

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017457.D
 Acq On : 21 Jul 2020 15:58
 Operator : JC/SP
 Sample : MDL03
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Quant Time: Jul 22 06:21:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 06:14:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	353997	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	335501	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	150281	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127003	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.69	69	88144	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.34	63	192151	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.54	46	264968	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	5.14	84	236423	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	6.03	65	128148	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	6.05	84	453224	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	7.37	67	138800	5.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.60%
41) Toluene-d8	8.70	98	411170	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
45) trans-1,3-Dichloropropene-	8.99	79	58434	5.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.00%
48) 2-Hexanone-d5	9.43	63	198857	52.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.60%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	90325	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	146627	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	11824	0.304	ug/L	94
3) Chloromethane	1.31	50	9946	0.275	ug/L	97
5) Vinyl chloride	1.39	62	9452	0.274	ug/L	93
6) Bromomethane	1.64	94	5381	0.287	ug/L	77
8) Chloroethane	1.72	64	3943	0.208	ug/L	99
9) Trichlorofluoromethane	1.92	101	13390	0.270	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8227	0.306	ug/L	93
12) 1,1-Dichloroethene	2.36	96	7263	0.290	ug/L #	1
13) Acetone	2.43	43	10684	2.574	ug/L	99
14) Carbon disulfide	2.55	76	22351	0.263	ug/L	100
15) Methyl Acetate	2.75	43	3608	0.299	ug/L	92
16) Methylene chloride	2.83	84	16416	0.477	ug/L	79
17) Methyl tert-butyl Ether	3.17	73	14355	0.241	ug/L	96
18) trans-1,2-Dichloroethene	3.14	96	7158	0.268	ug/L	91
19) 1,1-Dichloroethane	3.67	63	12733	0.271	ug/L	100
21) 2-Butanone	4.64	43	16565	2.506	ug/L	96
22) cis-1,2-Dichloroethene	4.57	96	8307	0.315	ug/L	96

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

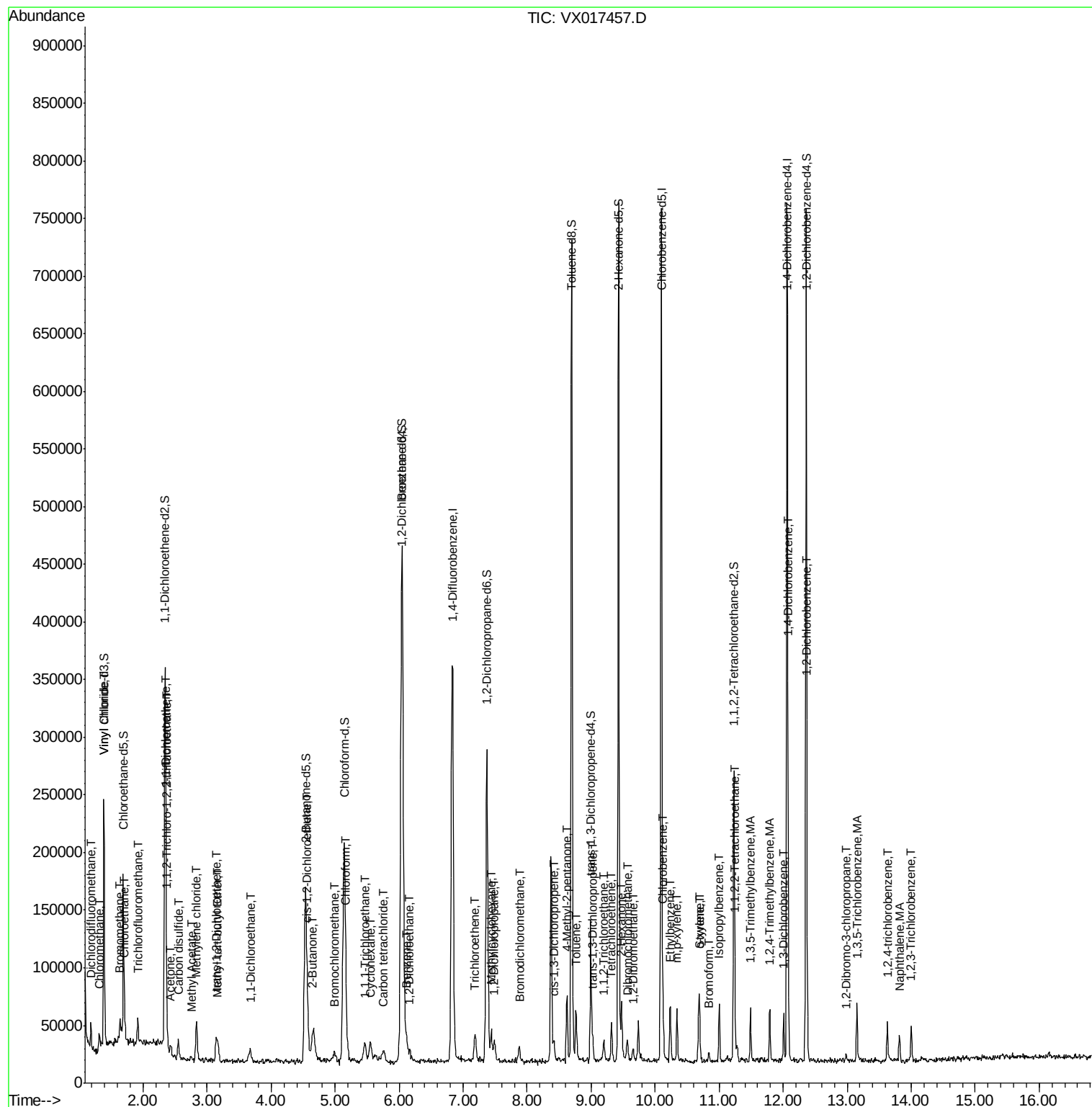
23) Bromochloromethane	4.99	128	4406	0.347	ug/L	90
25) Chloroform	5.17	83	16993	0.345	ug/L	83
27) 1,2-Dichloroethane	6.16	62	8300	0.262	ug/L #	80
29) 1,1,1-Trichloroethane	5.46	97	13428	0.298	ug/L #	89
30) Cyclohexane	5.54	56	10519	0.289	ug/L #	49
31) Carbon tetrachloride	5.76	117	10895	0.268	ug/L	96
33) Benzene	6.11	78	25652	0.260	ug/L	100
34) Trichloroethene	7.19	95	7951	0.298	ug/L	94
35) Methylcyclohexane	7.43	83	8888	0.246	ug/L #	84
37) 1,2-Dichloropropane	7.49	63	7092	0.285	ug/L #	96
38) Bromodichloromethane	7.88	83	8622	0.259	ug/L #	94
39) cis-1,3-Dichloropropene	8.42	75	8803	0.245	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	33653	2.317	ug/L #	94
42) Toluene	8.76	91	26577	0.268	ug/L	97
43) 1,3,5-Trimethylbenzene	11.49	105	19592	0.212	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	18103	0.198	ug/L	96
46) trans-1,3-Dichloropropene	9.02	75	11358	0.368	ug/L	98
47) 1,1,2-Trichloroethane	9.20	97	4749	0.279	ug/L	90
49) Tetrachloroethene	9.32	164	6151	0.284	ug/L	93
50) 2-Hexanone	9.48	43	27098	2.555	ug/L #	88
51) Dibromochloromethane	9.57	129	6803	0.291	ug/L	79
52) 1,2-Dibromoethane	9.65	107	4894	0.291	ug/L	90
53) Chlorobenzene	10.12	112	16884	0.250	ug/L	93
54) Ethylbenzene	10.24	91	27601	0.257	ug/L	91
55) m,p-xylene	10.35	106	10181	0.237	ug/L	97
56) o-xylene	10.68	106	10490	0.252	ug/L	95
57) Styrene	10.70	104	15751	0.227	ug/L	96
58) Isopropylbenzene	11.00	105	23758	0.221	ug/L	96
60) 1,1,2,2-Tetrachloroethane	11.25	83	6261	0.310	ug/L #	91
62) Bromoform	10.84	173	3338	0.277	ug/L #	95
63) 1,3-Dichlorobenzene	12.01	146	12394	0.256	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	12636	0.265	ug/L	87
66) 1,2-Dichlorobenzene	12.38	146	12366	0.276	ug/L	85
67) 1,2-Dibromo-3-chloropropan	12.98	75	2011	0.510	ug/L #	79
68) 1,3,5-Trichlorobenzene	13.15	180	11149	0.274	ug/L	89
69) 1,2,4-trichlorobenzene	13.63	180	7336	0.246	ug/L #	85
70) Naphthalene	13.82	128	12264	0.235	ug/L #	92
71) 1,2,3-Trichlorobenzene	14.01	180	7247	0.263	ug/L	94

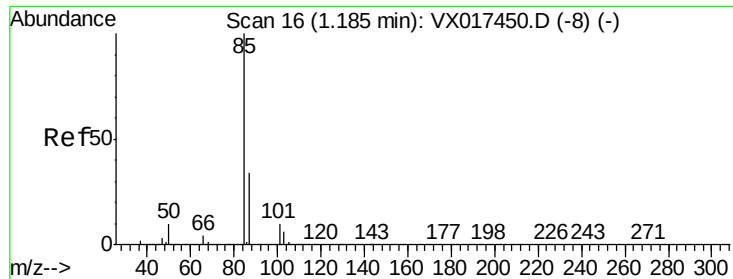
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.304 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

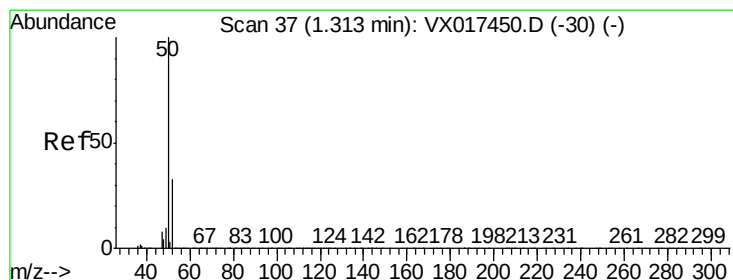
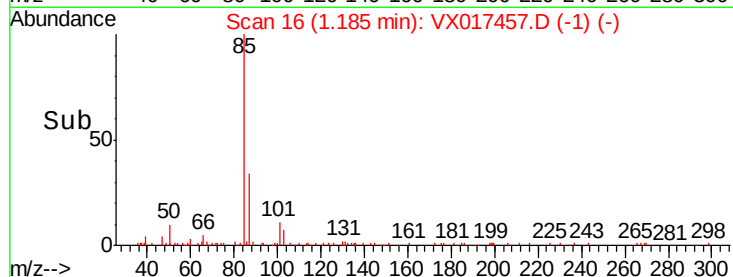
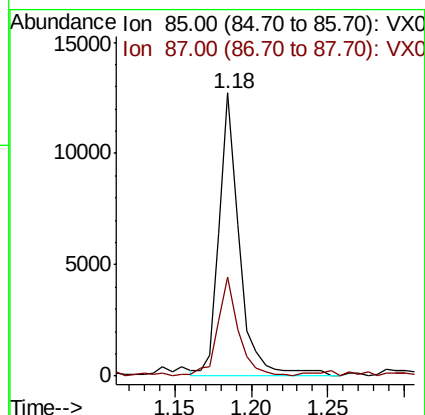
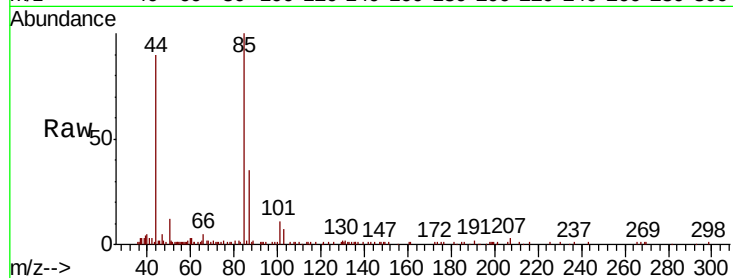
MDL03

Tot Ion: 85 Resp: 11824

Ion Ratio Lower Upper

85 100

87 36.0 26.1 39.1



#3

Chloromethane

Concen: 0.275 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017457.D

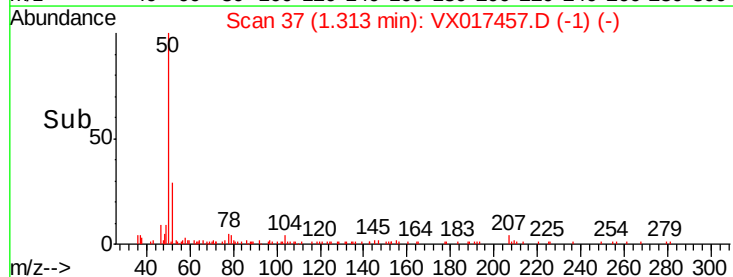
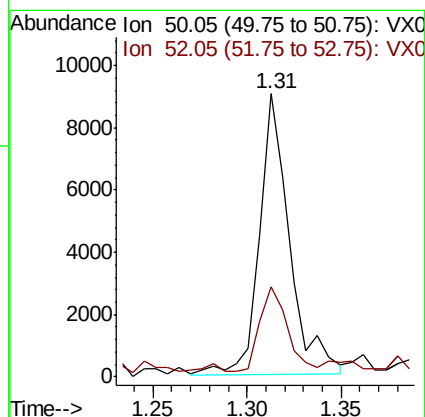
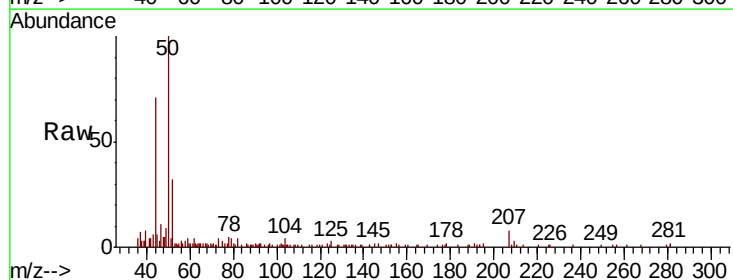
Acq: 21 Jul 2020 15:58

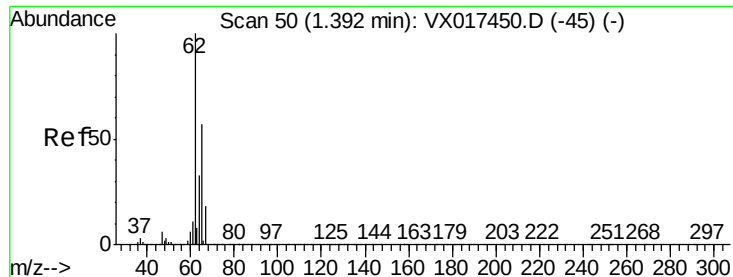
Tgt Ion: 50 Resp: 9946

Ion Ratio Lower Upper

50 100

52 31.7 23.2 43.2





#5

Vinyl chloride

Concen: 0.274 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampled :

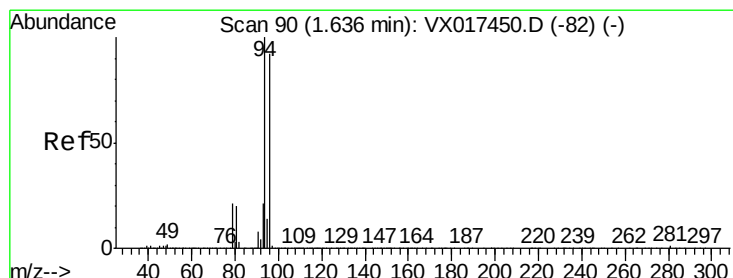
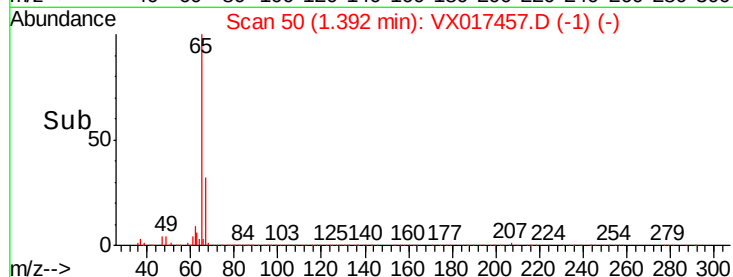
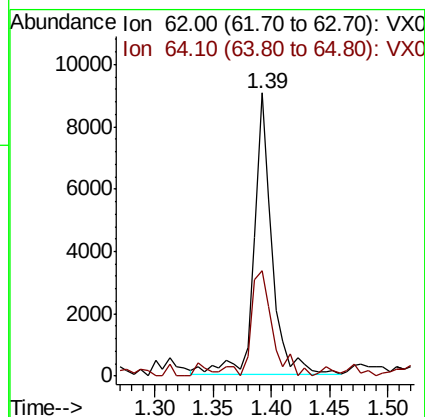
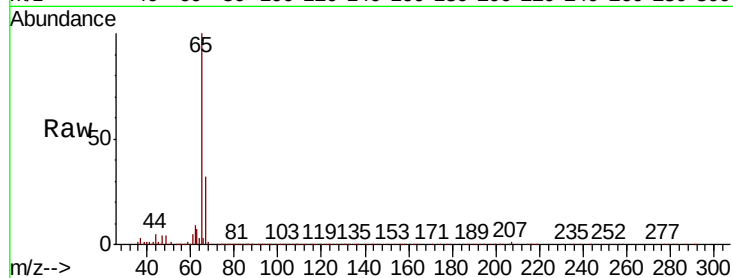
MDL03

Tot Ion: 62 Resp: 9452

Ion Ratio Lower Upper

62 100

64 37.4 23.2 43.2



#6

Bromomethane

Concen: 0.287 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX017457.D

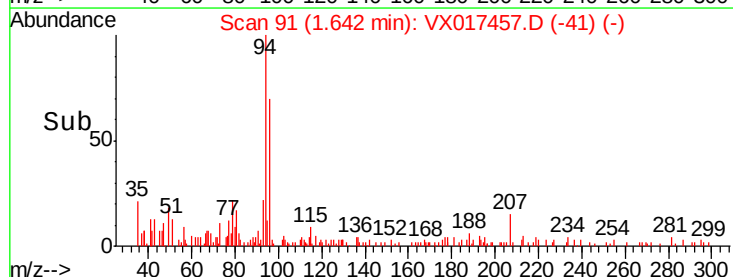
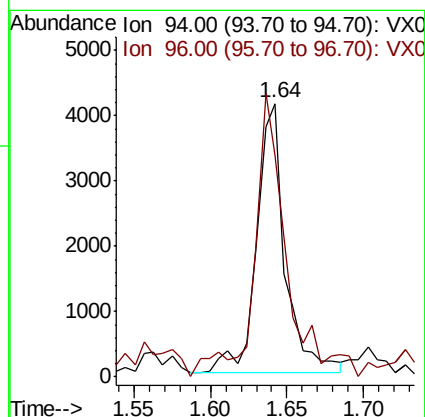
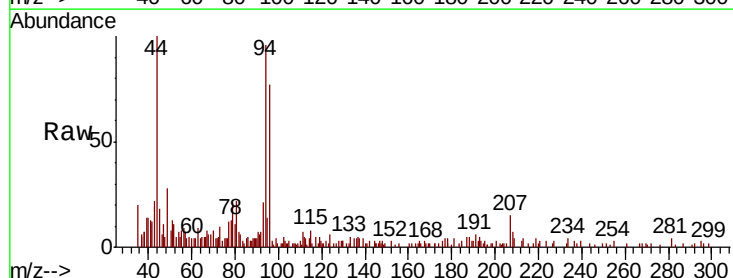
Acq: 21 Jul 2020 15:58

