

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092220\
 Data File : VX018538.D
 Acq On : 23 Sep 2020 14:33
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Quant Time: Sep 24 00:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 24 00:42:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	264189	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	257515	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	115767	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	73087	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.70	69	58233	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.34	63	131627	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.56	46	187507	55.44	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.88%
24) Chloroform-d	5.14	84	160471	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	6.03	65	88823	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	6.05	84	304215	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	7.37	67	90387	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	8.70	98	272683	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.99	79	36525	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	9.43	63	143076	51.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.14%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	67613	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
66) 1,2-Dichlorobenzene-d4	12.36	152	99832	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	4182	0.271 ug/L	90
3) Chloromethane	1.31	50	4142	0.315 ug/L	96
6) Bromomethane	1.64	94	3305	0.401 ug/L	95
9) Trichlorofluoromethane	1.92	101	6322	0.280 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	4744	0.368 ug/L	86
12) 1,1-Dichloroethene	2.35	96	4247	0.355 ug/L #	1
13) Acetone	2.46	43	4074	2.153 ug/L	98
14) Carbon disulfide	2.55	76	10624	0.279 ug/L	97
15) Methyl Acetate	2.76	43	1815	0.384 ug/L #	65
16) Methylene chloride	2.84	84	8656	0.537 ug/L	72
17) Methyl tert-butyl Ether	3.16	73	7369	0.273 ug/L #	82
18) trans-1,2-Dichloroethene	3.14	96	3251	0.262 ug/L #	63
19) 1,1-Dichloroethane	3.67	63	5595	0.253 ug/L #	94
21) 2-Butanone	4.67	43	7295	2.623 ug/L	97
22) cis-1,2-Dichloroethene	4.57	96	4003	0.313 ug/L	86
23) Bromochloromethane	4.98	128	578	0.092 ug/L #	36
25) Chloroform	5.18	83	9389	0.388 ug/L	91

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 24 00:42:13 2020
 Response via : Initial Calibration

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

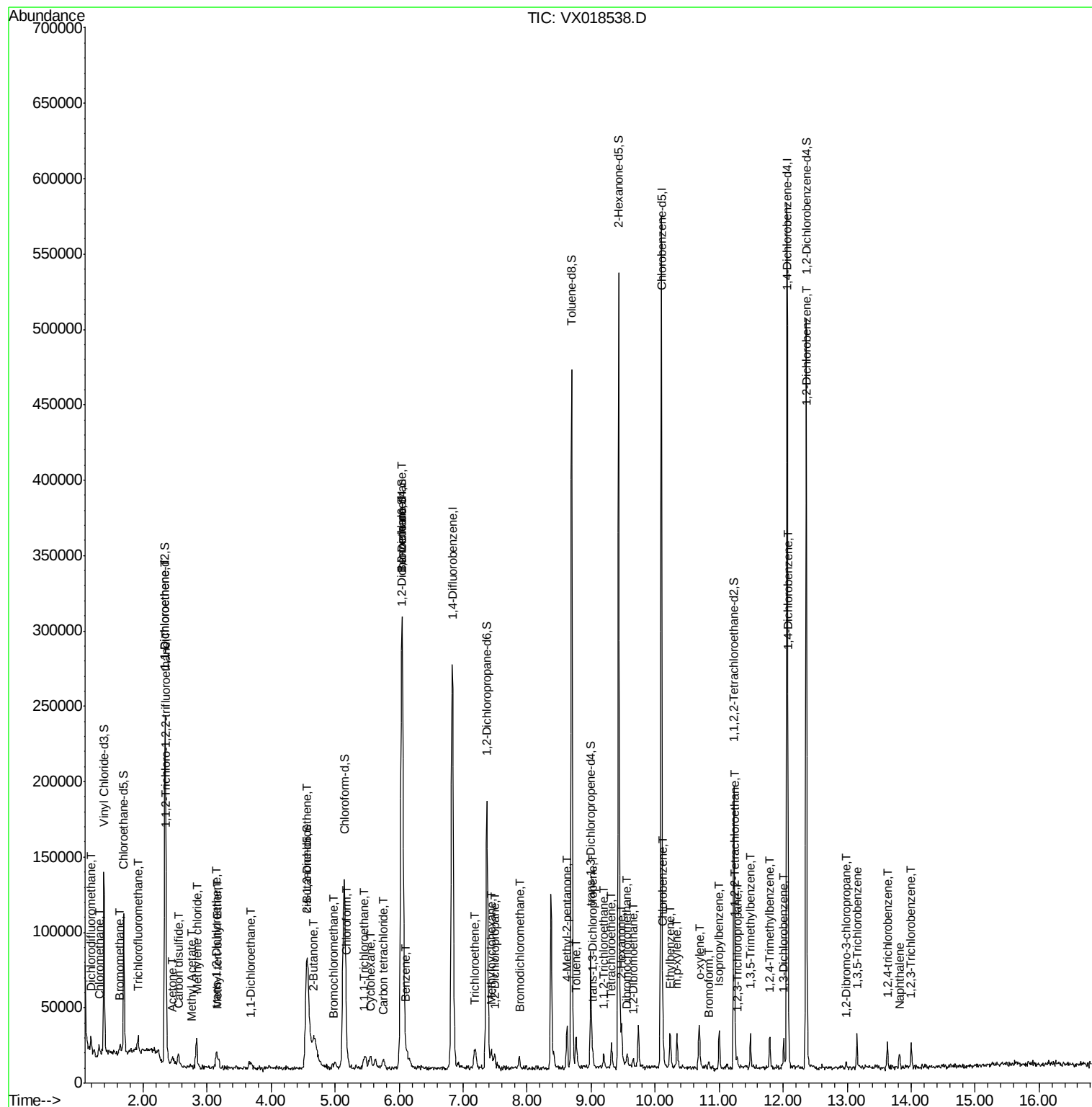
27) 1,2-Dichloroethane	6.04	62	2813	0.183	ug/L	98
29) 1,1,1-Trichloroethane	5.46	97	6194	0.267	ug/L #	90
30) Cyclohexane	5.56	56	5496	0.288	ug/L	94
31) Carbon tetrachloride	5.76	117	5091	0.246	ug/L	93
33) Benzene	6.11	78	11924	0.252	ug/L	100
34) Trichloroethene	7.18	95	4470	0.334	ug/L #	55
35) Methylcyclohexane	7.45	83	5627	0.298	ug/L	98
37) 1,2-Dichloropropane	7.49	63	3716	0.305	ug/L #	94
38) Bromodichloromethane	7.87	83	4171	0.246	ug/L #	54
40) 4-Methyl-2-pentanone	8.62	43	17955	2.655	ug/L #	86
42) Toluene	8.77	91	13469	0.266	ug/L	83
44) trans-1,3-Dichloropropene	9.02	75	3901	0.241	ug/L	97
45) 1,1,2-Trichloroethane	9.19	97	2311	0.264	ug/L #	82
47) Tetrachloroethene	9.32	164	3173	0.285	ug/L #	80
48) 2-Hexanone	9.48	43	15610	3.158	ug/L	96
49) Dibromochloromethane	9.57	129	3264	0.282	ug/L	83
50) 1,2-Dibromoethane	9.65	107	2291	0.275	ug/L #	99
51) Chlorobenzene	10.12	112	9256	0.276	ug/L #	86
52) Ethylbenzene	10.24	91	12557	0.230	ug/L	93
53) m,p-xylene	10.34	106	4578	0.219	ug/L	79
54) o-xylene	10.68	106	4157	0.214	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	3305	0.332	ug/L #	89
59) Bromoform	10.85	173	1682	0.271	ug/L #	84
60) Isopropylbenzene	11.00	105	12331	0.261	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	2293	0.325	ug/L #	73
62) 1,3,5-Trimethylbenzene	11.49	105	9356	0.244	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	8277	0.213	ug/L	97
64) 1,3-Dichlorobenzene	12.01	146	6434	0.267	ug/L	91
65) 1,4-Dichlorobenzene	12.08	146	6826	0.278	ug/L	95
67) 1,2-Dichlorobenzene	12.37	146	6082	0.270	ug/L #	82
68) 1,2-Dibromo-3-chloropropan	12.98	75	757	0.390	ug/L #	56
69) 1,3,5-Trichlorobenzene	13.16	180	5120	0.289	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	3820	0.260	ug/L	95
71) Naphthalene	13.82	128	5466	0.224	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.00	180	3636	0.273	ug/L #	81

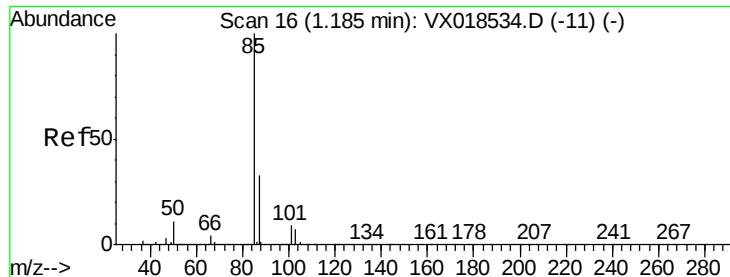
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.271 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

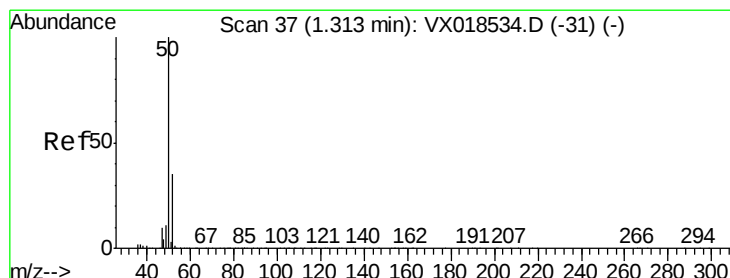
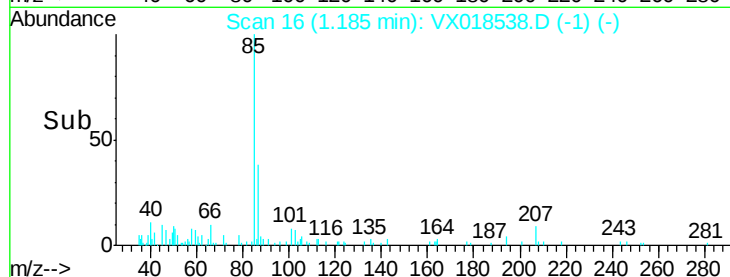
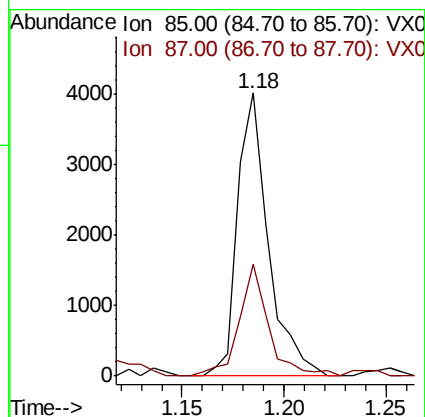
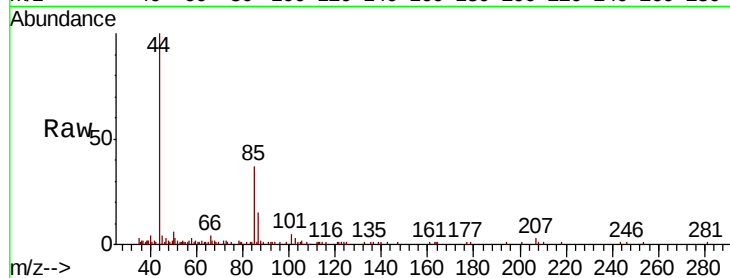
MDL02

Tot Ion: 85 Resp: 4182

Ion Ratio Lower Upper

85 100

87 37.7 25.8 38.8



#3

Chloromethane

Concen: 0.315 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.01 min

Lab File: VX018538.D

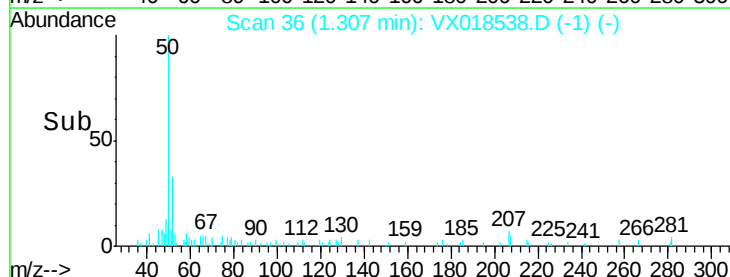
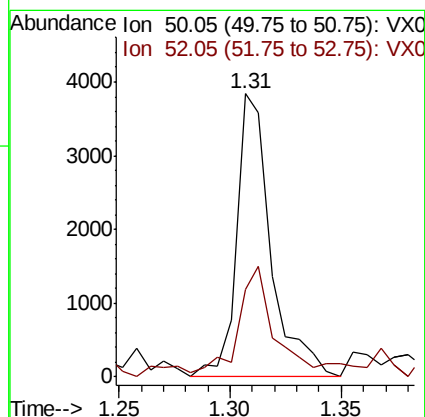
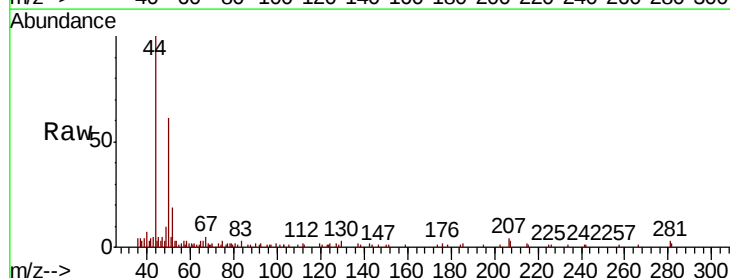
Acq: 23 Sep 2020 14:33

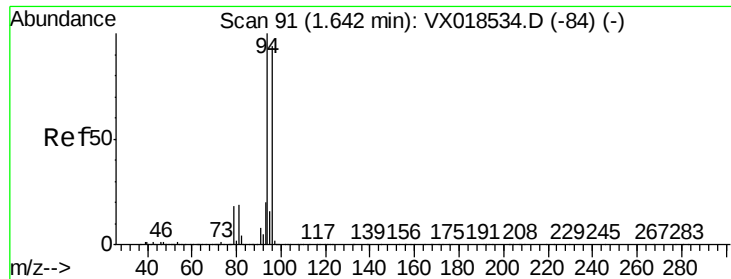
Tgt Ion: 50 Resp: 4142

Ion Ratio Lower Upper

50 100

52 30.8 23.1 42.9





#6

Bromomethane

Concen: 0.401 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

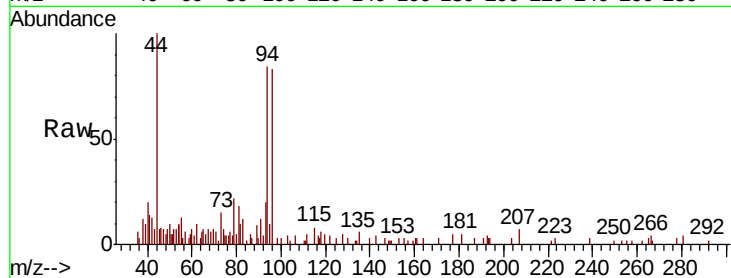
MDL02

Tot Ion: 94 Resp: 3305

Ion Ratio Lower Upper

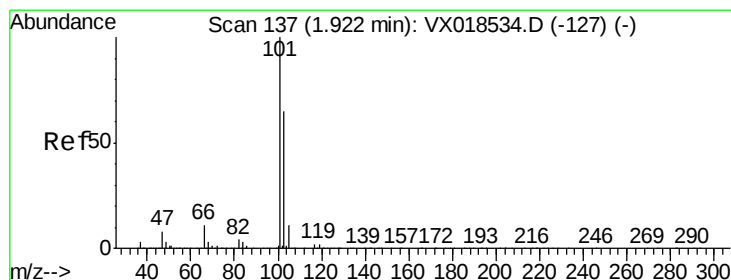
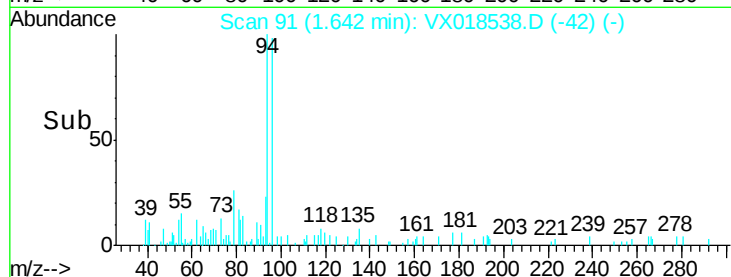
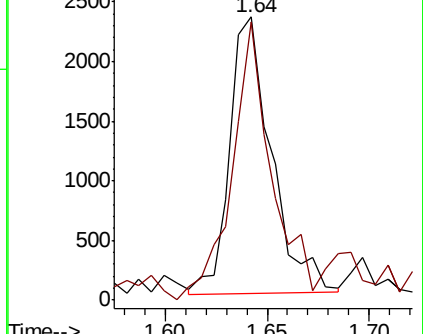
94 100

96 98.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#9

Trichlorofluoromethane

Concen: 0.280 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX018538.D

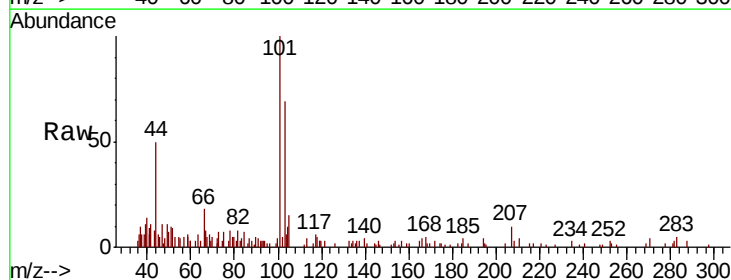
Acq: 23 Sep 2020 14:33

Tgt Ion: 101 Resp: 6322

Ion Ratio Lower Upper

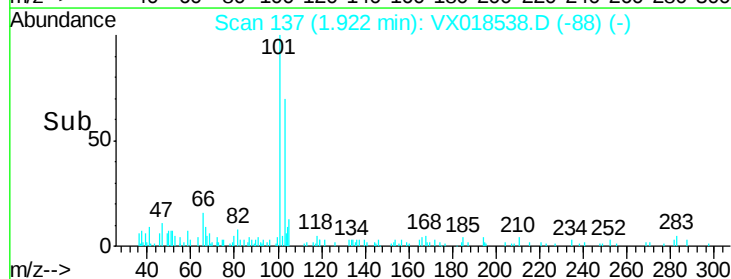
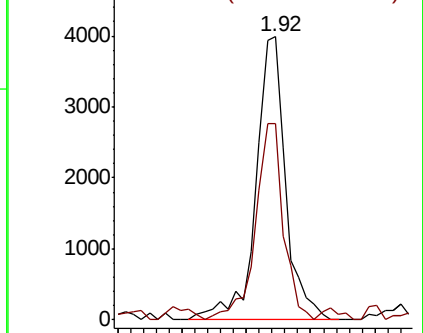
101 100

