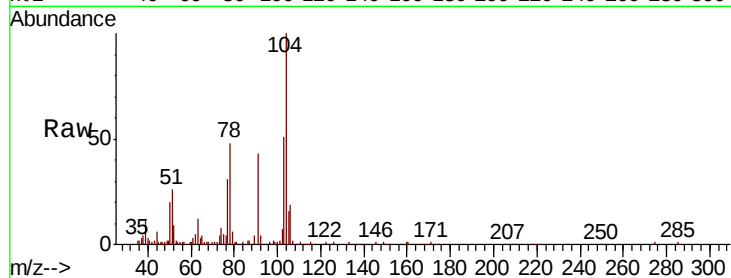
MDL04

Tot Ion:104 Resp: 21915

Ion Ratio Lower Upper

104 100

78 47.5 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

20000

15000

10000

5000

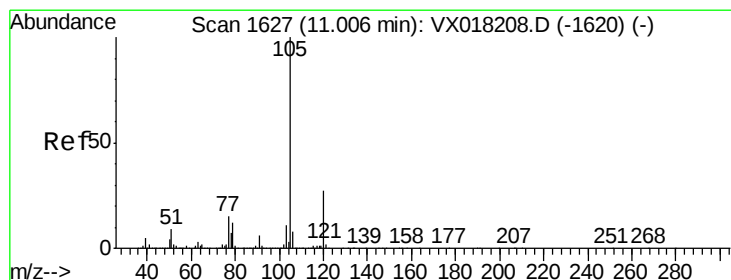
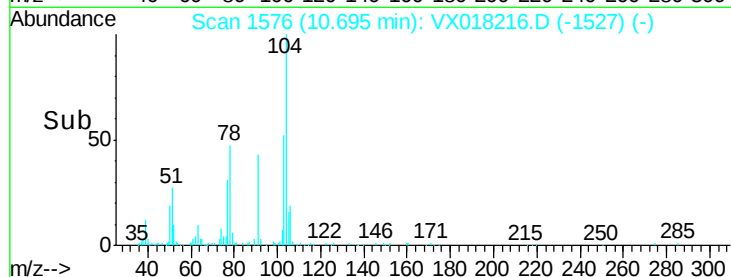
0

10.65

10.70

10.75

Time-->



#56

Isopropylbenzene

Concen: 1.534 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

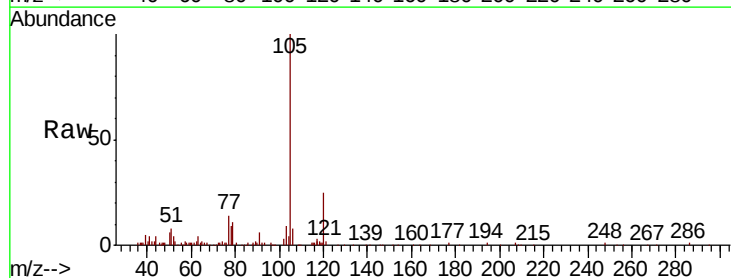
Tgt Ion:105 Resp: 33300

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

77 18.3 12.7 19.1



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): VX0

30000

20000

10000

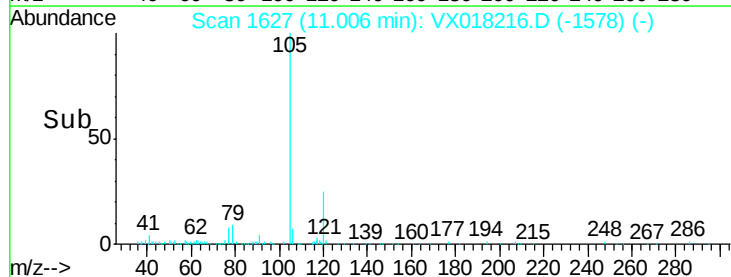
0

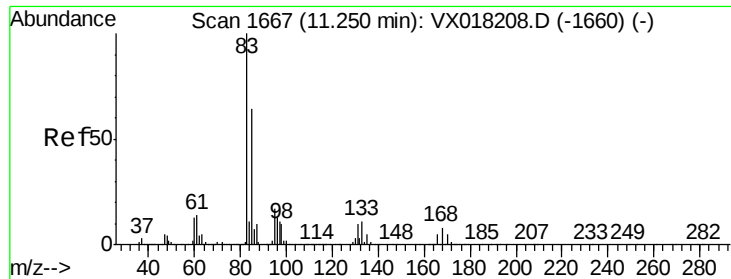
10.95

11.00

11.05

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 2.122 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL04

