

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO010821\
 Data File : VX020542.D
 Acq On : 08 Jan 2021 16:39
 Operator : JC/MD
 Sample : L5214-06
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:44:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 09 04:41:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	316921	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	312540	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	136168	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	111990	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.96%
7) Chloroethane-d5	1.70	69	95181	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.66%
11) 1,1-Dichloroethene-d2	2.34	63	169132	35.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.12%
21) 2-Butanone-d5	4.53	46	176296	113.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.00%
24) Chloroform-d	5.13	84	235867	53.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.66%
26) 1,2-Dichloroethane-d4	6.03	65	154467	53.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.48%
32) Benzene-d6	6.04	84	468355	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
36) 1,2-Dichloropropane-d6	7.37	67	151250	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.06%
41) Toluene-d8	8.70	98	412031	48.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.70%
43) trans-1,3-Dichloropropene-	8.99	79	70190	49.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.26%
47) 2-Hexanone-d5	9.43	63	133319	103.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.83%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	199857	49.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.98%
66) 1,2-Dichlorobenzene-d4	12.36	152	143478	53.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	7233	2.344 ug/L	98
3) Chloromethane	1.31	50	6982	2.514 ug/L	99
5) Vinyl chloride	1.39	62	7193	2.438 ug/L #	68
6) Bromomethane	1.64	94	4121	2.762 ug/L	98
8) Chloroethane	1.71	64	4472	2.531 ug/L	91
9) Trichlorofluoromethane	1.92	101	8924	2.402 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	7298	3.160 ug/L #	82
12) 1,1-Dichloroethene	2.36	96	6706	2.970 ug/L #	1
13) Acetone	2.43	43	6136	4.799 ug/L	98
14) Carbon disulfide	2.55	76	15516	2.141 ug/L	97
15) Methyl Acetate	2.75	43	6295	2.472 ug/L	96
16) Methylene chloride	2.83	84	7177	2.658 ug/L	93
17) trans-1,2-Dichloroethene	3.14	96	5858	2.410 ug/L	99
18) Methyl tert-butyl Ether	3.16	73	16993	2.314 ug/L #	89
19) 1,1-Dichloroethane	3.67	63	10606	2.412 ug/L	95
20) cis-1,2-Dichloroethene	4.56	96	6047	2.275 ug/L	97
22) 2-Butanone	4.65	43	8493	4.494 ug/L	98

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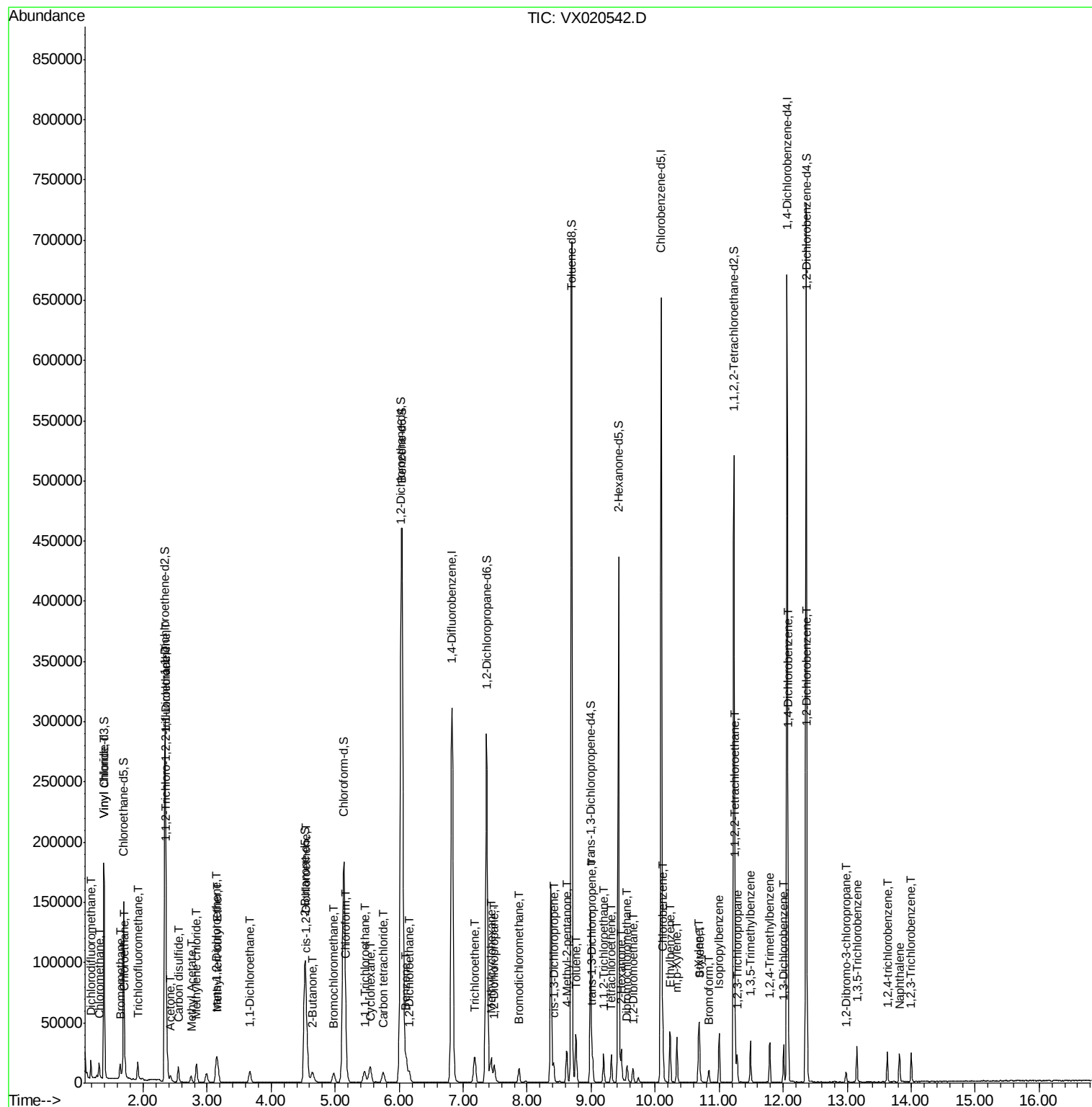
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.97	128	3341	2.431	ug/L	94
25) Chloroform	5.17	83	12312	2.565	ug/L	94
27) 1,2-Dichloroethane	6.16	62	9110	2.574	ug/L	96
29) Cyclohexane	5.55	56	4519	1.173	ug/L #	35
30) 1,1,1-Trichloroethane	5.46	97	8873	2.221	ug/L	98
31) Carbon tetrachloride	5.75	117	7769	2.300	ug/L	96
33) Benzene	6.10	78	23770	2.301	ug/L	100
34) Trichloroethene	7.18	95	6214	2.362	ug/L	88
35) Methylcyclohexane	7.44	83	8029	2.030	ug/L	96
37) 1,2-Dichloropropane	7.49	63	6400	2.442	ug/L #	95
38) Bromodichloromethane	7.87	83	7719	2.294	ug/L	97
39) cis-1,3-Dichloropropene	8.41	75	8466	2.148	ug/L	92
40) 4-Methyl-2-pentanone	8.62	43	14945	4.341	ug/L	98
42) Toluene	8.76	91	25028	2.313	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	8610	2.238	ug/L	97
45) 1,1,2-Trichloroethane	9.20	97	6130	2.364	ug/L	98
46) Tetrachloroethene	9.32	164	4539	2.226	ug/L	92
48) 2-Hexanone	9.47	43	13027	4.789	ug/L	96
49) Dibromochloromethane	9.56	129	5904	2.220	ug/L	96
50) 1,2-Dibromoethane	9.65	107	6281	2.338	ug/L	100
51) Chlorobenzene	10.12	112	16105	2.351	ug/L	97
52) Ethylbenzene	10.23	91	23986	2.073	ug/L	95
53) m,p-Xylene	10.34	106	8965	2.074	ug/L	91
54) o-Xylene	10.68	106	8327	1.985	ug/L	100
55) Styrene	10.69	104	12956	1.824	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.25	83	9766	2.373	ug/L #	96
59) Bromoform	10.84	173	3888	2.286	ug/L	97
60) Isopropylbenzene	11.00	105	19837	2.066	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	7648	2.575	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	14561	1.860	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	14374	1.819	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	10060	2.246	ug/L	91
65) 1,4-Dichlorobenzene	12.08	146	10954	2.420	ug/L	93
67) 1,2-Dichlorobenzene	12.38	146	11352	2.542	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.98	75	1662	2.212	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	7202	2.342	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	5787	2.186	ug/L	97
71) Naphthalene	13.82	128	14423	1.649	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	5746	2.110	ug/L	98

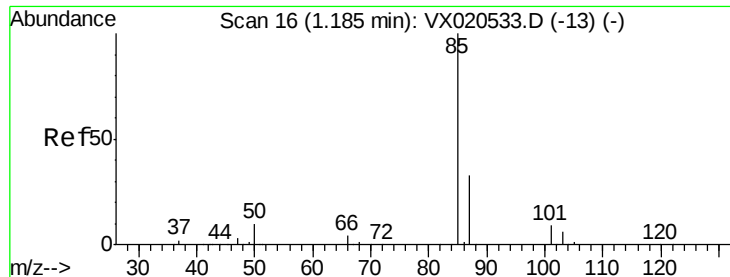
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.344 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

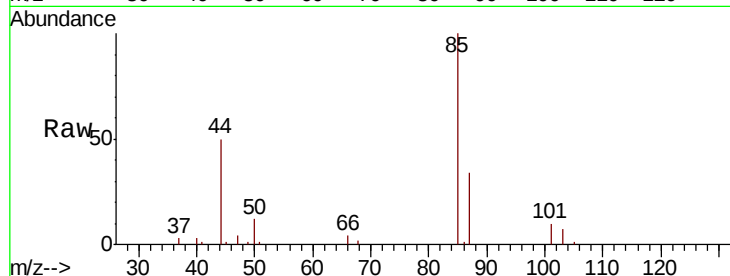
ClientSampleId :

Tot Ion: 85 Resp: 7233

Ion Ratio Lower Upper

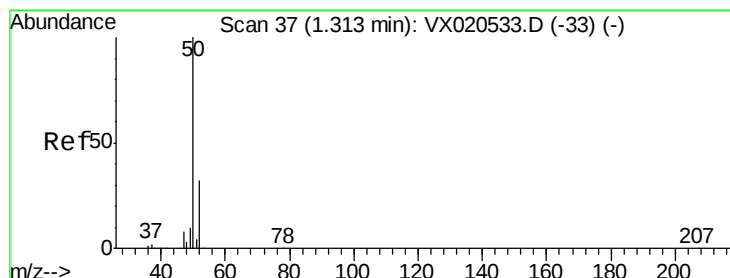
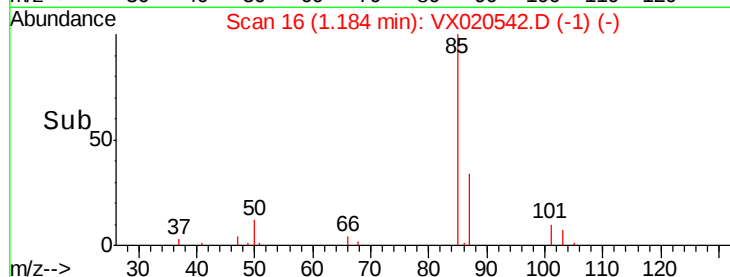
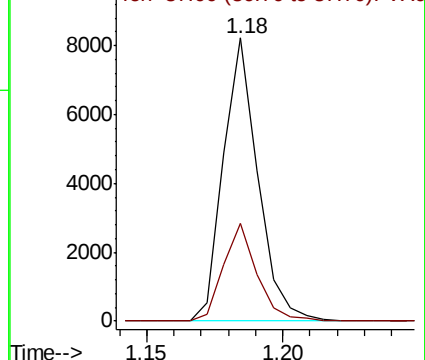
85 100

87 33.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 2.514 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX020542.D

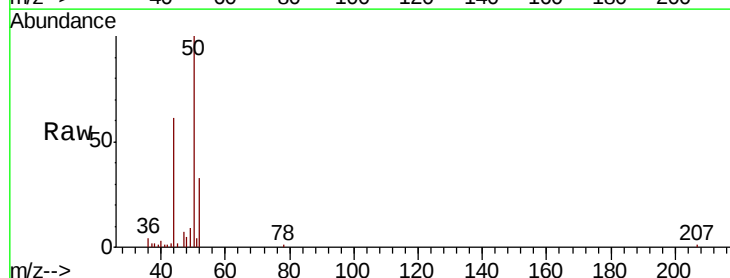
Acq: 08 Jan 2021 16:39

Tgt Ion: 50 Resp: 6982

Ion Ratio Lower Upper

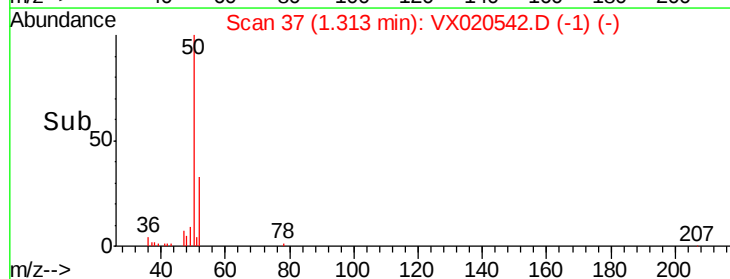
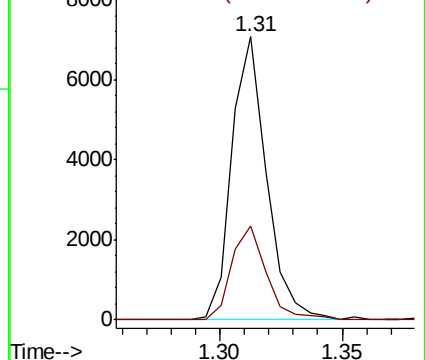
50 100

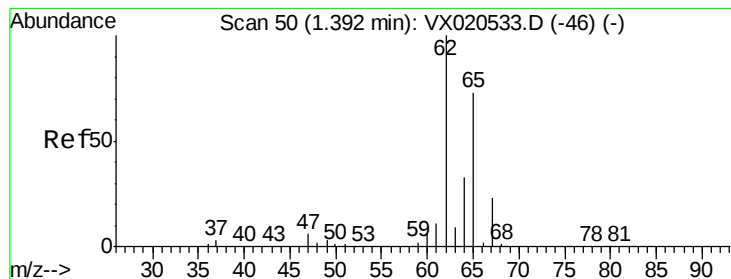
52 33.2 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.438 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