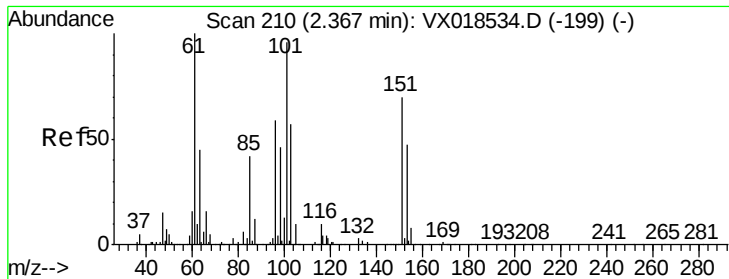
103 65.4 50.2 75.2



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: 0.368 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

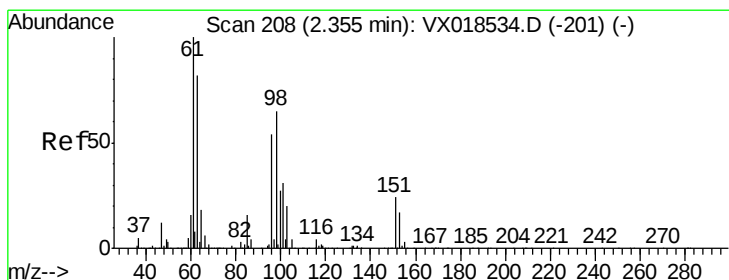
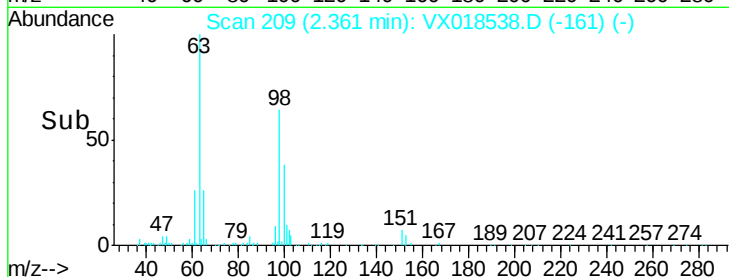
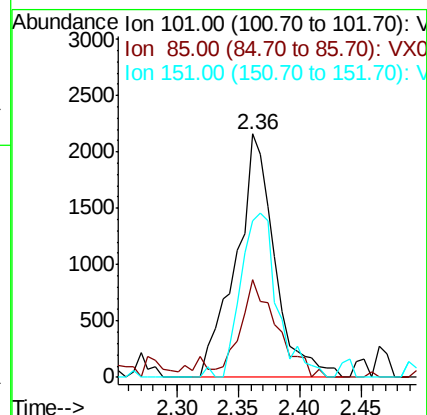
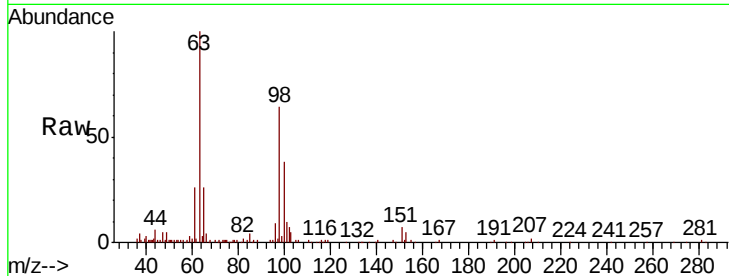
Tot Ion:101 Resp: 4744

Ion Ratio Lower Upper

101 100

85 37.9 35.9 53.9

151 63.9 62.4 93.6



#12

1,1-Dichloroethene

Concen: 0.355 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

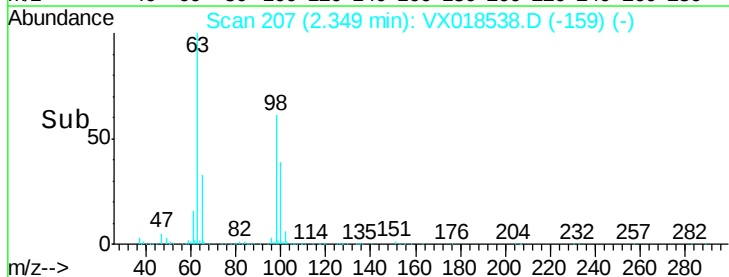
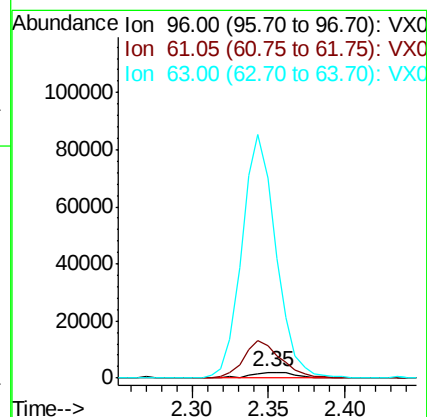
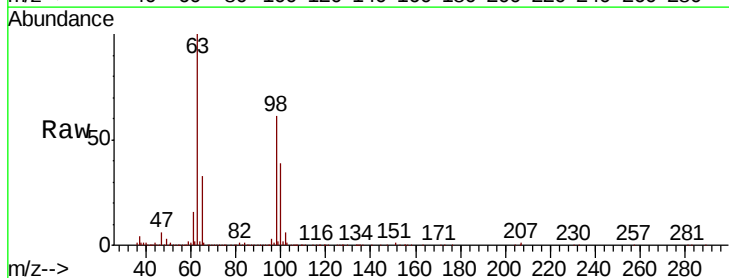
Tgt Ion: 96 Resp: 4247

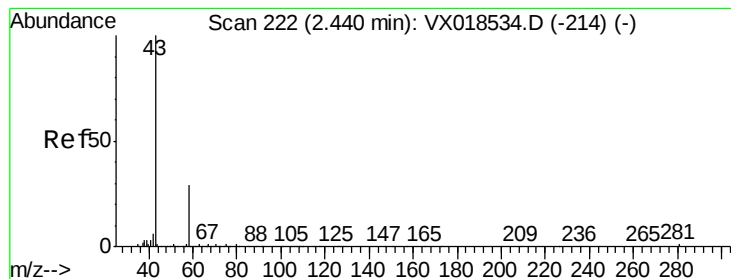
Ion Ratio Lower Upper

96 100

61 545.9 128.9 239.3#

63 3428.7 105.6 196.2#





#13

Acetone

Concen: 2.153 ug/L

RT: 2.46 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

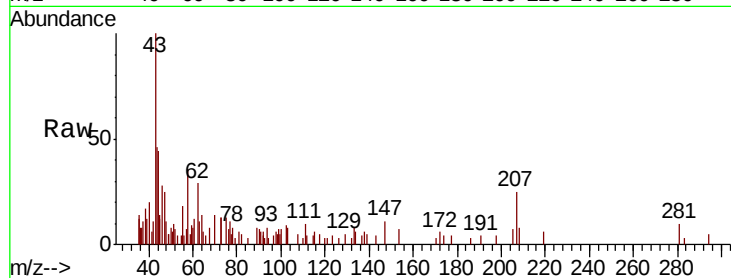
MDL02

Tot Ion: 43 Resp: 4074

Ion Ratio Lower Upper

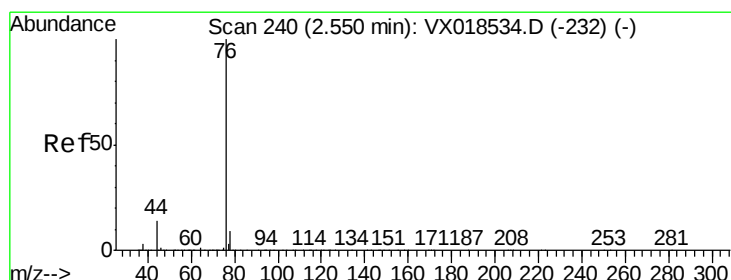
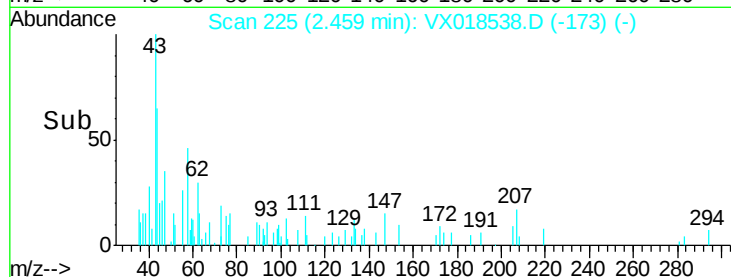
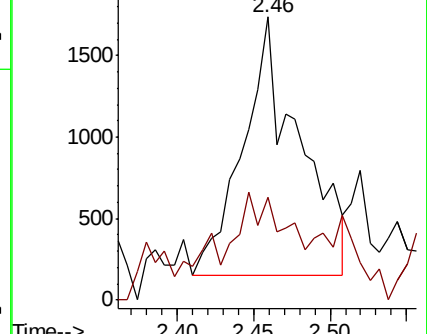
43 100

58 28.0 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.279 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018538.D

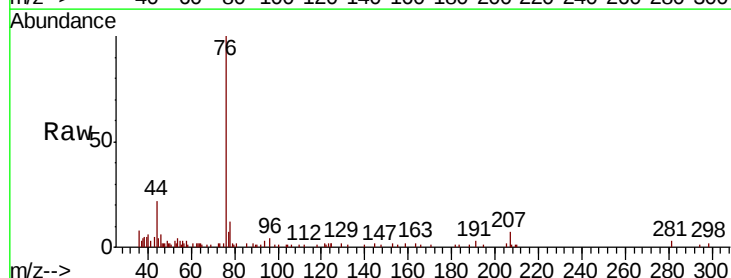
Acq: 23 Sep 2020 14:33

Tgt Ion: 76 Resp: 10624

Ion Ratio Lower Upper

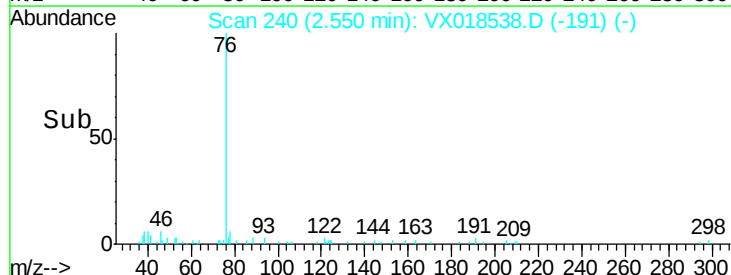
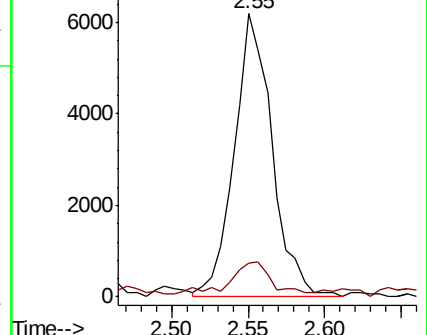
76 100

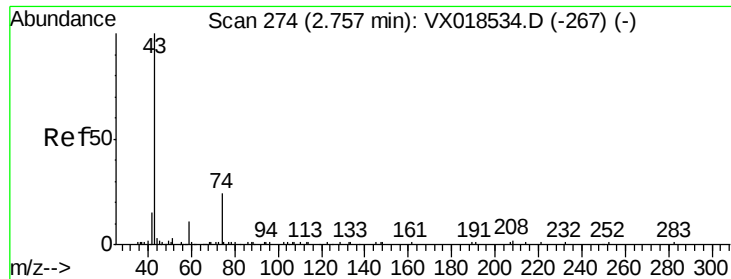
78 11.9 8.5 12.7



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 0.384 ug/L

RT: 2.76 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

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ClientSampled :

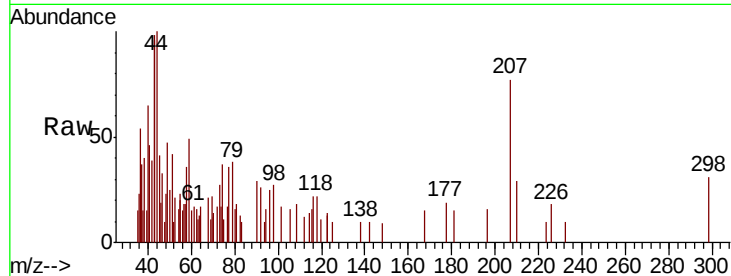
MDL02

Tot Ion: 43 Resp: 1815

Ion Ratio Lower Upper

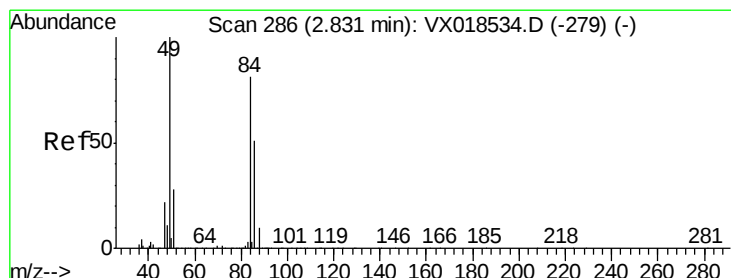
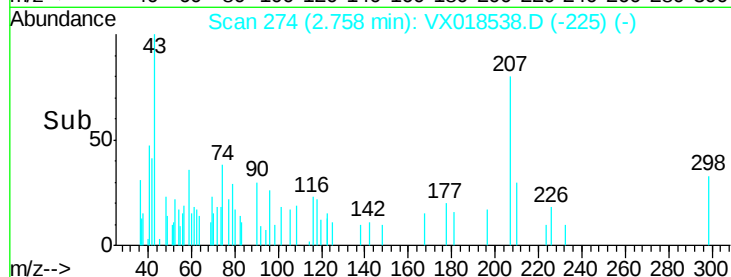
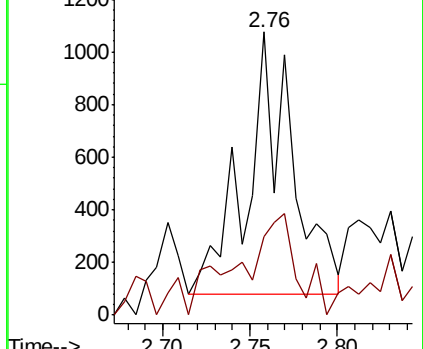
43 100

74 35.6 15.8 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 0.537 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

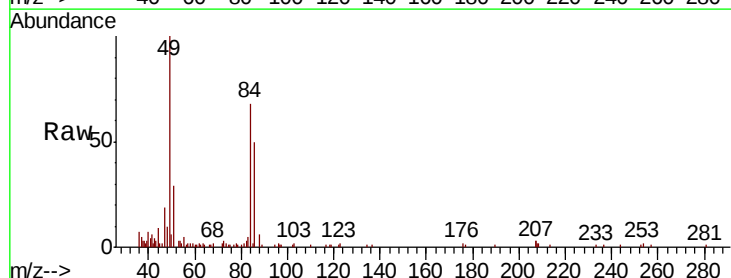
Tgt Ion: 84 Resp: 8656

Ion Ratio Lower Upper

84 100

86 73.8 39.8 74.0

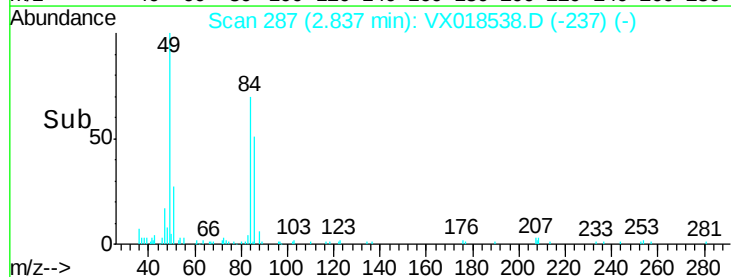
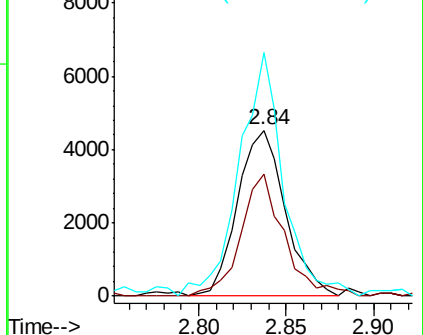
49 146.8 79.5 147.6