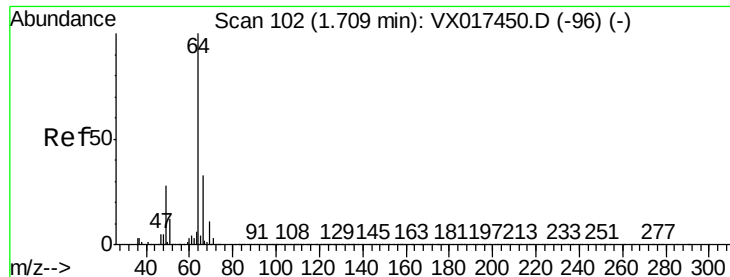
Tgt Ion: 94 Resp: 5381

Ion Ratio Lower Upper

94 100

96 70.4 64.8 120.4

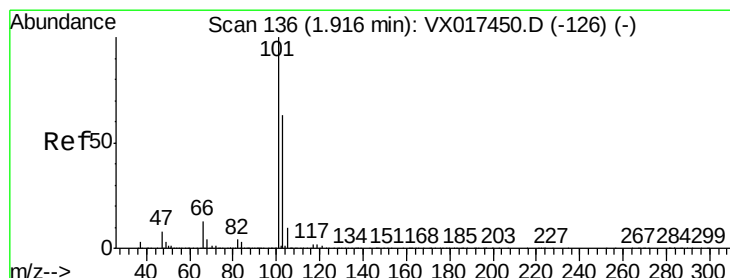
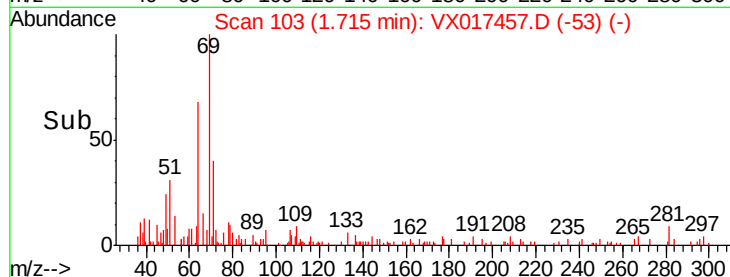
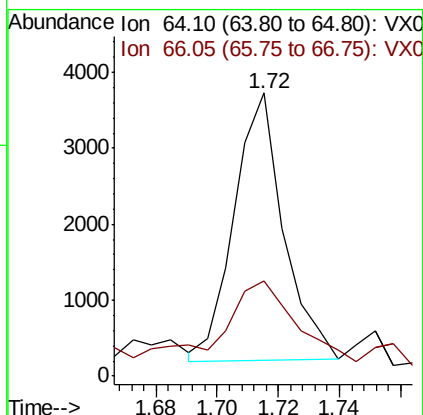
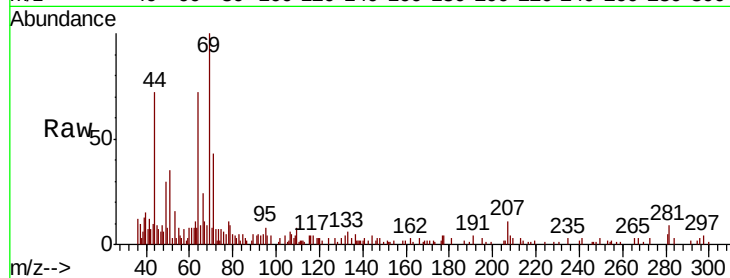




#8
Chloroethane
Concen: 0.208 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

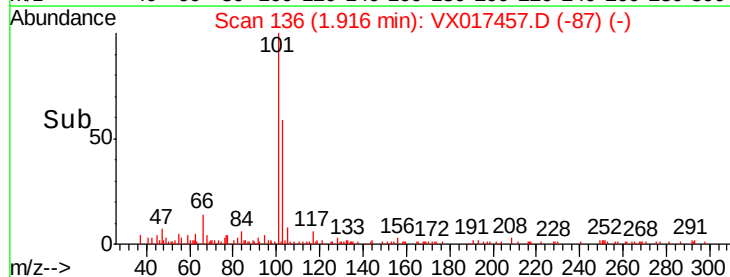
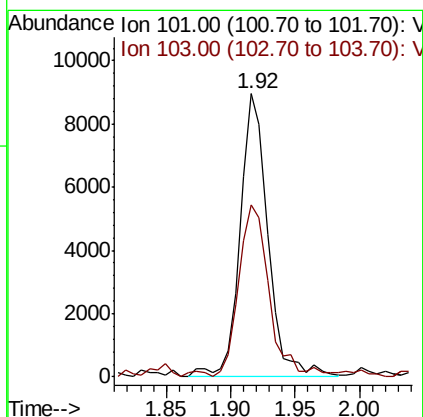
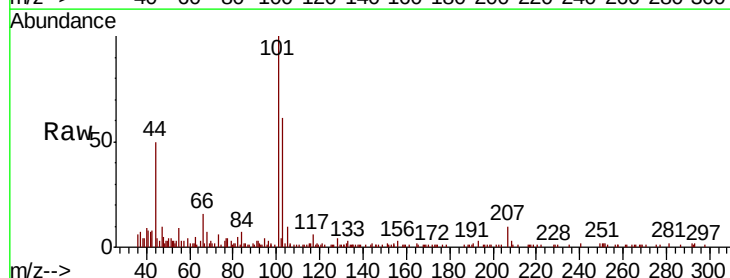
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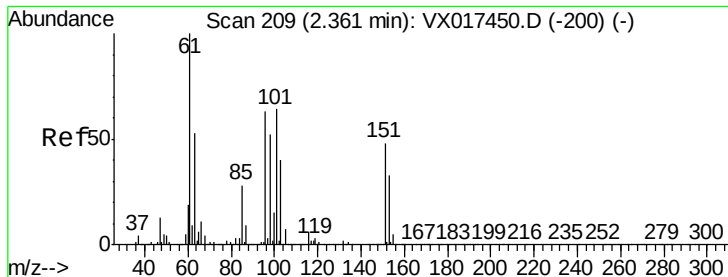
Tot Ion: 64 Resp: 3943
Ion Ratio Lower Upper
64 100
66 33.6 23.1 42.9



#9
Trichlorofluoromethane
Concen: 0.270 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion: 101 Resp: 13390
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2





#10

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

Concen: 0.306 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL03

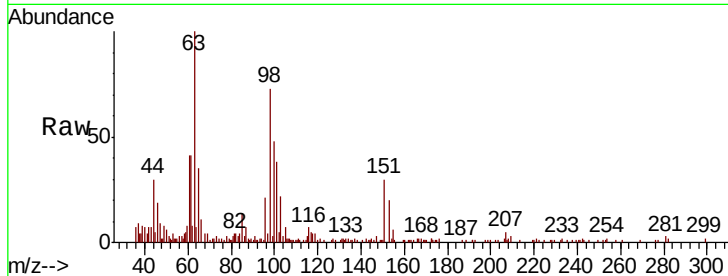
Tot Ion:101 Resp: 8227

Ion Ratio Lower Upper

101 100

85 49.5 35.3 52.9

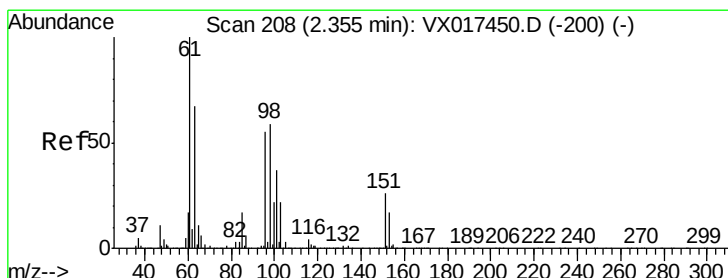
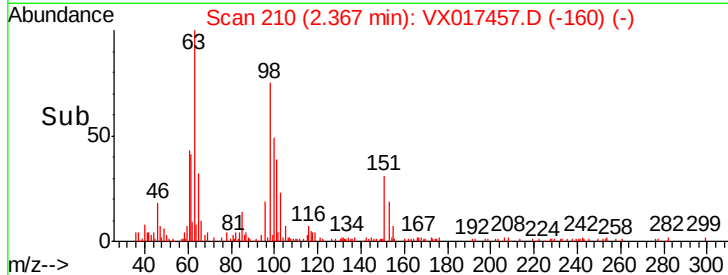
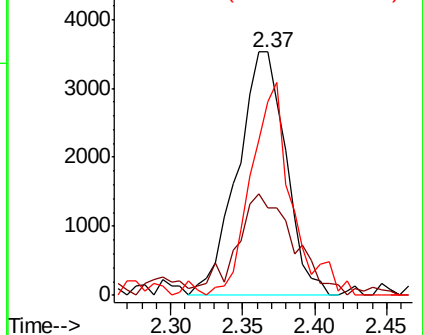
151 73.0 62.3 93.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.290 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

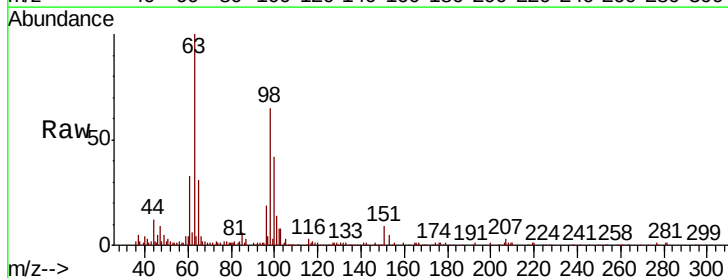
Tgt Ion: 96 Resp: 7263

Ion Ratio Lower Upper

96 100

61 176.4 126.5 234.9

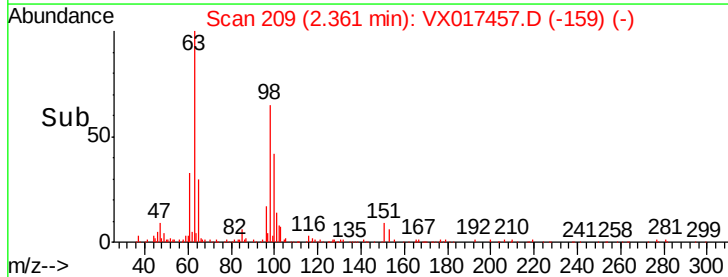
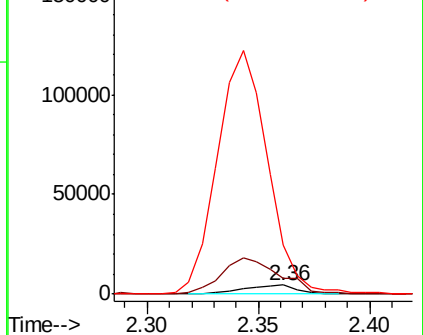
63 532.6 85.6 159.0#

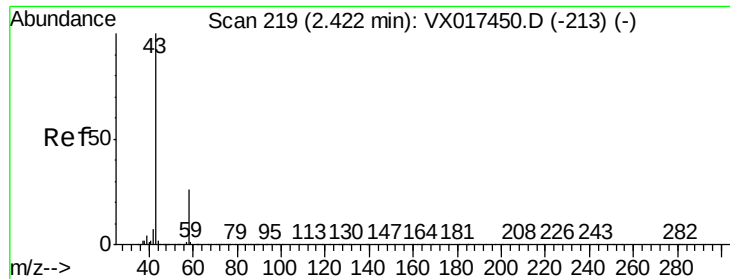


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 2.574 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

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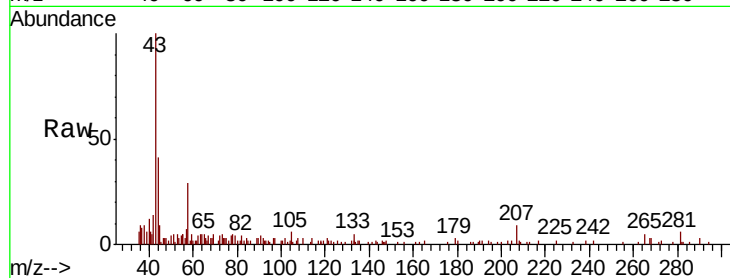
MDL03

Tot Ion: 43 Resp: 10684

Ion Ratio Lower Upper

43 100

58 28.5 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

2.43

6000

5000

4000

3000

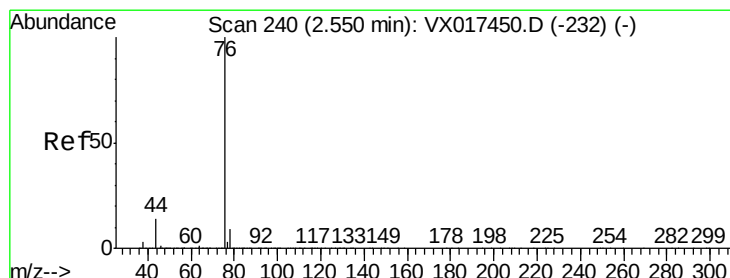
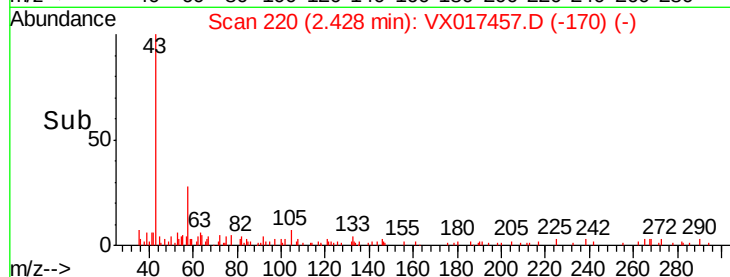
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 0.263 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017457.D

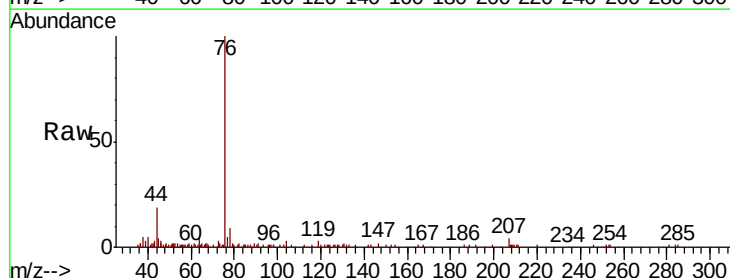
Acq: 21 Jul 2020 15:58

Tgt Ion: 76 Resp: 22351

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

15000

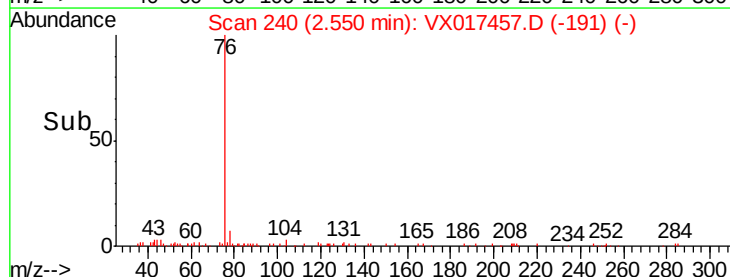
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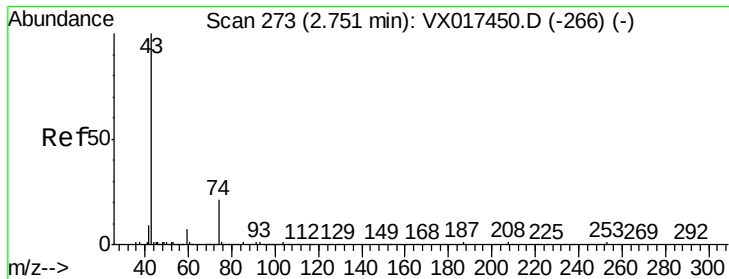
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0

Time-->

2.50 2.55 2.60

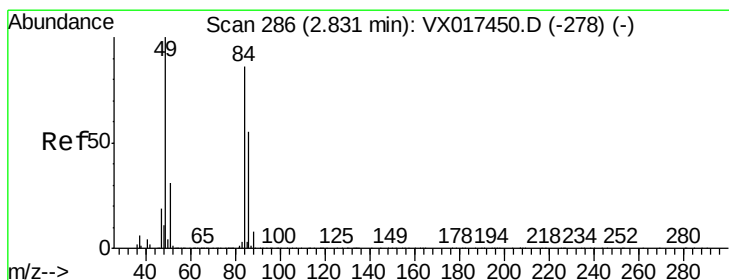
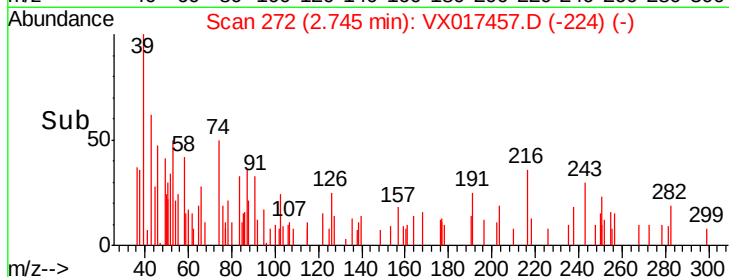
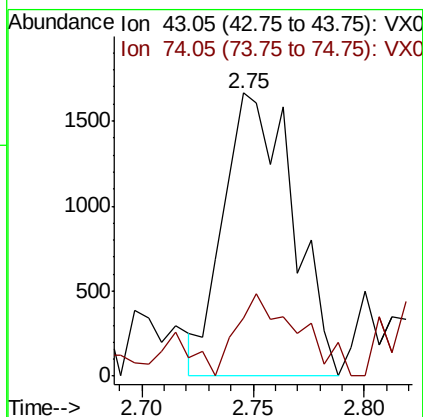
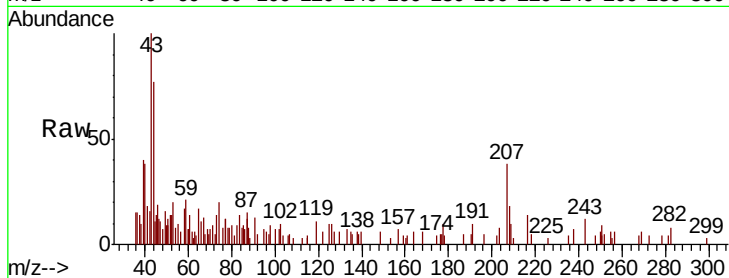




#15
Methyl Acetate
Concen: 0.299 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