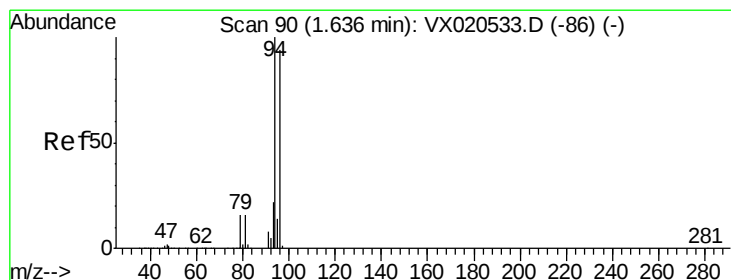
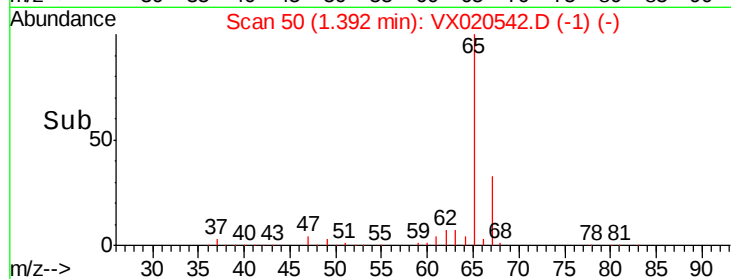
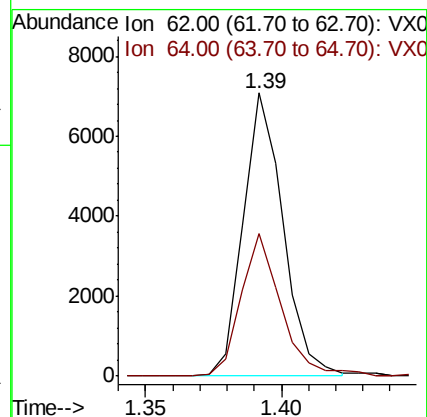
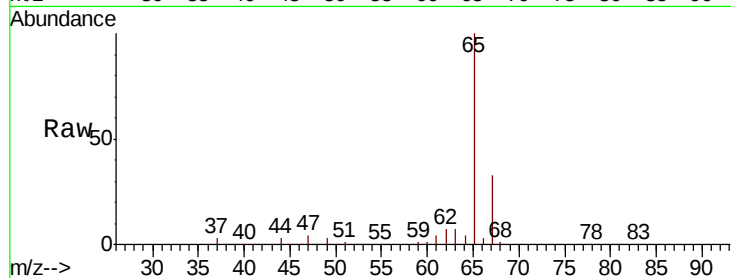
ClientSampled :

Tot Ion: 62 Resp: 7193

Ion Ratio Lower Upper

62 100

64 50.4 22.7 42.3#



#6

Bromomethane

Concen: 2.762 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX020542.D

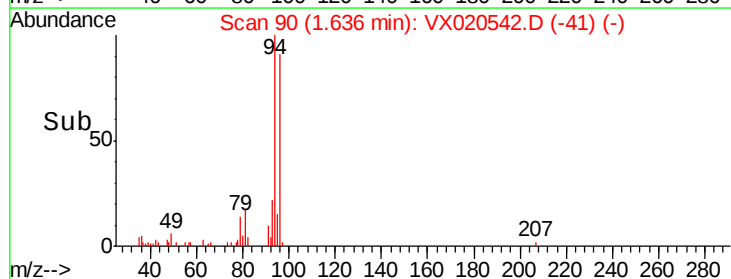
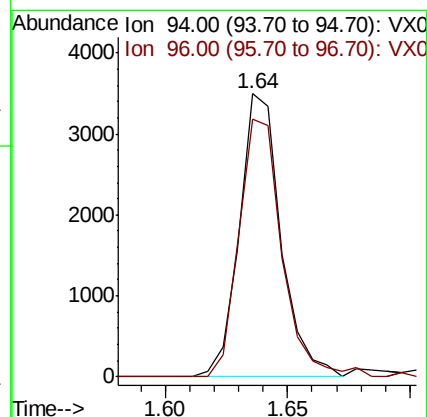
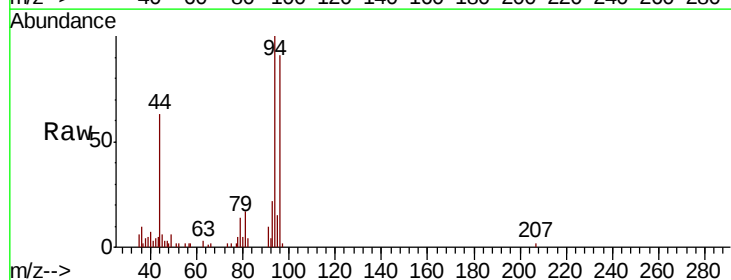
Acq: 08 Jan 2021 16:39

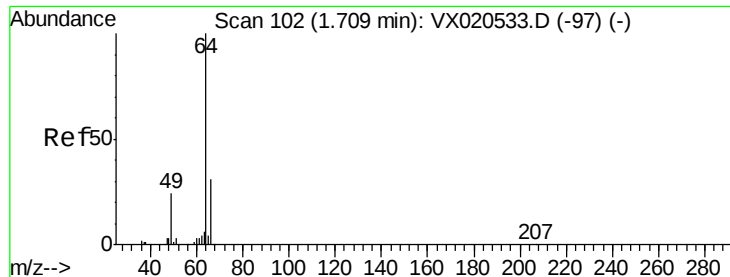
Tgt Ion: 94 Resp: 4121

Ion Ratio Lower Upper

94 100

96 90.9 64.8 120.3





#8

Chloroethane

Concen: 2.531 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

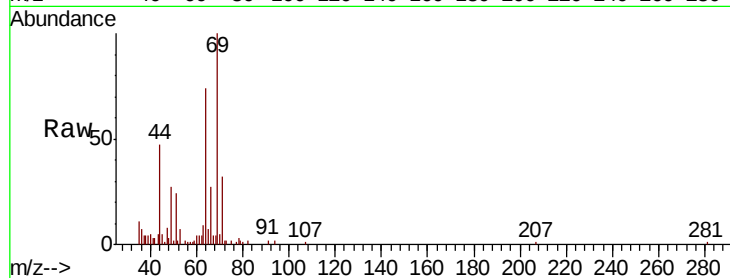
ClientSampled :

Tot Ion: 64 Resp: 4472

Ion Ratio Lower Upper

64 100

66 36.4 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.71

4000

3000

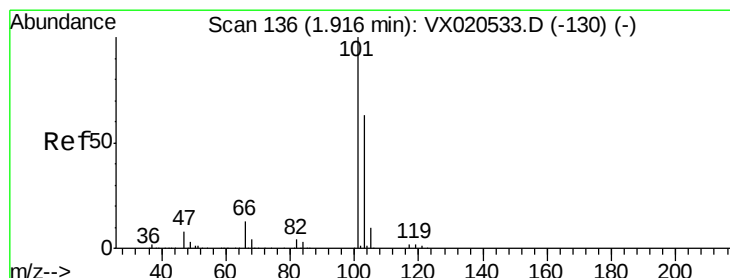
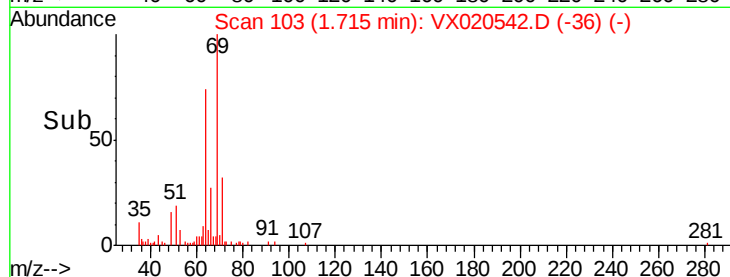
2000

1000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 2.402 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020542.D

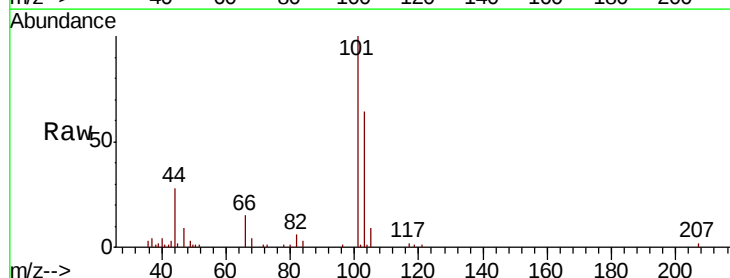
Acq: 08 Jan 2021 16:39

Tgt Ion: 101 Resp: 8924

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.92

6000

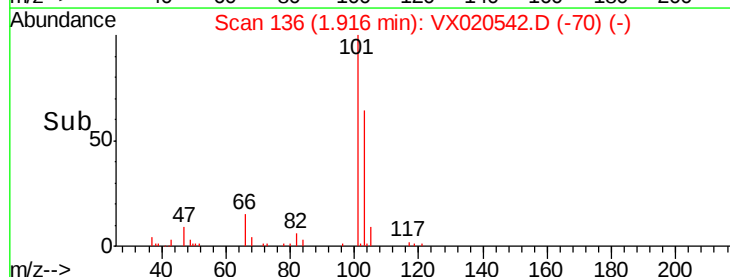
4000

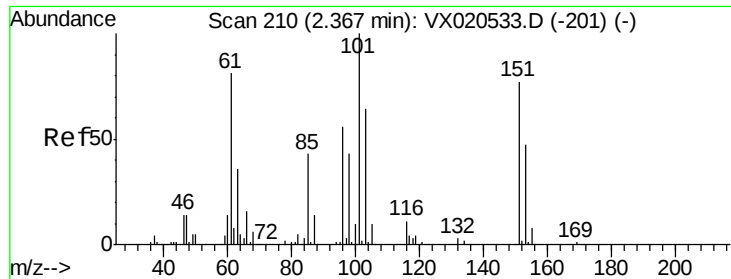
2000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 3.160 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

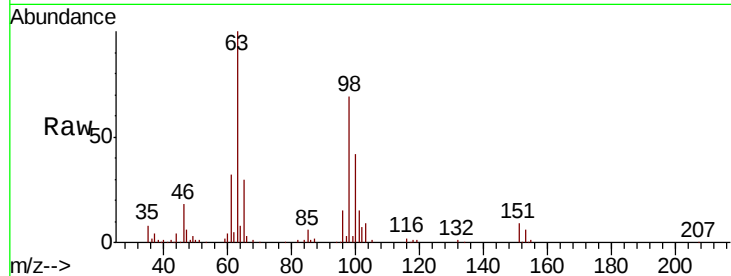
Tot Ion:101 Resp: 7298

Ion Ratio Lower Upper

101 100

85 33.5 34.3 51.5#

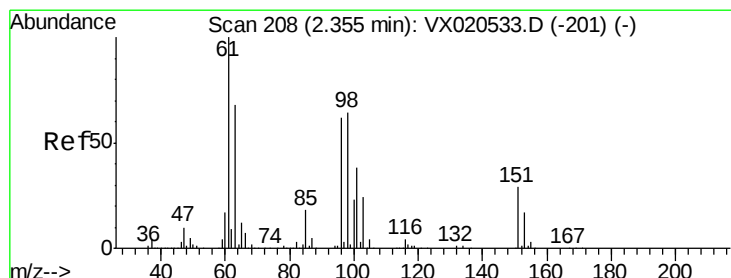
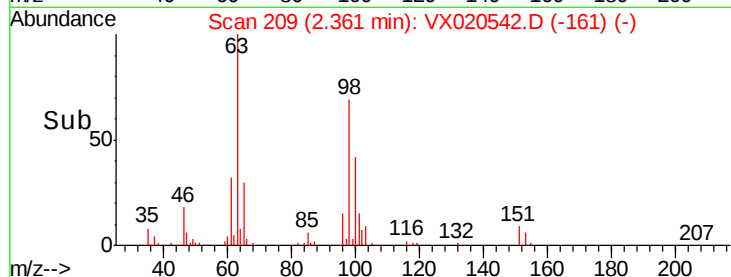
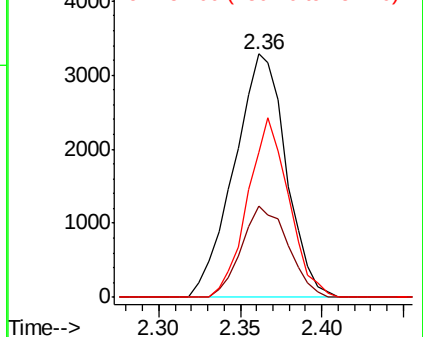
151 58.5 60.7 91.1#



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: 2.970 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

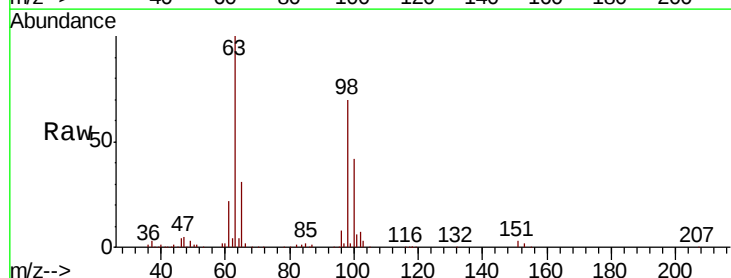
Tgt Ion: 96 Resp: 6706

Ion Ratio Lower Upper

96 100

61 278.9 115.5 214.5#

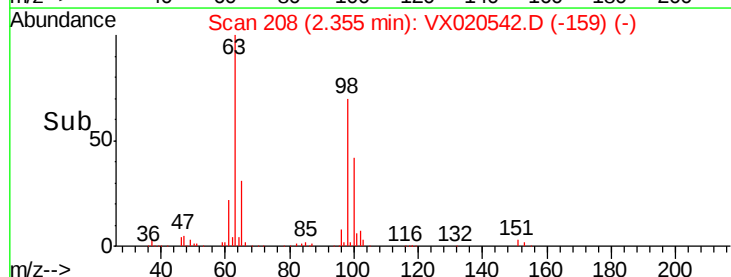
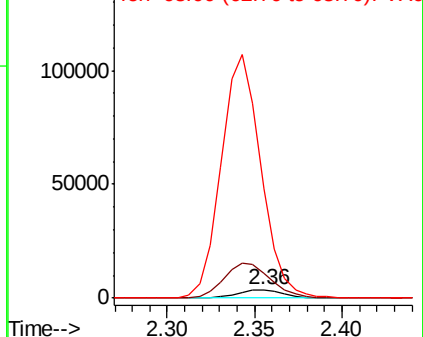
63 1262.9 77.3 143.7#