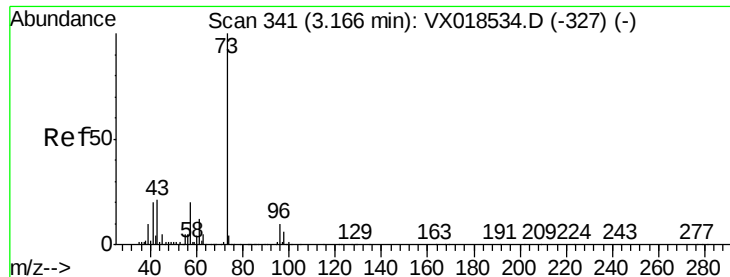


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0





#17

Methyl tert-butyl Ether

Concen: 0.273 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

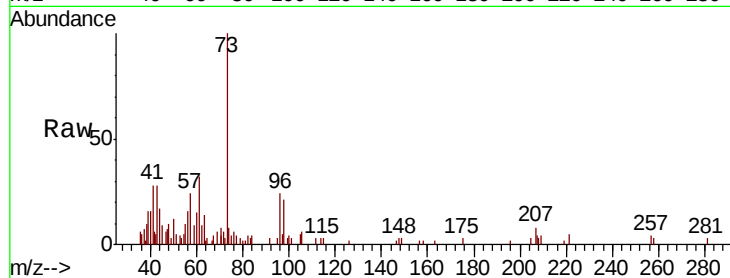
Tot Ion: 73 Resp: 7369

Ion Ratio Lower Upper

73 100

43 21.4 18.3 27.5

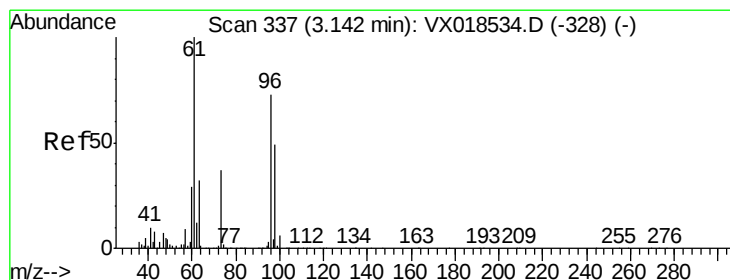
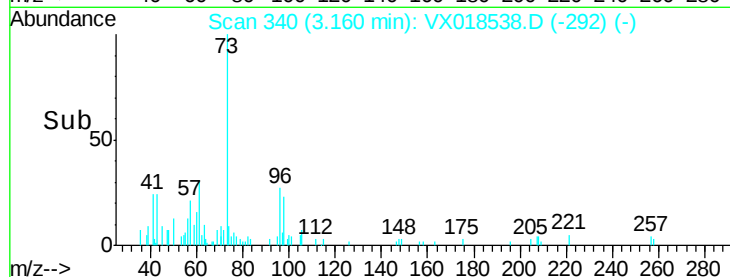
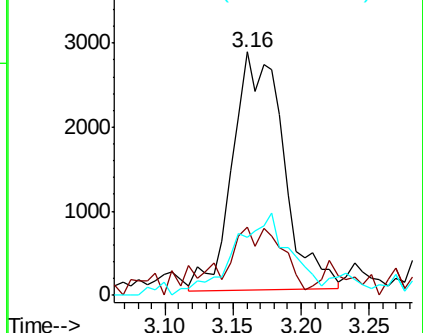
57 38.1 18.0 27.0#



Abundance Ion 73.10 (72.80 to 73.80): VX0

Ion 43.05 (42.75 to 43.75): VX0

Ion 57.10 (56.80 to 57.80): VX0



#18

trans-1,2-Dichloroethene

Concen: 0.262 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

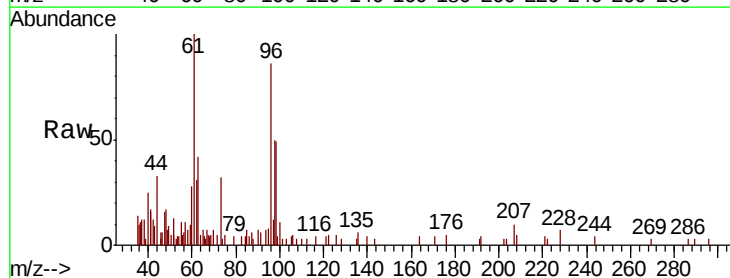
Tgt Ion: 96 Resp: 3251

Ion Ratio Lower Upper

96 100

61 116.6 102.6 190.6

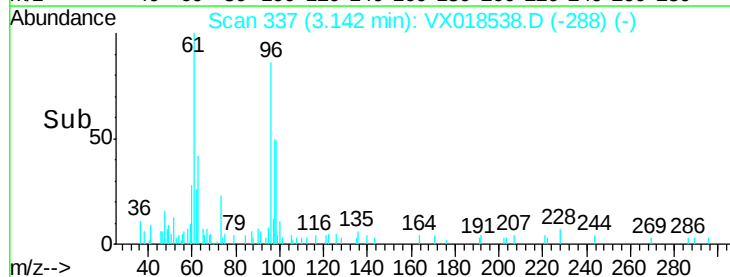
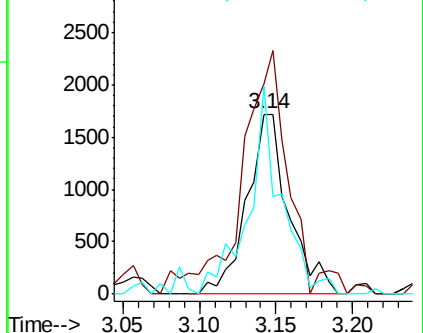
98 115.7 45.2 84.0#

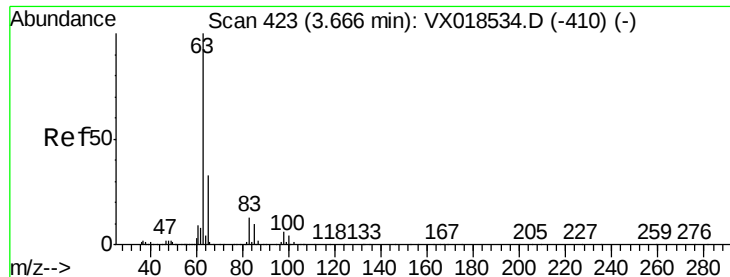


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0





#19

1,1-Dichloroethane

Concen: 0.253 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

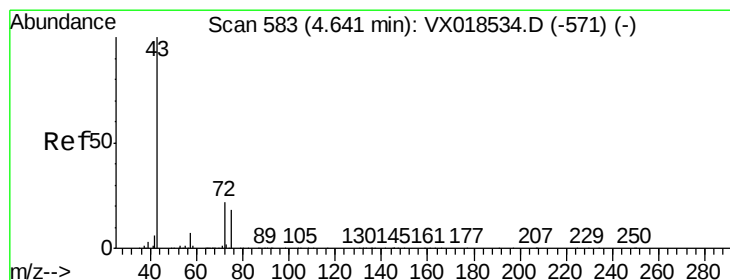
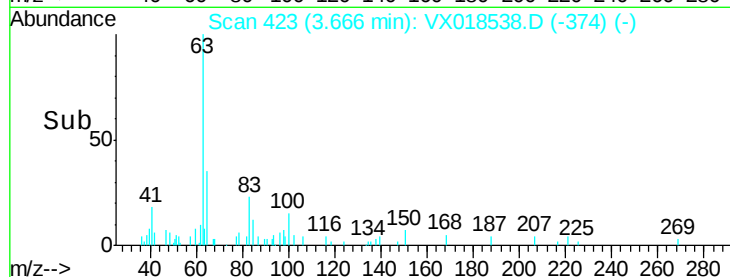
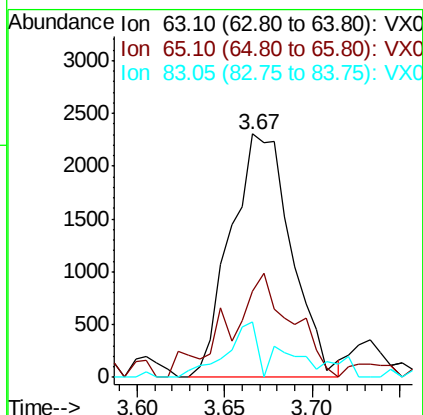
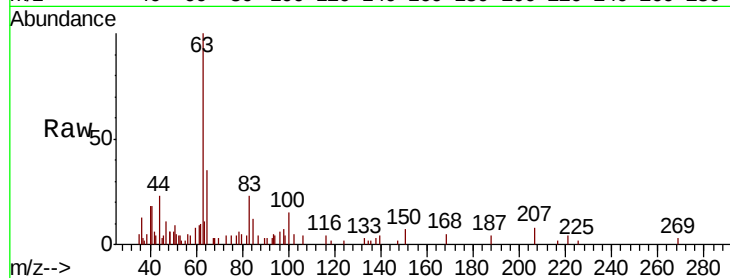
Tot Ion: 63 Resp: 5595

Ion Ratio Lower Upper

63 100

65 31.5 21.7 40.3

83 20.7 10.0 18.6#



#21

2-Butanone

Concen: 2.623 ug/L

RT: 4.67 min Scan# 588

Delta R.T. 0.03 min

Lab File: VX018538.D

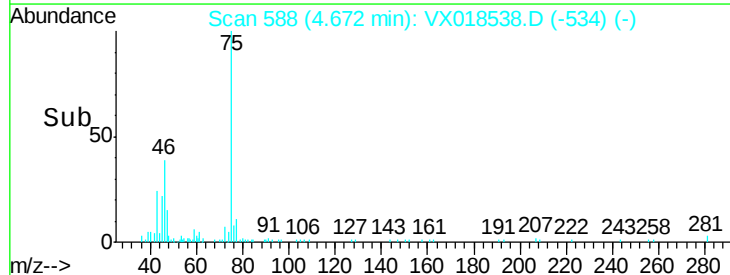
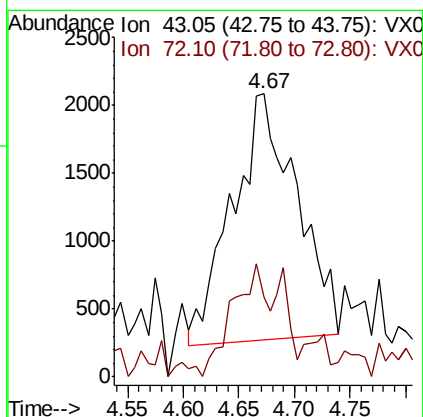
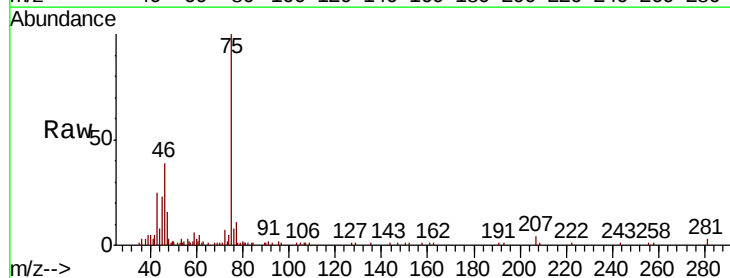
Acq: 23 Sep 2020 14:33

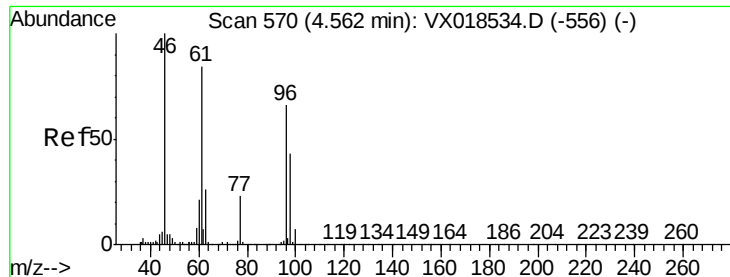
Tgt Ion: 43 Resp: 7295

Ion Ratio Lower Upper

43 100

72 24.3 13.0 38.9

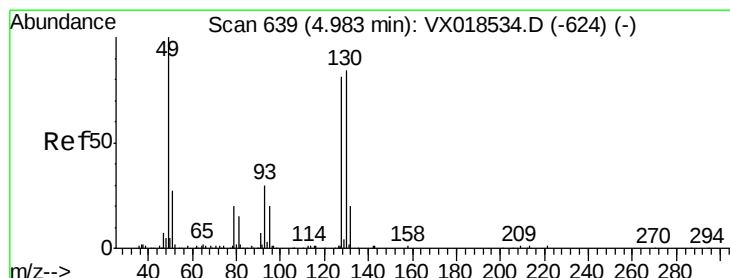
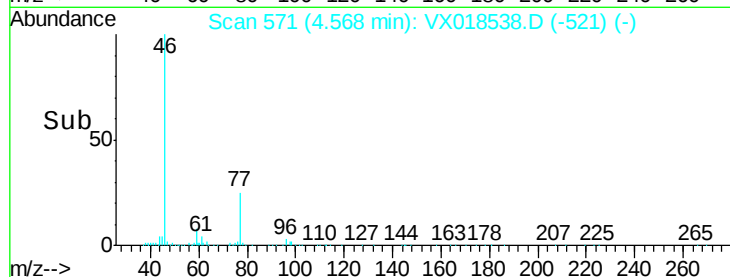
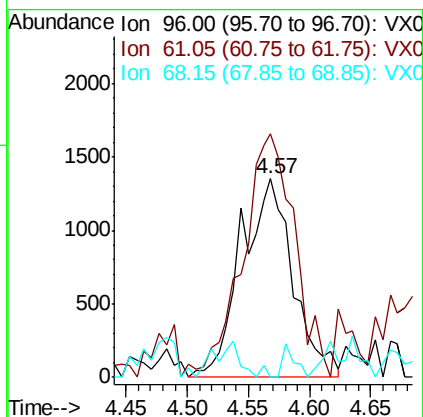
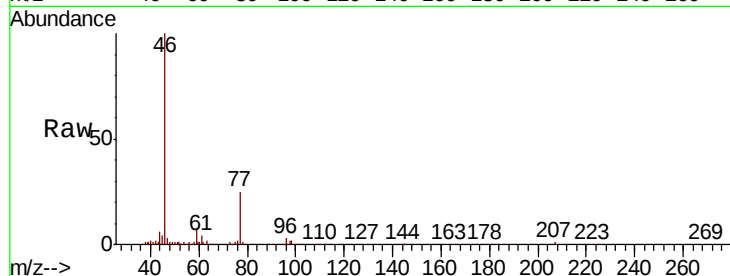




#22
 cis-1,2-Dichloroethene
 Concen: 0.313 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

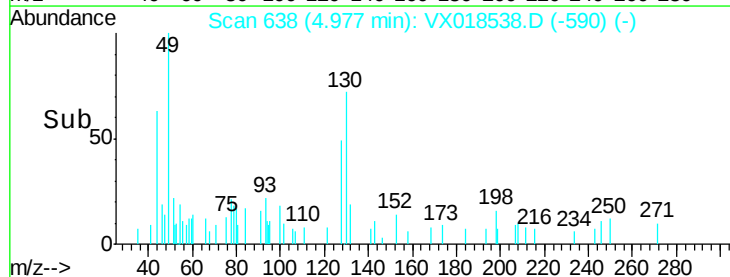
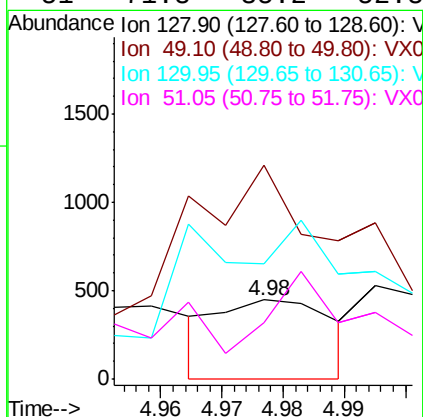
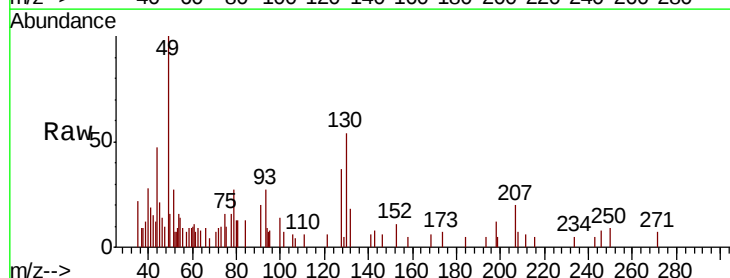
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

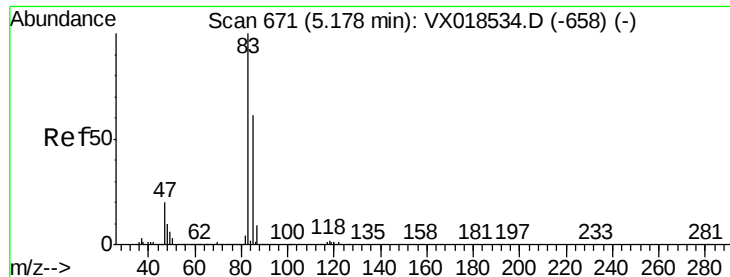
Tot Ion: 96 Resp: 4003
 Ion Ratio Lower Upper
 96 100
 61 122.8 97.5 181.1
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.092 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

Tgt Ion: 128 Resp: 578
 Ion Ratio Lower Upper
 128 100
 49 270.5 99.6 185.0#
 130 146.5 83.6 155.2
 51 71.8 35.2 52.8#





#25

Chloroform

Concen: 0.388 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

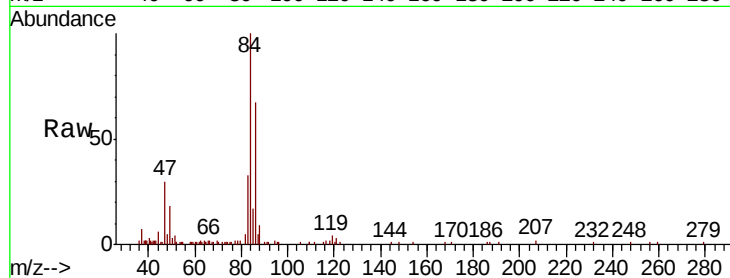
MDL02

Tot Ion: 83 Resp: 9389

Ion Ratio Lower Upper

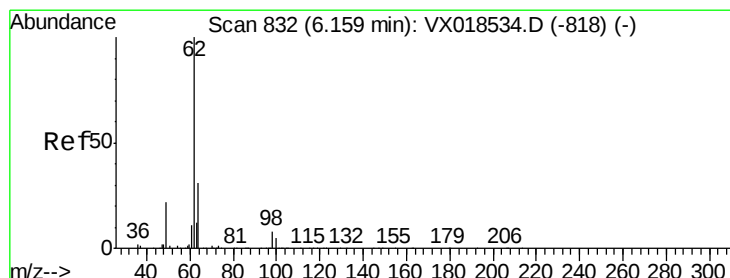
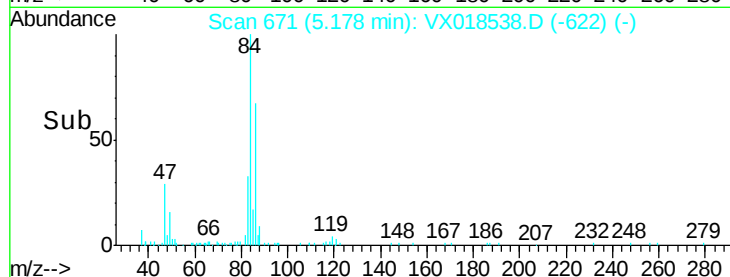
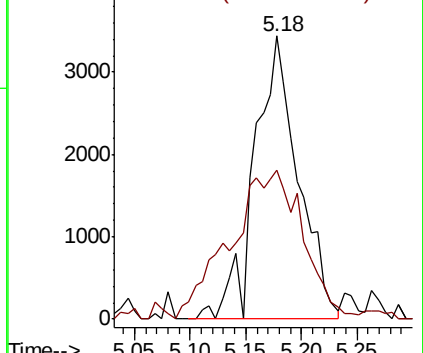
83 100