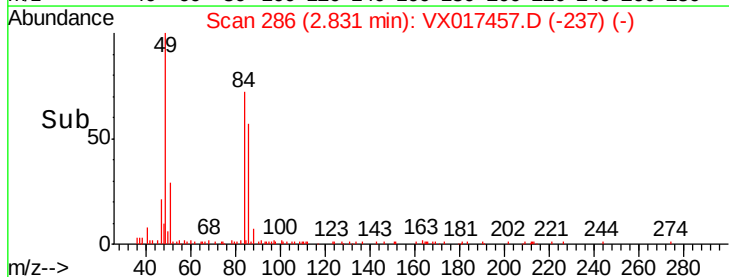
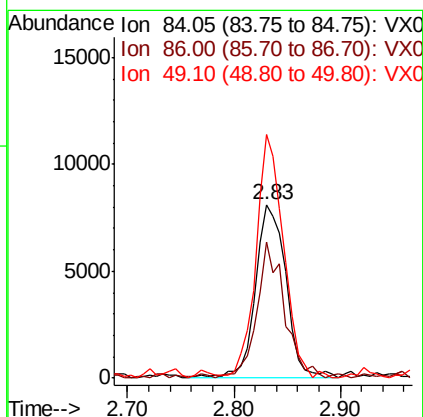
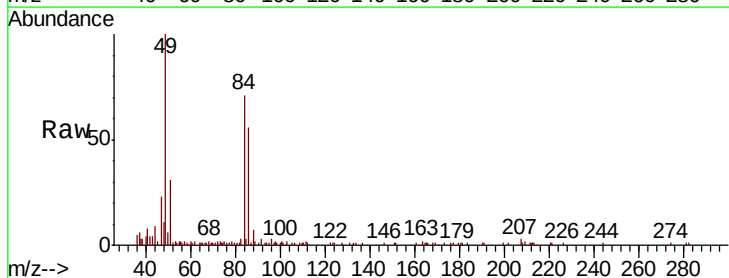
Instrument :
MSVOA_X
ClientSampled :
MDL03

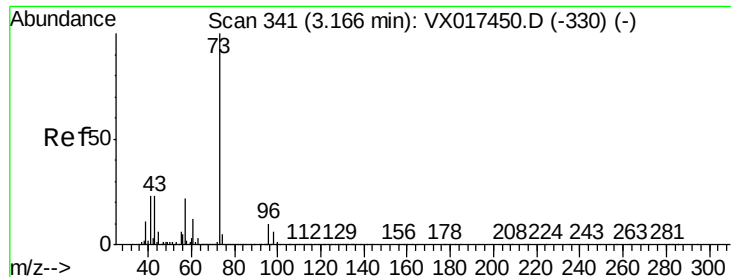
Tot Ion: 43 Resp: 3608
Ion Ratio Lower Upper
43 100
74 26.0 17.6 26.4



#16
Methylene chloride
Concen: 0.477 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion: 84 Resp: 16416
Ion Ratio Lower Upper
84 100
86 78.6 44.8 83.2
49 140.2 81.0 150.4

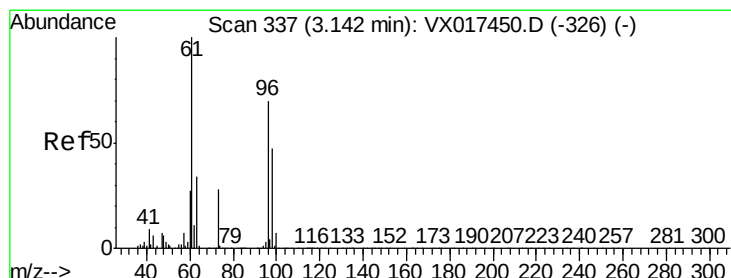
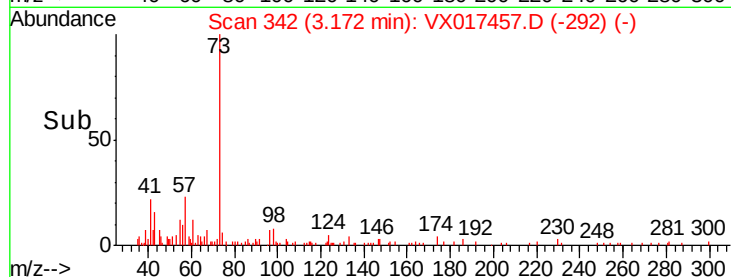
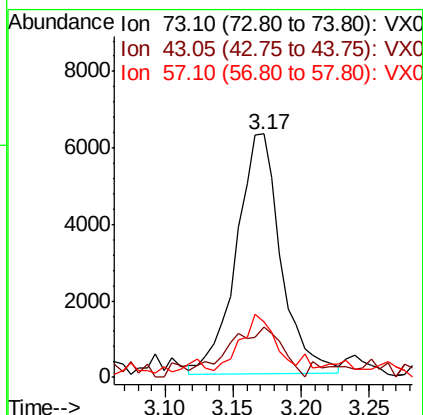
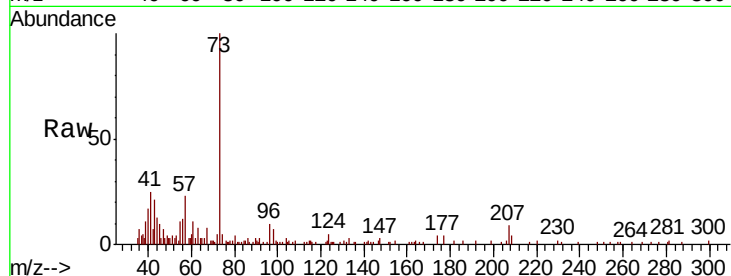




#17
Methyl tert-butyl Ether
Concen: 0.241 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

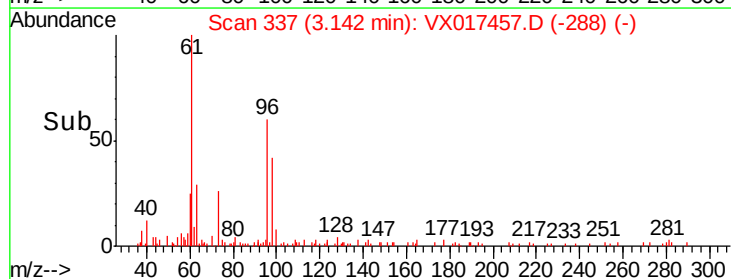
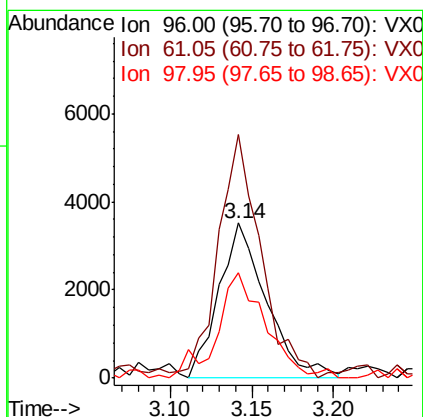
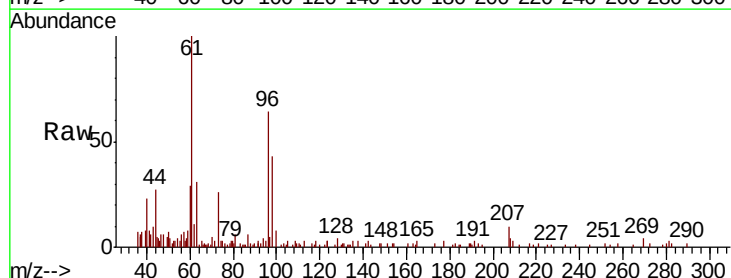
Instrument :
MSVOA_X
ClientSampleId :
MDL03

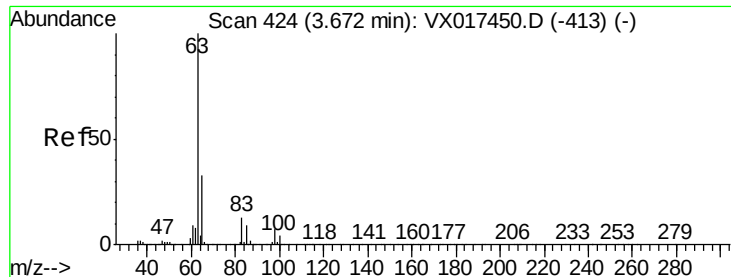
Tot Ion:	73	Resp:	14355
Ion	Ratio	Lower	Upper
73	100		
43	25.4	17.8	26.6
57	21.8	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 0.268 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion:	96	Resp:	7158
Ion	Ratio	Lower	Upper
96	100		
61	157.1	99.8	185.4
98	67.8	46.4	86.2





#19

1,1-Dichloroethane

Concen: 0.271 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL03

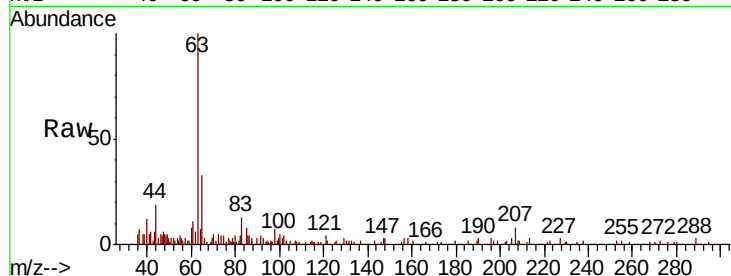
Tot Ion: 63 Resp: 12733

Ion Ratio Lower Upper

63 100

65 33.0 23.2 43.2

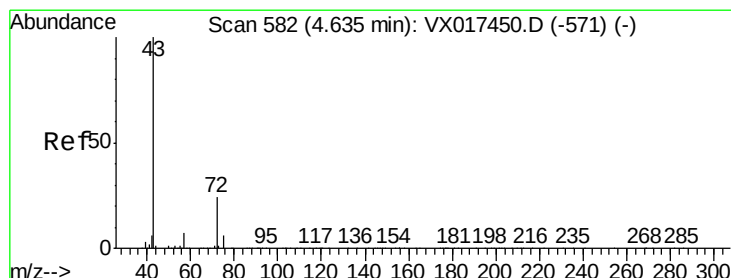
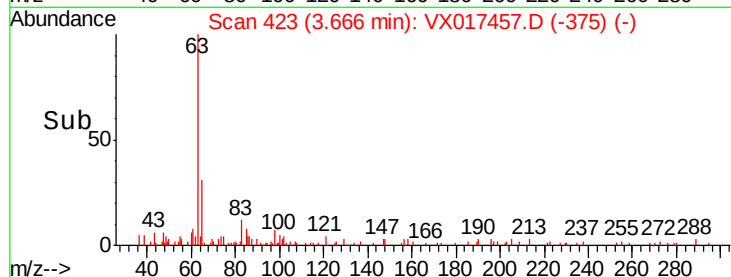
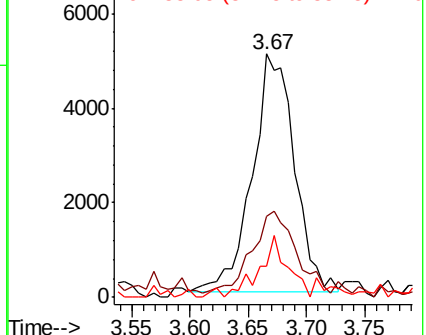
83 13.0 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



#21

2-Butanone

Concen: 2.506 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017457.D

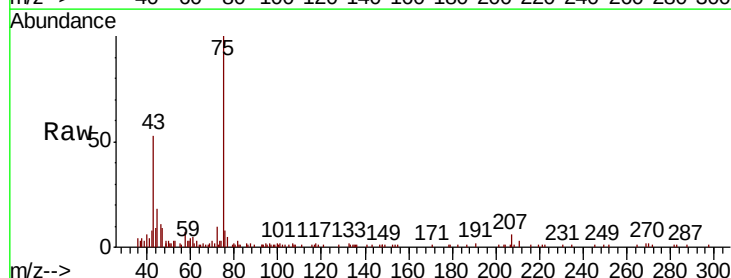
Acq: 21 Jul 2020 15:58

Tgt Ion: 43 Resp: 16565

Ion Ratio Lower Upper

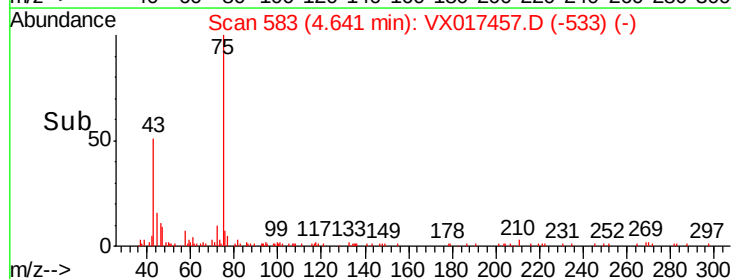
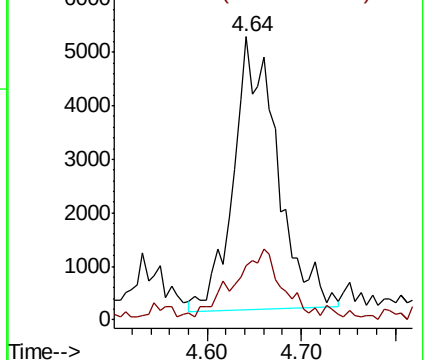
43 100

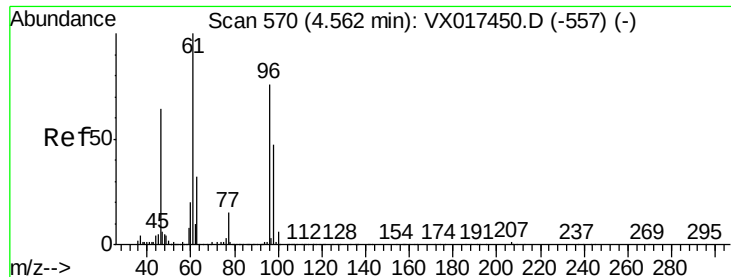
72 26.4 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



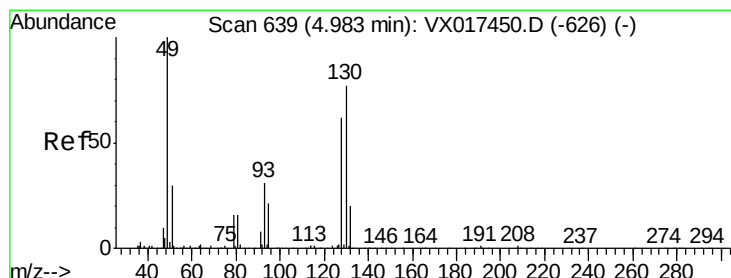
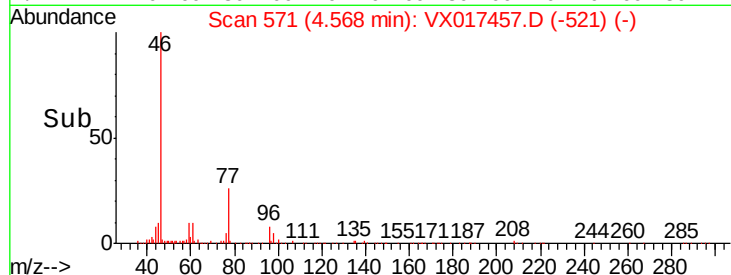
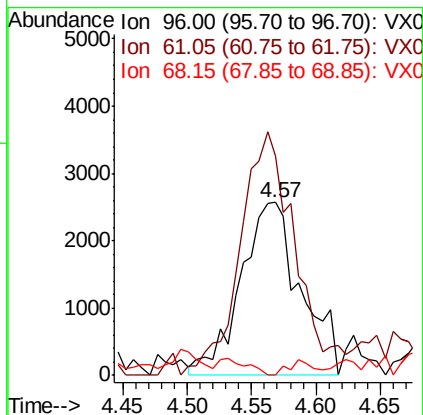
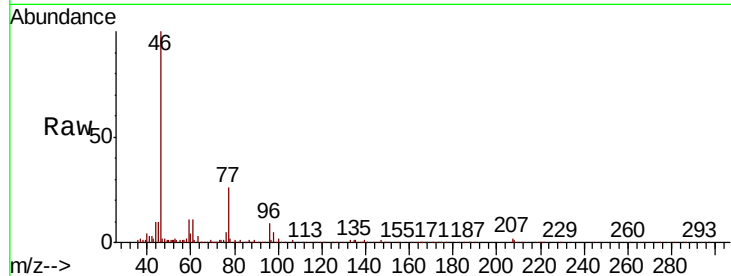


#22

cis-1,2-Dichloroethene
Concen: 0.315 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_X
ClientSampled :
MDL03

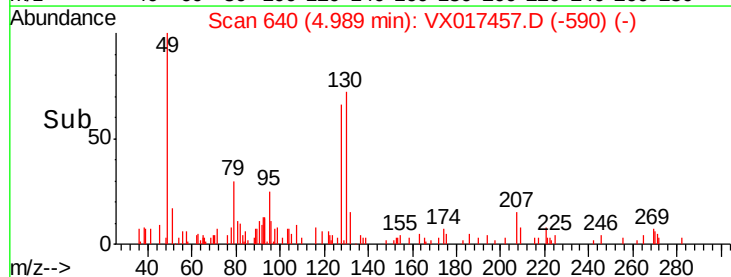
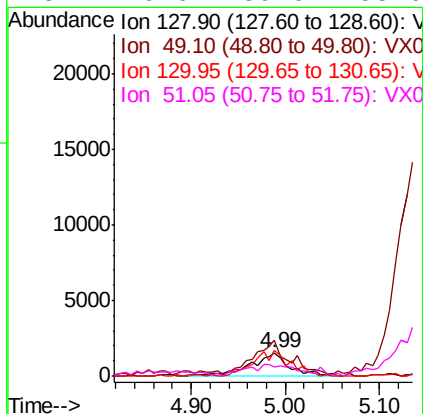
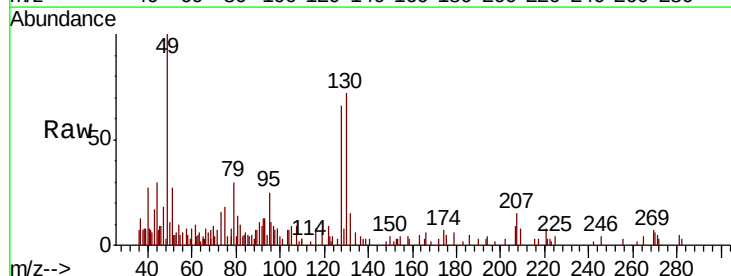
Tot Ion: 96 Resp: 8307
Ion Ratio Lower Upper
96 100
61 126.7 91.6 170.2
68 0.0 0.0 0.0

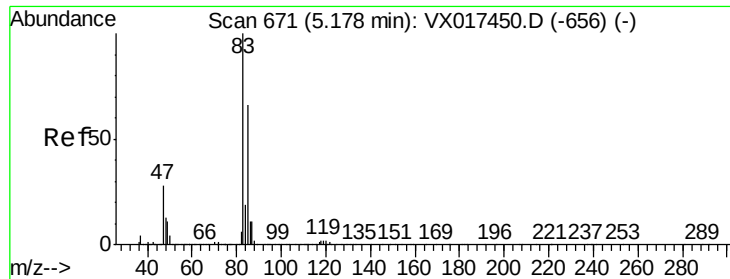


#23

Bromochloromethane
Concen: 0.347 ug/L
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion: 128 Resp: 4406
Ion Ratio Lower Upper
128 100
49 152.2 113.3 210.3
130 110.1 87.3 162.1
51 40.6 39.0 58.6