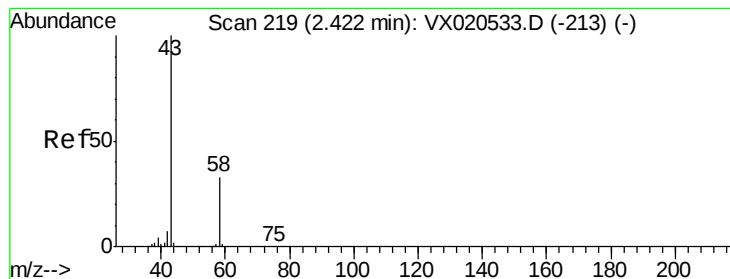


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 4.799 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

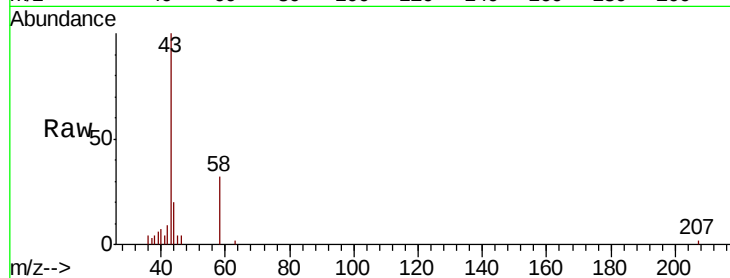
ClientSampleId :

Tot Ion: 43 Resp: 6136

Ion Ratio Lower Upper

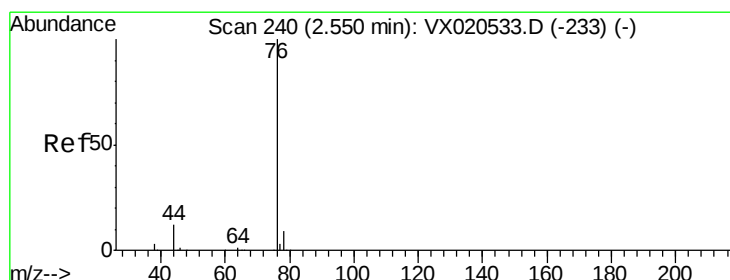
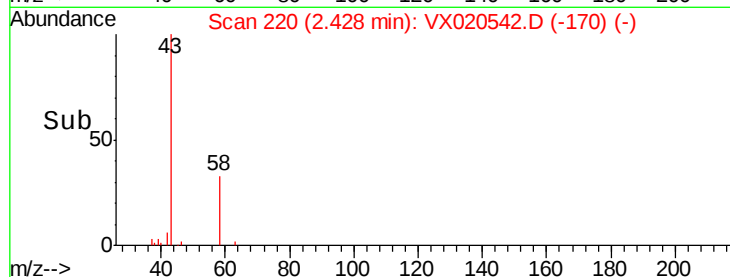
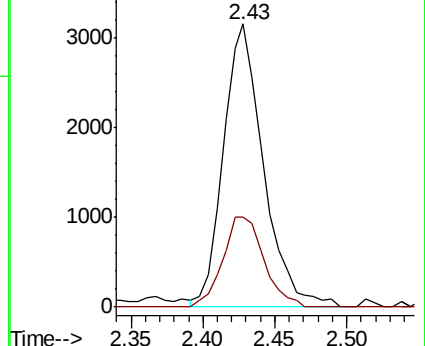
43 100

58 32.8 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 2.141 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020542.D

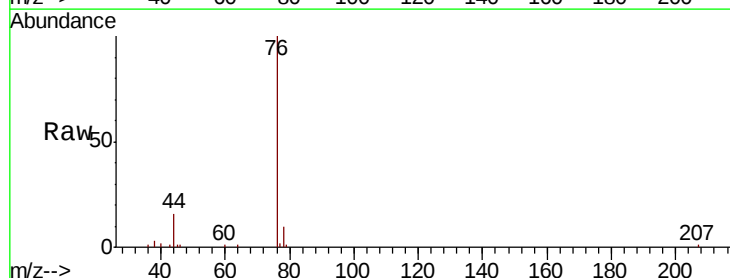
Acq: 08 Jan 2021 16:39

Tgt Ion: 76 Resp: 15516

Ion Ratio Lower Upper

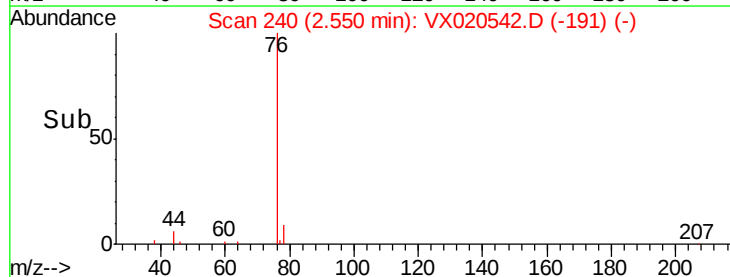
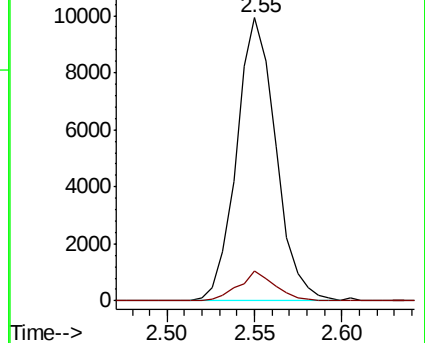
76 100

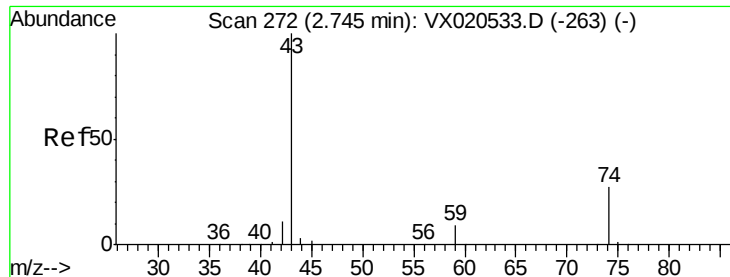
78 10.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

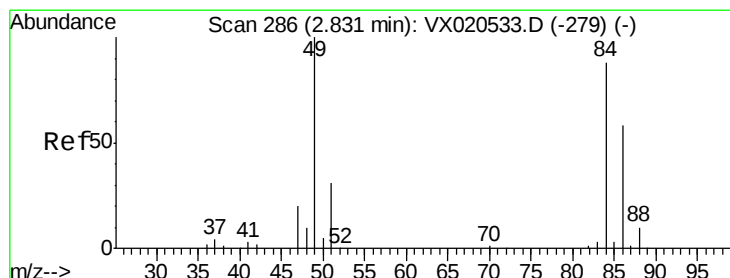
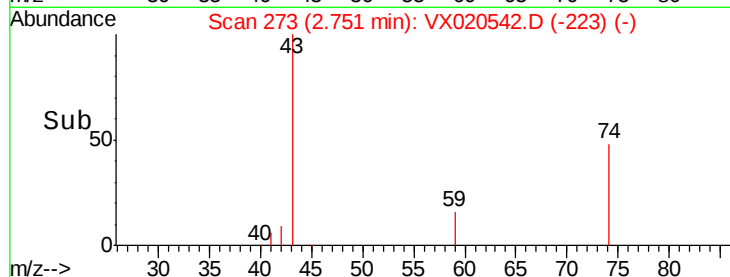
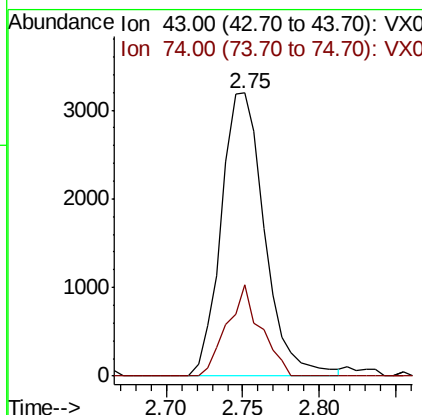
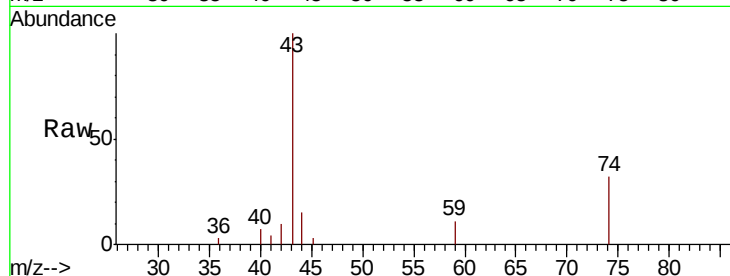




#15
Methvl Acetate
Concen: 2.472 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

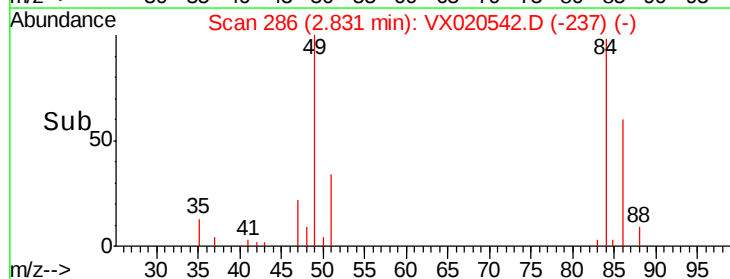
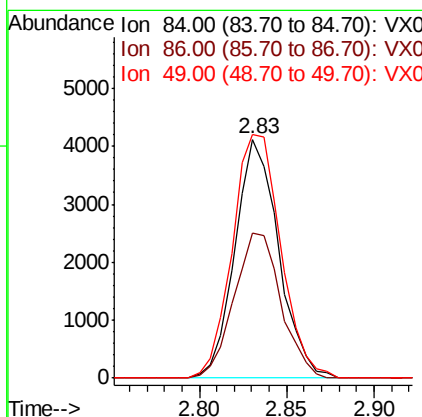
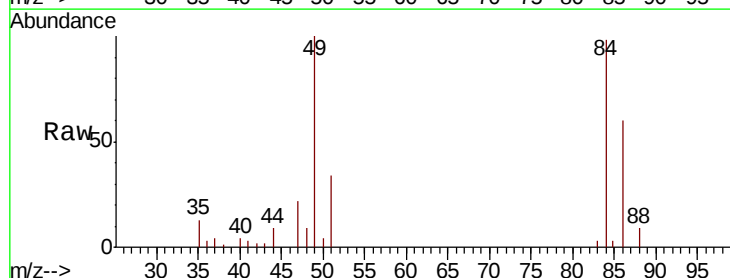
Instrument :
MSVOA_X
ClientSampleId :

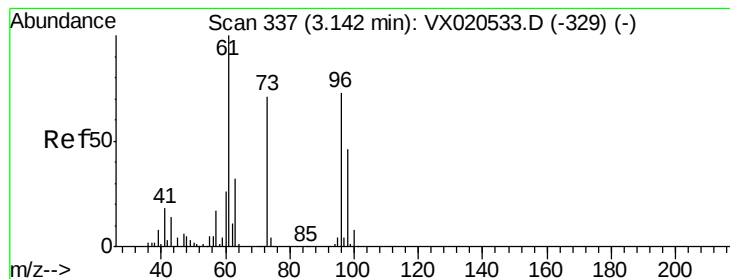
Tot Ion: 43 Resp: 6295
Ion Ratio Lower Upper
43 100
74 25.2 21.7 32.5



#16
Methylene chloride
Concen: 2.658 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Tgt Ion: 84 Resp: 7177
Ion Ratio Lower Upper
84 100
86 60.7 44.2 82.0
49 101.8 77.8 144.6





#17

trans-1,2-Dichloroethene

Concen: 2.410 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampled :

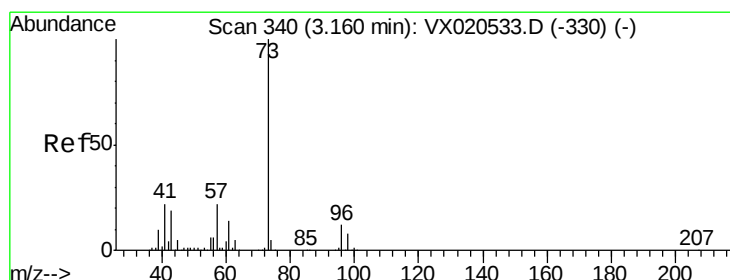
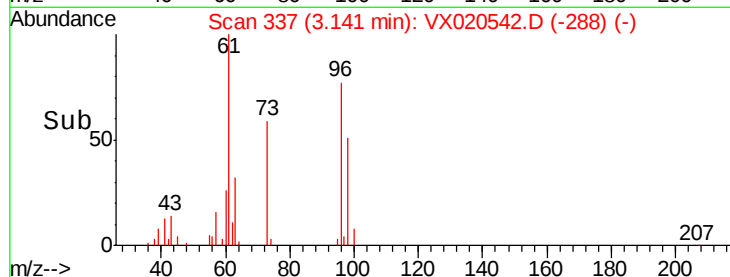
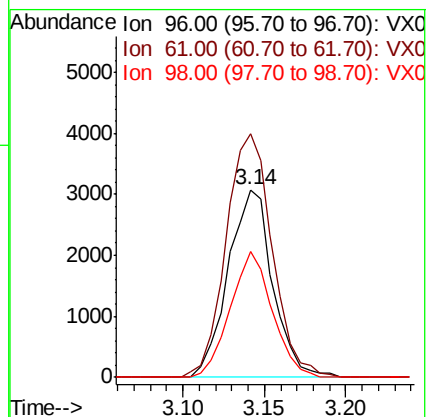
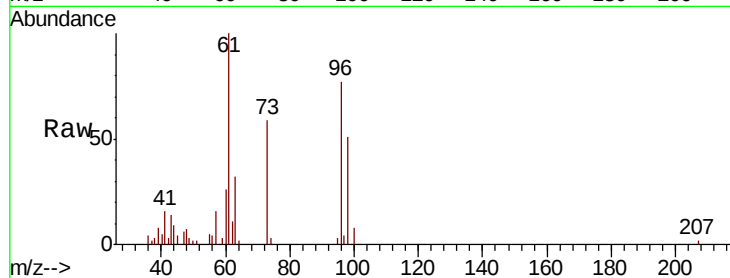
Tot Ion: 96 Resp: 5858