85 52.4 41.6 77.3



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 0.183 ug/L

RT: 6.04 min Scan# 813

Delta R.T. -0.12 min

Lab File: VX018538.D

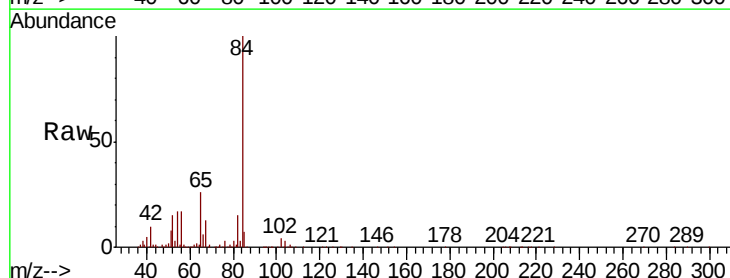
Acq: 23 Sep 2020 14:33

Tgt Ion: 62 Resp: 2813

Ion Ratio Lower Upper

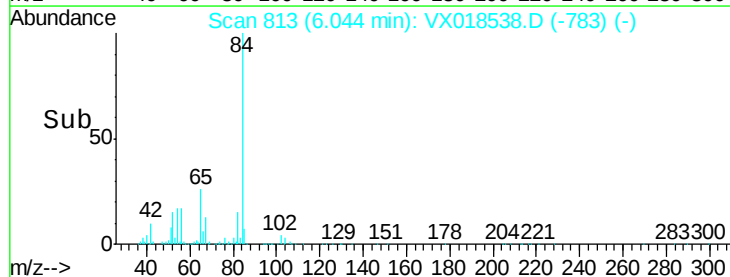
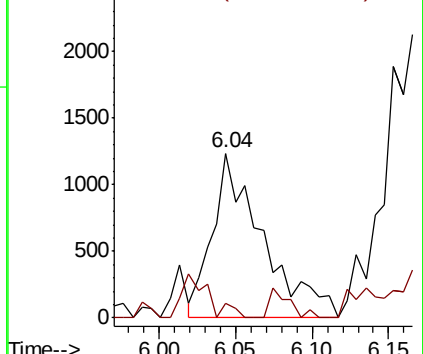
62 100

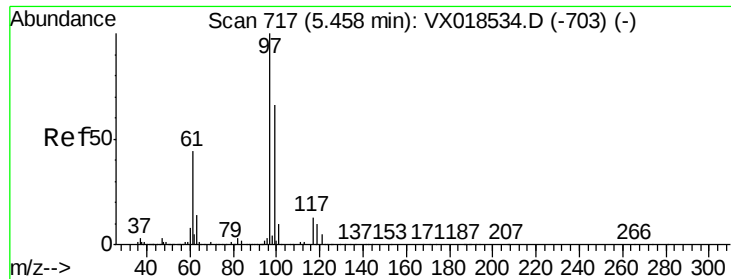
98 8.6 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

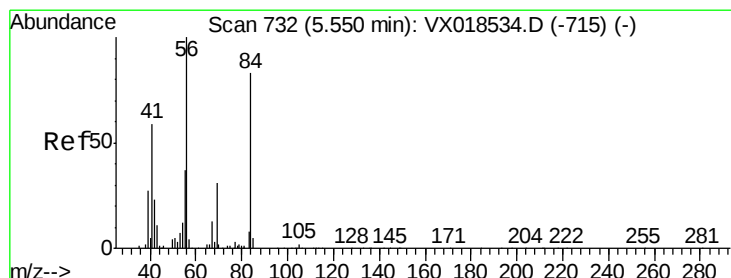
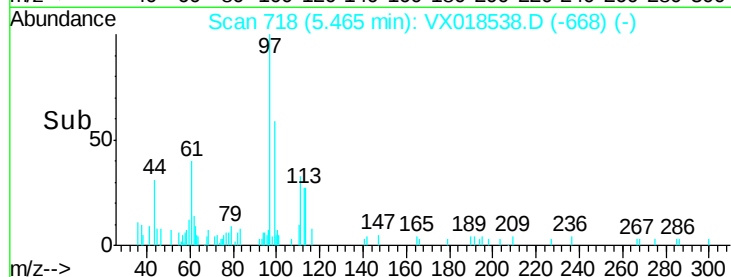
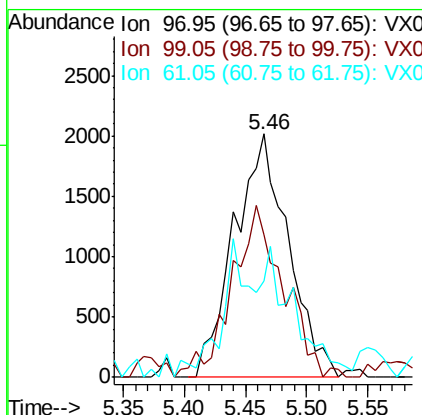
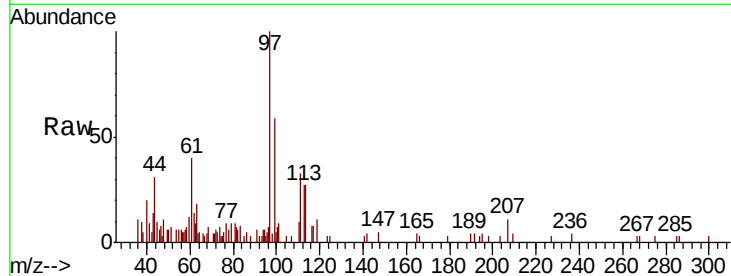




#29
 1,1,1-Trichloroethane
 Concen: 0.267 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

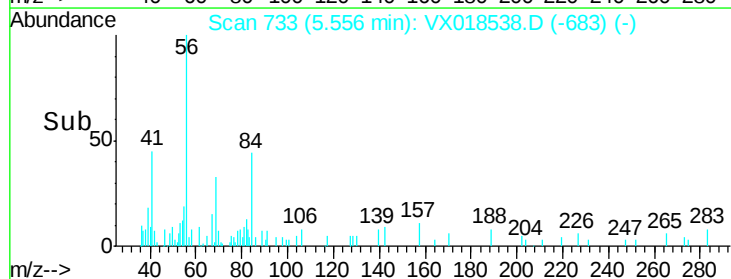
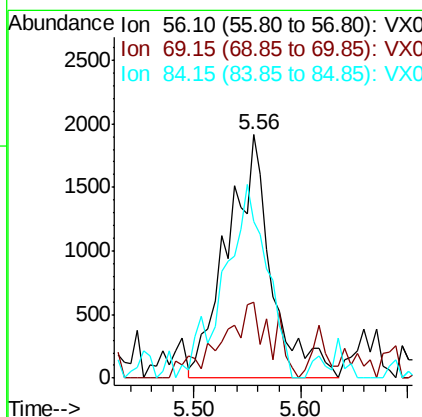
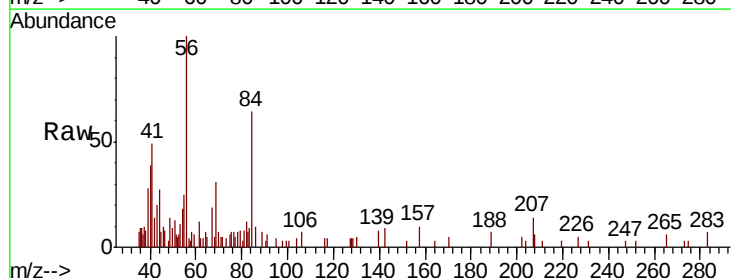
Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

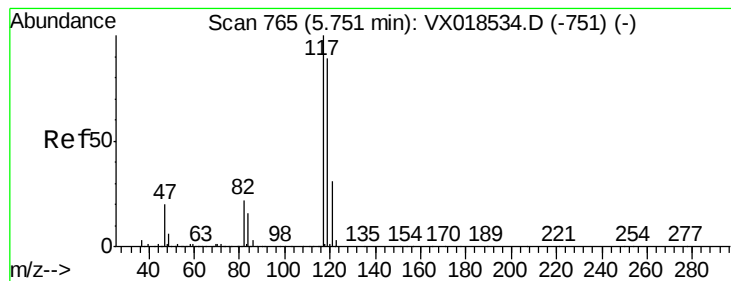
Tot Ion: 97 Resp: 6194
 Ion Ratio Lower Upper
 97 100
 99 67.5 53.6 80.4
 61 27.8 34.8 52.2#



#30
 Cyclohexane
 Concen: 0.288 ug/L
 RT: 5.56 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

Tgt Ion: 56 Resp: 5496
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.7 37.1
 84 78.2 68.6 103.0





#31

Carbon tetrachloride

Concen: 0.246 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

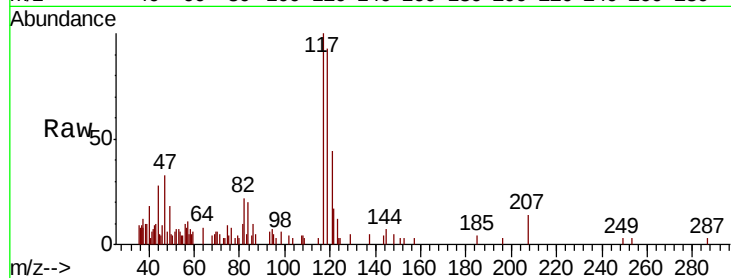
MDL02

Tot Ion:117 Resp: 5091

Ion Ratio Lower Upper

117 100

119 104.4 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

2000

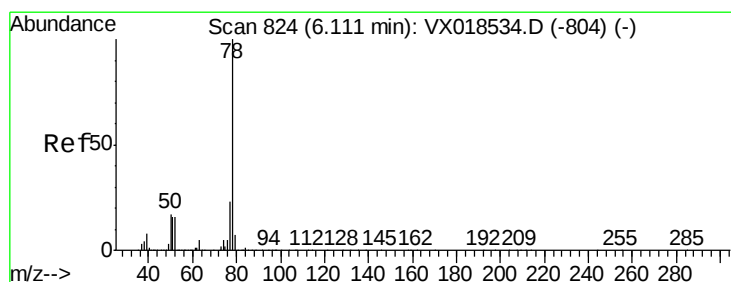
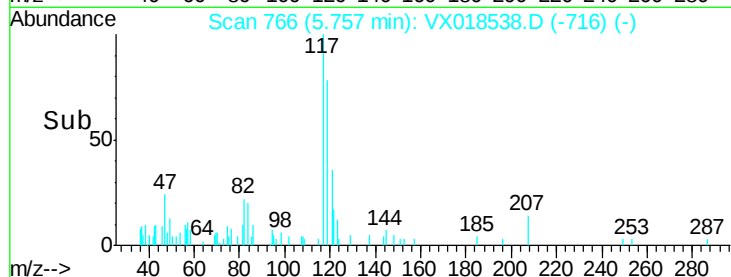
1500

1000

500

0

Time--> 5.65 5.70 5.75 5.80



#33

Benzene

Concen: 0.252 ug/L

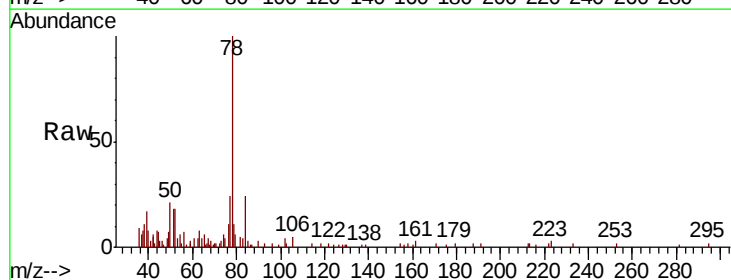
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Tgt Ion: 78 Resp: 11924



Abundance Ion 78.10 (77.80 to 78.80): VX0

5000

4000

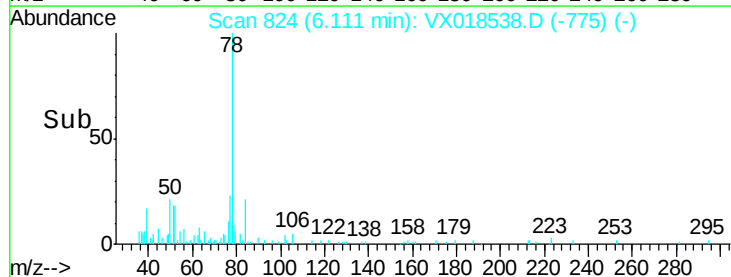
3000

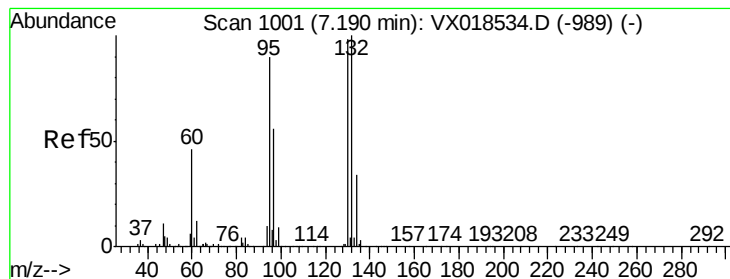
2000

1000

0

Time--> 6.05 6.10 6.15 6.20





#34

Trichloroethene

Concen: 0.334 ug/L

RT: 7.18 min Scan# 999

Delta R.T. -0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 95 Resp: 4470

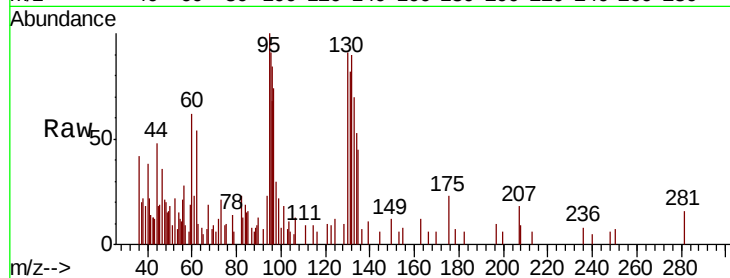
Ion Ratio Lower Upper

95 100

97 54.1 44.0 81.8

132 47.0 74.1 137.7#

130 47.9 71.7 133.1#

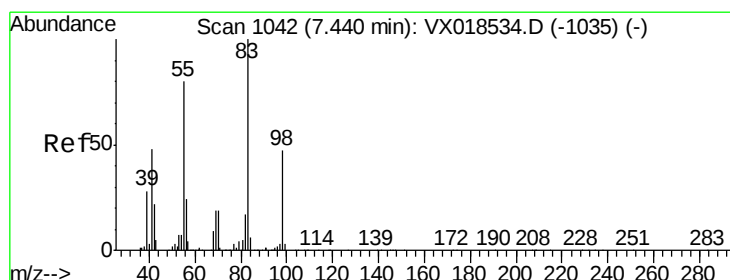
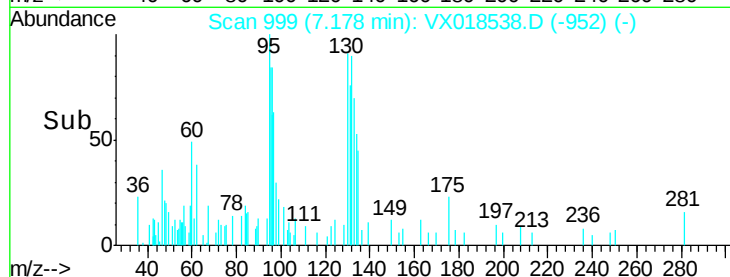
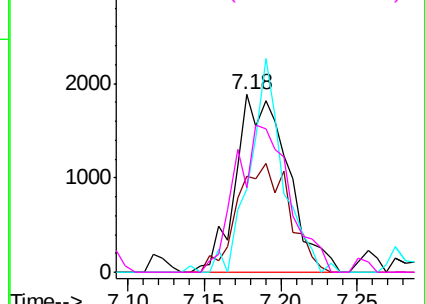


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.298 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

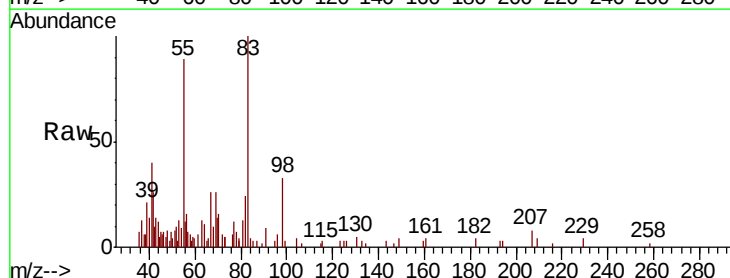
Tgt Ion: 83 Resp: 5627

Ion Ratio Lower Upper

83 100

55 83.8 65.7 98.5

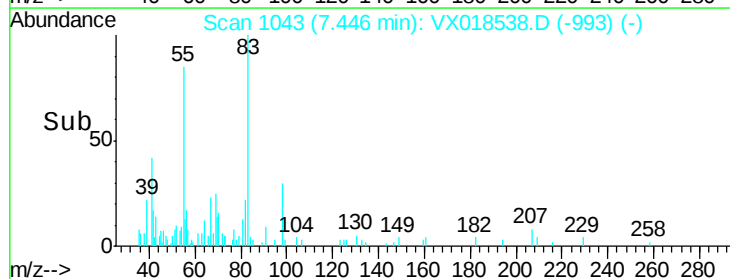
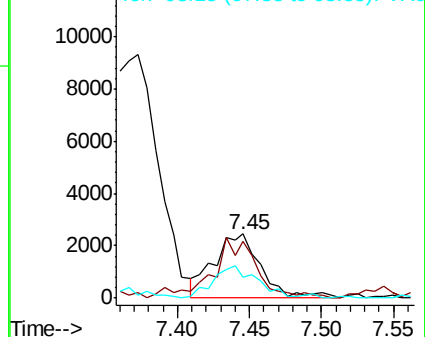
98 46.7 37.8 56.8