#25

Chloroform

Concen: 0.345 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

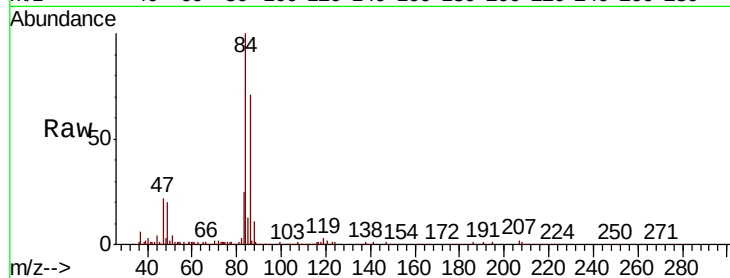
MDL03

Tot Ion: 83 Resp: 16993

Ion Ratio Lower Upper

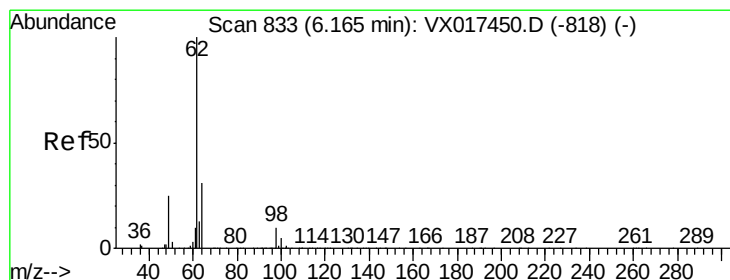
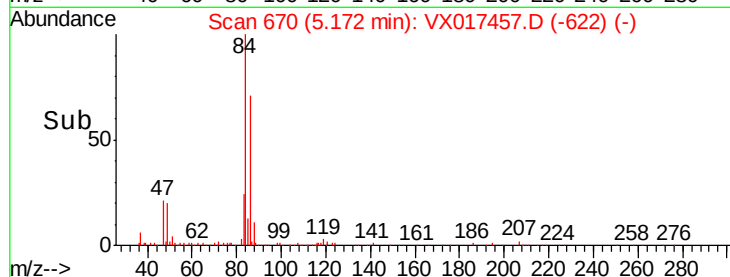
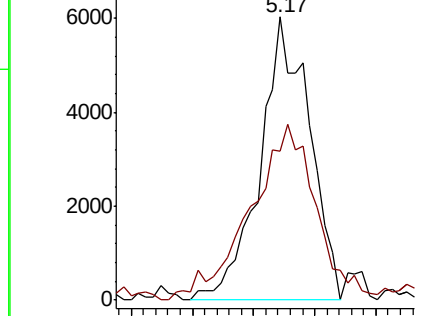
83 100

85 52.7 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 0.262 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017457.D

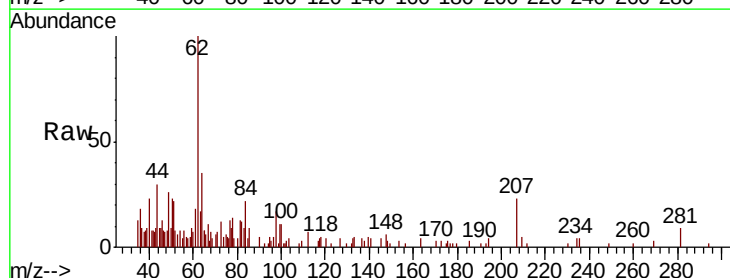
Acq: 21 Jul 2020 15:58

Tgt Ion: 62 Resp: 8300

Ion Ratio Lower Upper

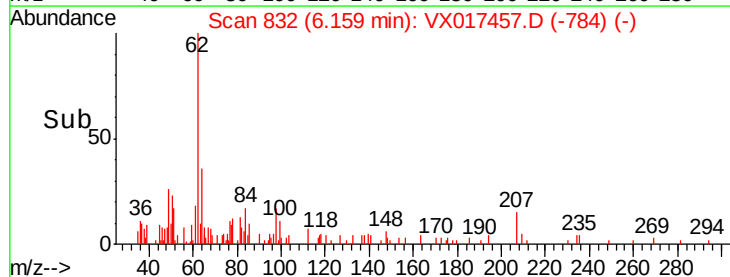
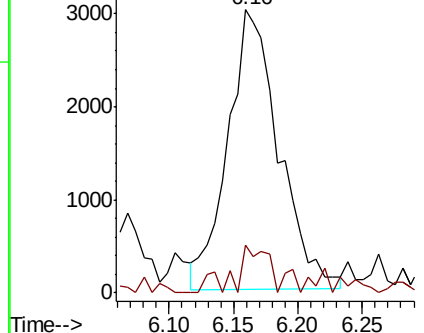
62 100

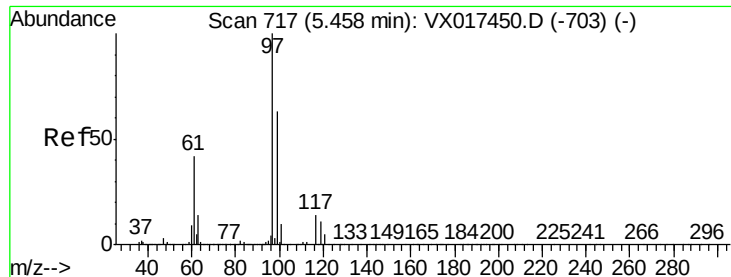
98 16.8 7.7 11.5#



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: 0.298 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampled :

MDL03

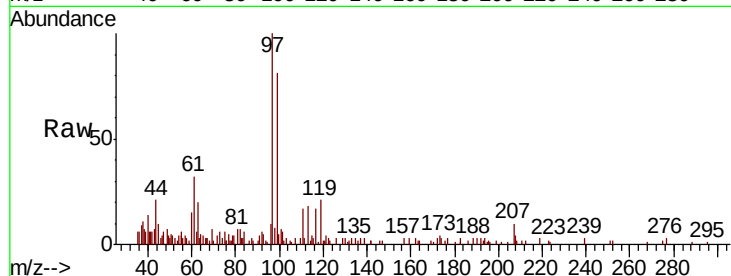
Tot Ion: 97 Resp: 13428

Ion Ratio Lower Upper

97 100

99 66.9 53.0 79.4

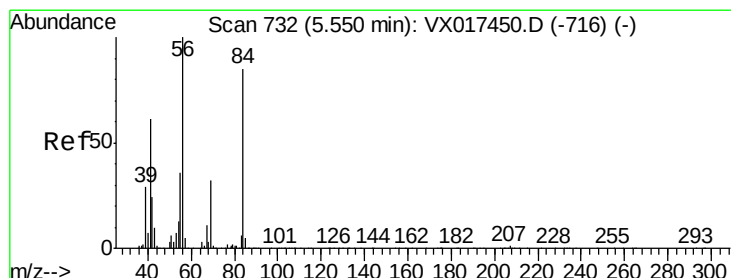
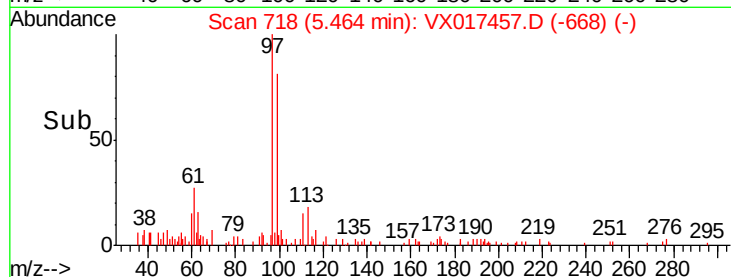
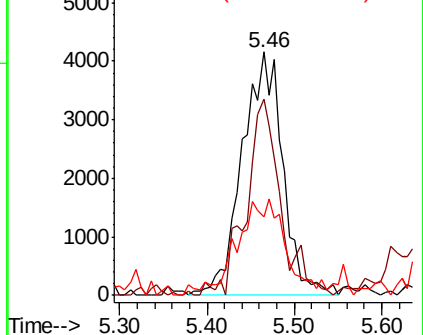
61 27.1 35.2 52.8#



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30

Cyclohexane

Concen: 0.289 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

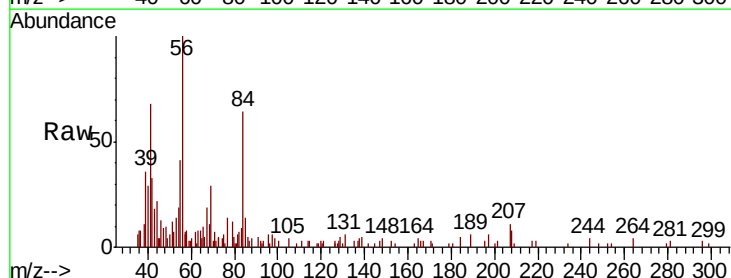
Tgt Ion: 56 Resp: 10519

Ion Ratio Lower Upper

56 100

69 0.0 25.4 38.2#

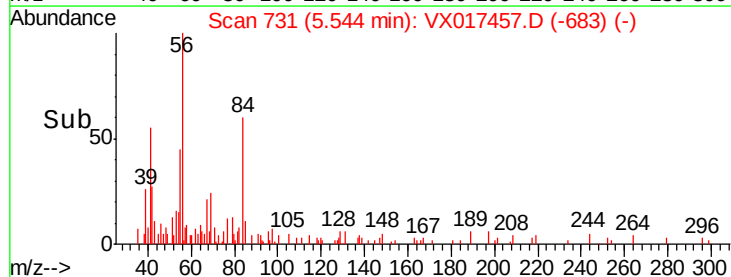
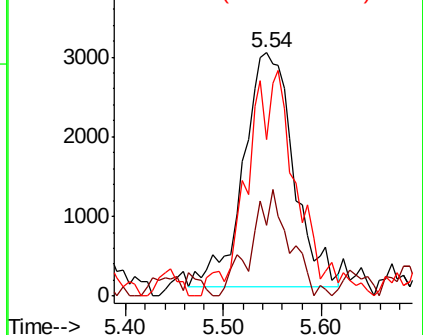
84 42.1 69.3 103.9#

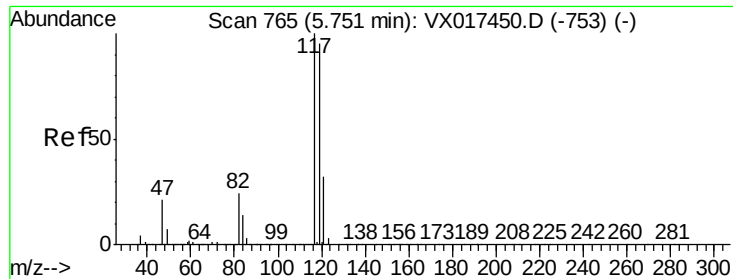


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0

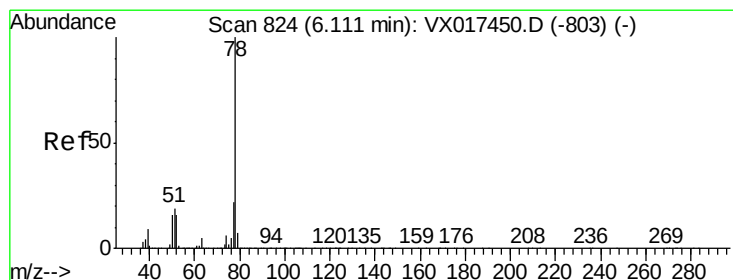
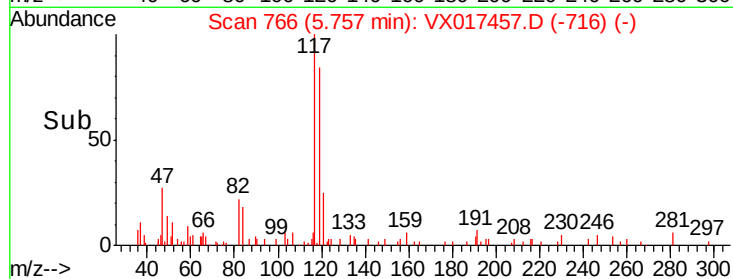
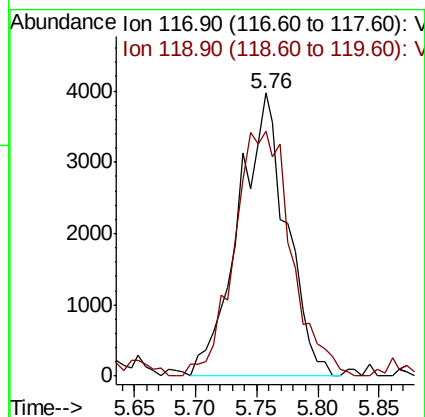
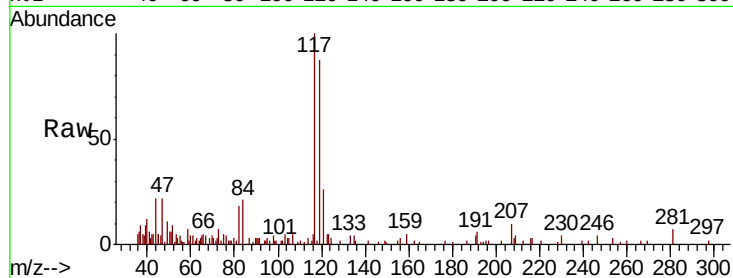




#31
Carbon tetrachloride
Concen: 0.268 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

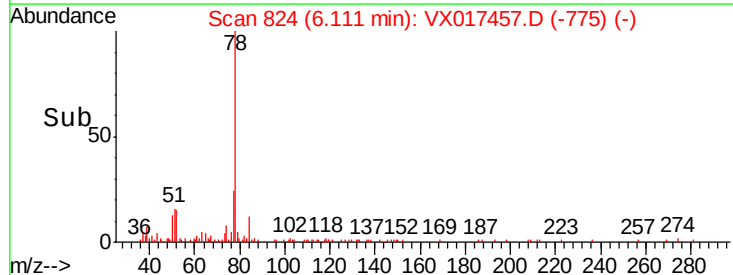
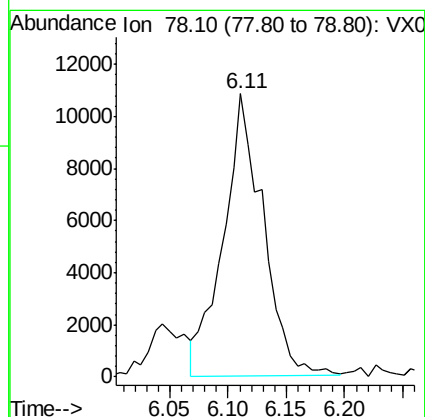
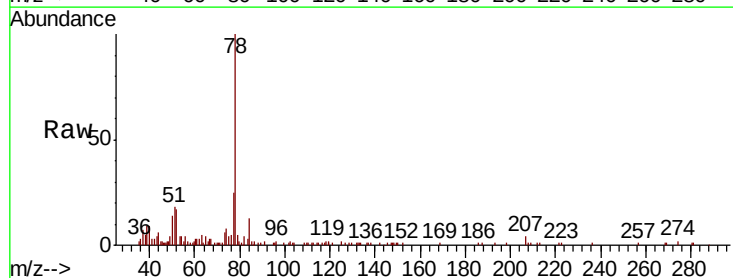
Instrument :
MSVOA_X
ClientSampleId :
MDL03

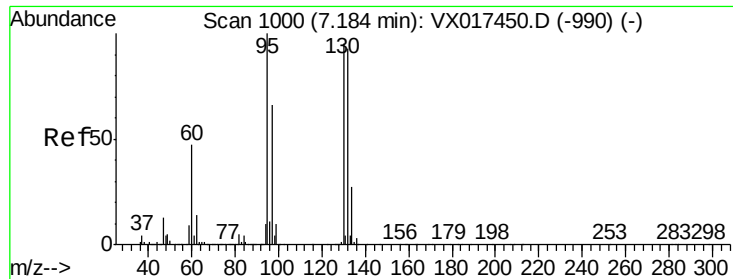
Tot Ion:117 Resp: 10895
Ion Ratio Lower Upper
117 100
119 102.1 78.5 117.7



#33
Benzene
Concen: 0.260 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion: 78 Resp: 25652





#34

Trichloroethene

Concen: 0.298 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 95 Resp: 7951

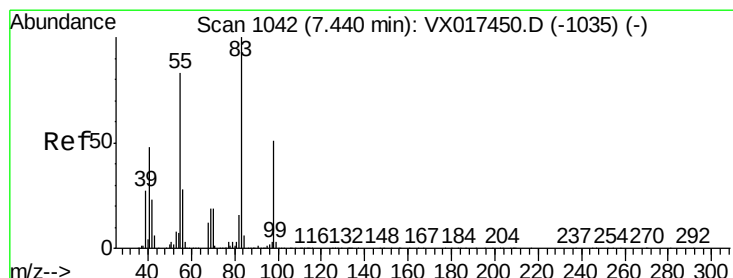
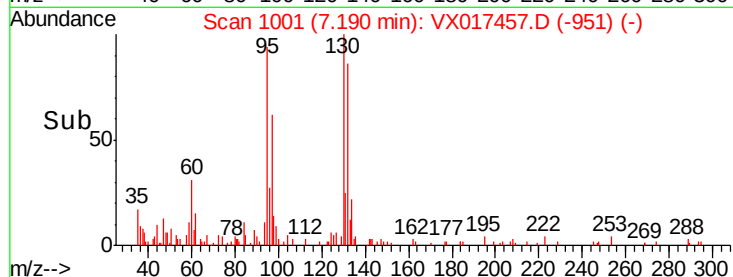
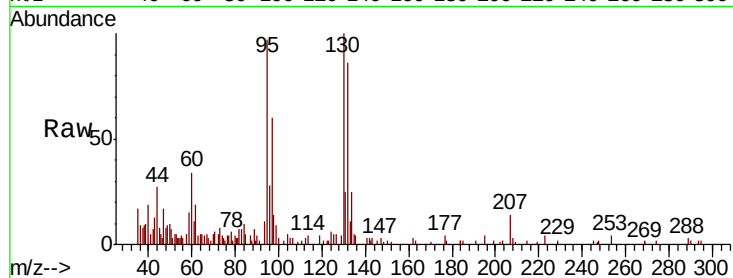
Ion Ratio Lower Upper

95 100

97 61.7 45.9 85.3

132 88.6 65.5 121.7

130 102.7 66.5 123.5



#35

Methylcyclohexane

Concen: 0.246 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

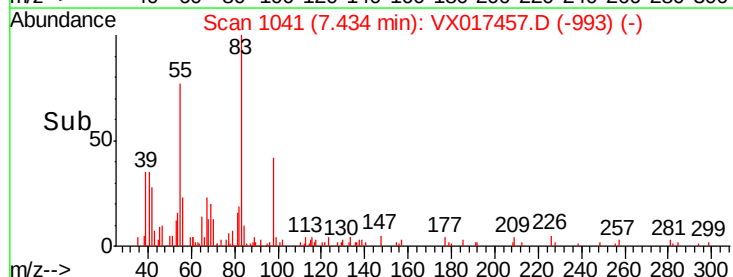
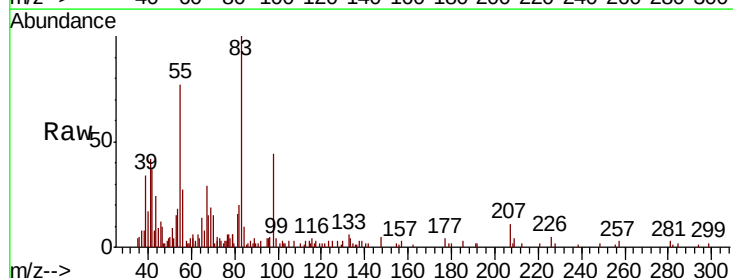
Tgt Ion: 83 Resp: 8888