Ion Ratio Lower Upper

96 100

61 129.9 92.3 171.3

98 66.8 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 2.314 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

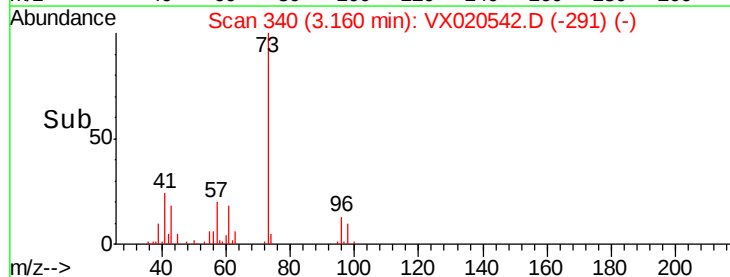
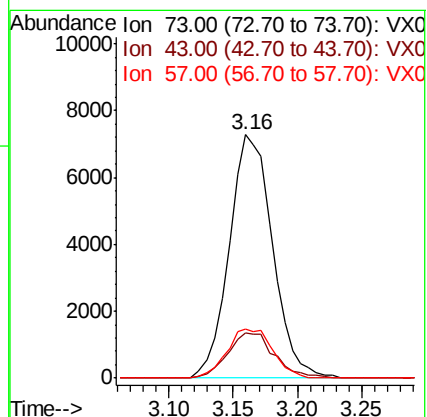
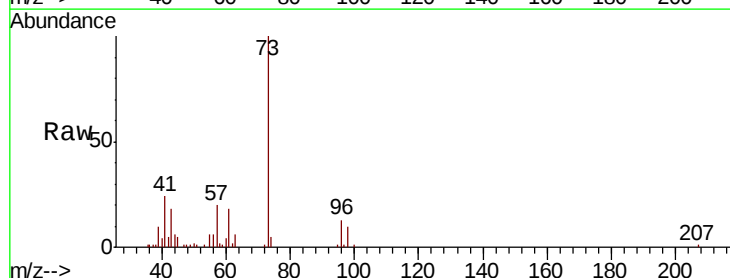
Tgt Ion: 73 Resp: 16993

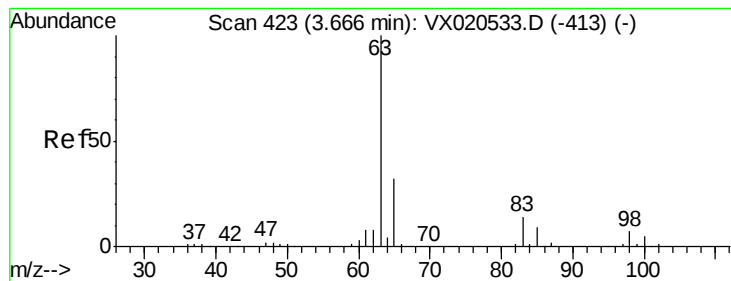
Ion Ratio Lower Upper

73 100

43 20.2 15.1 22.7

57 13.6 17.4 26.2#





#19

1,1-Dichloroethane

Concen: 2.412 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

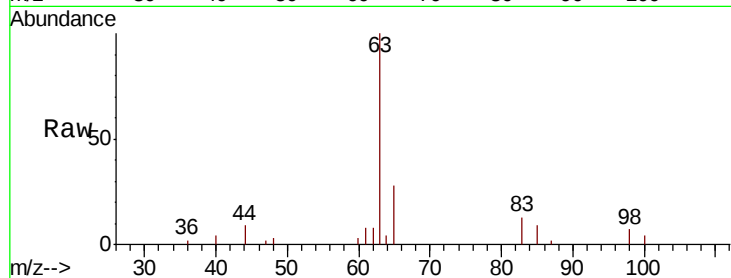
Tot Ion: 63 Resp: 10606

Ion Ratio Lower Upper

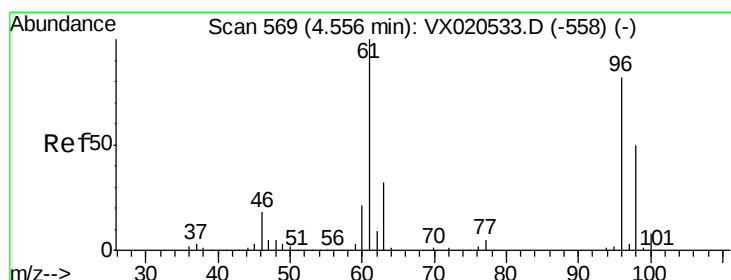
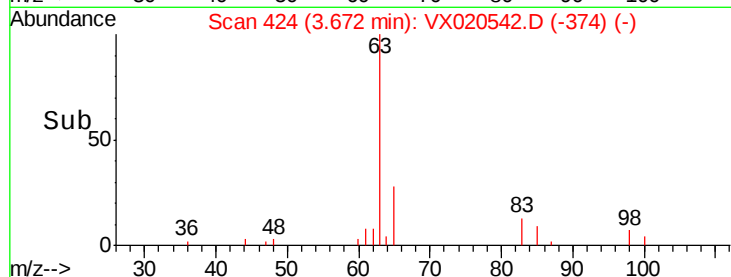
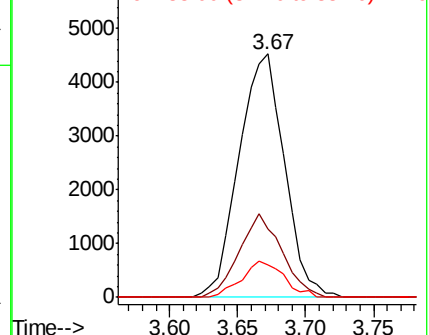
63 100

65 28.1 22.4 41.6

83 13.4 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0
Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 2.275 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

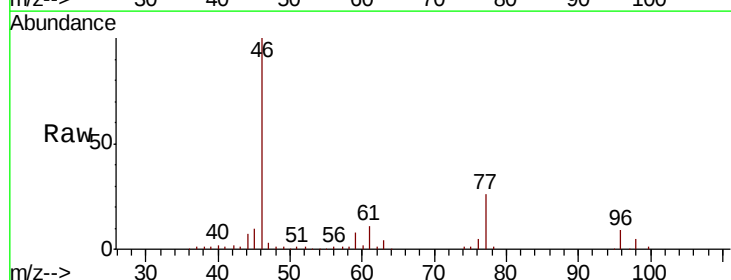
Tgt Ion: 96 Resp: 6047

Ion Ratio Lower Upper

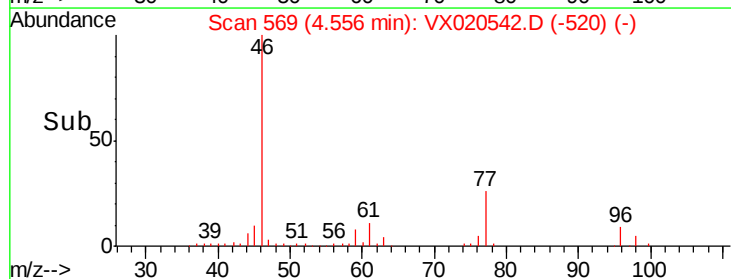
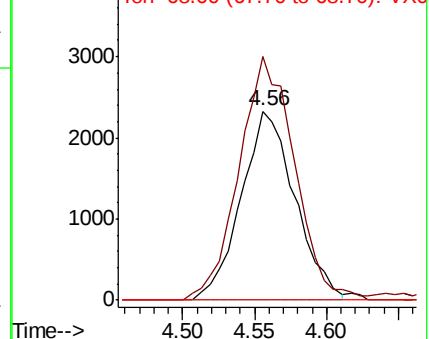
96 100

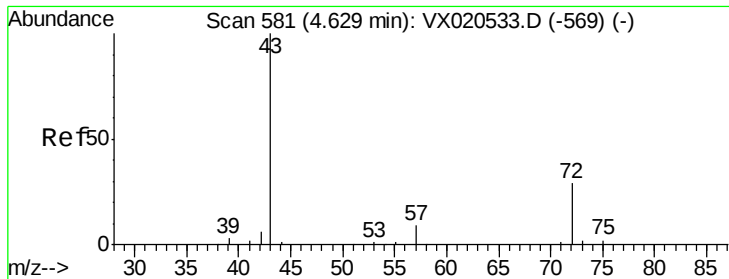
61 128.7 87.8 163.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 4.494 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

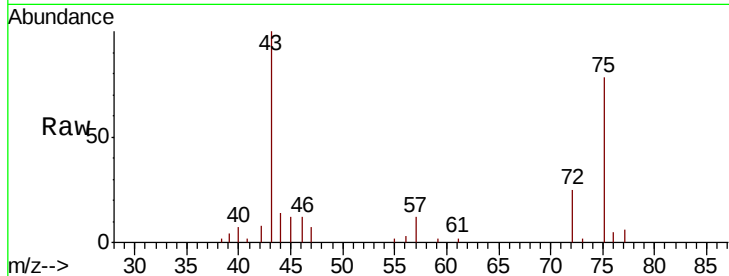
ClientSampleId :

Tot Ion: 43 Resp: 8493

Ion Ratio Lower Upper

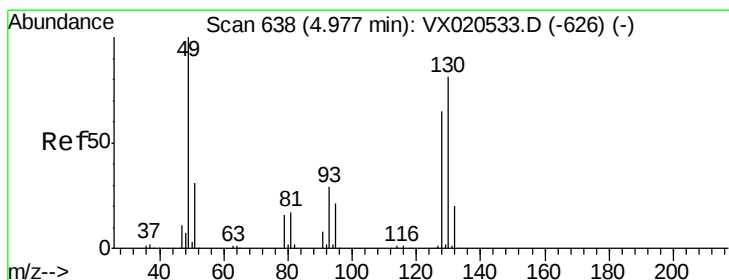
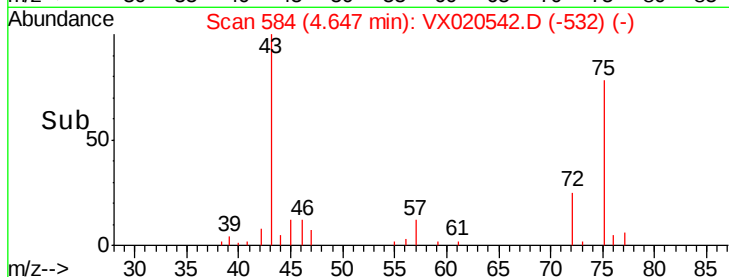
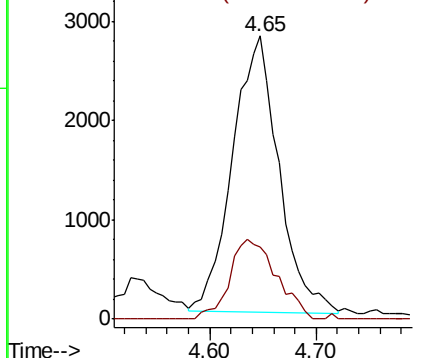
43 100

72 29.2 15.3 45.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 2.431 ug/L

RT: 4.97 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Tgt Ion:128 Resp: 3341

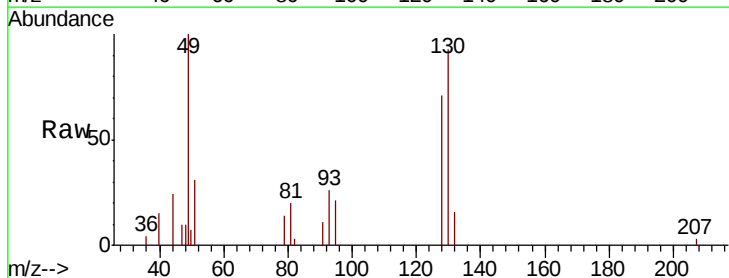
Ion Ratio Lower Upper

128 100

49 141.7 107.5 199.7

130 131.7 91.1 169.3

51 43.9 40.3 60.5

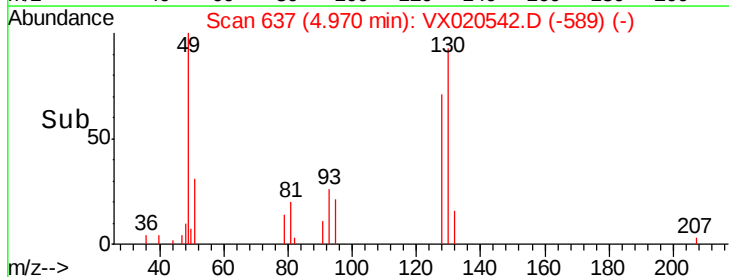
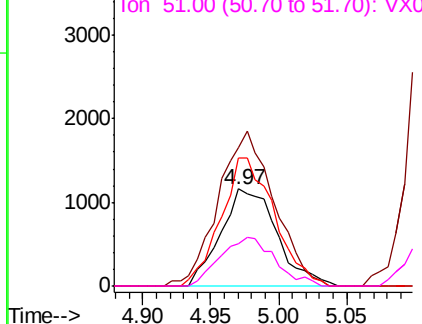


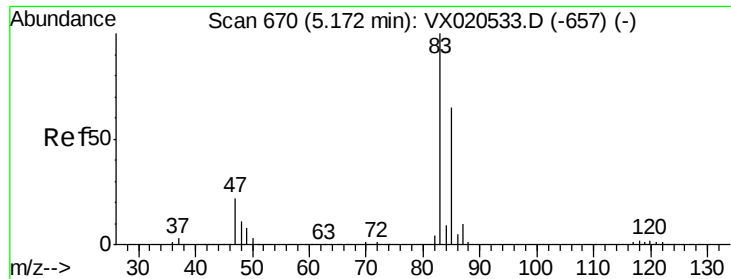
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0