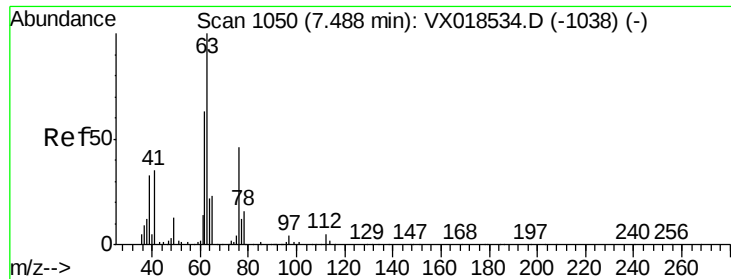


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 0.305 ug/L

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

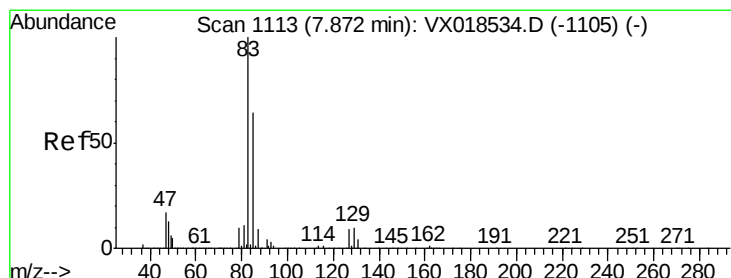
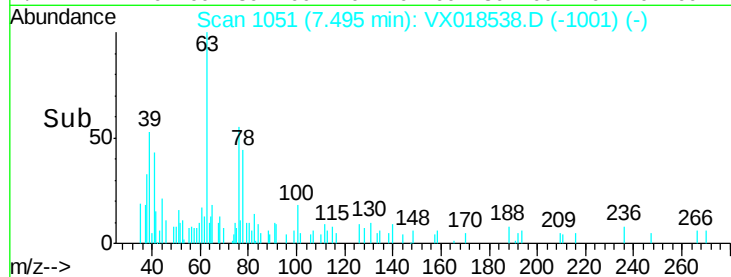
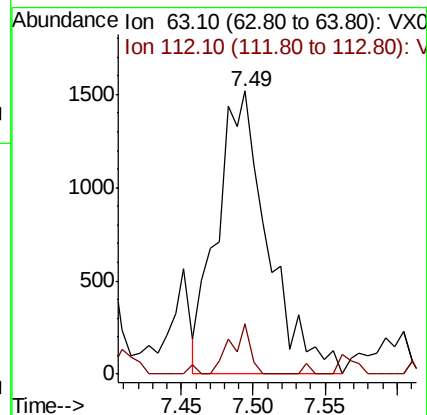
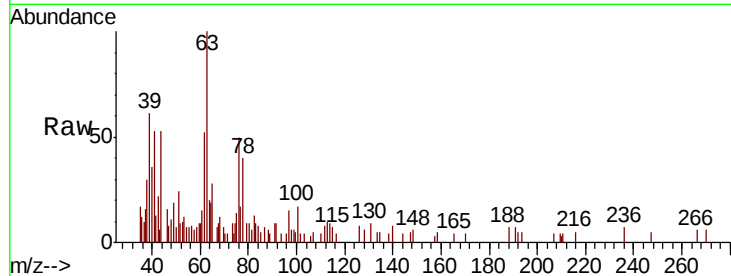
MDL02

Tot Ion: 63 Resp: 3716

Ion Ratio Lower Upper

63 100

112 7.0 4.1 6.1#



#38

Bromodichloromethane

Concen: 0.246 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

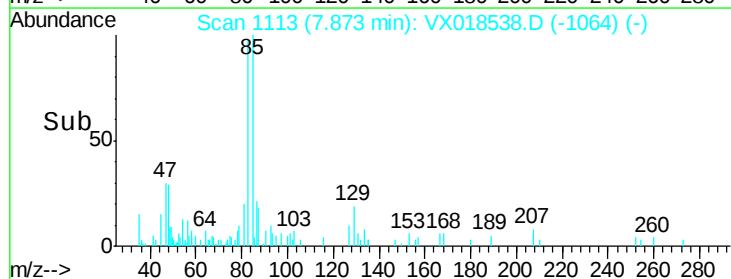
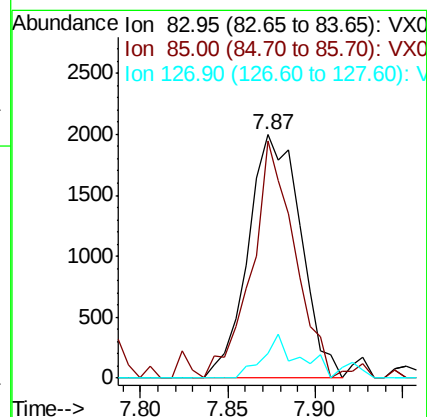
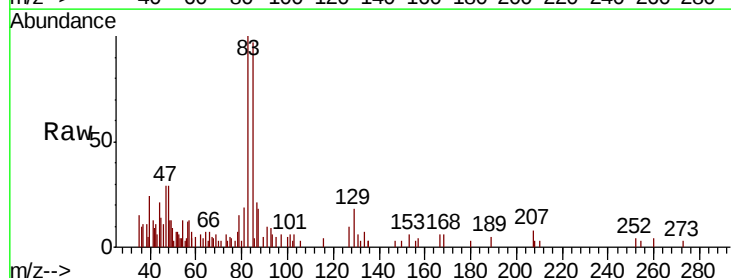
Tgt Ion: 83 Resp: 4171

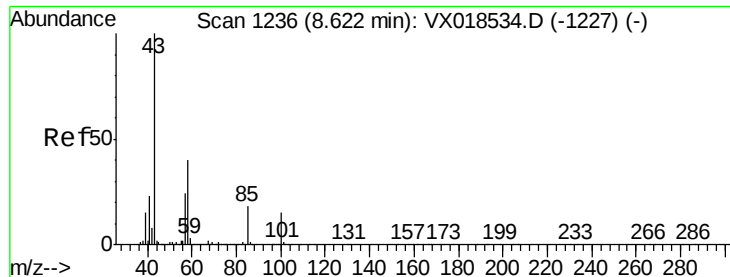
Ion Ratio Lower Upper

83 100

85 101.7 42.9 79.7#

127 10.2 7.2 10.8





#40

4-Methyl-2-pentanone

Concen: 2.655 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

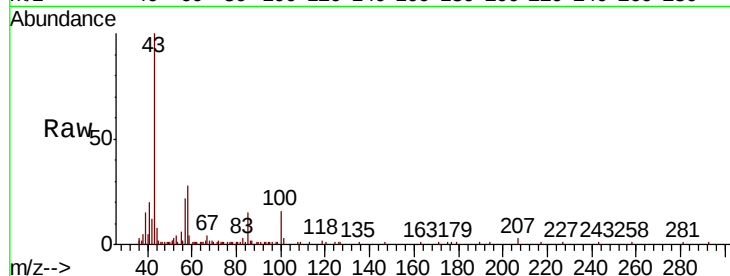
Tot Ion: 43 Resp: 17955

Ion Ratio Lower Upper

43 100

58 33.6 29.8 44.8

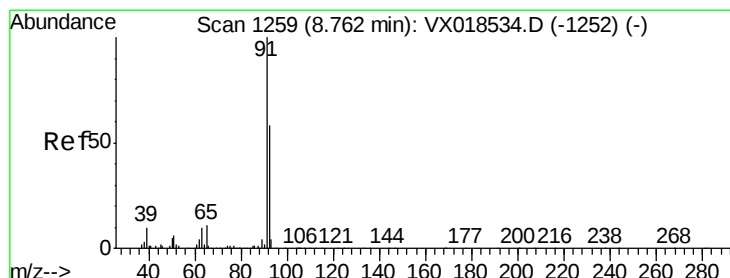
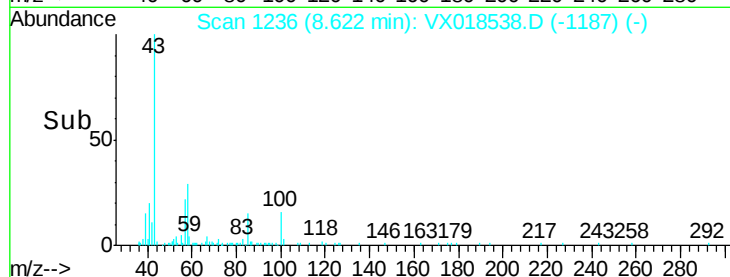
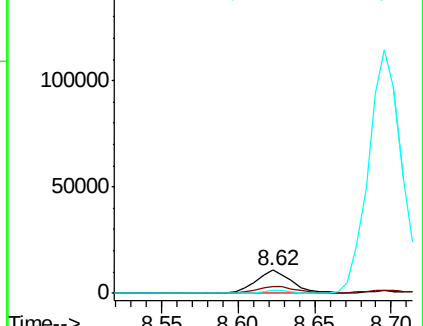
100 0.0 11.5 17.3#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): VX0



#42

Toluene

Concen: 0.266 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX018538.D

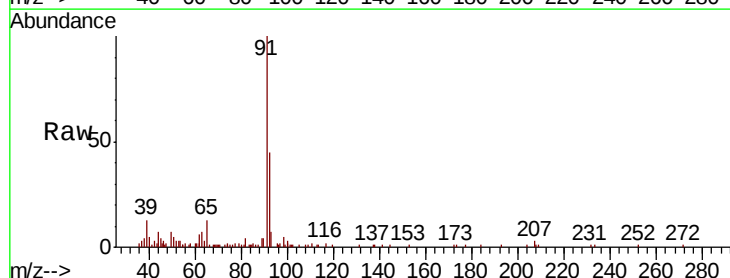
Acq: 23 Sep 2020 14:33

Tgt Ion: 91 Resp: 13469

Ion Ratio Lower Upper

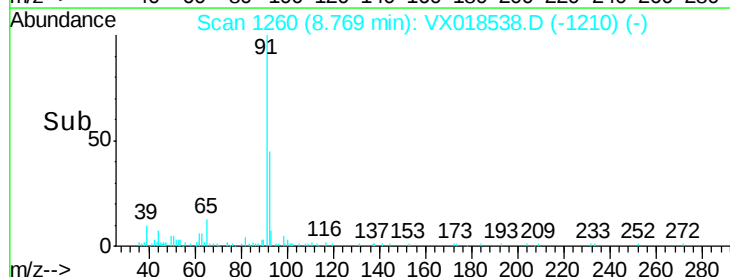
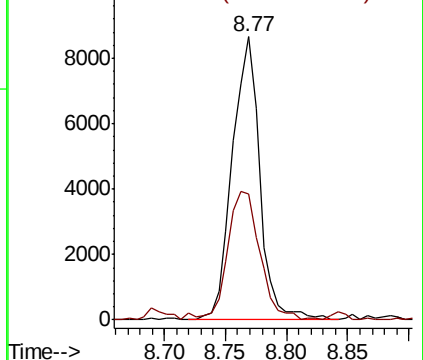
91 100

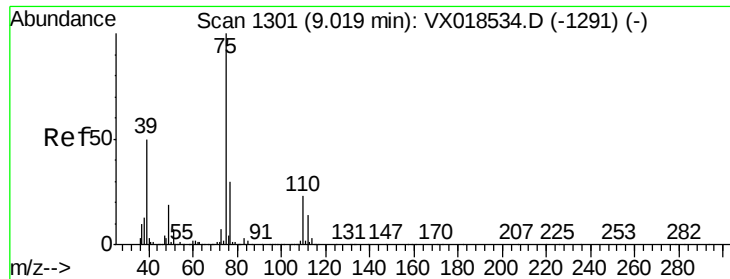
92 44.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0





#44

trans-1,3-Dichloropropene

Concen: 0.241 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampled :

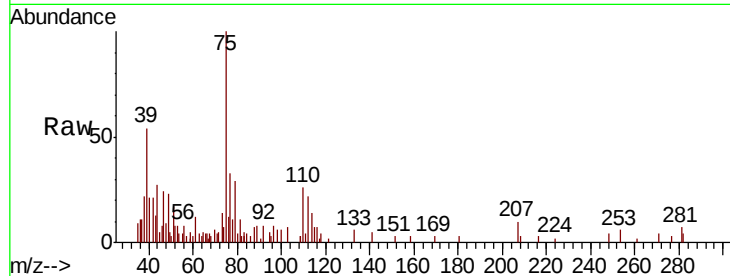
MDL02

Tot Ion: 75 Resp: 3901

Ion Ratio Lower Upper

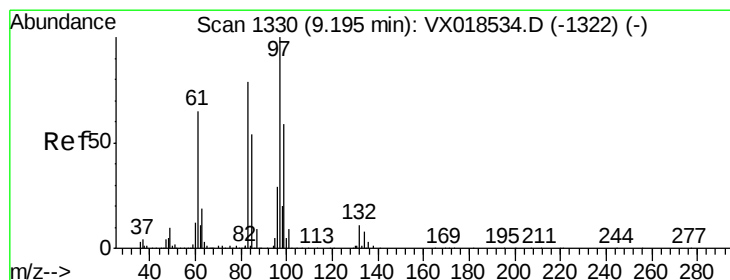
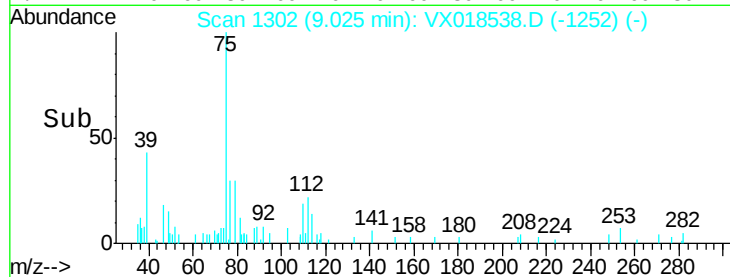
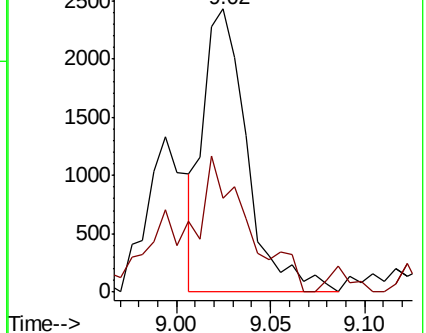
75 100

77 33.2 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



#45

1,1,2-Trichloroethane

Concen: 0.264 ug/L

RT: 9.19 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Tgt Ion: 97 Resp: 2311

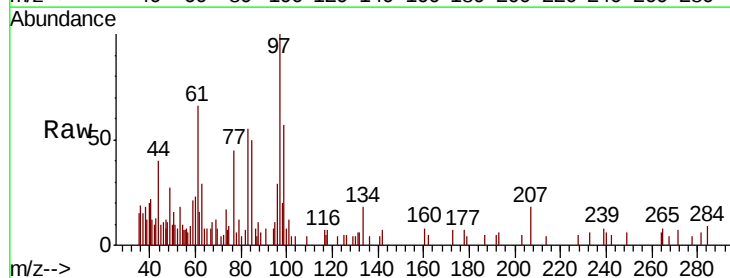
Ion Ratio Lower Upper

97 100

99 64.9 45.2 84.0

83 55.0 60.9 113.1#

85 49.8 41.9 77.7

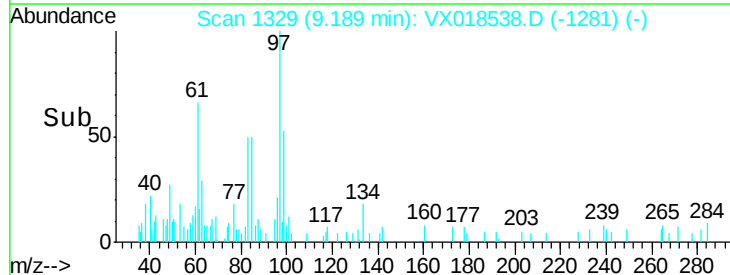
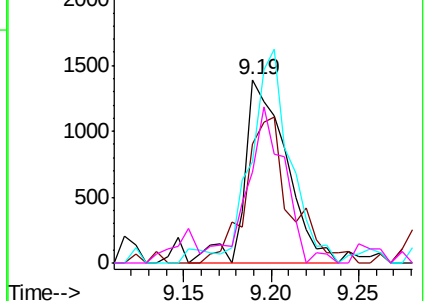


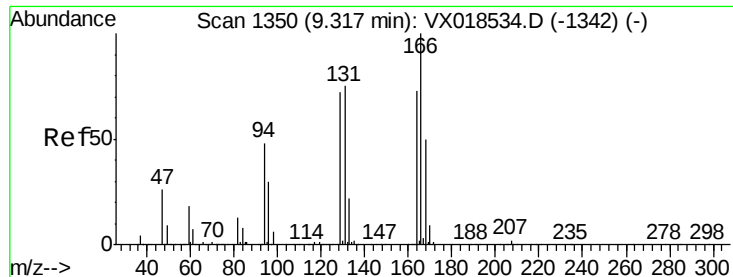
Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0





#47

Tetrachloroethene

Concen: 0.285 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:164 Resp: 3173