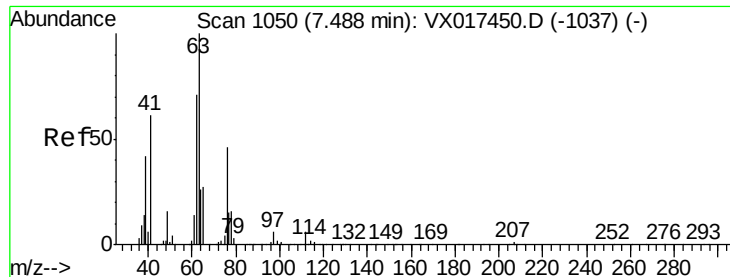
Ion Ratio Lower Upper

83 100

55 99.4 65.4 98.2#

98 57.3 39.8 59.8

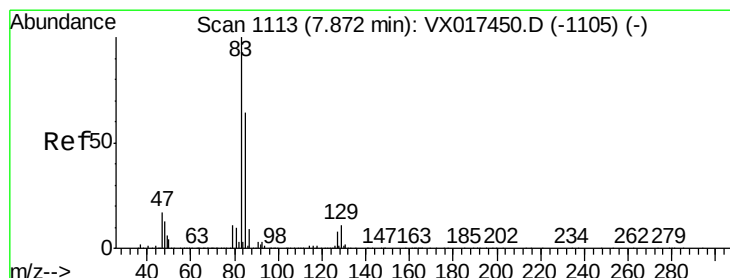
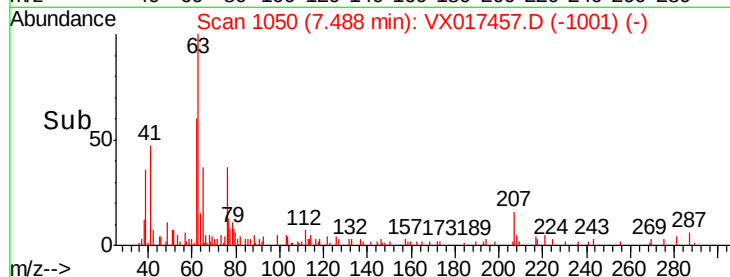
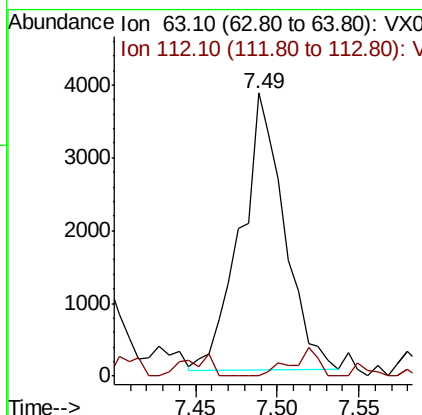
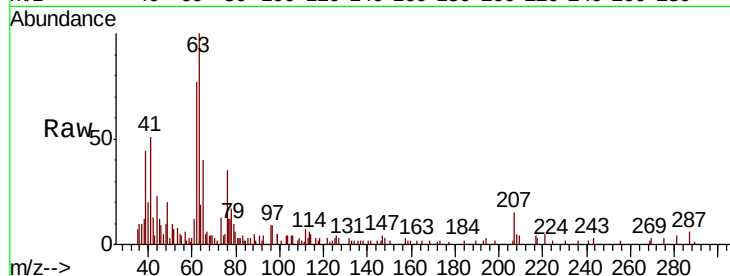




#37
 1,2-Dichloropropane
 Concen: 0.285 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

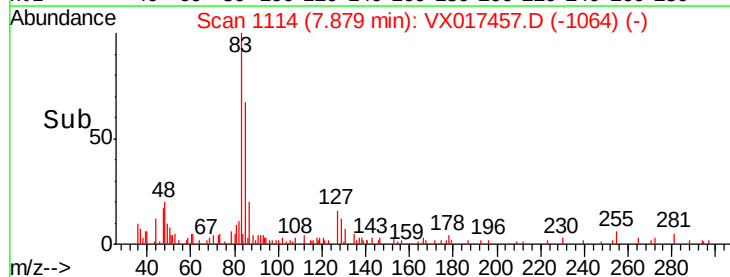
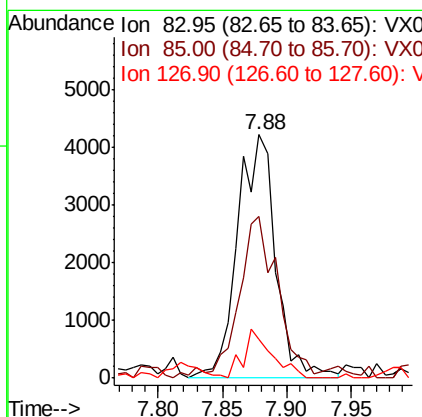
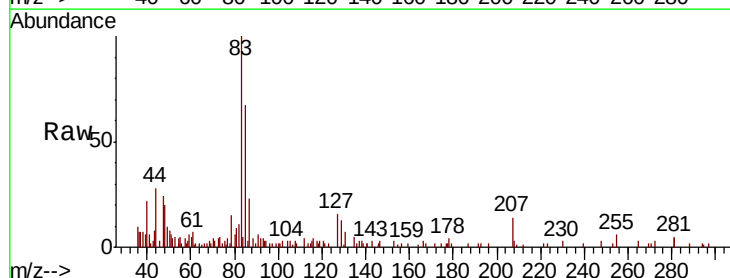
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

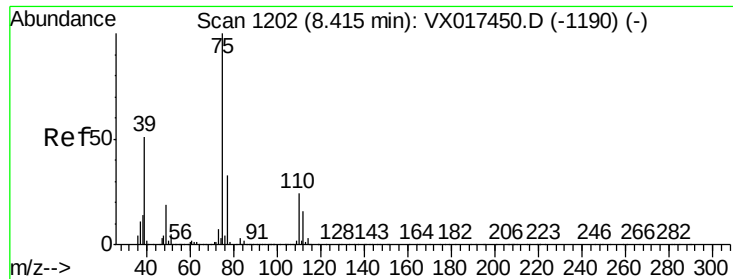
Tot Ion: 63 Resp: 7092
 Ion Ratio Lower Upper
 63 100
 112 6.1 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 0.259 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

Tgt Ion: 83 Resp: 8622
 Ion Ratio Lower Upper
 83 100
 85 66.6 44.7 83.1
 127 16.2 6.3 9.5#

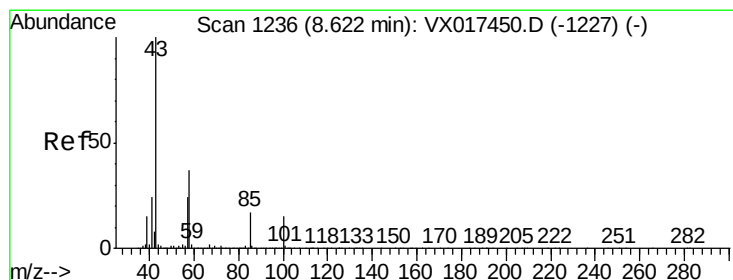
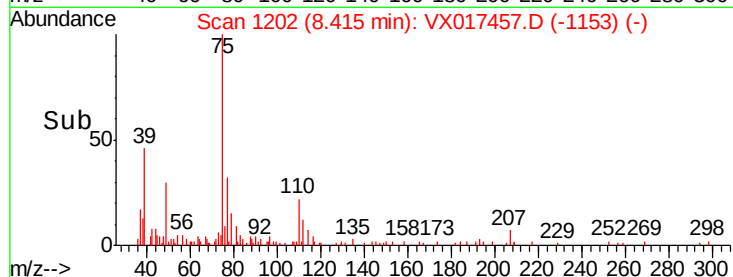
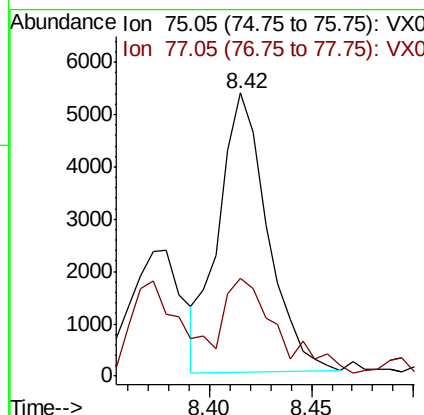
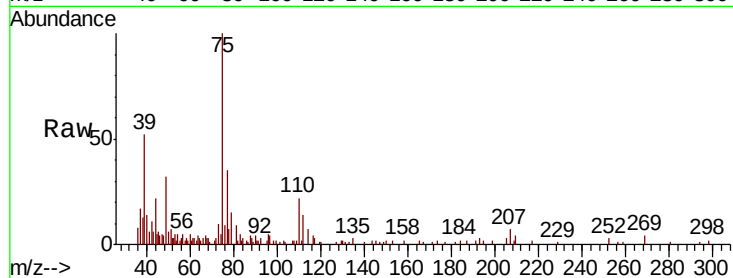




#39
 cis-1,3-Dichloropropene
 Concen: 0.245 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

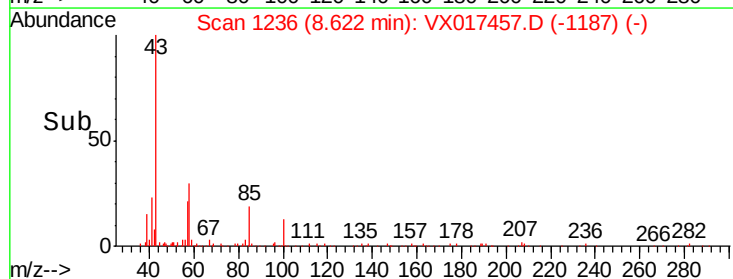
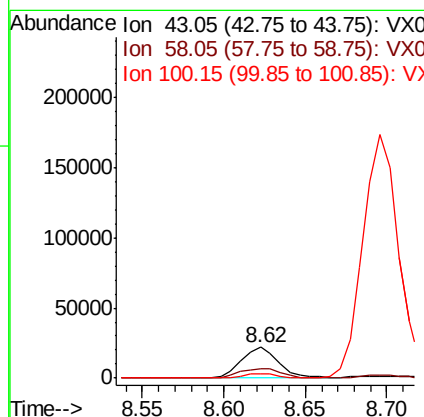
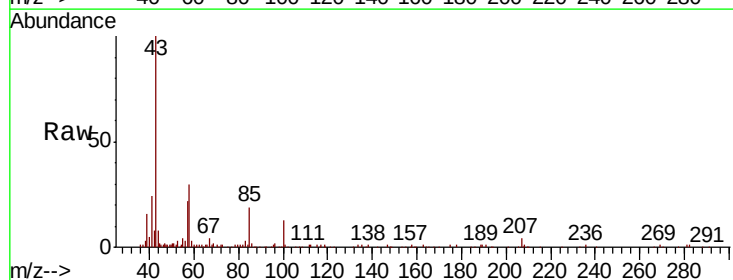
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

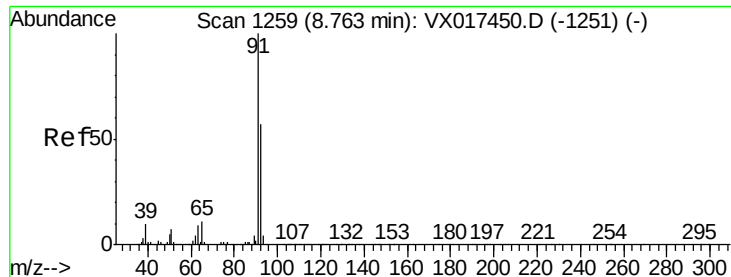
Tot Ion: 75 Resp: 8803
 Ion Ratio Lower Upper
 75 100
 77 34.6 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 2.317 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

Tgt Ion: 43 Resp: 33653
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.1 45.1
 100 0.0 6.5 9.7#





#42

Toluene

Concen: 0.268 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

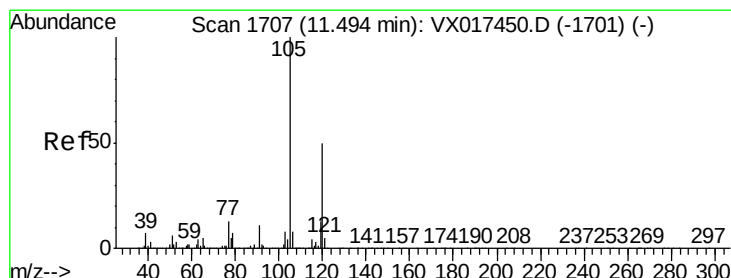
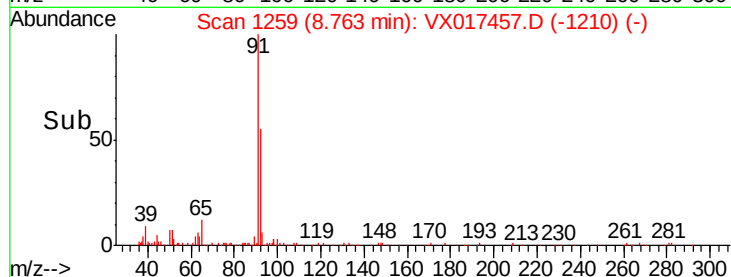
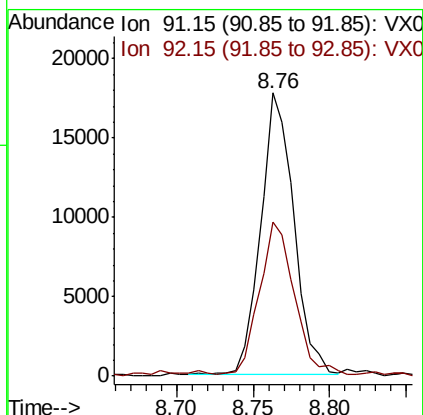
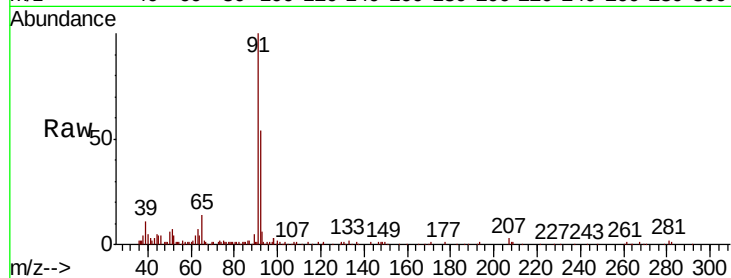
MDL03

Tot Ion: 91 Resp: 26577

Ion Ratio Lower Upper

91 100

92 54.5 39.9 74.1



#43

1,3,5-Trimethylbenzene

Concen: 0.212 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017457.D

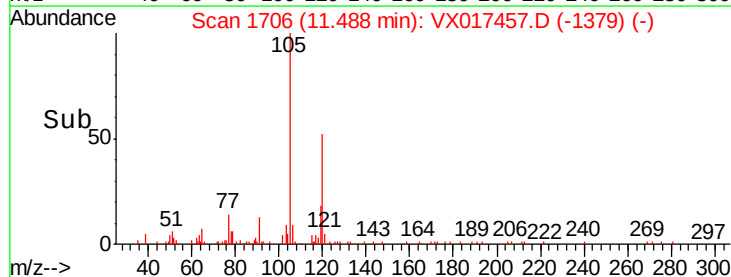
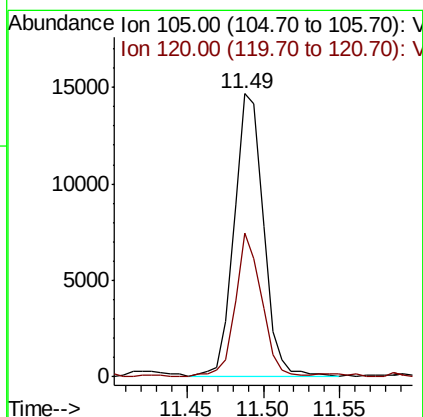
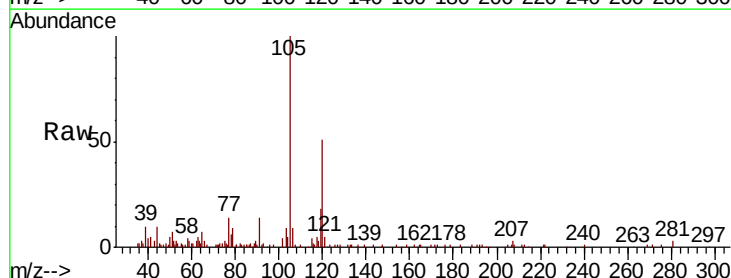
Acq: 21 Jul 2020 15:58

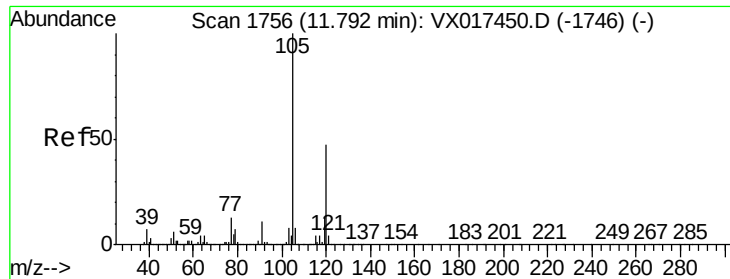
Tgt Ion: 105 Resp: 19592

Ion Ratio Lower Upper

105 100

120 46.0 38.2 57.2





#44

1,2,4-Trimethylbenzene

Concen: 0.198 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampled :

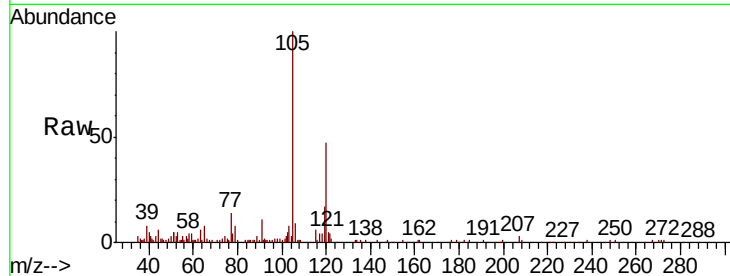
MDL03

Tot Ion:105 Resp: 18103

Ion Ratio Lower Upper

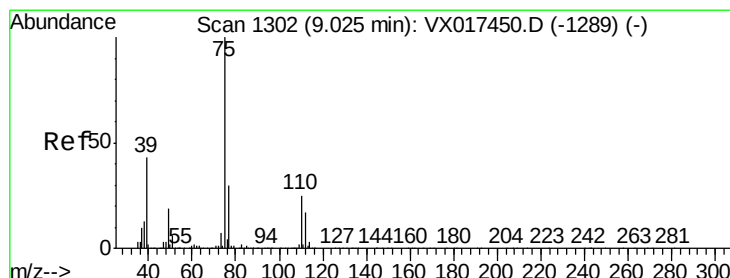
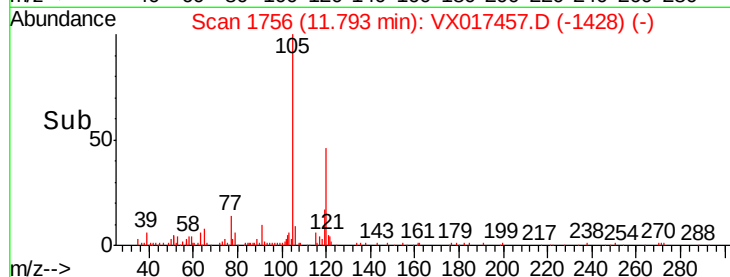
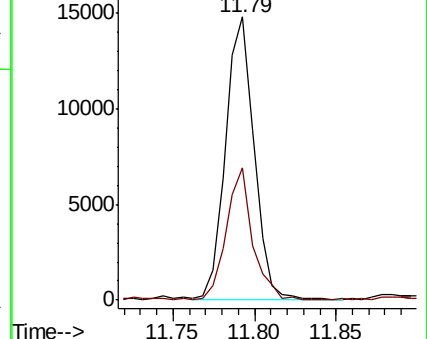
105 100