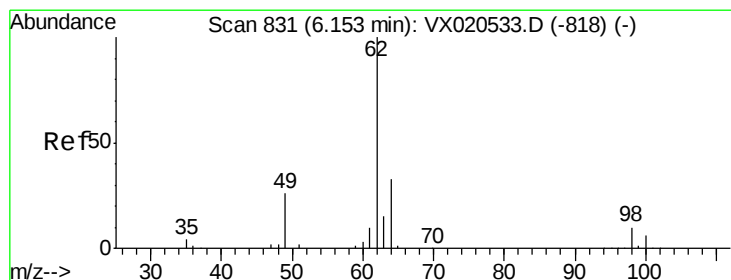
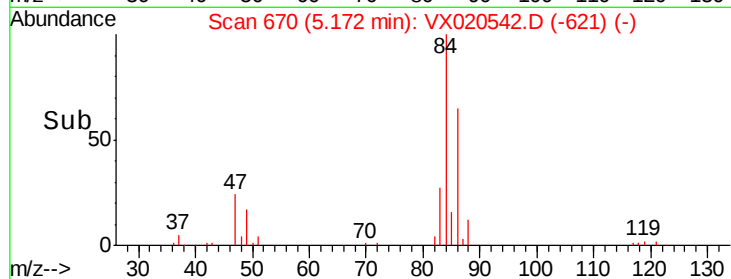
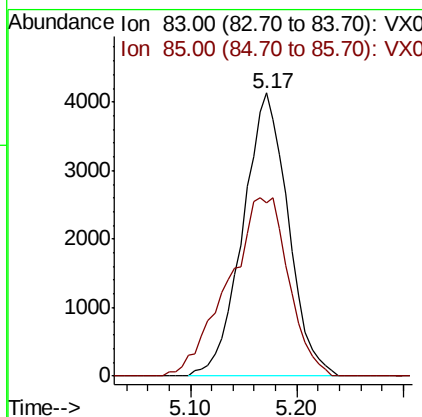
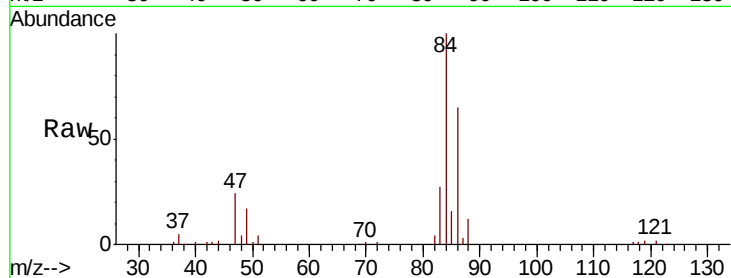




#25
Chloroform
Concen: 2.565 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

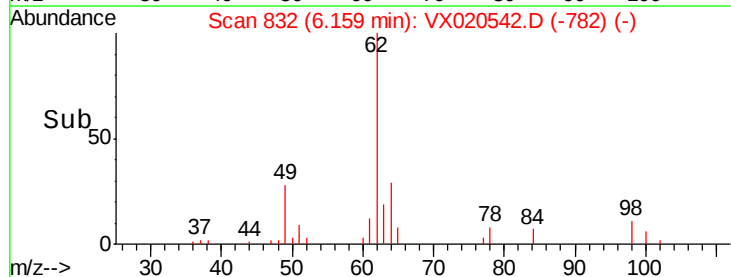
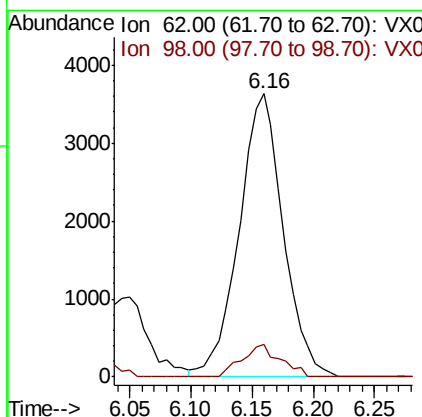
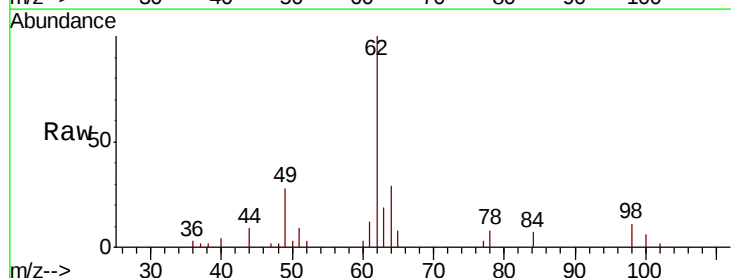
Instrument :
MSVOA_X
ClientSampleId :

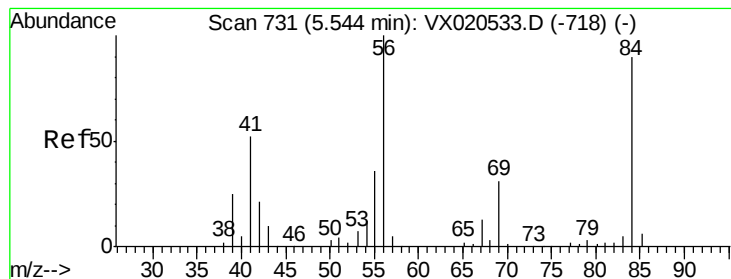
Tot Ion: 83 Resp: 12312
Ion Ratio Lower Upper
83 100
85 61.2 46.3 85.9



#27
1,2-Dichloroethane
Concen: 2.574 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Tgt Ion: 62 Resp: 9110
Ion Ratio Lower Upper
62 100
98 11.5 7.9 11.9





#29

Cyclohexane

Concen: 1.173 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampled :

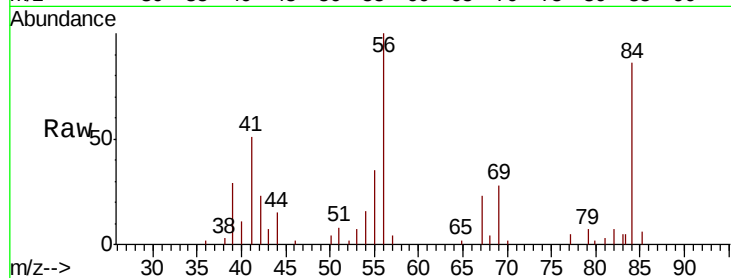
Tot Ion: 56 Resp: 4519

Ion Ratio Lower Upper

56 100

69 55.1 25.7 38.5#

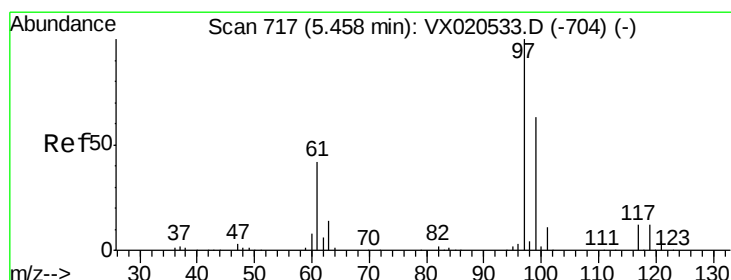
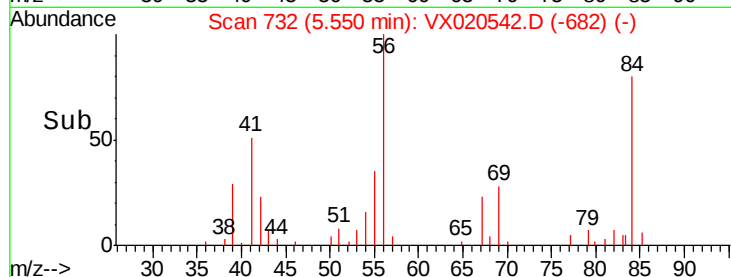
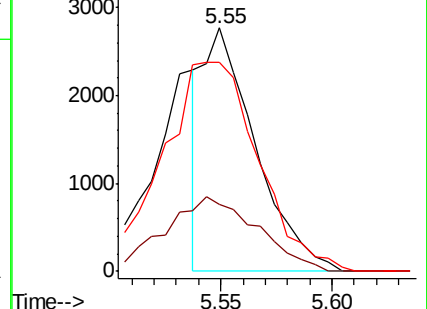
84 159.7 72.4 108.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#30

1,1,1-Trichloroethane

Concen: 2.221 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

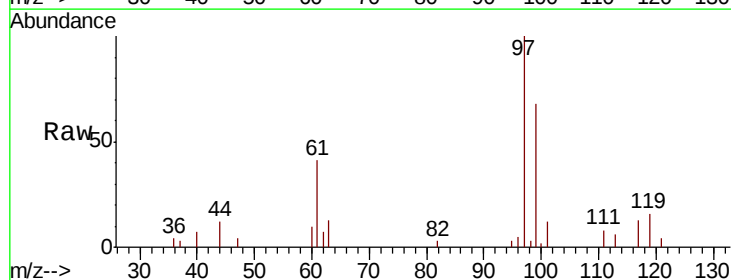
Tgt Ion: 97 Resp: 8873

Ion Ratio Lower Upper

97 100

99 66.7 52.1 78.1

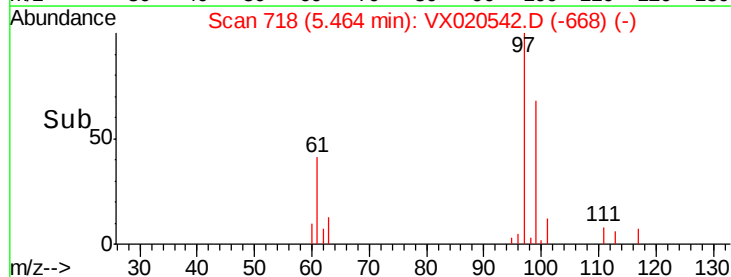
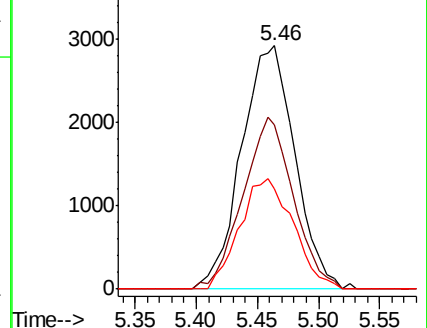
61 45.6 35.3 52.9

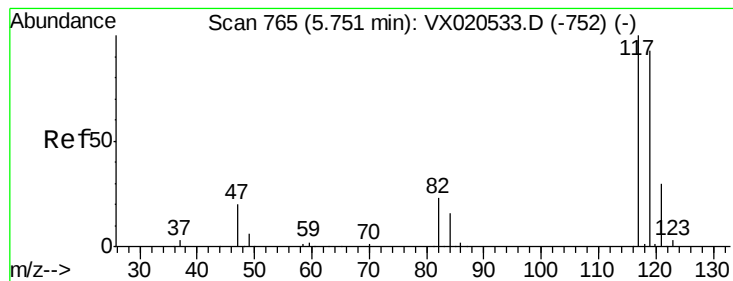


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.05 (60.75 to 61.75): VX0





#31

Carbon tetrachloride

Concen: 2.300 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

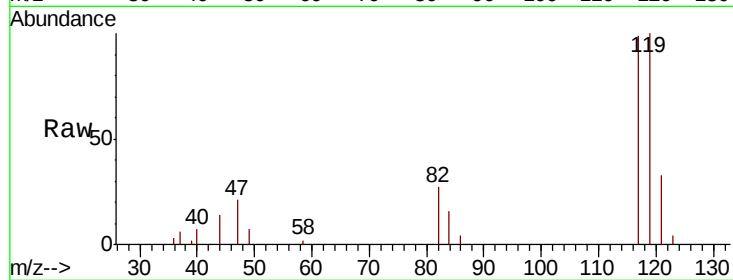
ClientSampled :

Tot Ion:117 Resp: 7769

Ion Ratio Lower Upper

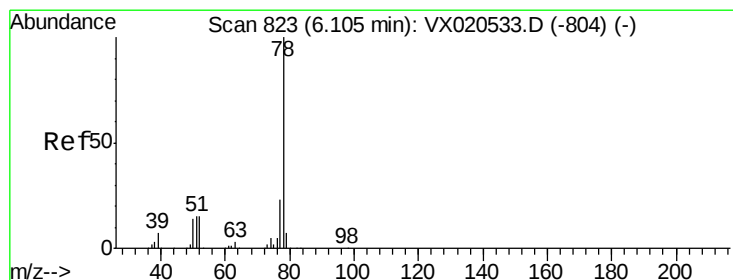
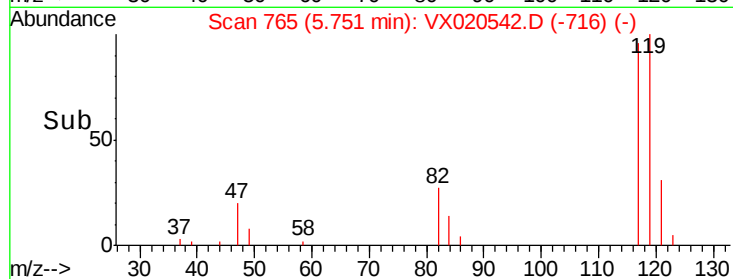
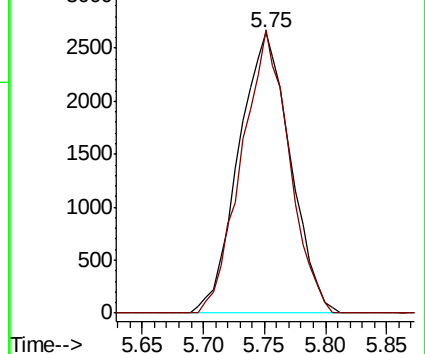
117 100

119 92.9 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.301 ug/L

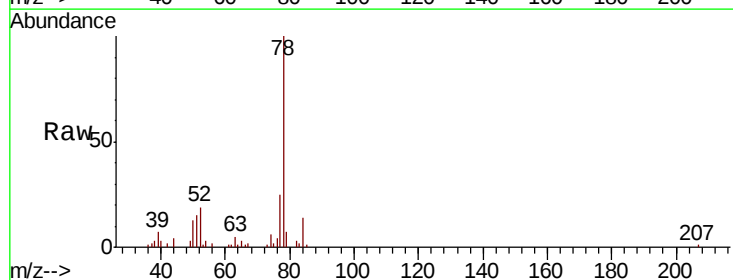
RT: 6.10 min Scan# 823

Delta R.T. -0.00 min

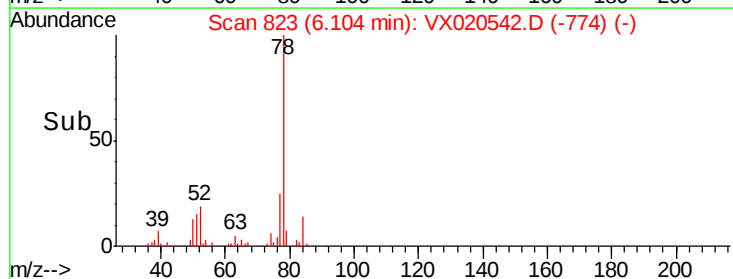
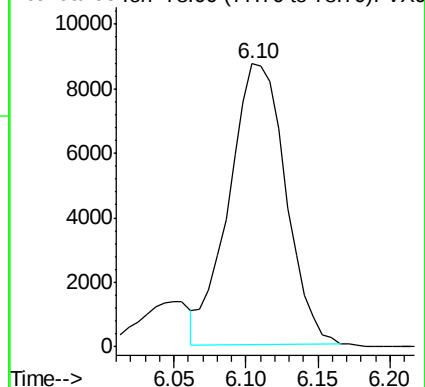
Lab File: VX020542.D