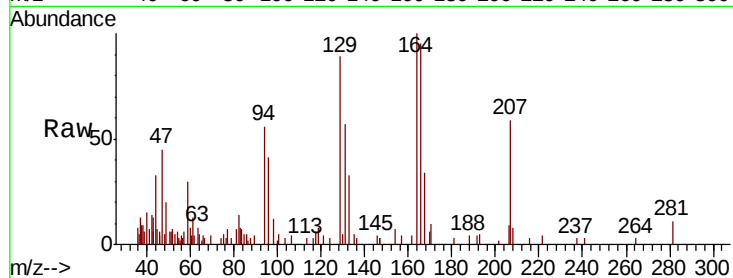
Ion Ratio Lower Upper

164 100

129 88.7 62.3 115.7

131 56.7 64.5 119.7#

166 94.8 82.5 153.1

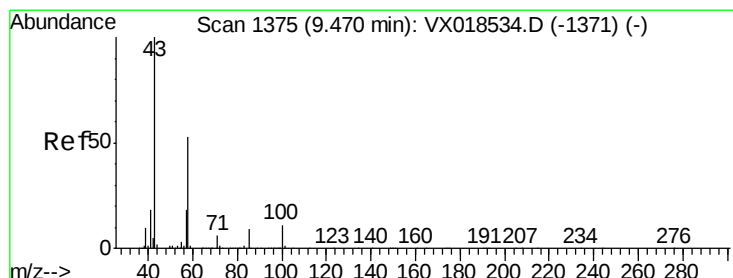
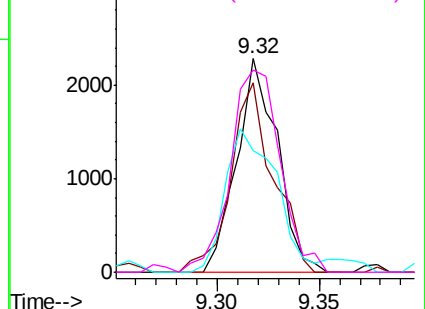
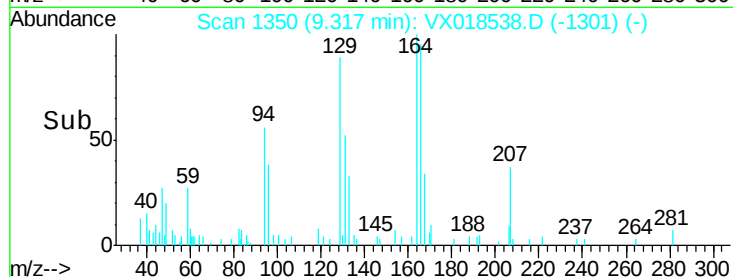


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.158 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Tgt Ion: 43 Resp: 15610

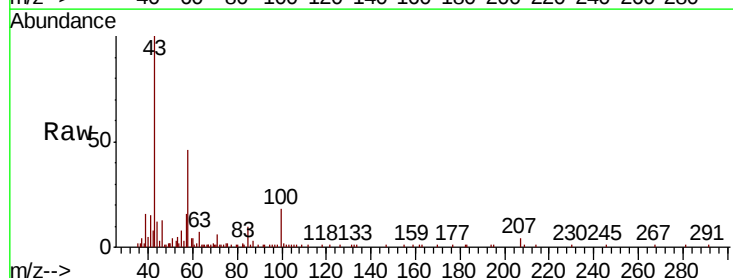
Ion Ratio Lower Upper

43 100

58 48.5 41.5 62.3

57 17.7 15.4 23.0

100 13.6 9.4 14.0

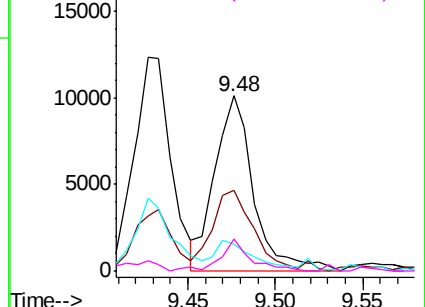
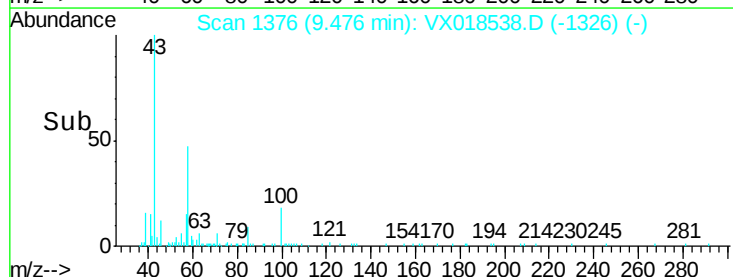


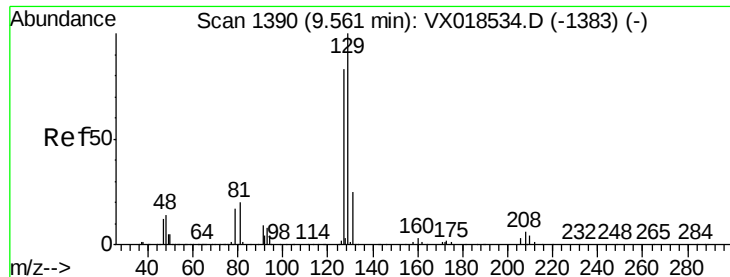
Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0





#49

Dibromochloromethane

Concen: 0.282 ug/L

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

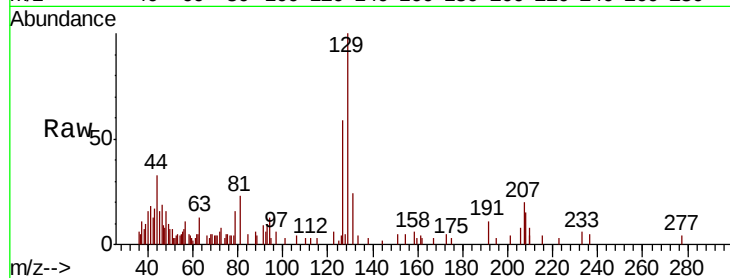
MDL02

Tot Ion:129 Resp: 3264

Ion Ratio Lower Upper

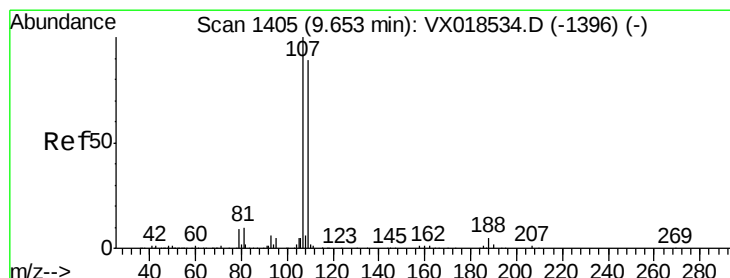
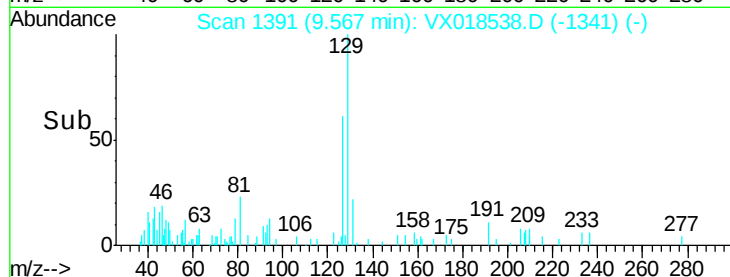
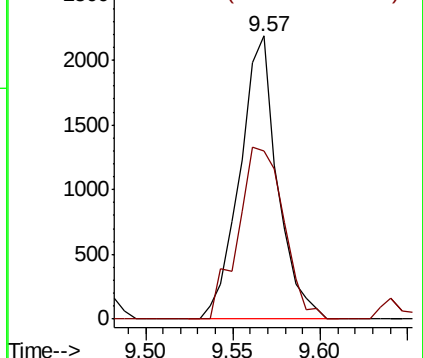
129 100

127 59.2 51.6 95.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.275 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

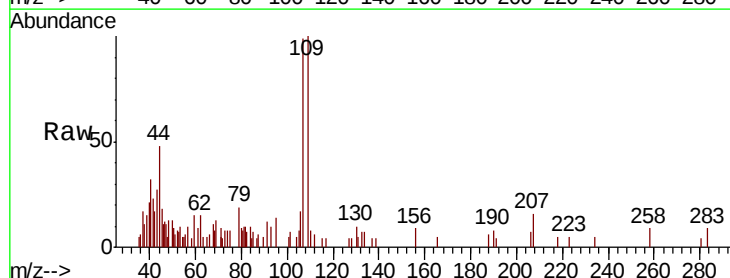
Tgt Ion:107 Resp: 2291

Ion Ratio Lower Upper

107 100

109 101.3 71.2 132.2

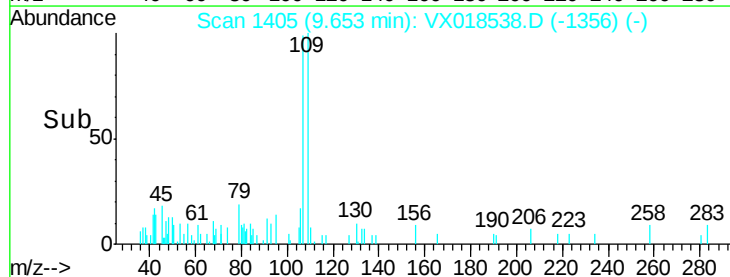
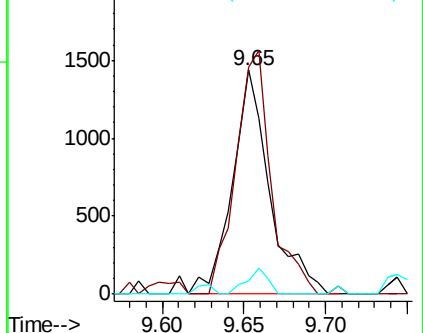
188 6.1 1.9 2.9#

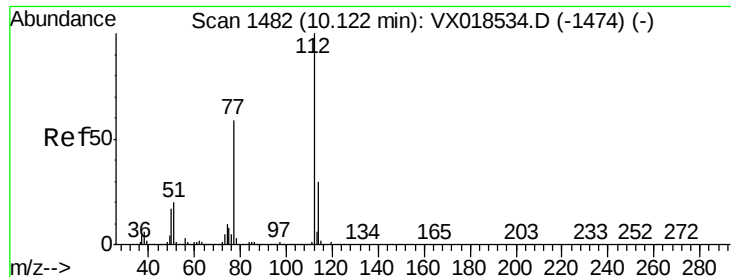


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.276 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

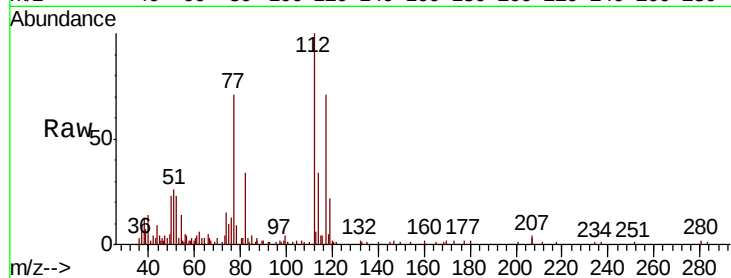
Tot Ion:112 Resp: 9256

Ion Ratio Lower Upper

112 100

114 33.5 23.1 42.9

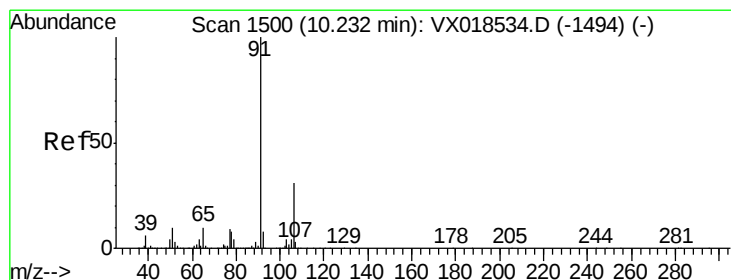
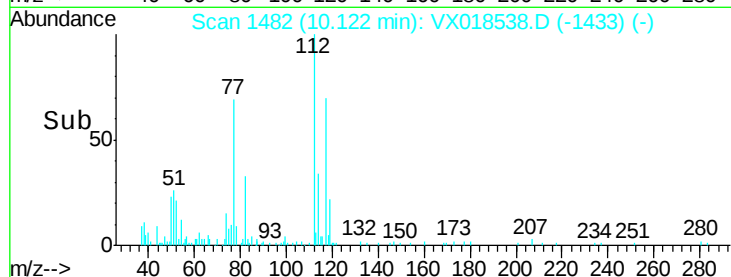
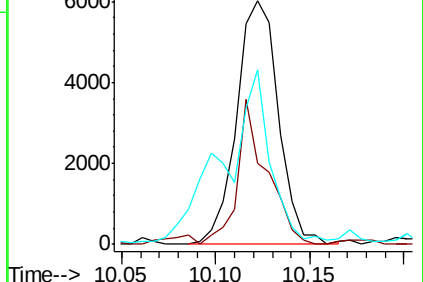
77 71.4 44.9 67.3#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.230 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018538.D

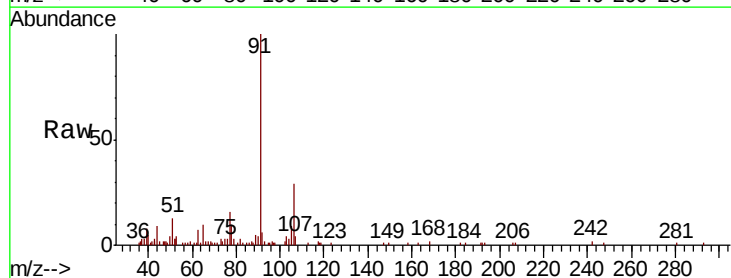
Acq: 23 Sep 2020 14:33

Tgt Ion: 91 Resp: 12557

Ion Ratio Lower Upper

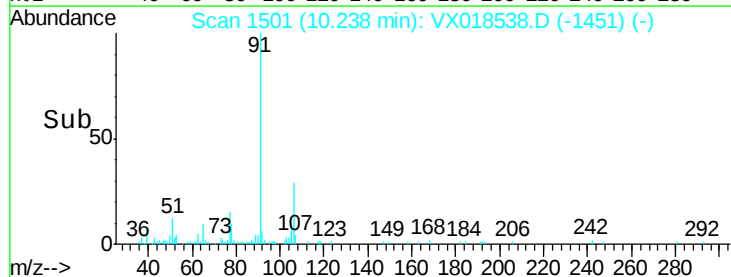
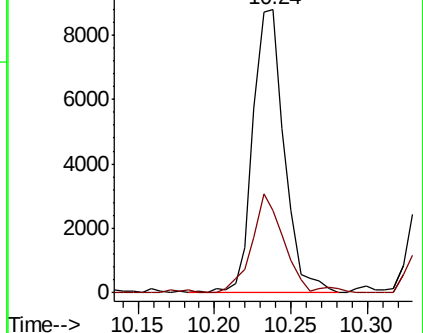
91 100

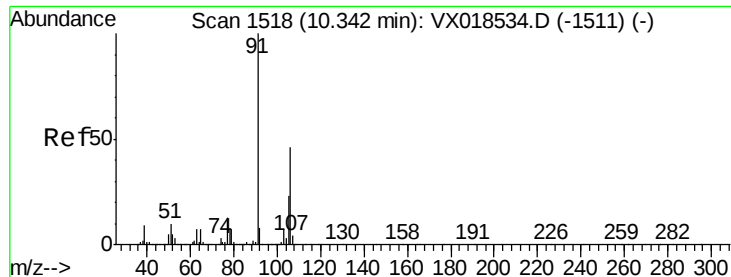
106 29.3 23.3 43.3



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.219 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

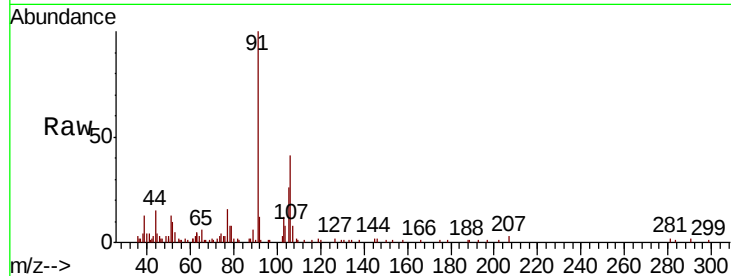
MDL02

Tot Ion:106 Resp: 4578

Ion Ratio Lower Upper

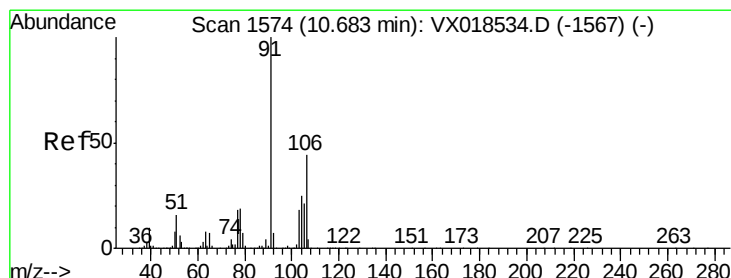
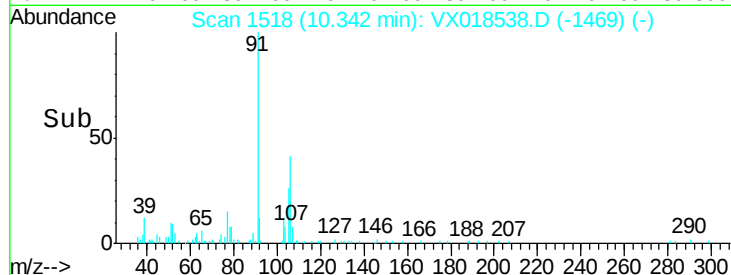
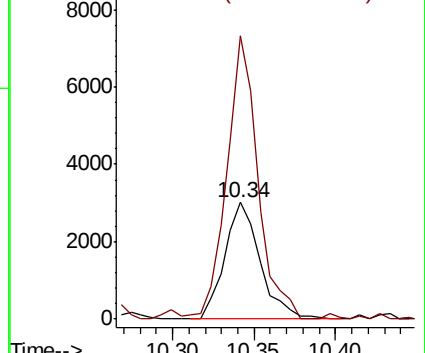
106 100