120 43.1 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 0.368 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017457.D

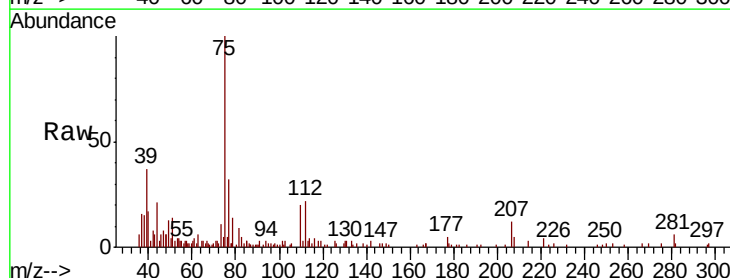
Acq: 21 Jul 2020 15:58

Tgt Ion: 75 Resp: 11358

Ion Ratio Lower Upper

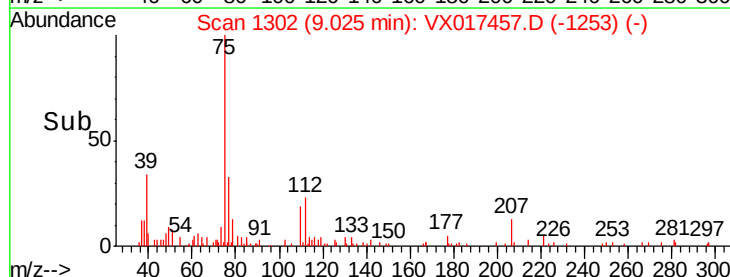
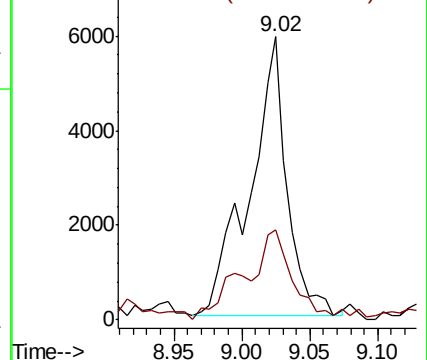
75 100

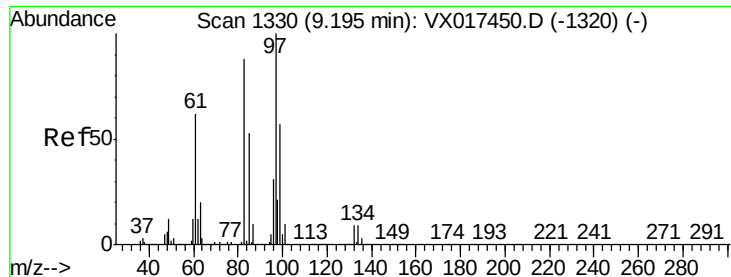
77 31.9 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0





#47

1,1,2-Trichloroethane

Concen: 0.279 ug/L

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 97 Resp: 4749

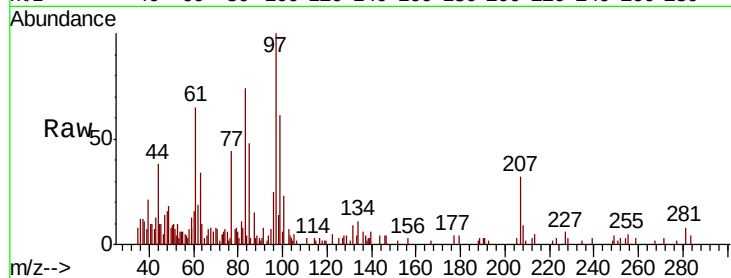
Ion Ratio Lower Upper

97 100

99 61.1 40.2 74.6

83 73.9 61.6 114.4

85 47.9 37.5 69.6



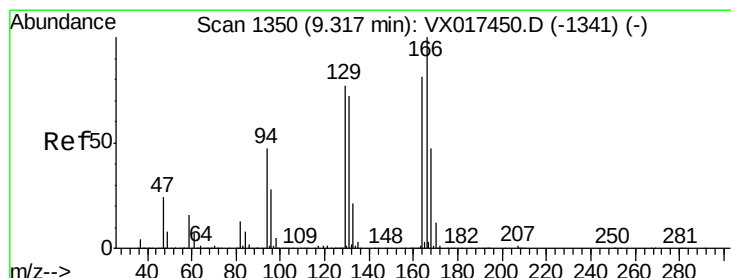
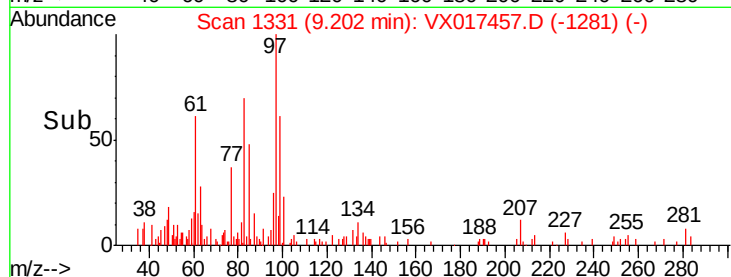
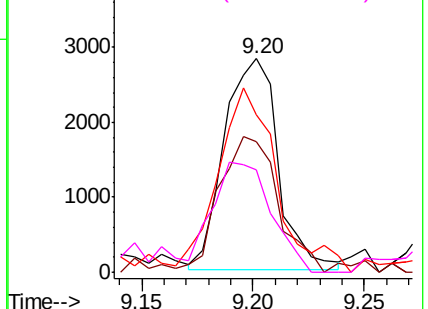
Abundance

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



#49

Tetrachloroethene

Concen: 0.284 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Tgt Ion: 164 Resp: 6151

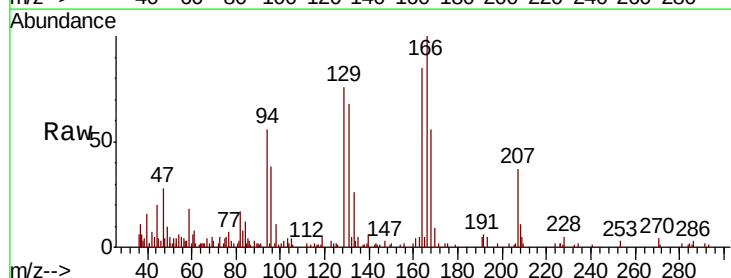
Ion Ratio Lower Upper

164 100

129 89.0 66.6 123.8

131 79.8 62.6 116.2

166 117.0 86.9 161.5



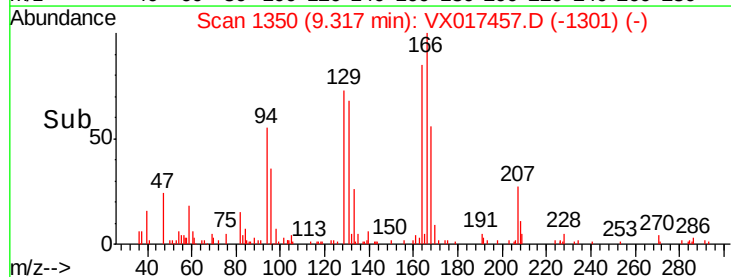
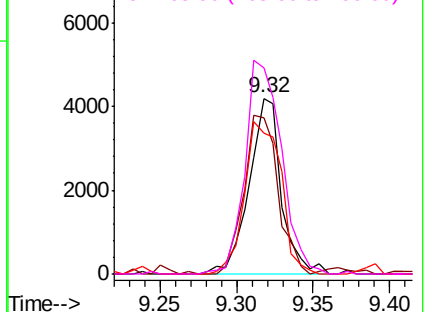
Abundance

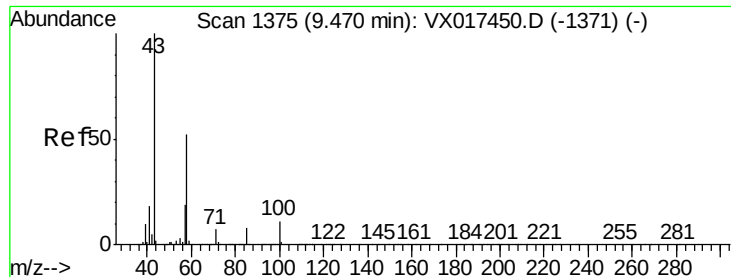
Ion 163.90 (163.60 to 164.60): V

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

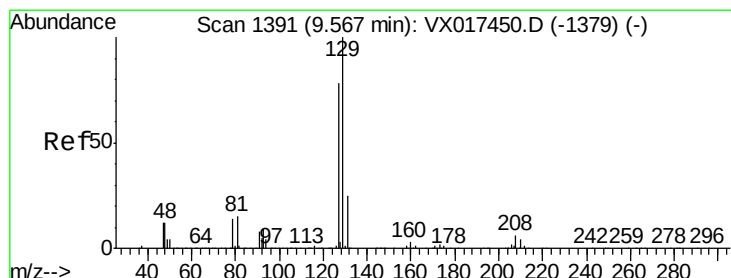
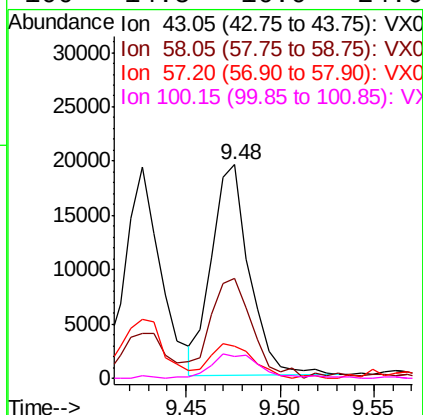
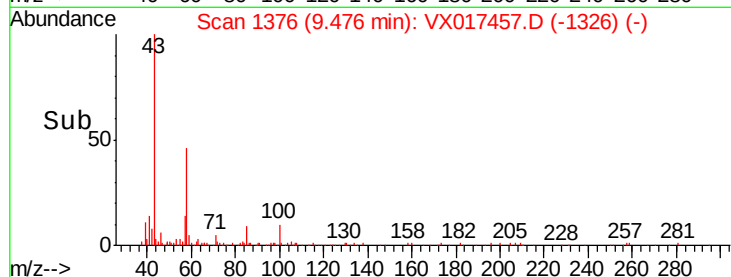
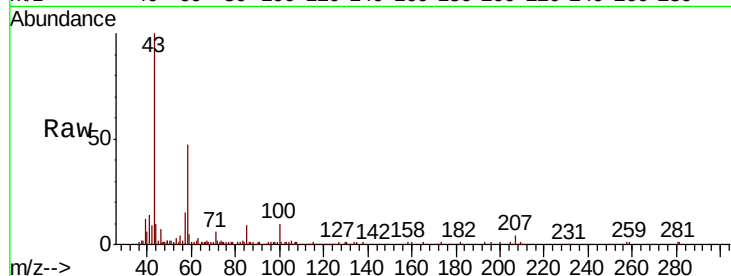




#50
2-Hexanone
Concen: 2.555 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

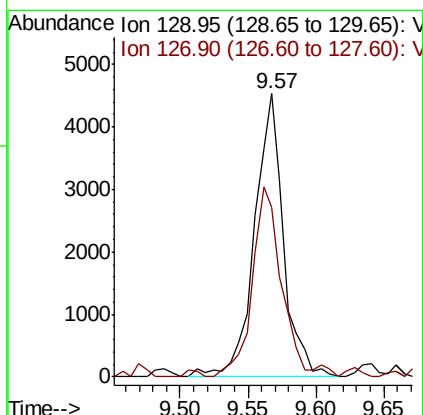
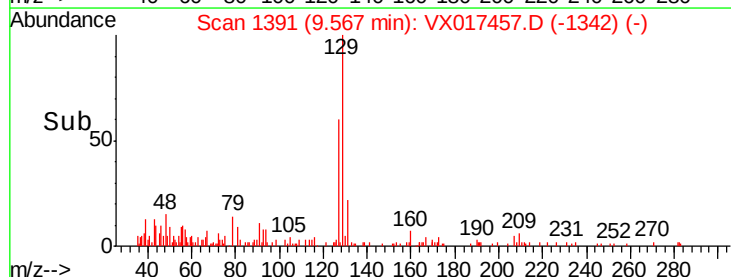
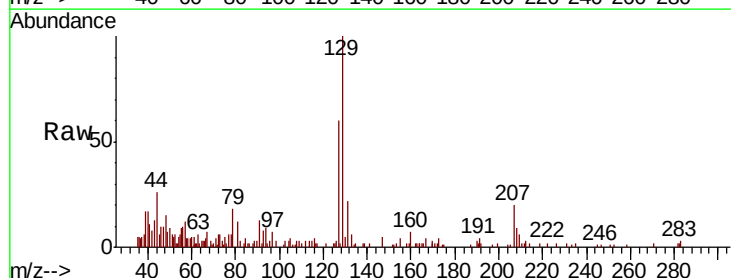
Instrument :
MSVOA_X
ClientSampleId :
MDL03

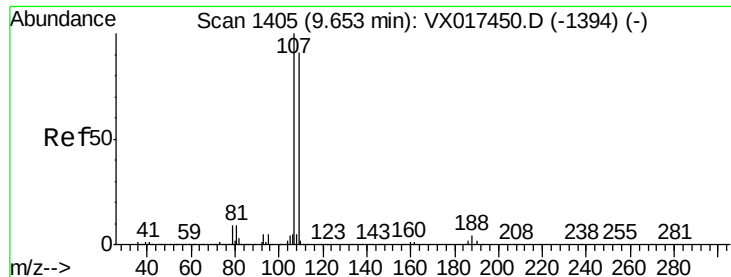
Tot Ion: 43 Resp: 27098
Ion Ratio Lower Upper
43 100
58 53.8 41.4 62.0
57 18.7 26.9 40.3#
100 14.5 16.0 24.0#



#51
Dibromochloromethane
Concen: 0.291 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion:129 Resp: 6803
Ion Ratio Lower Upper
129 100
127 59.7 54.7 101.5





#52

1,2-Dibromoethane

Concen: 0.291 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL03

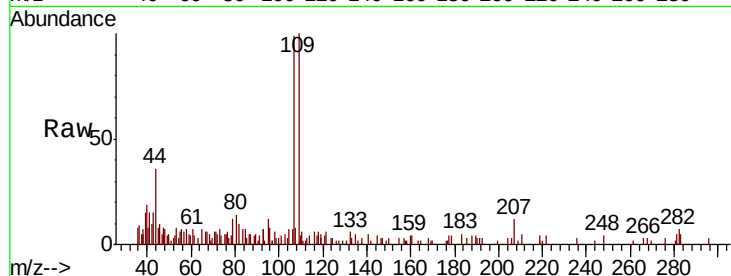
Tot Ion:107 Resp: 4894

Ion Ratio Lower Upper

107 100

109 100.8 63.9 118.7

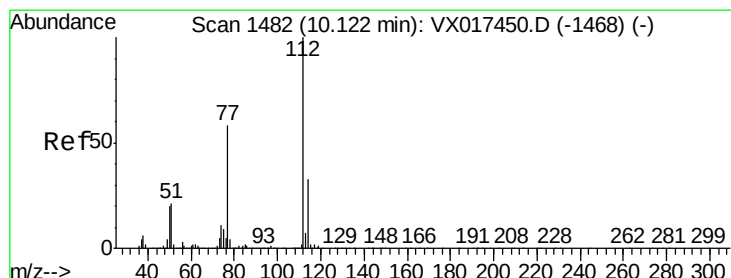
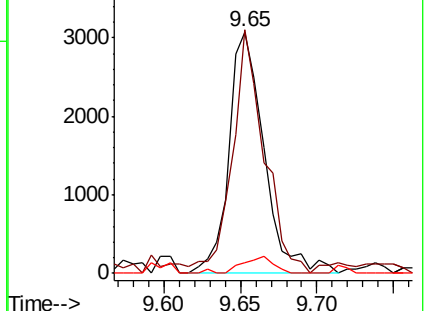
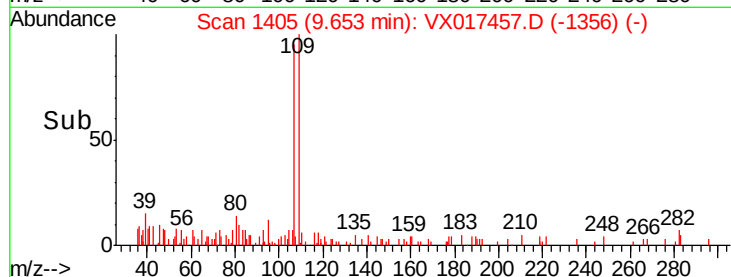
188 4.4 3.0 4.4



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



#53

Chlorobenzene

Concen: 0.250 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

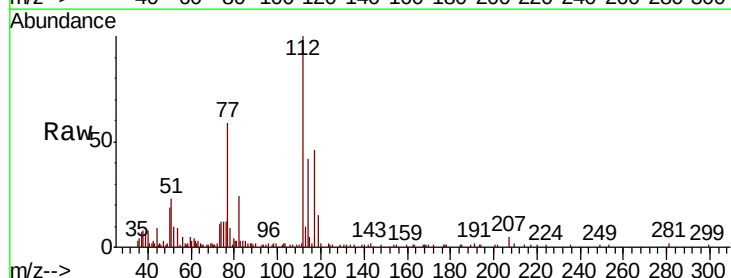
Tgt Ion:112 Resp: 16884

Ion Ratio Lower Upper

112 100

114 41.6 23.1 42.9

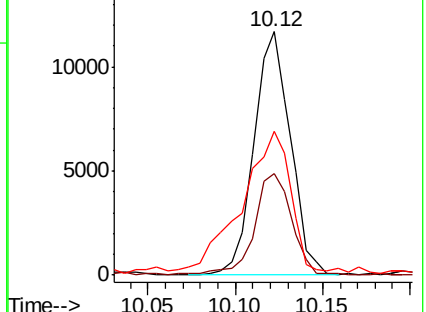
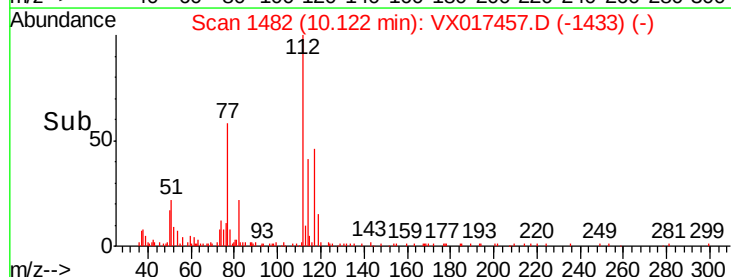
77 59.3 46.2 69.2

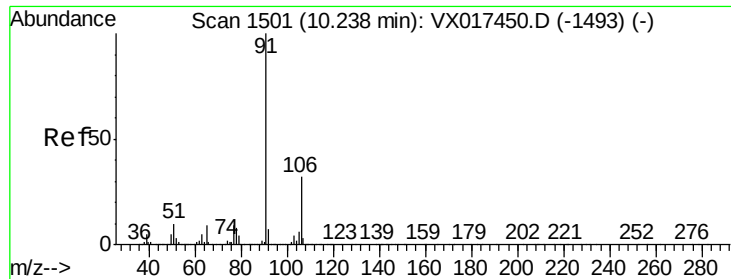


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 0.257 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