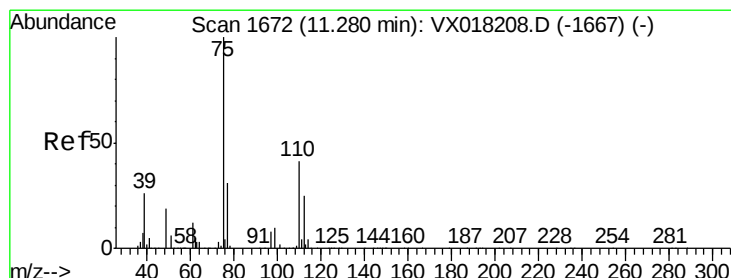
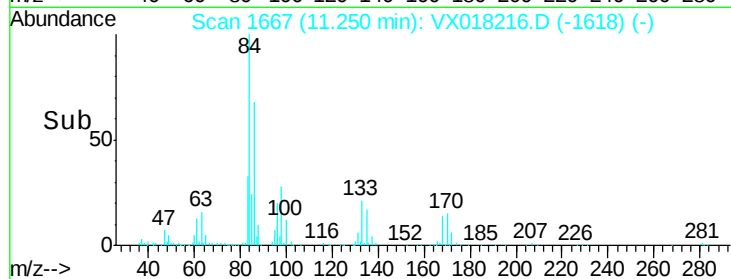
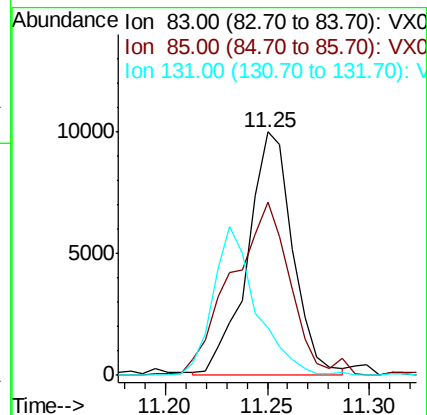
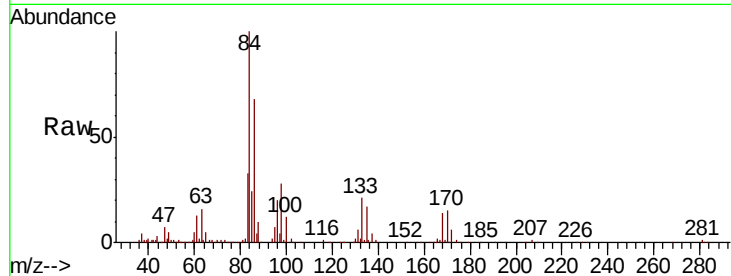
Tot Ion: 83 Resp: 15409