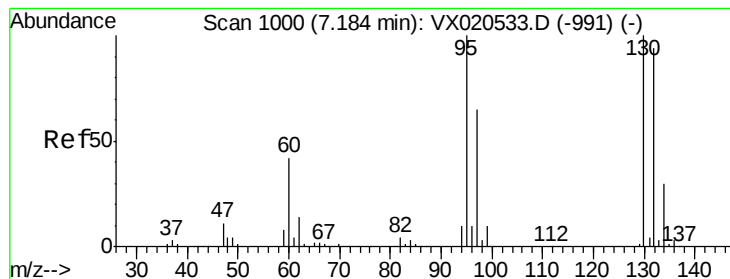
Acq: 08 Jan 2021 16:39

Tgt Ion: 78 Resp: 23770



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 2.362 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 6214

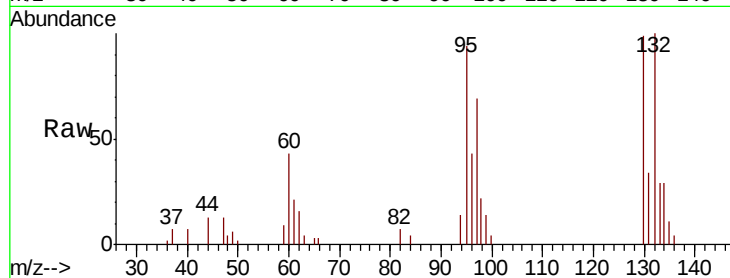
Ion Ratio Lower Upper

95 100

97 73.4 44.5 82.7

132 106.8 65.2 121.0

130 105.7 67.7 125.7

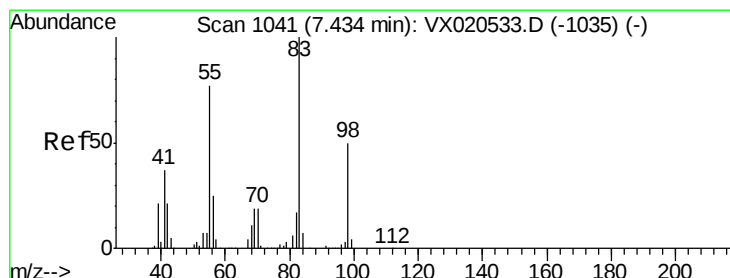
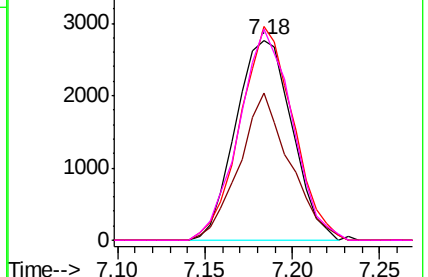
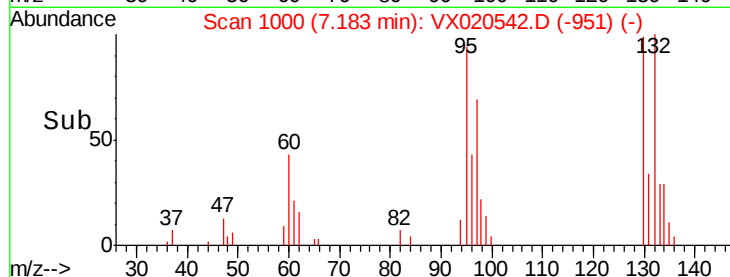


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 2.030 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

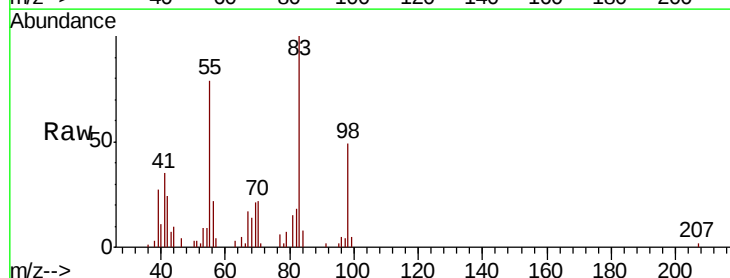
Tgt Ion: 83 Resp: 8029

Ion Ratio Lower Upper

83 100

55 80.0 61.2 91.8

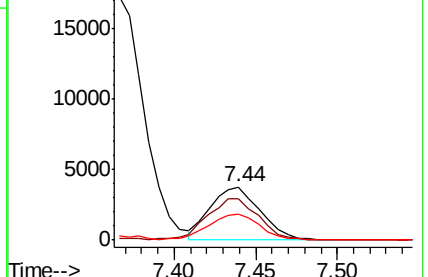
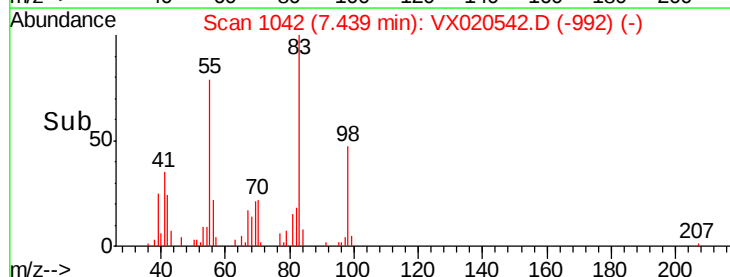
98 50.3 38.7 58.1

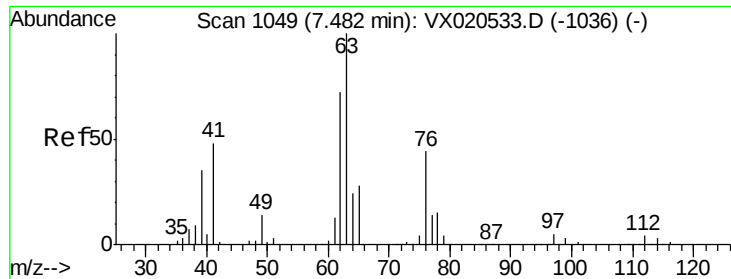


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

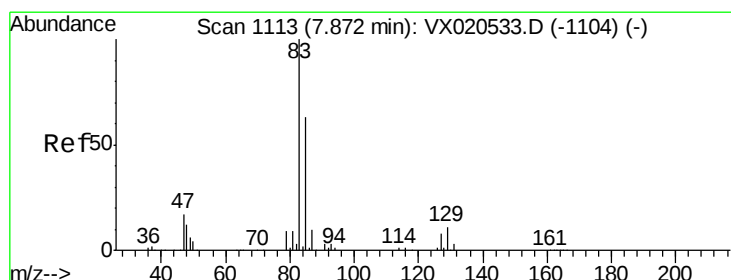
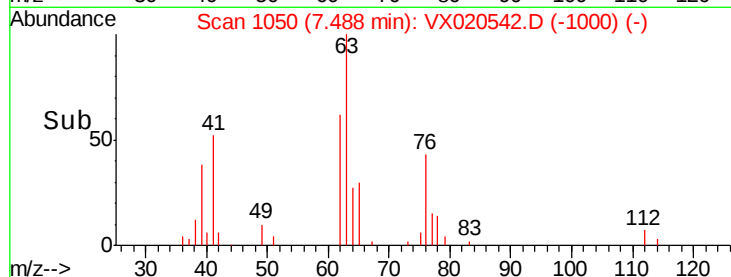
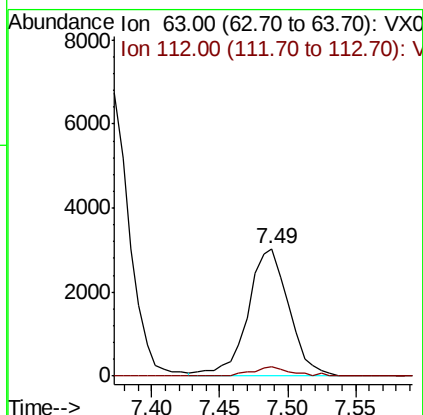
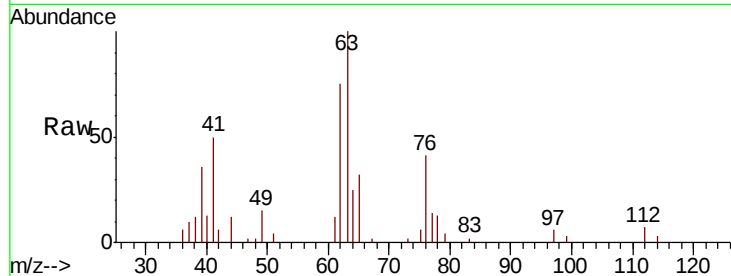




#37
 1,2-Dichloropropane
 Concen: 2.442 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

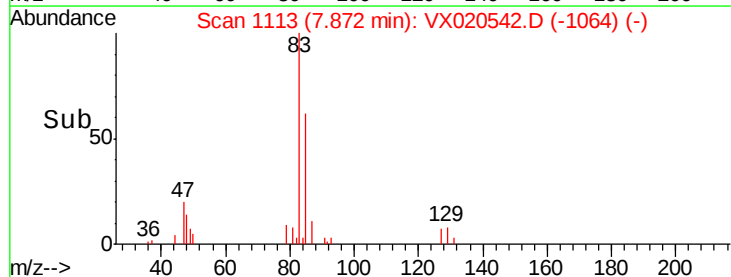
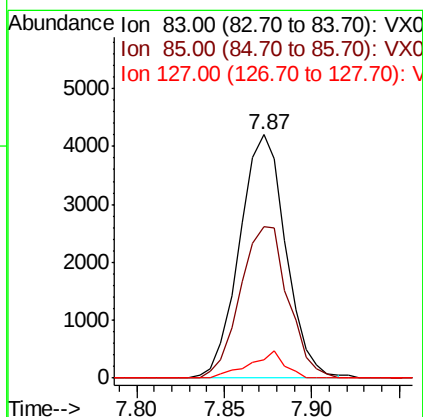
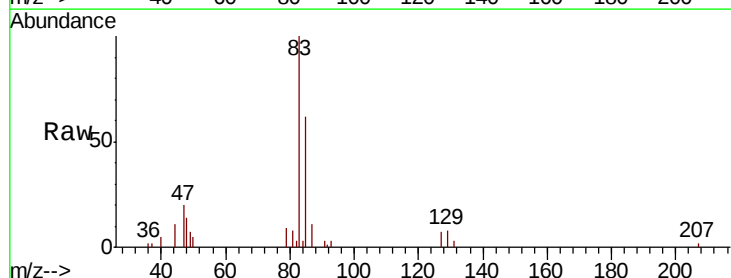
Instrument :
 MSVOA_X
 ClientSampled :

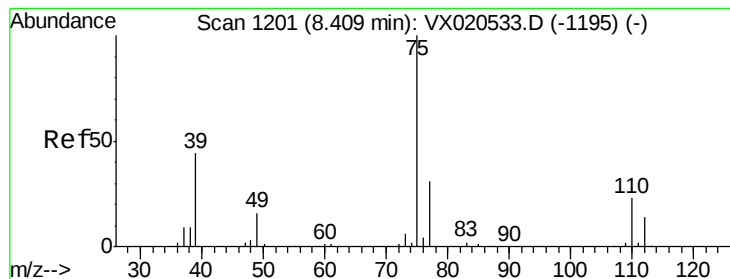
Tot Ion: 63 Resp: 6400
 Ion Ratio Lower Upper
 63 100
 112 6.2 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 2.294 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

Tgt Ion: 83 Resp: 7719
 Ion Ratio Lower Upper
 83 100
 85 62.4 45.1 83.7
 127 7.4 6.6 10.0



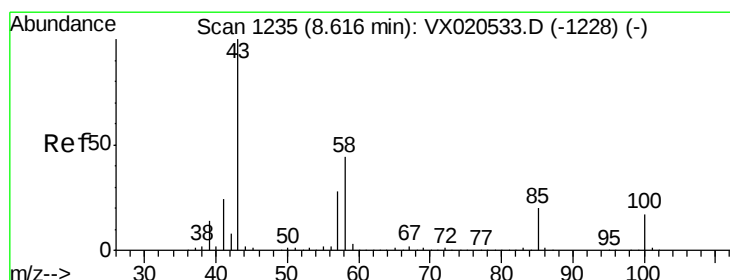
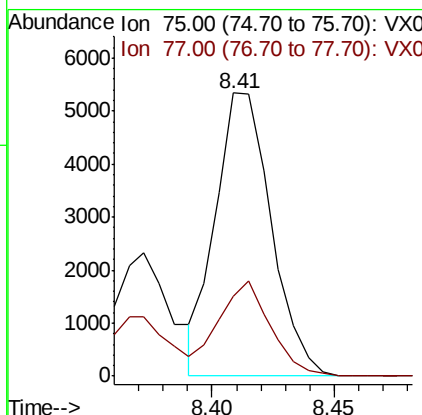
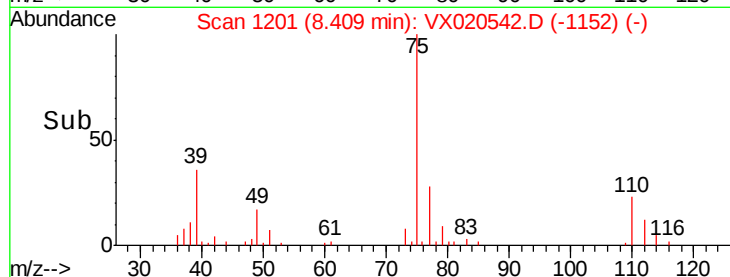
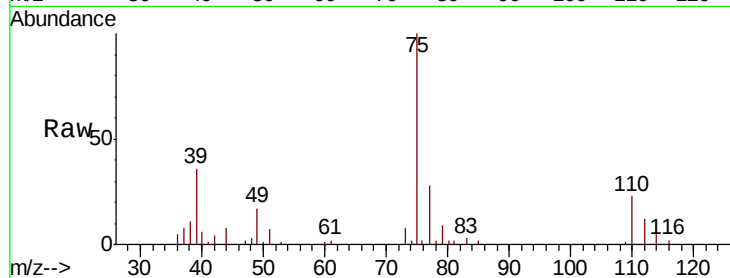