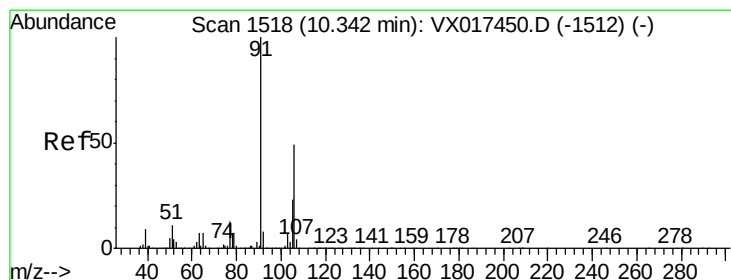
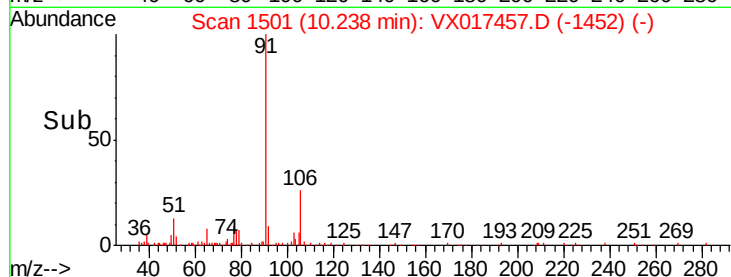
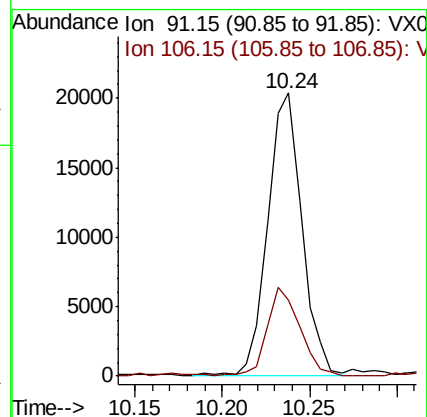
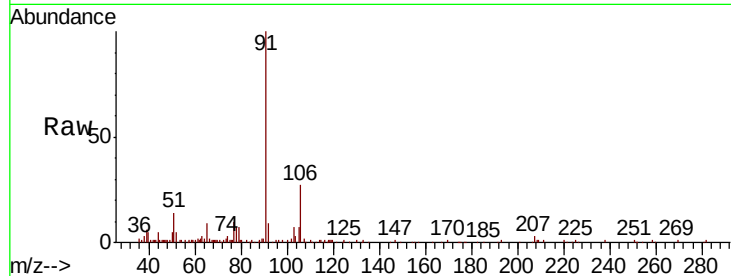
MDL03

Tot Ion: 91 Resp: 27601

Ion Ratio Lower Upper

91 100

106 26.9 22.5 41.7



#55

m,p-xylene

Concen: 0.237 ug/L

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX017457.D

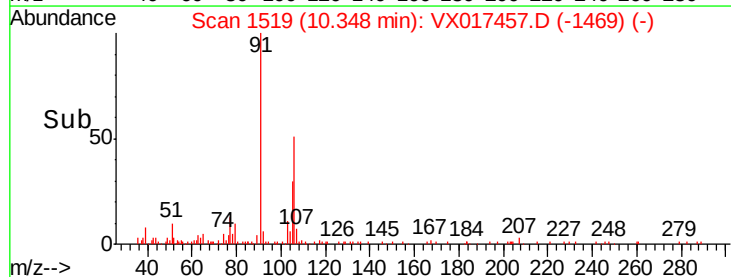
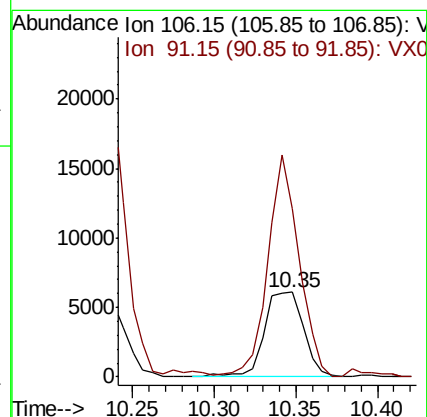
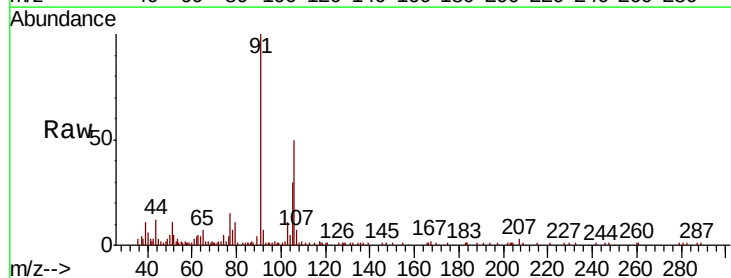
Acq: 21 Jul 2020 15:58

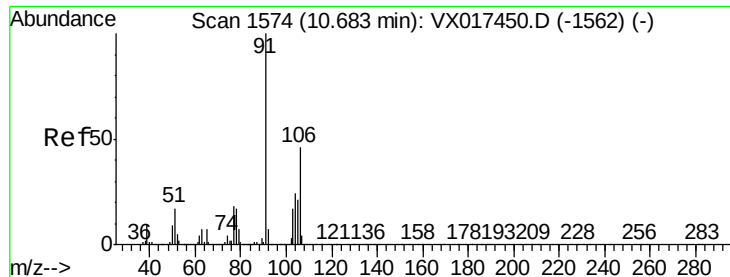
Tgt Ion: 106 Resp: 10181

Ion Ratio Lower Upper

106 100

91 198.7 142.7 264.9

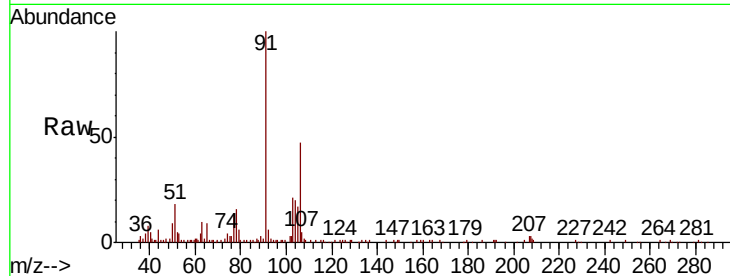




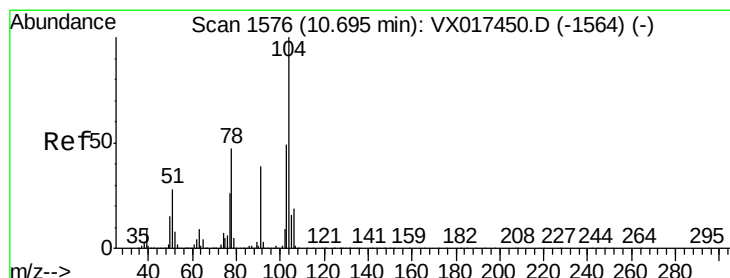
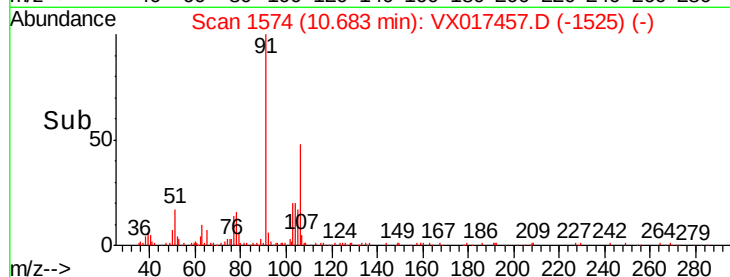
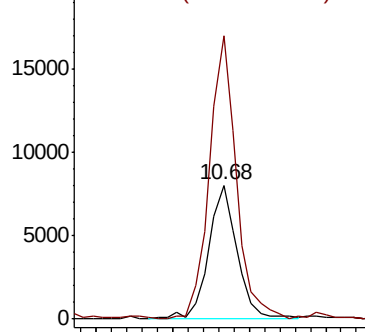
#56
o-xylene
Concen: 0.252 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion:106 Resp: 10490
Ion Ratio Lower Upper
106 100
91 210.9 153.4 284.8

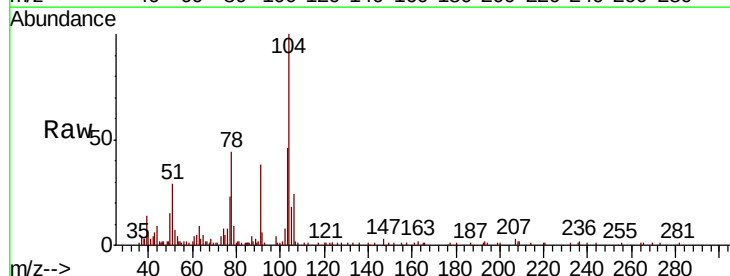


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

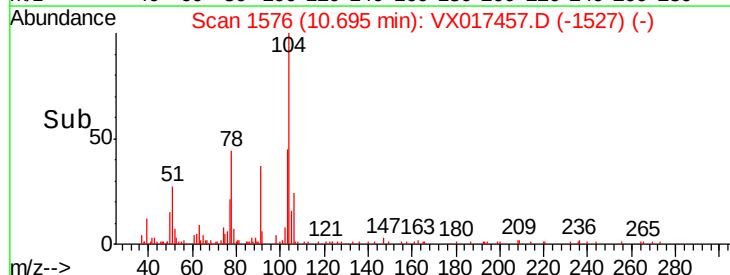
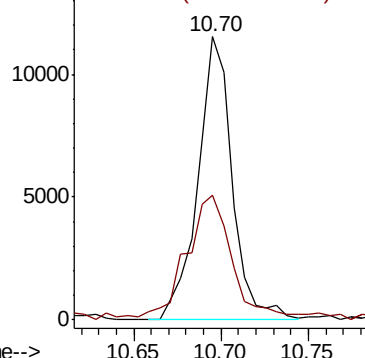


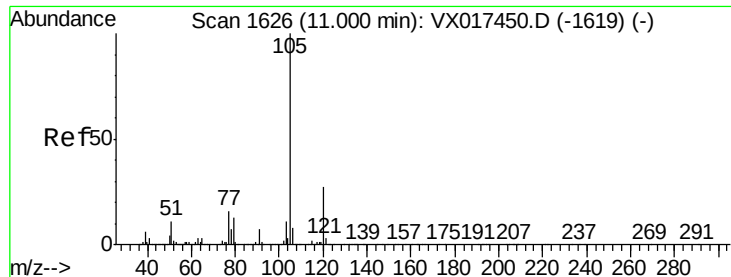
#57
Styrene
Concen: 0.227 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 15:58

Tgt Ion:104 Resp: 15751
Ion Ratio Lower Upper
104 100
78 44.0 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.221 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

MDL03

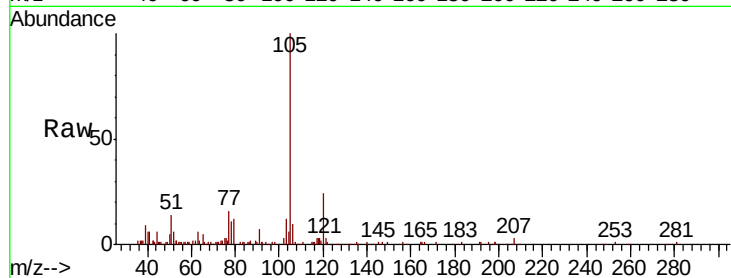
Tot Ion:105 Resp: 23758

Ion Ratio Lower Upper

105 100

120 29.7 21.4 32.2

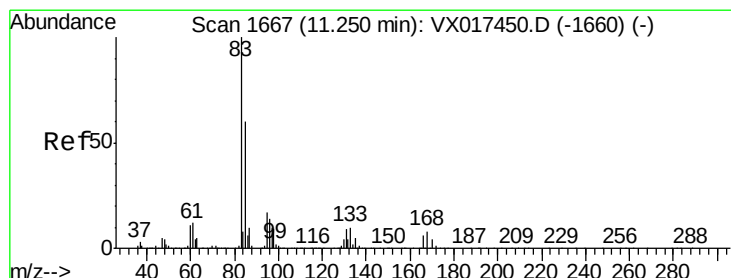
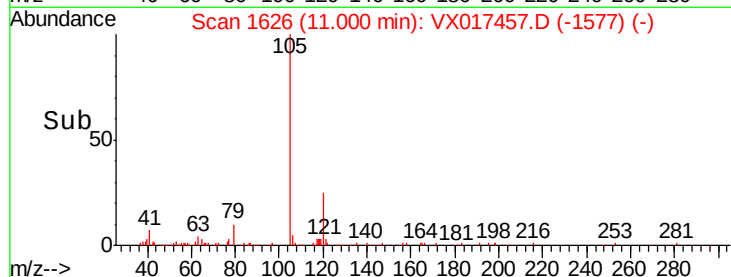
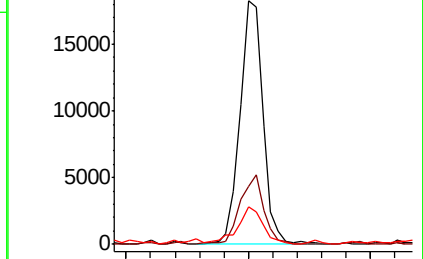
77 16.9 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.310 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

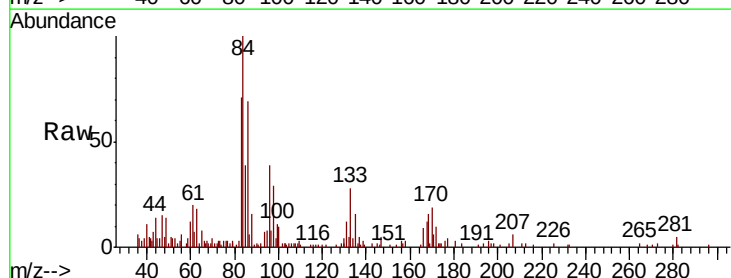
Tgt Ion: 83 Resp: 6261

Ion Ratio Lower Upper

83 100

85 54.5 42.1 78.1

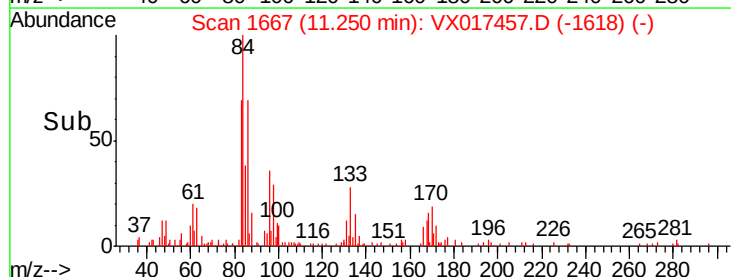
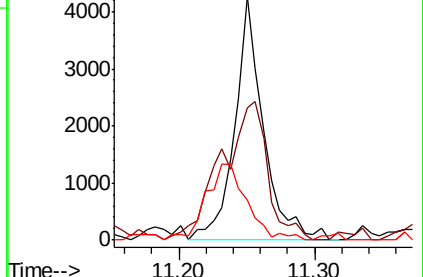
131 16.3 7.7 11.5#

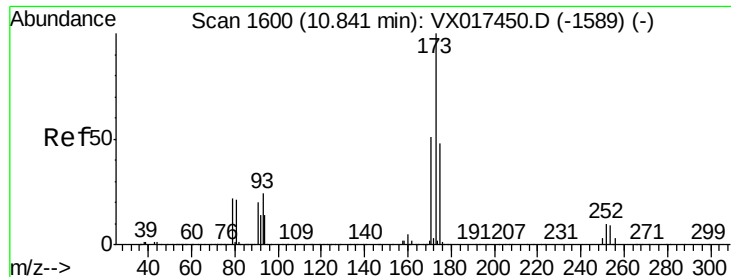


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.277 ug/L

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_X

ClientSampled :

MDL03

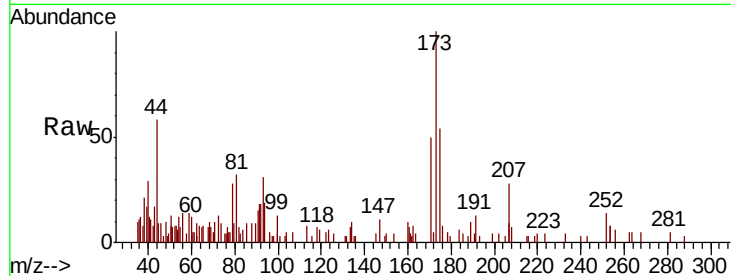
Tot Ion:173 Resp: 3338

Ion Ratio Lower Upper

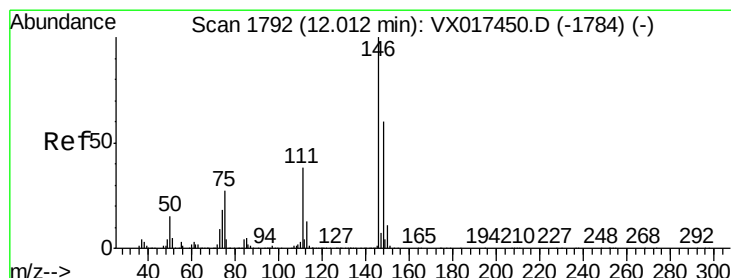
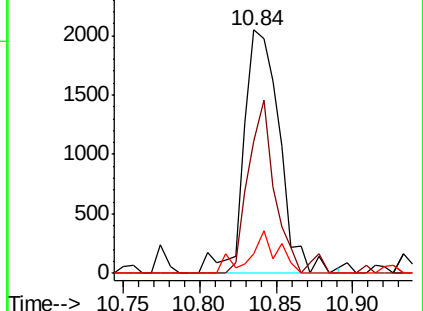
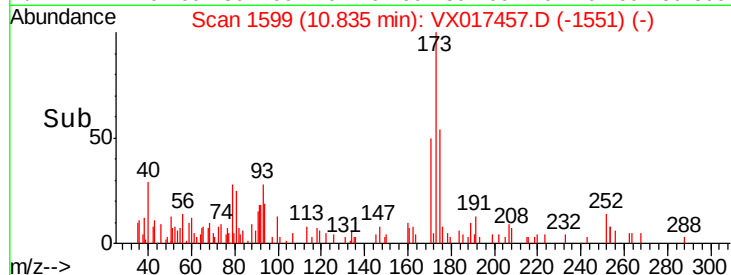
173 100

175 51.4 38.4 57.6

254 11.7 7.4 11.2#



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



#63

1,3-Dichlorobenzene

Concen: 0.256 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

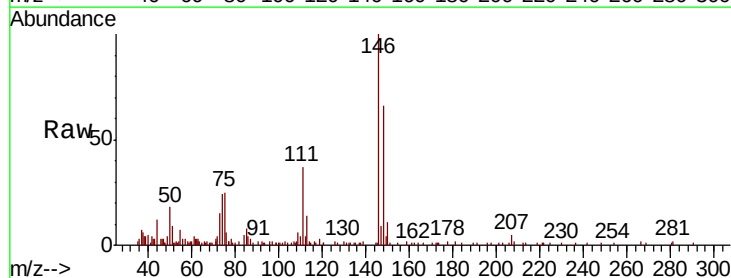
Tgt Ion:146 Resp: 12394

Ion Ratio Lower Upper

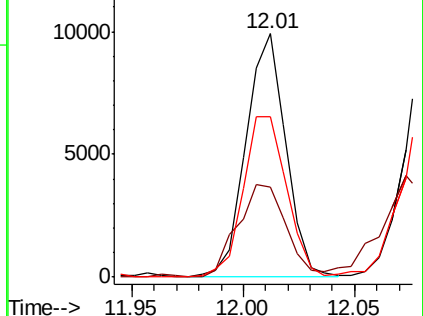
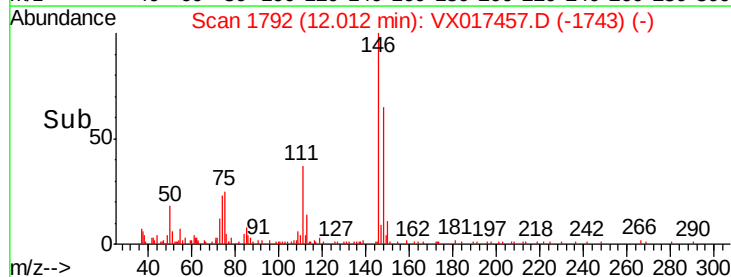
146 100