Ion Ratio Lower Upper

83 100

85 71.4 44.6 82.8

131 19.4 8.0 12.0#



#59

1,2,3-Trichloropropane

Concen: 1.794 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018216.D

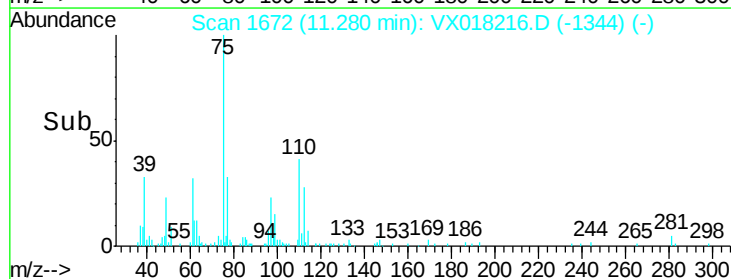
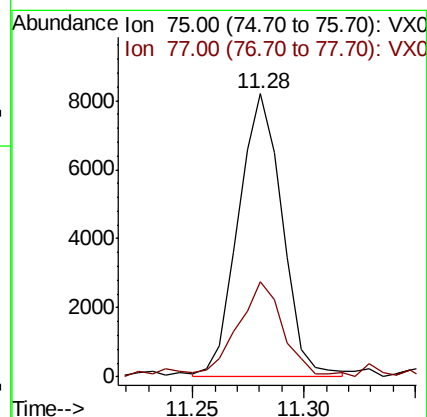
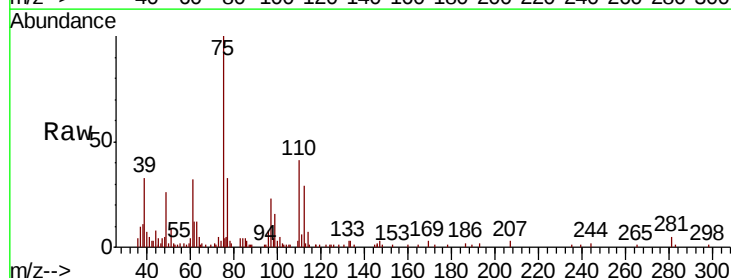
Acq: 02 Sep 2020 15:04

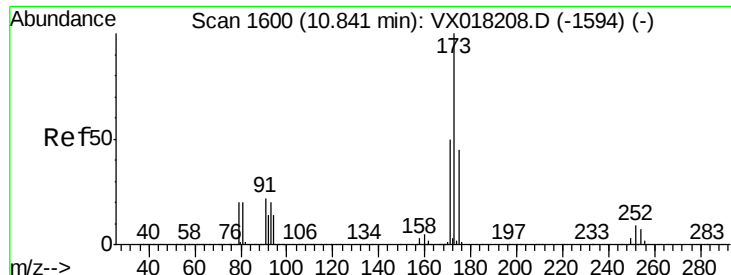
Tgt Ion: 75 Resp: 11288

Ion Ratio Lower Upper

75 100

77 34.0 25.8 38.8





#61

Bromoform

Concen: 1.925 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL04

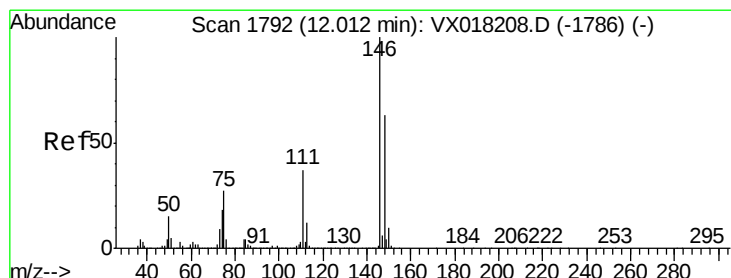
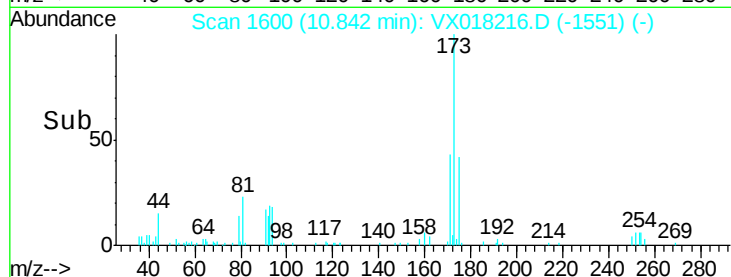
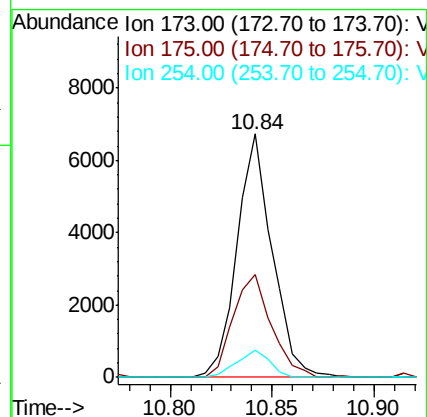
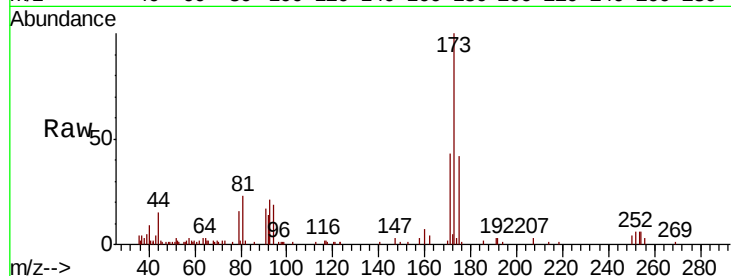
Tot Ion:173 Resp: 8043