91 242.6 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#54

o-xylene

Concen: 0.214 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018538.D

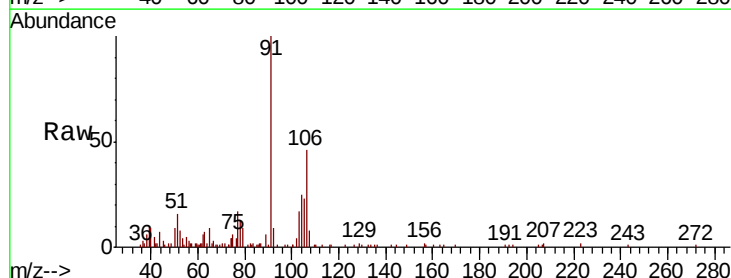
Acq: 23 Sep 2020 14:33

Tgt Ion:106 Resp: 4157

Ion Ratio Lower Upper

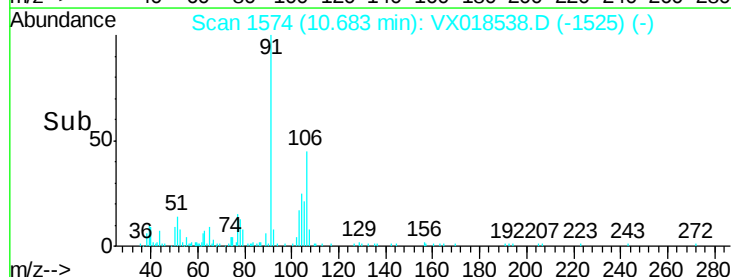
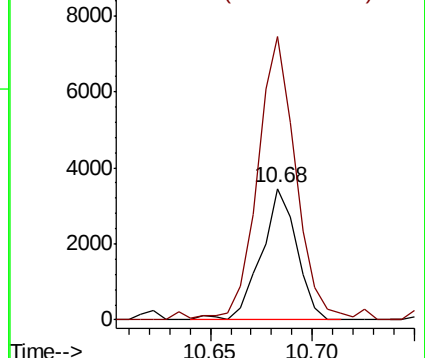
106 100

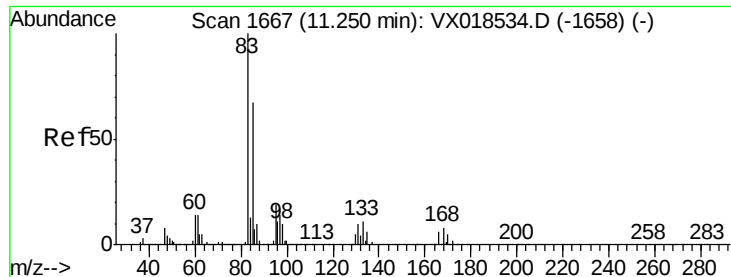
91 215.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.332 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

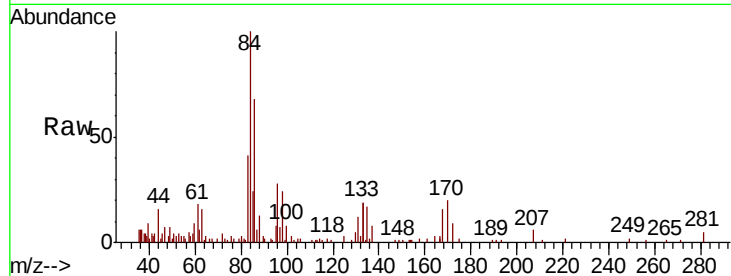
Tot Ion: 83 Resp: 3305

Ion Ratio Lower Upper

83 100

85 59.6 44.4 82.4

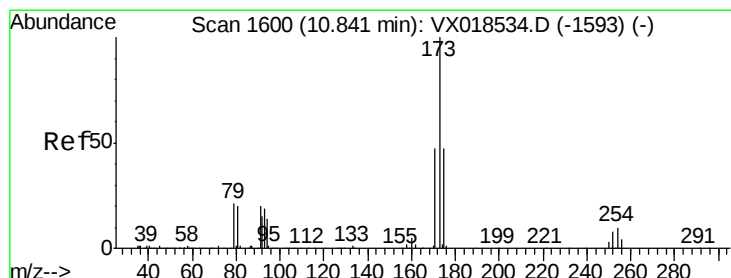
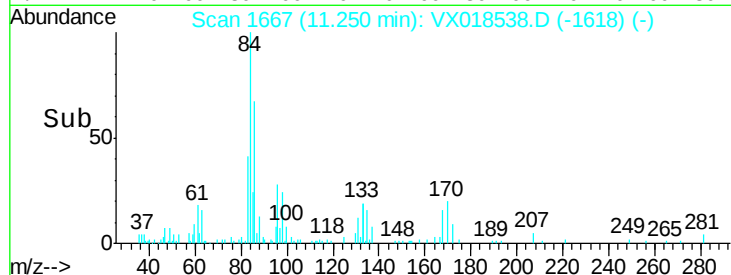
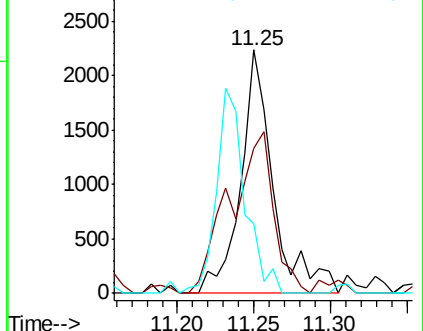
131 28.6 7.4 11.0#



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V



#59

Bromoform

Concen: 0.271 ug/L

RT: 10.85 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

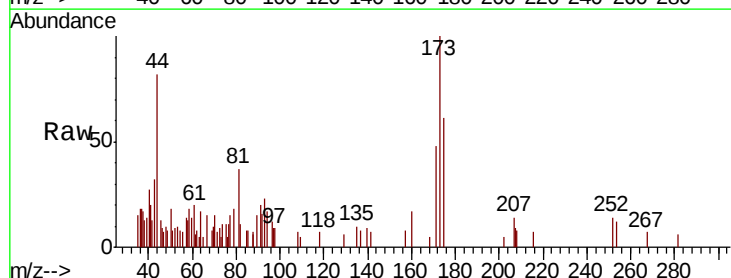
Tgt Ion: 173 Resp: 1682

Ion Ratio Lower Upper

173 100

175 62.1 39.8 59.8#

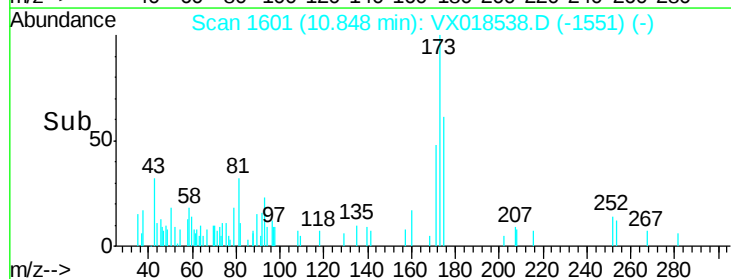
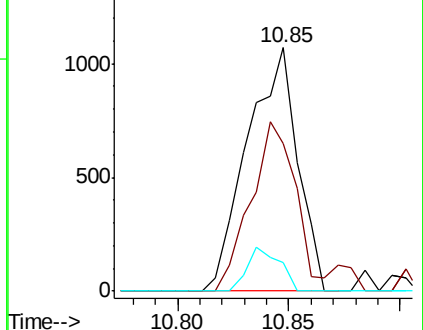
254 11.6 7.5 11.3#

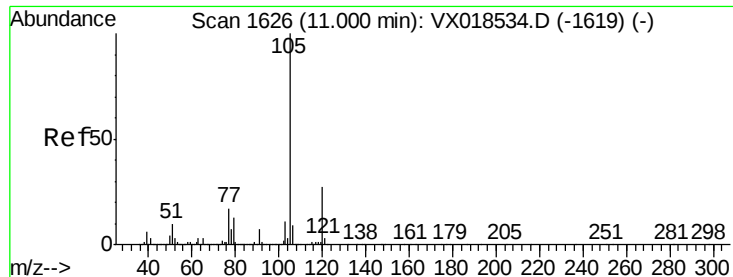


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 0.261 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

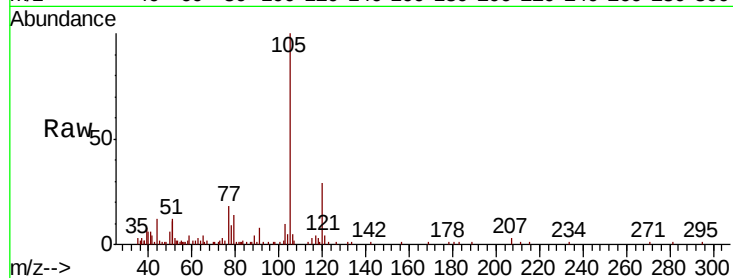
Tot Ion:105 Resp: 12331

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

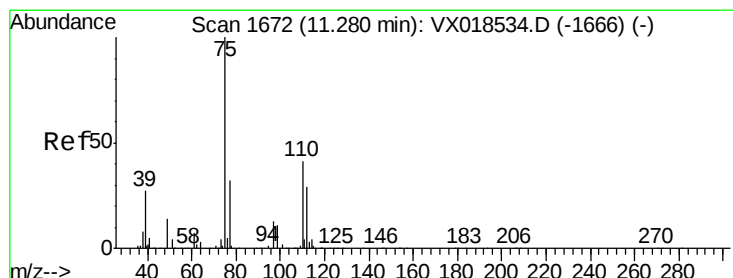
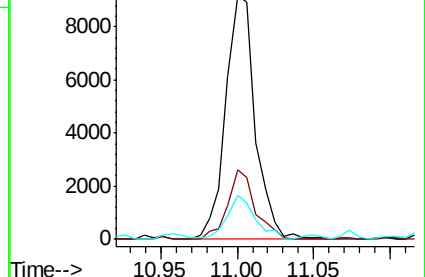
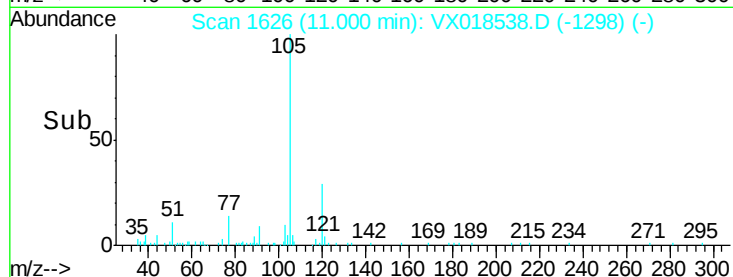
77 17.3 13.1 19.7



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



#61

1,2,3-Trichloropropane

Concen: 0.325 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

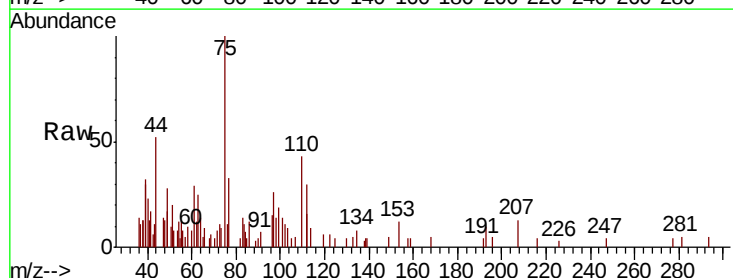
Tgt Ion: 75 Resp: 2293

Ion Ratio Lower Upper

75 100

77 58.7 27.1 40.7#

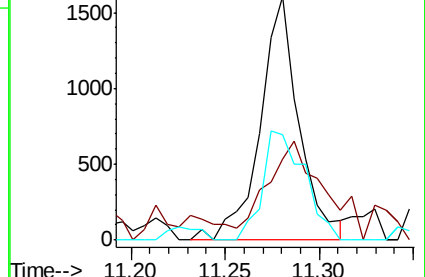
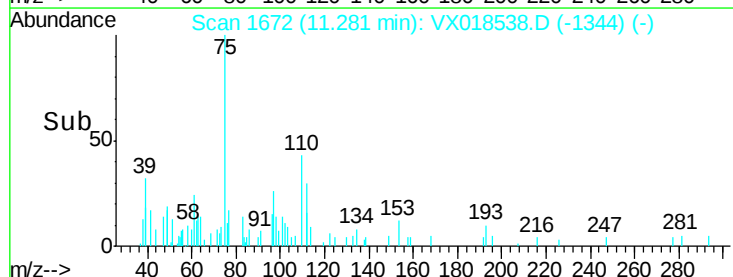
110 48.3 32.4 48.6

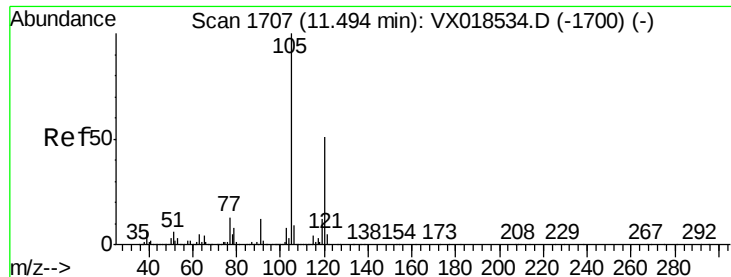


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.244 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

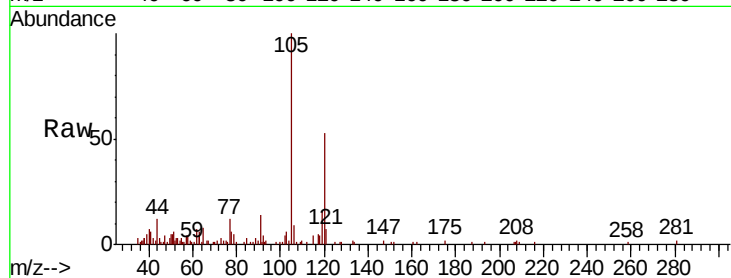
MDL02

Tot Ion:105 Resp: 9356

Ion Ratio Lower Upper

105 100

120 46.7 39.3 58.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

8000

6000

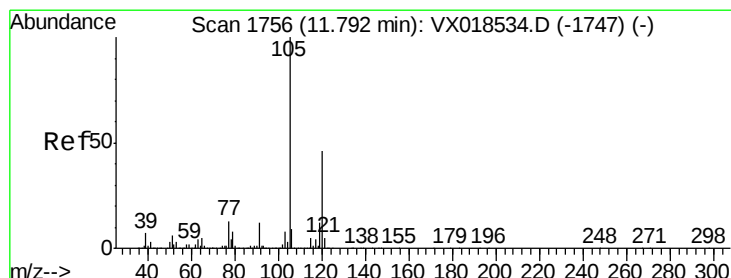
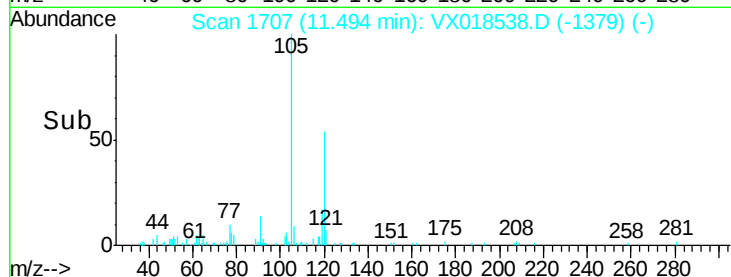
4000

2000

0

Time-->

11.40 11.45 11.50 11.55



#63

1,2,4-Trimethylbenzene

Concen: 0.213 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018538.D

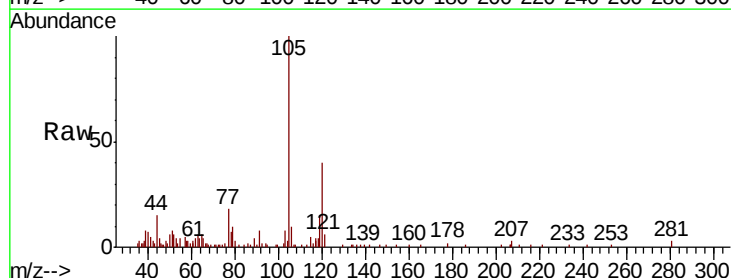
Acq: 23 Sep 2020 14:33

Tgt Ion:105 Resp: 8277

Ion Ratio Lower Upper

105 100

120 46.9 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

8000

6000

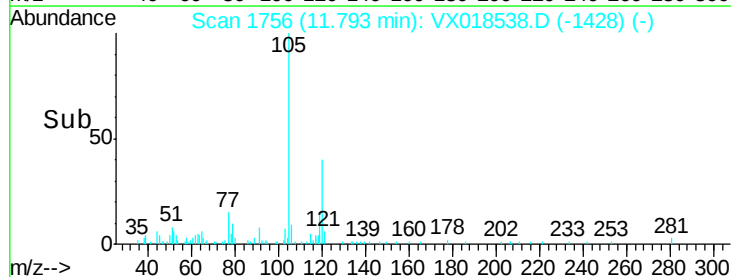
4000

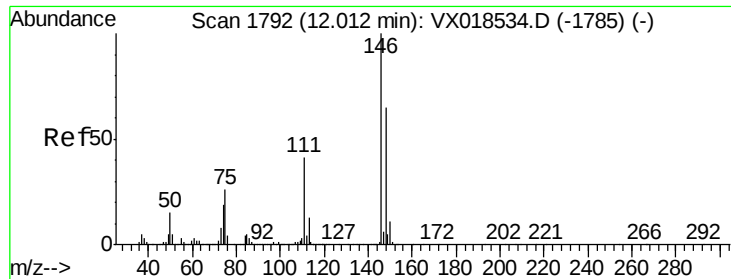
2000

0

Time-->

11.75 11.80 11.85

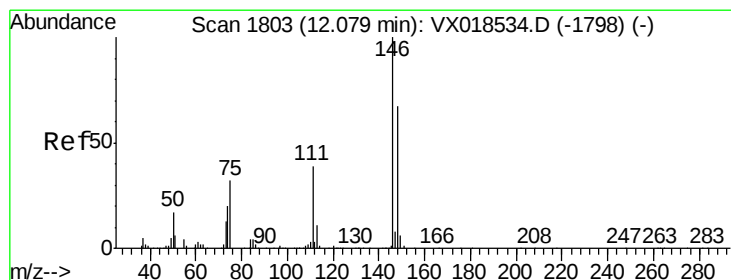
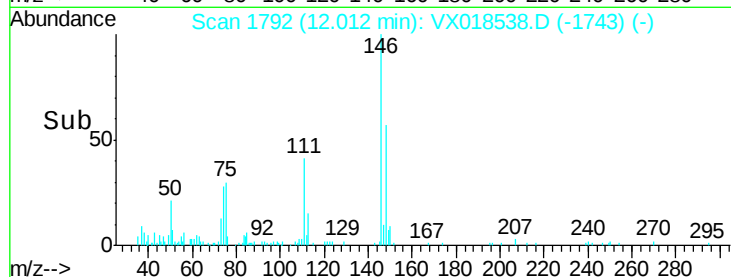
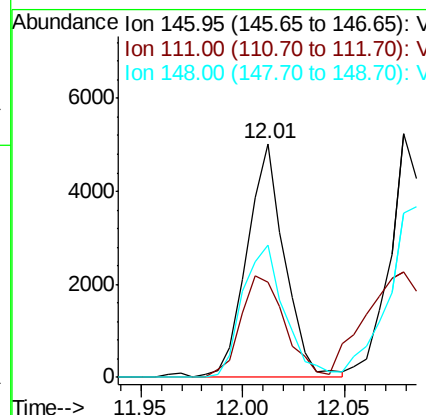
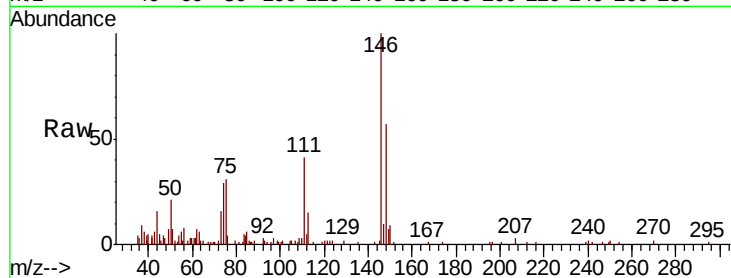