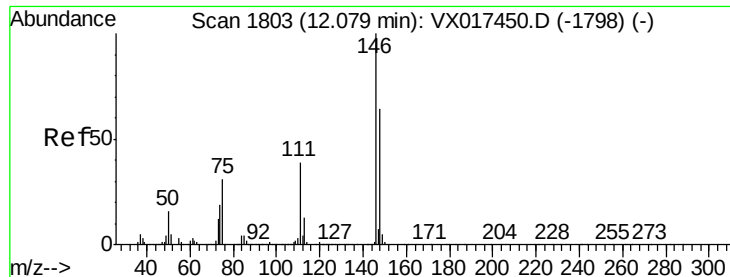
111 37.2 26.8 49.8

148 66.1 42.1 78.3



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

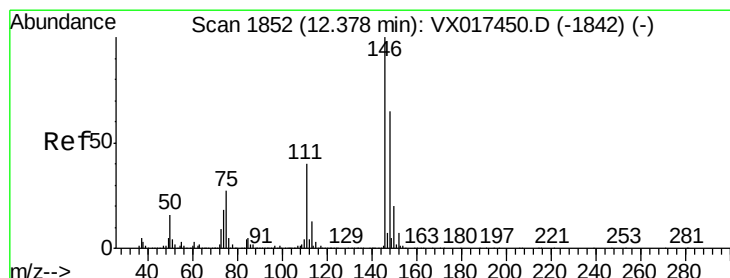
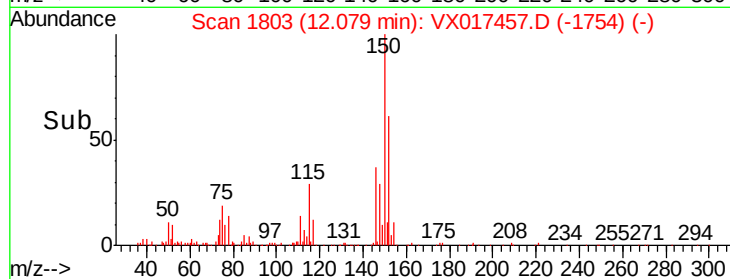
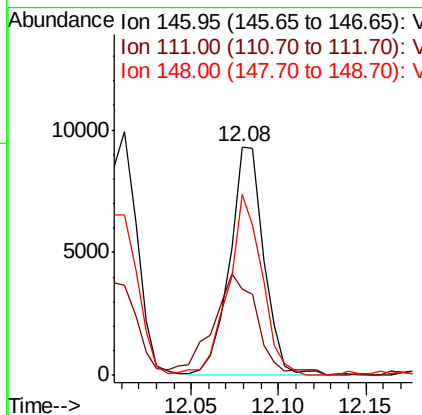
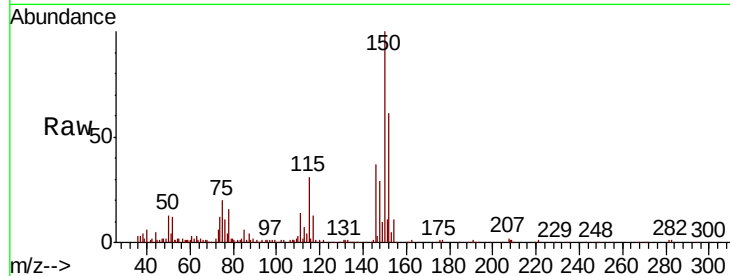




#64
 1,4-Dichlorobenzene
 Concen: 0.265 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

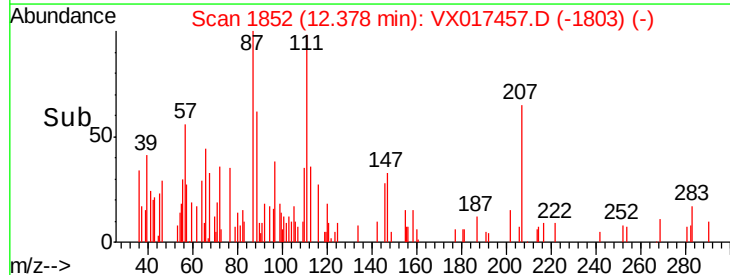
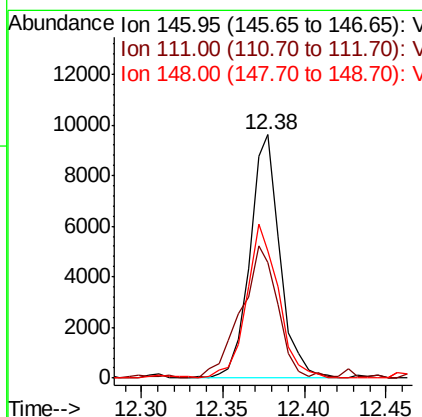
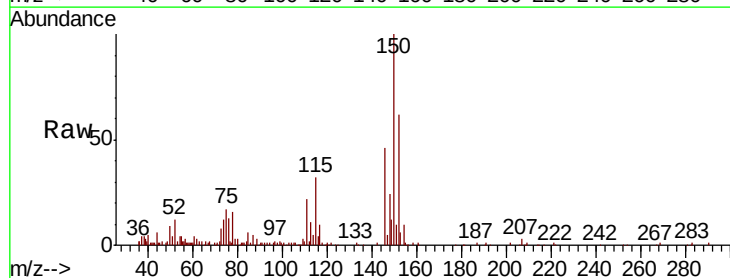
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

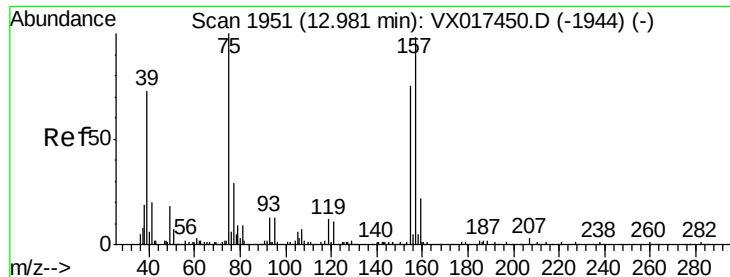
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	27.7	51.5
148	79.0	44.9	83.5



#66
 1,2-Dichlorobenzene
 Concen: 0.276 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	31.8	47.6
148	52.2	51.8	77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 0.510 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

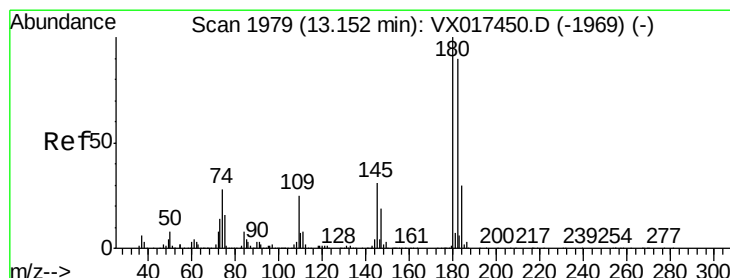
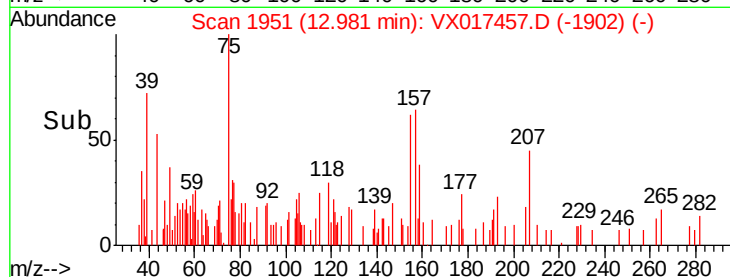
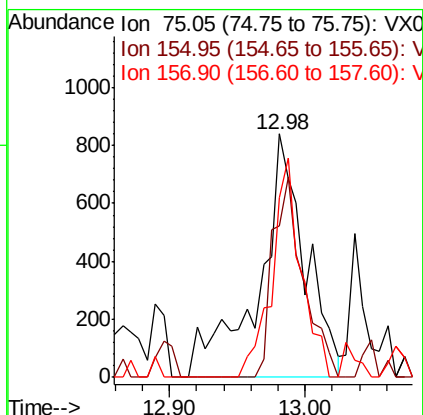
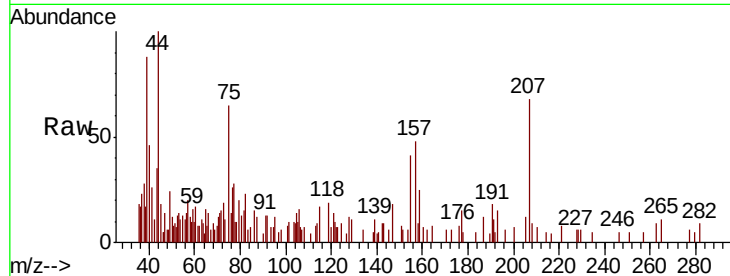
Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_X
ClientSampleID :
MDL03

Tot Ion: 75 Resp: 2011

Ion	Ratio	Lower	Upper
75	100		
155	62.1	59.6	89.4
157	73.6	78.7	118.1#



#68

1,3,5-Trichlorobenzene

Concen: 0.274 ug/L

RT: 13.15 min Scan# 1979

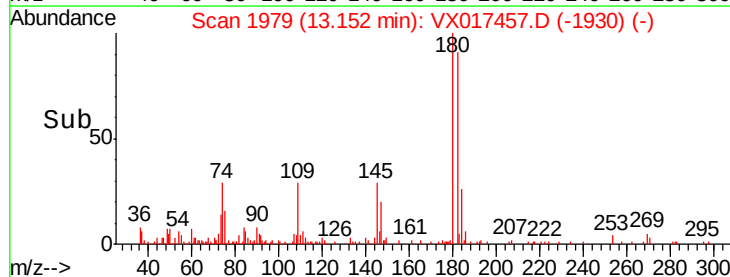
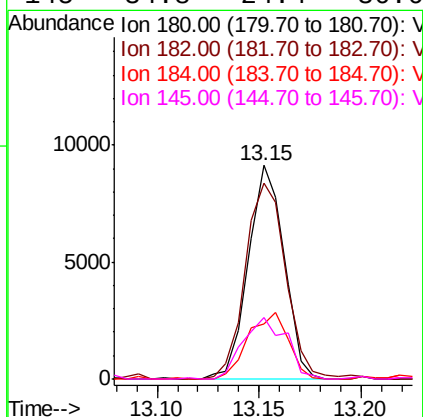
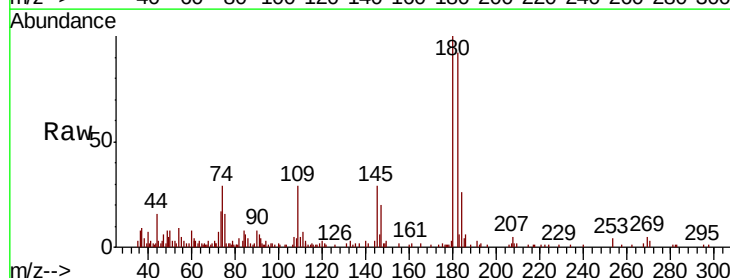
Delta R.T. 0.00 min

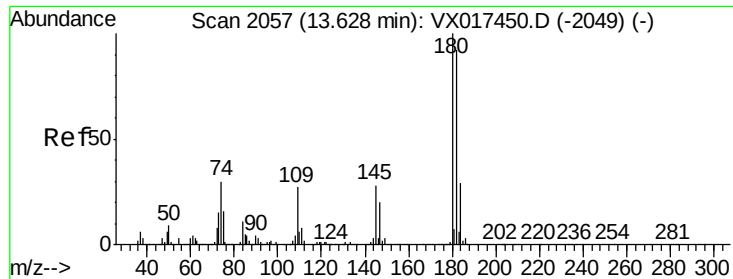
Lab File: VX017457.D

Acq: 21 Jul 2020 15:58

Tgt Ion: 180 Resp: 11149

Ion	Ratio	Lower	Upper
180	100		
182	104.5	73.8	110.8
184	34.9	24.2	36.2
145	34.8	24.4	36.6

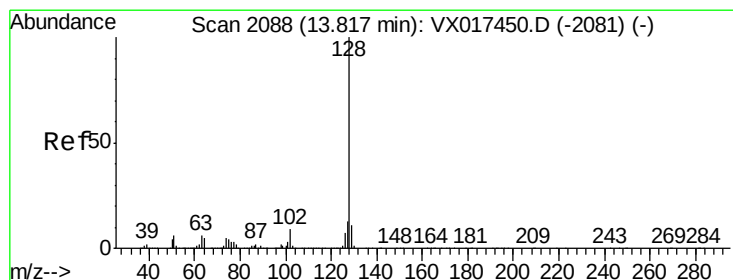
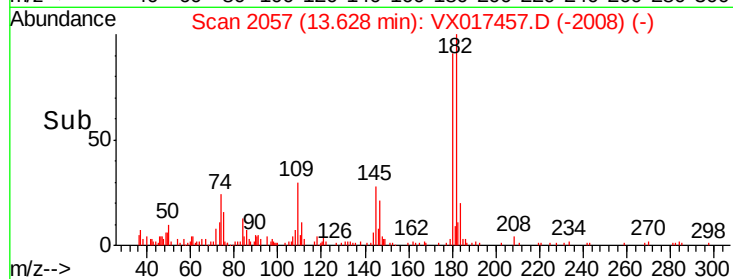
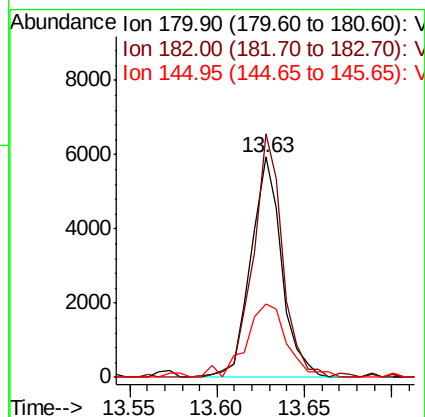
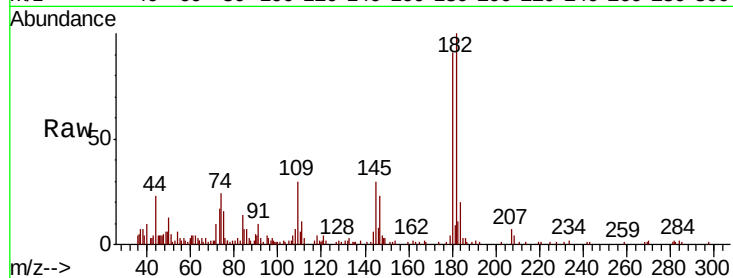




#69
 1,2,4-trichlorobenzene
 Concen: 0.246 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

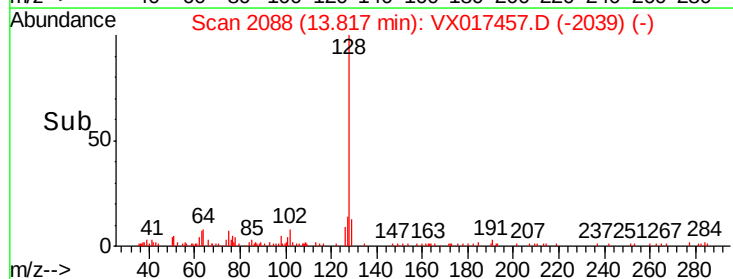
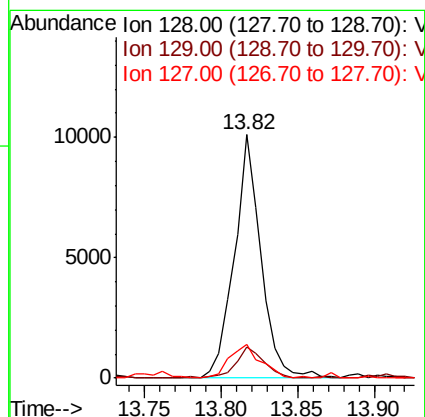
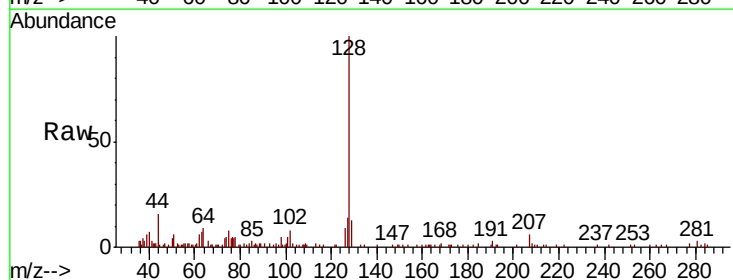
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

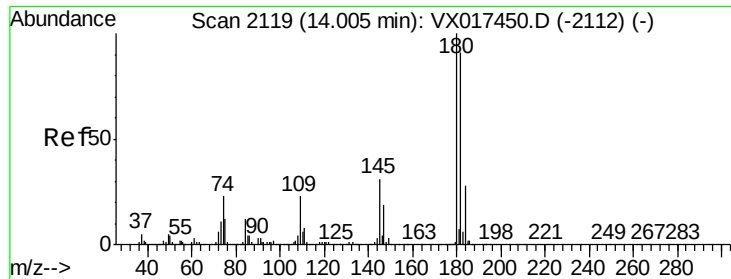
Tot Ion:180 Resp: 7336
 Ion Ratio Lower Upper
 180 100
 182 105.7 75.3 112.9
 145 44.7 24.3 36.5#



#70
 Naphthalene
 Concen: 0.235 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

Tgt Ion:128 Resp: 12264
 Ion Ratio Lower Upper
 128 100
 129 13.5 8.7 13.1#
 127 16.3 10.2 15.4#

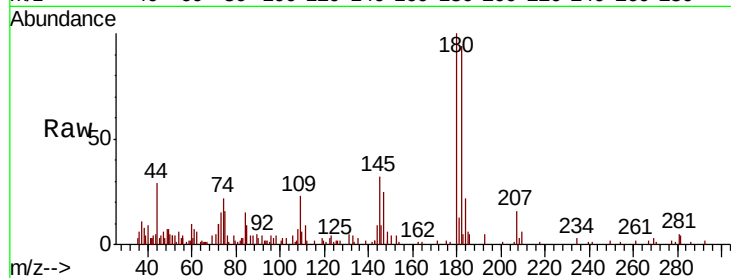




#71
 1,2,3-Trichlorobenzene
 Concen: 0.263 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 7247
 Ion Ratio Lower Upper
 180 100
 182 98.7 75.3 112.9
 145 39.9 26.9 40.3



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