Ion Ratio Lower Upper

173 100

175 45.7 37.9 56.9

254 10.4 6.6 10.0#



#62

1,3-Dichlorobenzene

Concen: 1.839 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

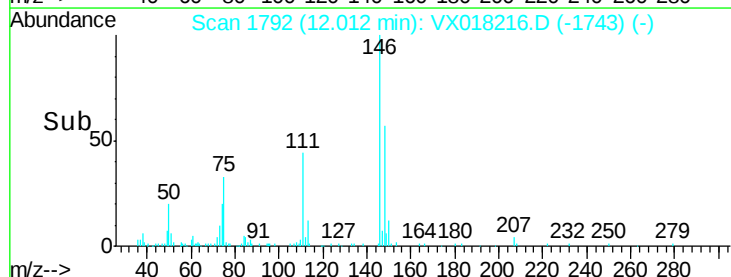
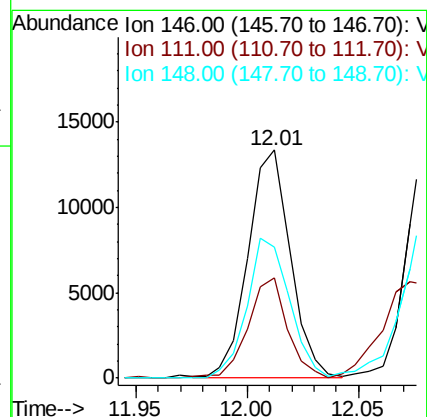
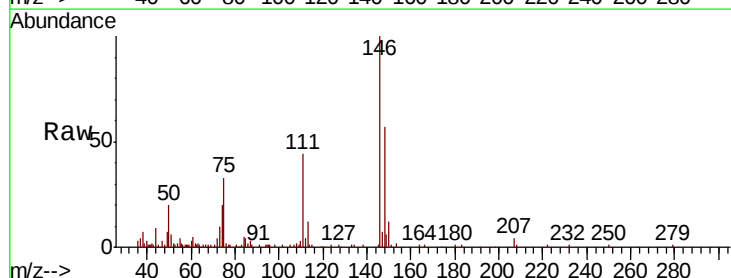
Tgt Ion:146 Resp: 17801