#39

cis-1,3-Dichloropropene
Concen: 2.148 ug/L
RT: 8.41 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Instrument :
MSVOA_X
ClientSampled :

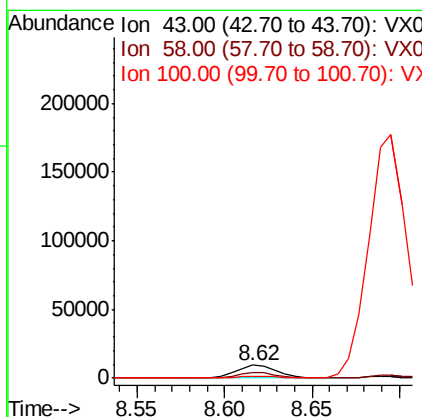
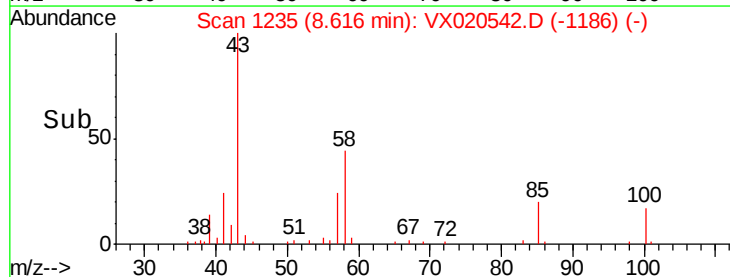
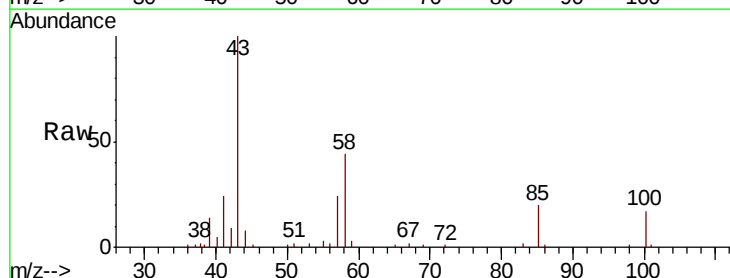
Tot Ion: 75 Resp: 8466
Ion Ratio Lower Upper
75 100
77 28.1 22.7 42.3

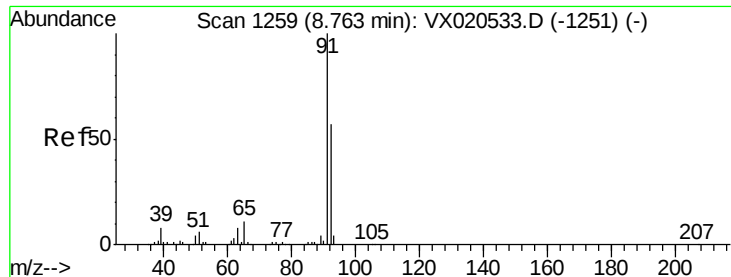


#40

4-Methyl-2-pentanone
Concen: 4.341 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Tgt Ion: 43 Resp: 14945
Ion Ratio Lower Upper
43 100
58 42.1 35.0 52.4
100 17.3 14.2 21.4





#42

Toluene

Concen: 2.313 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

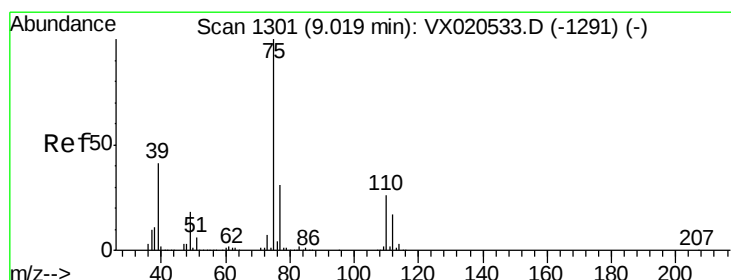
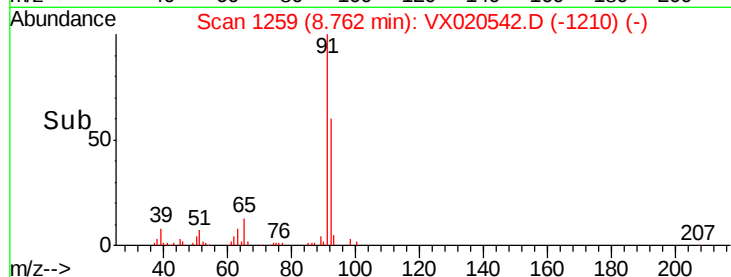
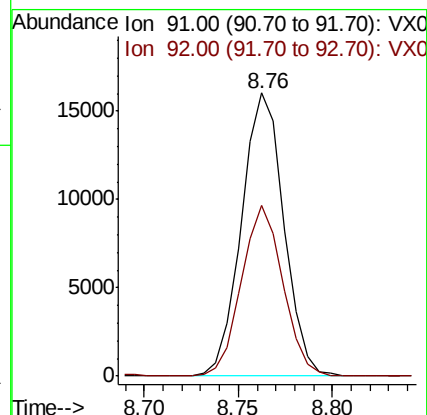
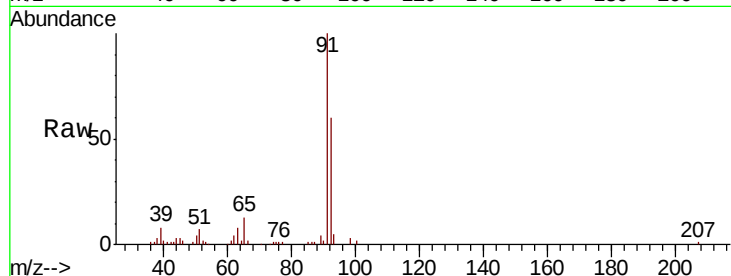
ClientSampleId :

Tot Ion: 91 Resp: 25028

Ion Ratio Lower Upper

91 100

92 60.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 2.238 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX020542.D

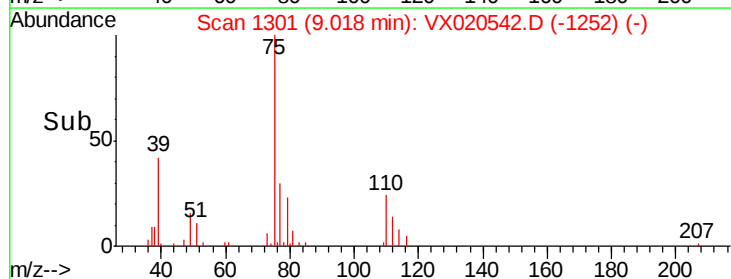
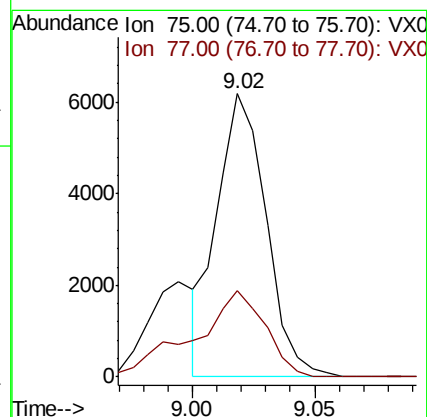
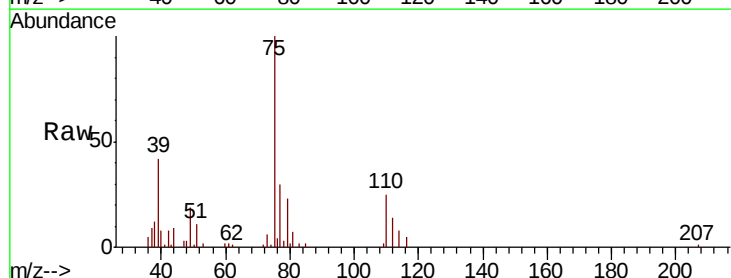
Acq: 08 Jan 2021 16:39

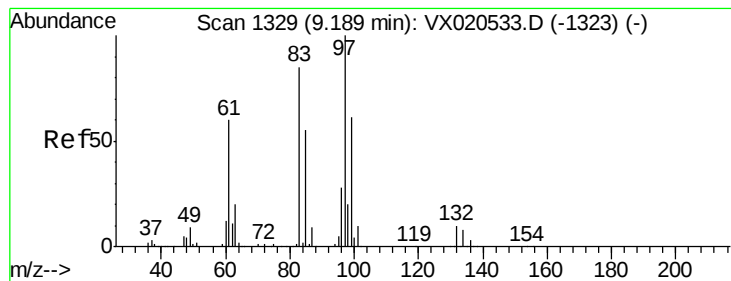
Tgt Ion: 75 Resp: 8610

Ion Ratio Lower Upper

75 100

77 30.4 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 2.364 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 6130

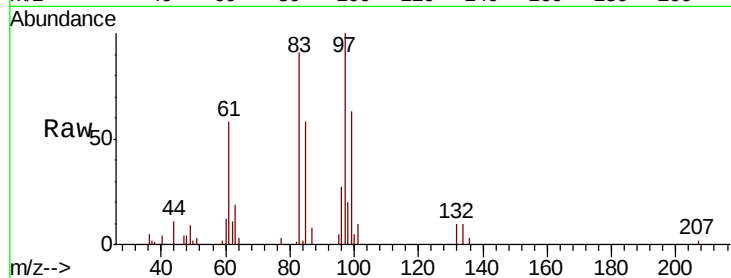
Ion Ratio Lower Upper

97 100

99 62.9 44.0 81.6

83 90.8 60.8 113.0

85 58.0 39.4 73.2



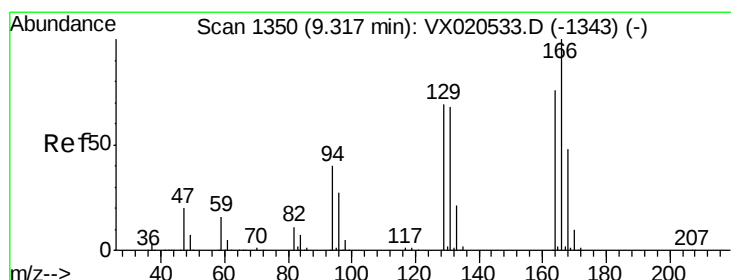
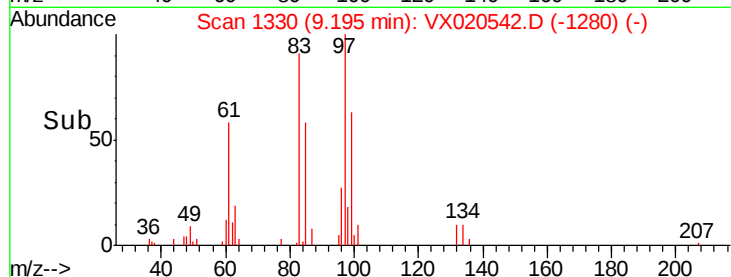
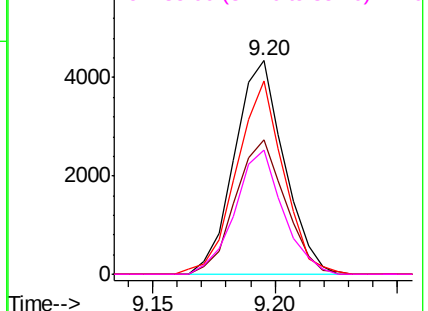
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46

Tetrachloroethene

Concen: 2.226 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Tgt Ion: 164 Resp: 4539

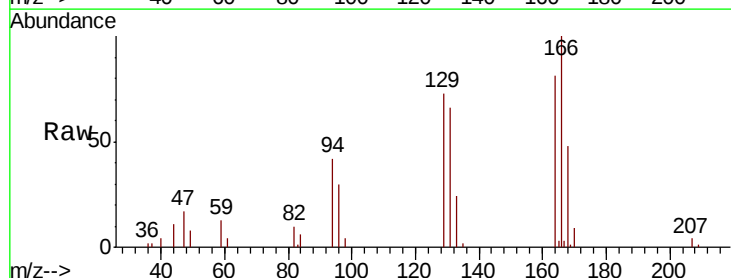
Ion Ratio Lower Upper

164 100

129 89.1 65.6 121.8

131 81.0 63.7 118.3

166 122.9 93.0 172.6



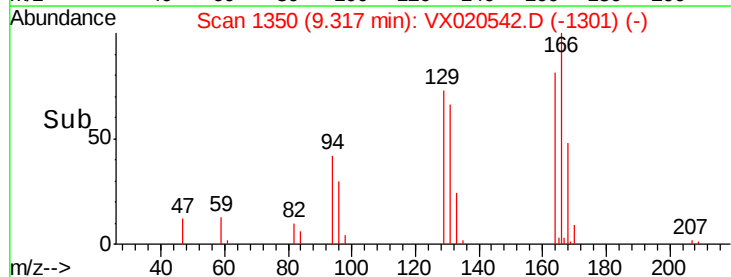
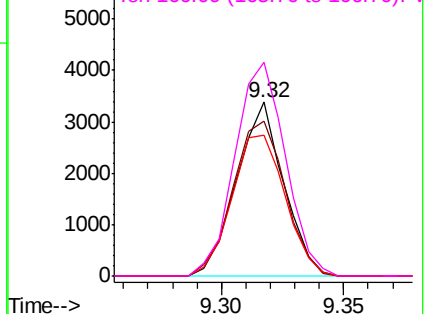
Abundance

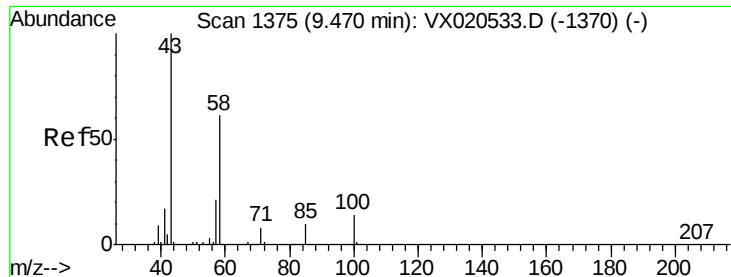
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