#64
 1,3-Dichlorobenzene
 Concen: 0.267 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

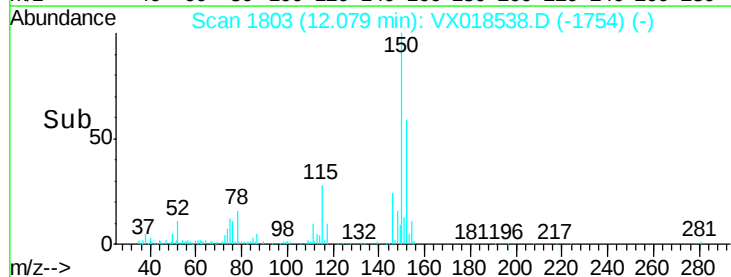
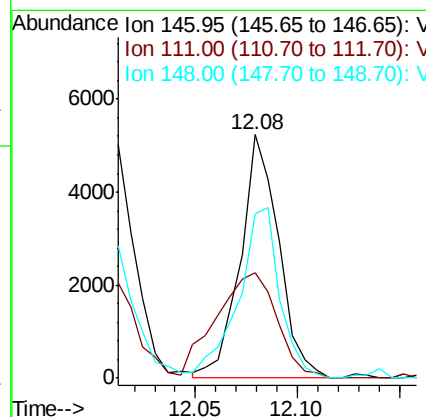
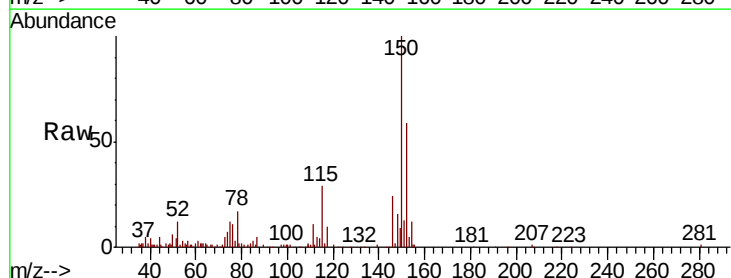
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

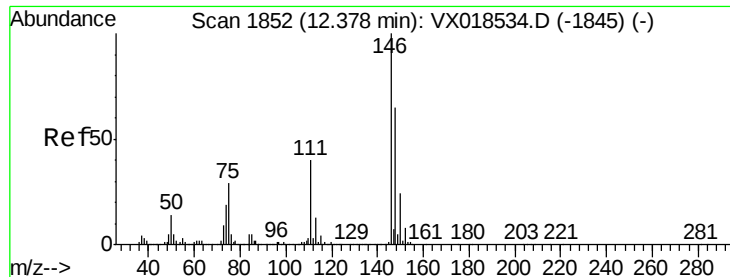
Tot Ion:146 Resp: 6434
 Ion Ratio Lower Upper
 146 100
 111 40.8 25.7 47.7
 148 56.6 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 0.278 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

Tgt Ion:146 Resp: 6826
 Ion Ratio Lower Upper
 146 100
 111 43.2 27.9 51.9
 148 67.6 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 0.270 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

MDL02

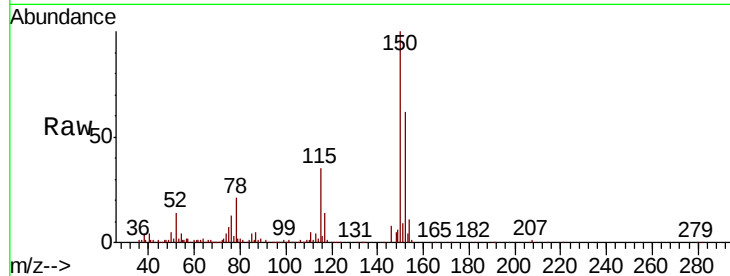
Tot Ion:146 Resp: 6082

Ion Ratio Lower Upper

146 100

111 55.5 30.6 45.8#

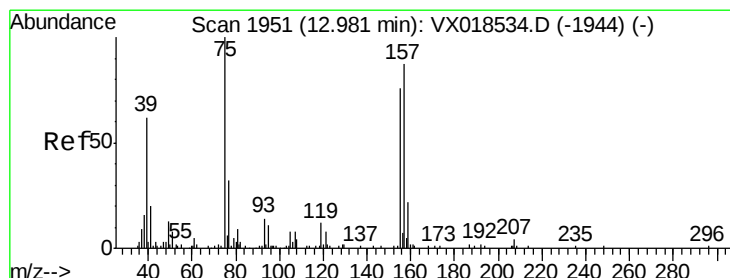
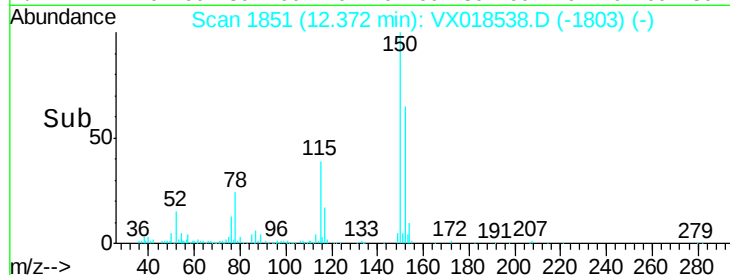
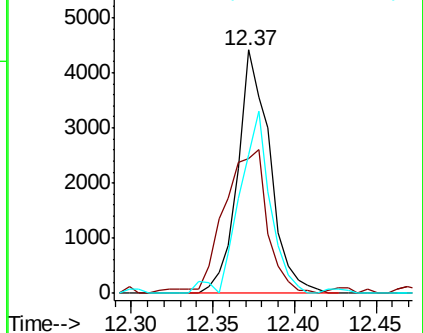
148 56.9 53.5 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 0.390 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018538.D

Acq: 23 Sep 2020 14:33

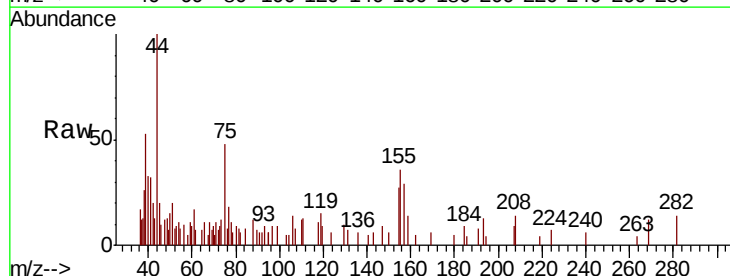
Tgt Ion: 75 Resp: 757

Ion Ratio Lower Upper

75 100

155 130.6 71.1 106.7#

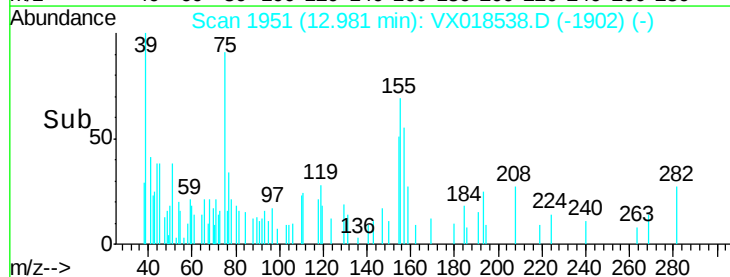
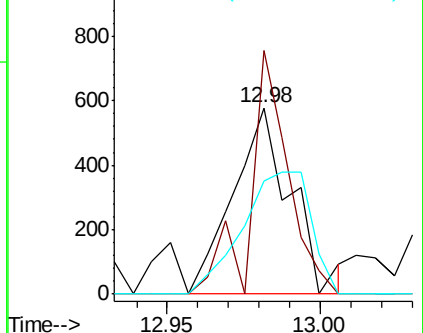
157 60.6 83.5 125.3#

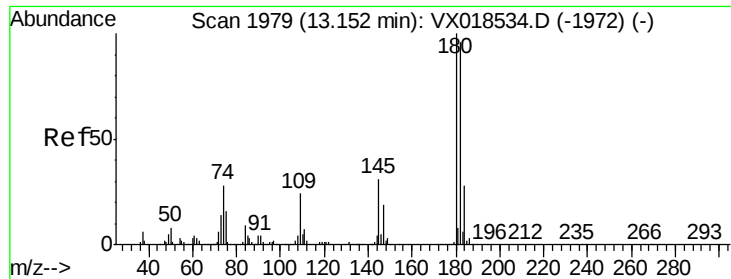


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

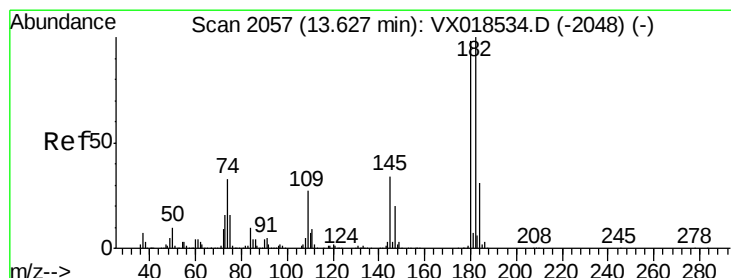
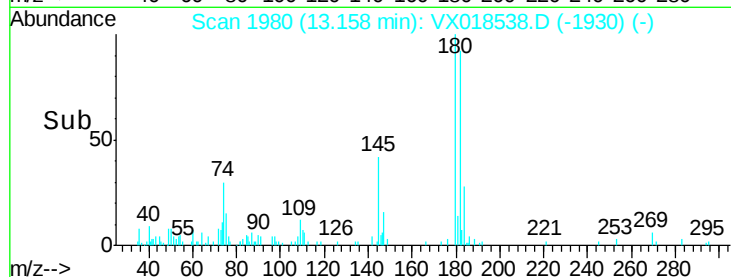
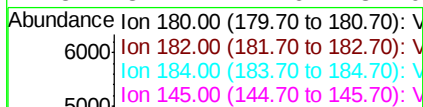
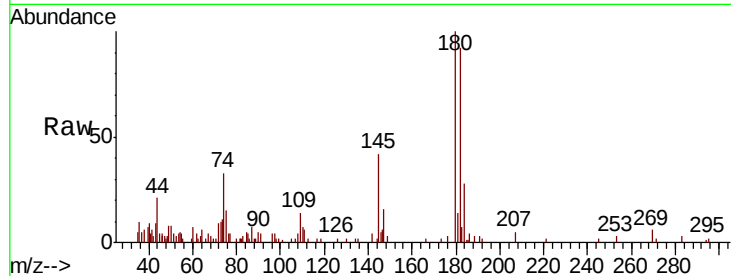




#69
 1,3,5-Trichlorobenzene
 Concen: 0.289 ug/L
 RT: 13.16 min Scan# 1980
 Delta R.T. 0.01 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

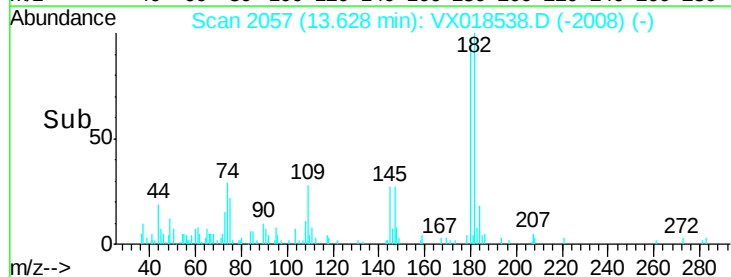
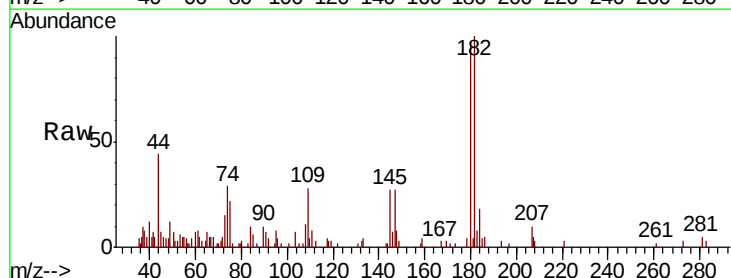
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

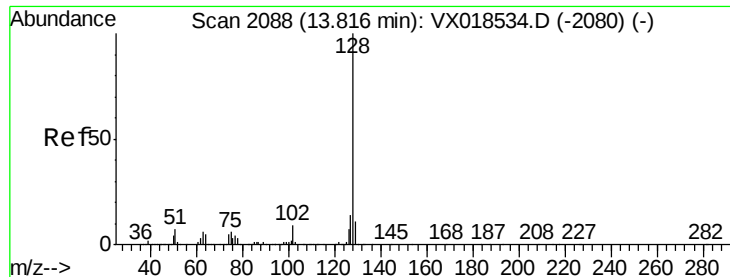
Tot Ion:180 Resp: 5120
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.3 111.5
 184 36.7 24.6 37.0
 145 32.7 24.6 37.0



#70
 1,2,4-trichlorobenzene
 Concen: 0.260 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018538.D
 Acq: 23 Sep 2020 14:33

Tgt Ion:180 Resp: 3820
 Ion Ratio Lower Upper
 180 100
 182 99.9 74.7 112.1
 145 32.6 26.6 39.8

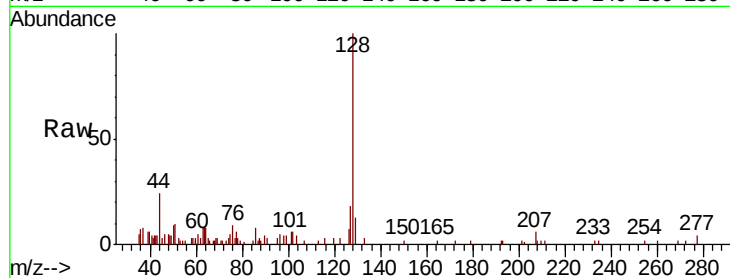




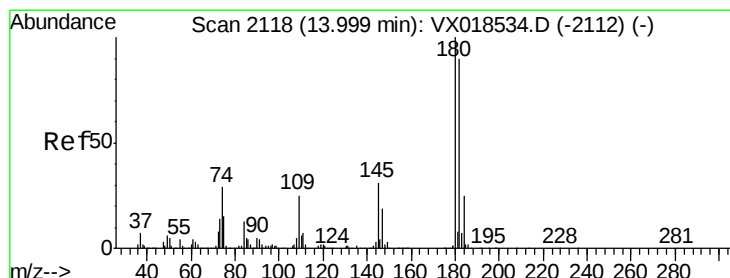
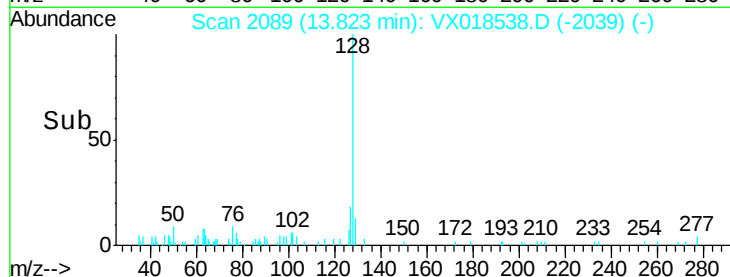
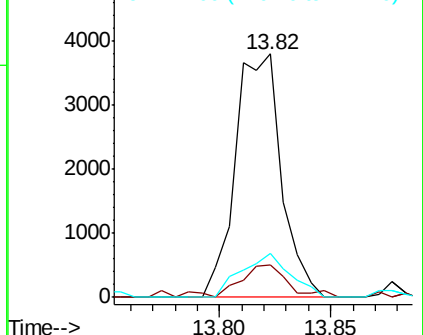
#71
Naphthalene
Concen: 0.224 ug/L
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX018538.D
Acq: 23 Sep 2020 14:33

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion:128 Resp: 5466
Ion Ratio Lower Upper
128 100
129 14.4 8.9 13.3#
127 19.0 10.1 15.1#

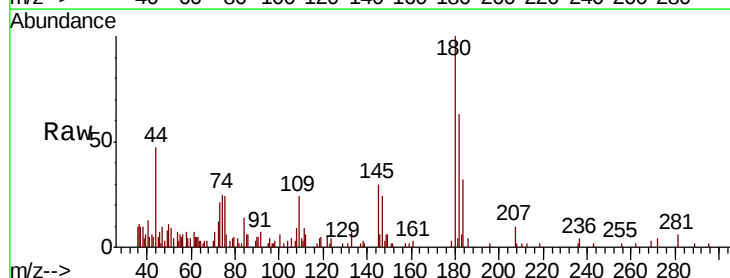


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.273 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX018538.D
Acq: 23 Sep 2020 14:33

Tgt Ion:180 Resp: 3636
Ion Ratio Lower Upper
180 100
182 74.3 76.9 115.3#
145 39.6 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