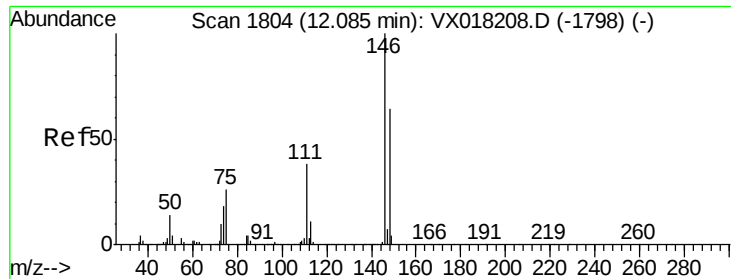
Ion Ratio Lower Upper

146 100

111 43.9 26.2 48.6

148 57.3 44.2 82.2





#63

1,4-Dichlorobenzene

Concen: 2.037 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL04

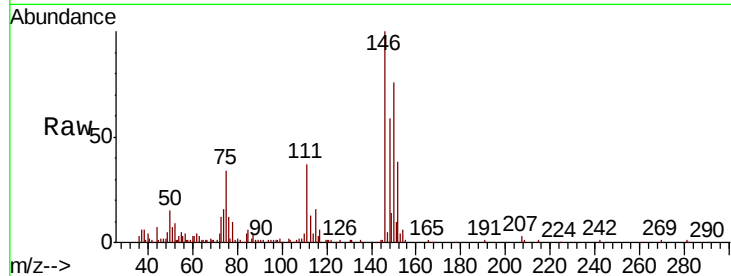
Tot Ion:146 Resp: 20067

Ion Ratio Lower Upper

146 100

111 36.6 26.5 49.1

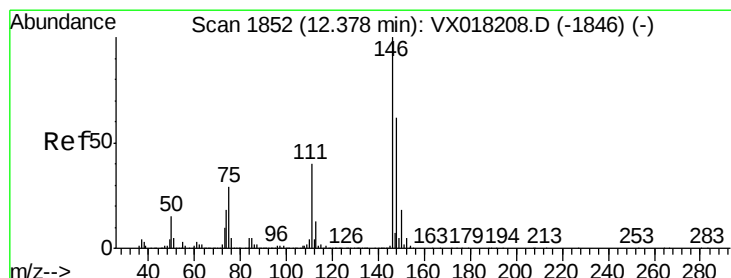
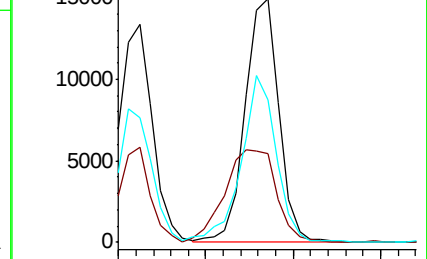
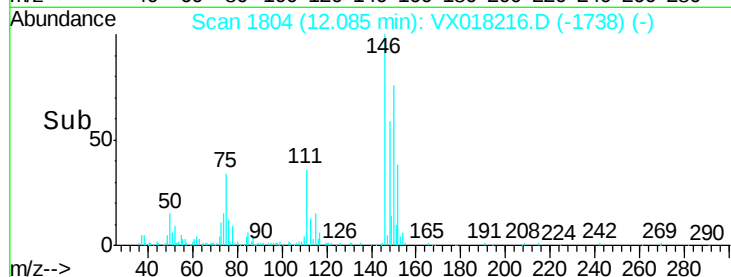
148 58.6 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.149 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:04

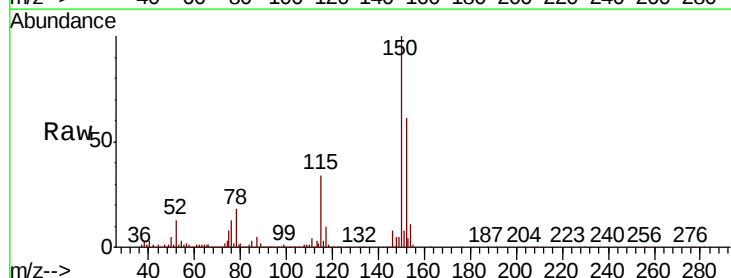
Tgt Ion:146 Resp: 20040

Ion Ratio Lower Upper

146 100

111 45.5 32.4 48.6

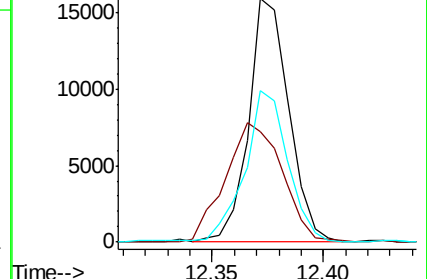
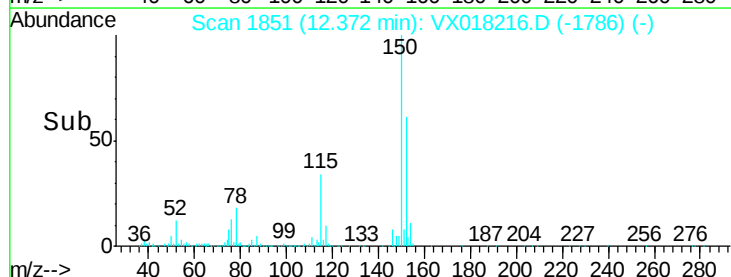
148 62.1 49.7 74.5

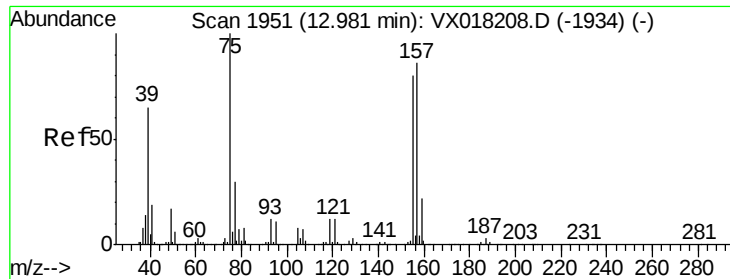


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

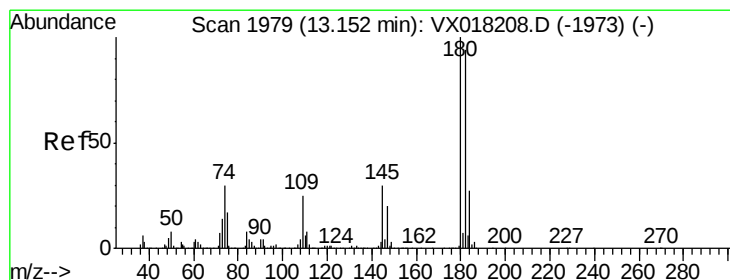
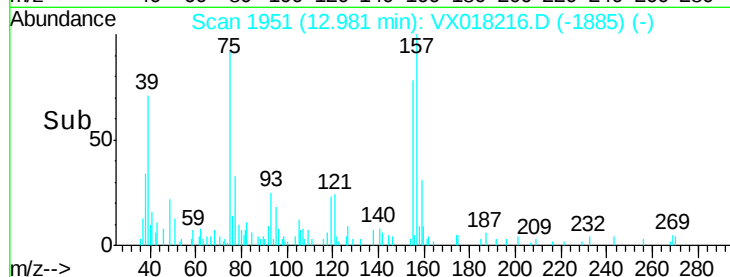
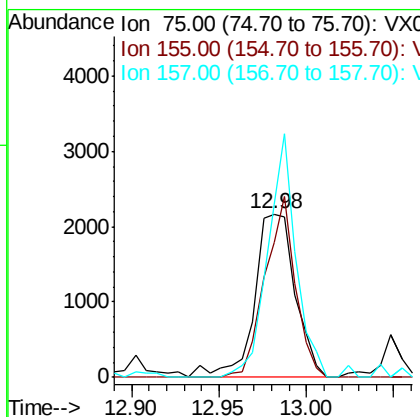
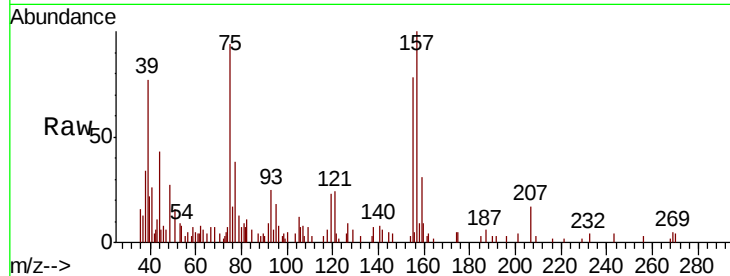




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.040 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

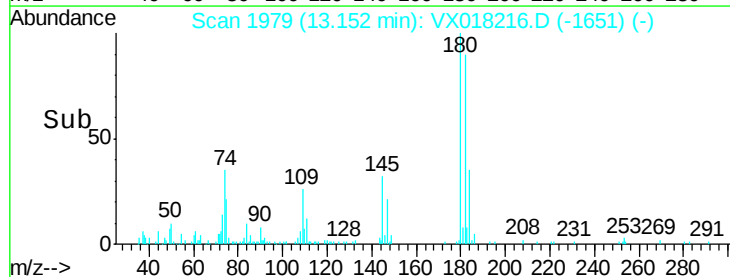
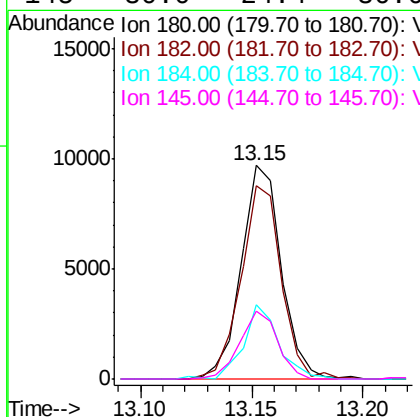
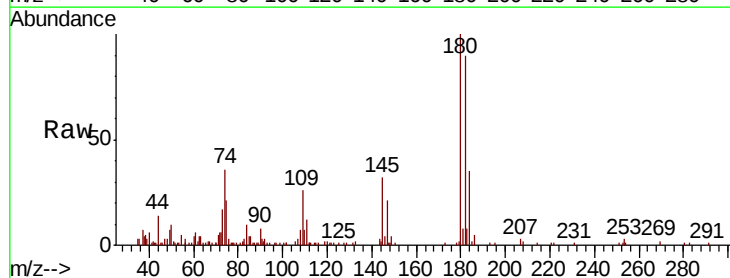
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

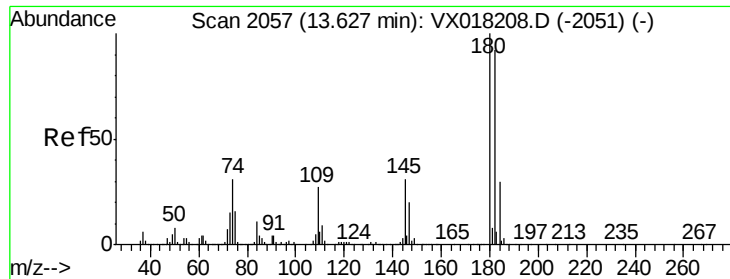
Tot Ion: 75 Resp: 3558
 Ion Ratio Lower Upper
 75 100
 155 82.4 63.8 95.8
 157 106.2 68.5 102.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.931 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

Tgt Ion: 180 Resp: 12195
 Ion Ratio Lower Upper
 180 100
 182 89.9 77.1 115.7
 184 30.4 23.8 35.6
 145 30.0 24.4 36.6

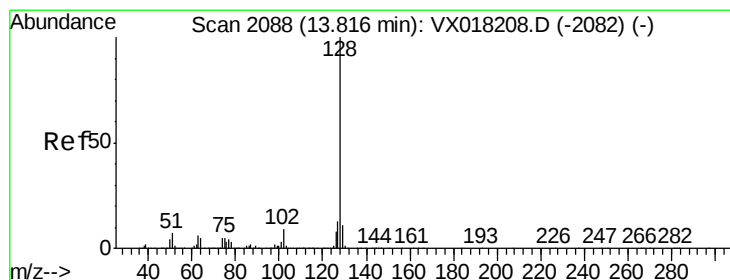
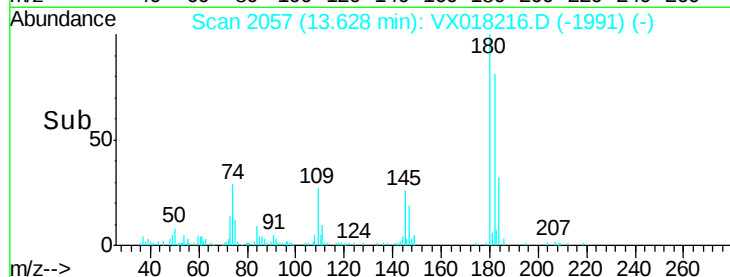
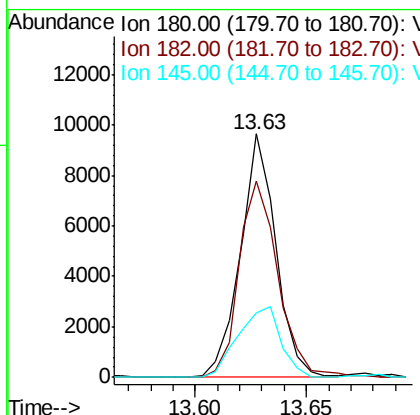
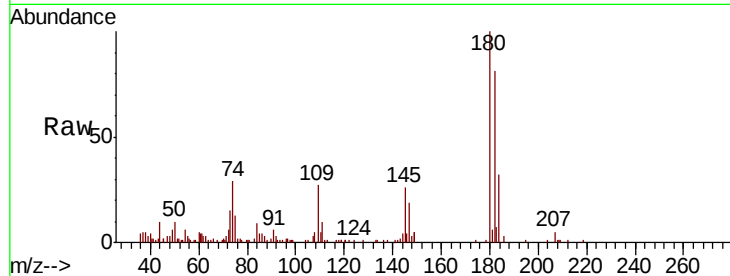




#68
 1,2,4-trichlorobenzene
 Concen: 1.849 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

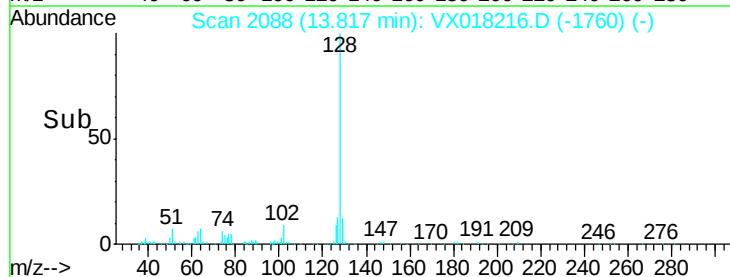
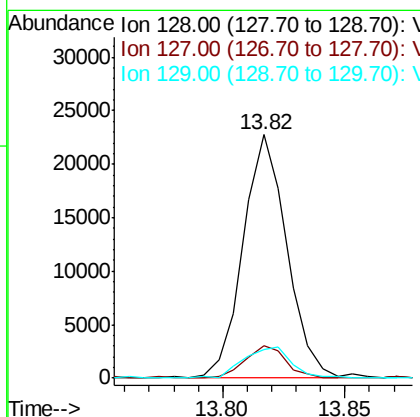
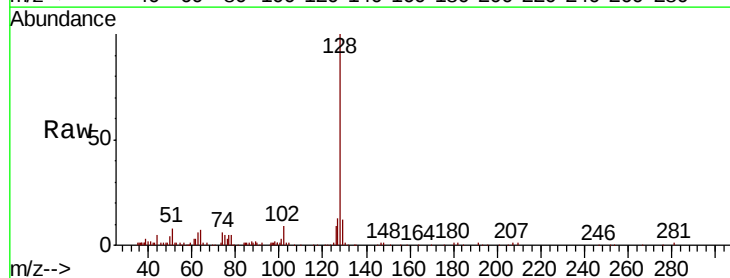
Instrument :
 MSVOA_X
 ClientSampled :
 MDL04

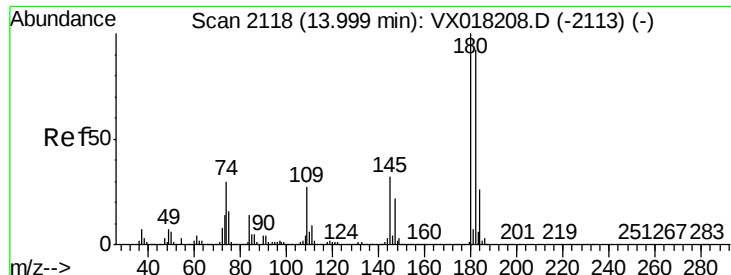
Tot Ion:180 Resp: 10776
 Ion Ratio Lower Upper
 180 100
 182 87.3 74.1 111.1
 145 34.7 25.0 37.4



#69
 Naphthalene
 Concen: 1.544 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

Tgt Ion:128 Resp: 28443
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.0 15.0
 129 13.9 8.6 12.8#





#70
 1,2,3-Trichlorobenzene
 Concen: 1.911 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.3	77.0	115.4
145	31.4	27.2	40.8