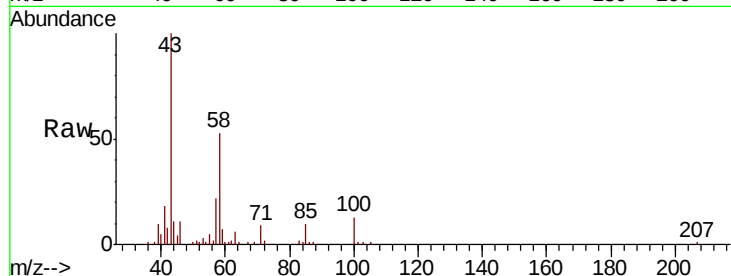




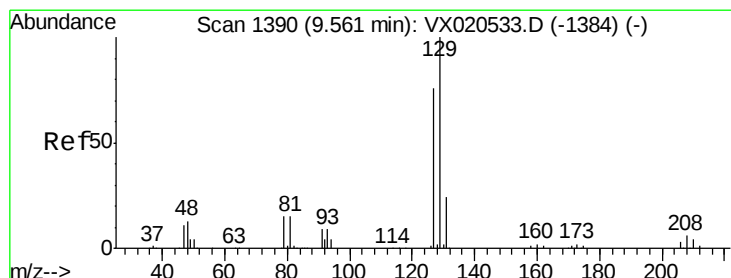
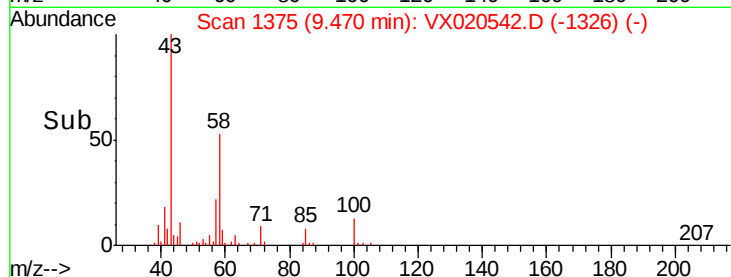
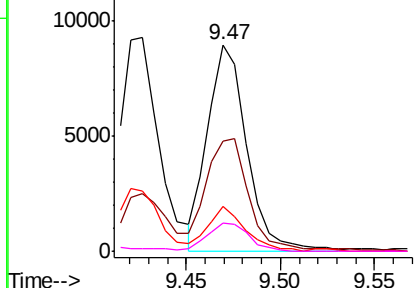
#48
2-Hexanone
Concen: 4.789 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	50.1	75.1
57	20.4	17.3	25.9
100	14.2	11.4	17.2

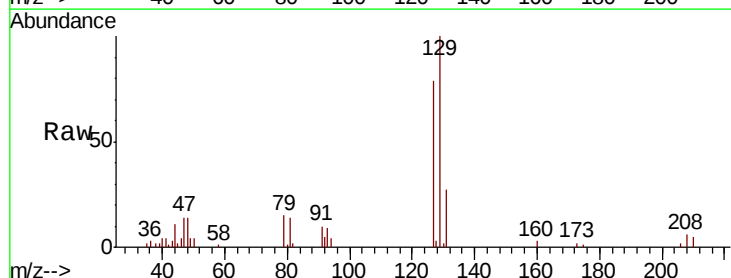


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

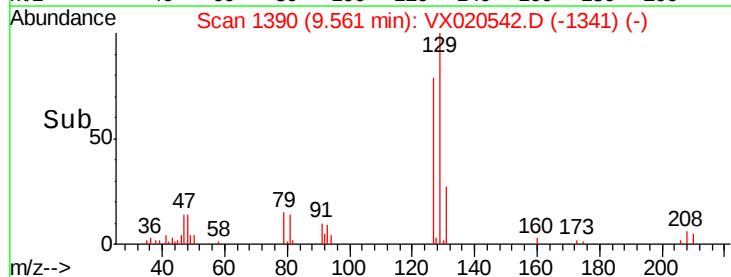
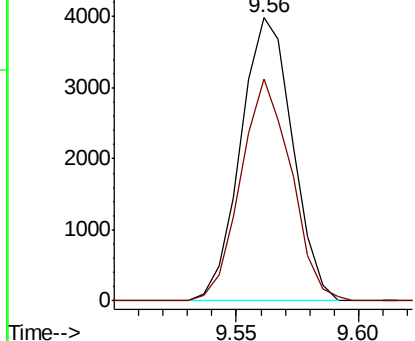


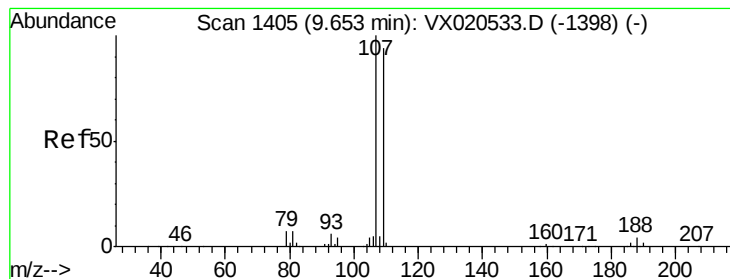
#49
Dibromochloromethane
Concen: 2.220 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	52.5	97.5



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





#50

1,2-Dibromoethane

Concen: 2.338 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

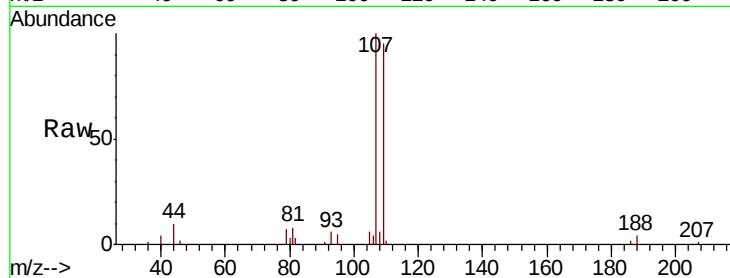
Tot Ion:107 Resp: 6281

Ion Ratio Lower Upper

107 100

109 94.8 66.4 123.4

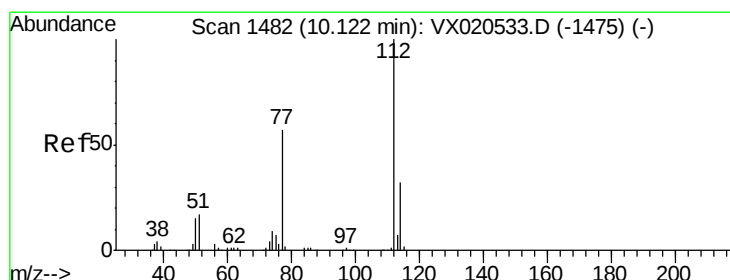
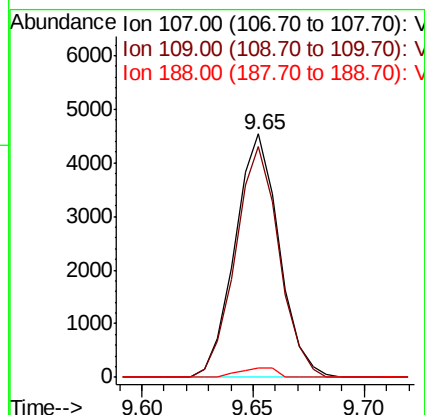
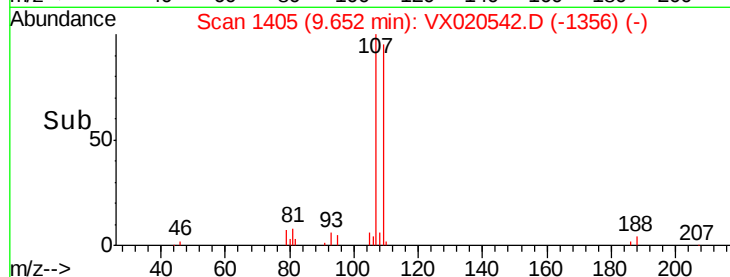
188 4.1 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 2.351 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

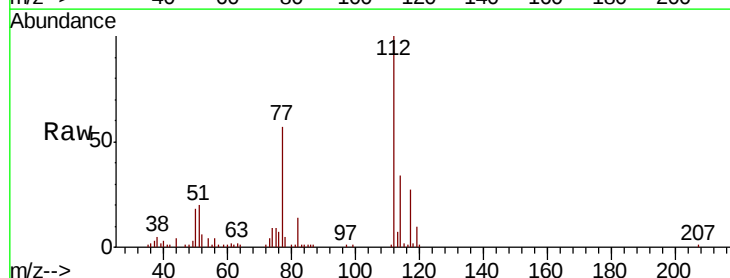
Tgt Ion:112 Resp: 16105

Ion Ratio Lower Upper

112 100

114 34.0 23.2 43.2

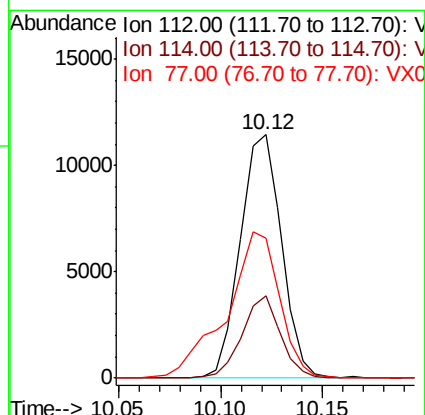
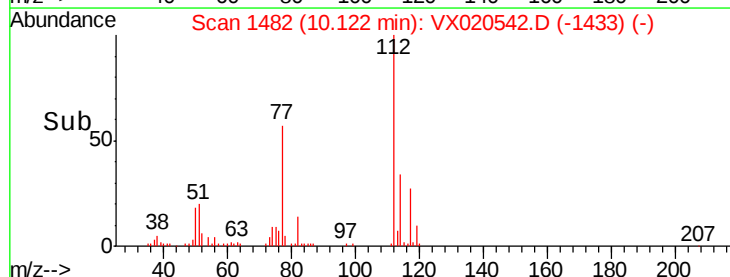
77 57.5 48.4 72.6

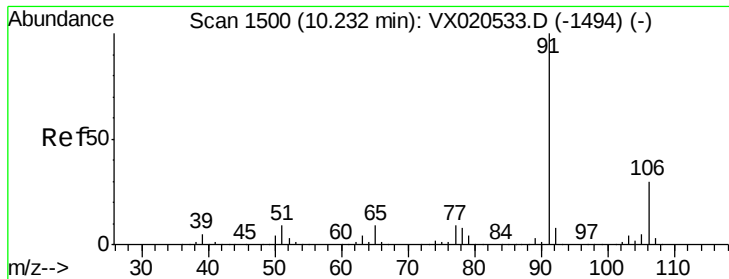


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VX0





#52

Ethylbenzene

Concen: 2.073 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

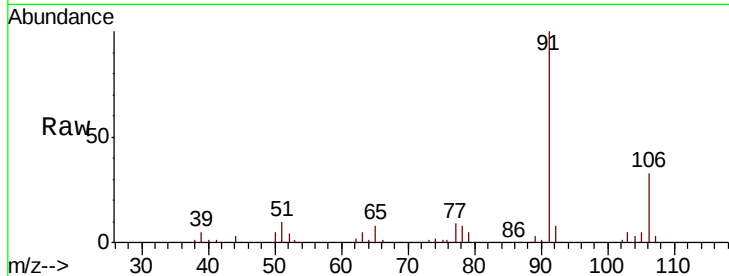
ClientSampled :

Tot Ion: 91 Resp: 23986

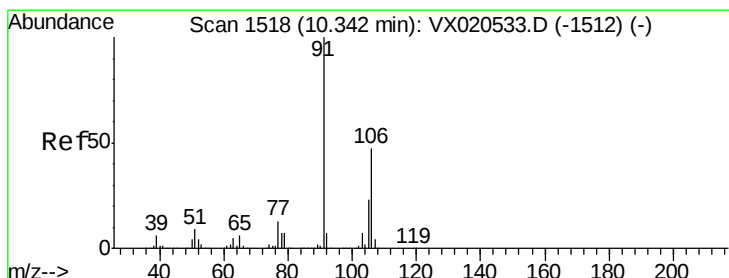
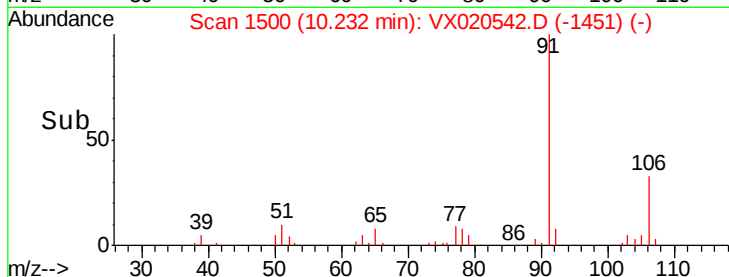
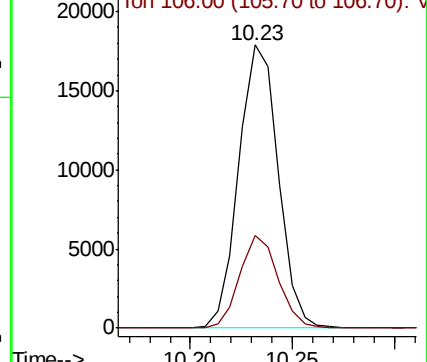
Ion Ratio Lower Upper

91 100

106 32.9 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0



#53

m,p-Xylene

Concen: 2.074 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020542.D

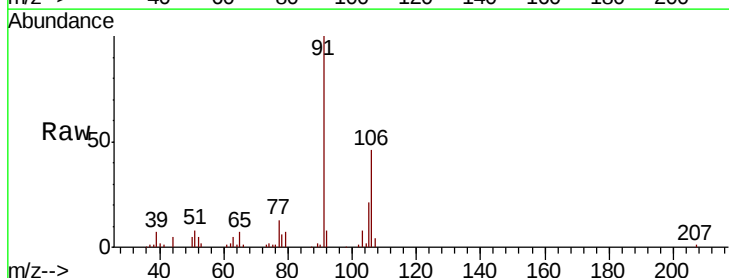
Acq: 08 Jan 2021 16:39

Tgt Ion: 106 Resp: 8965

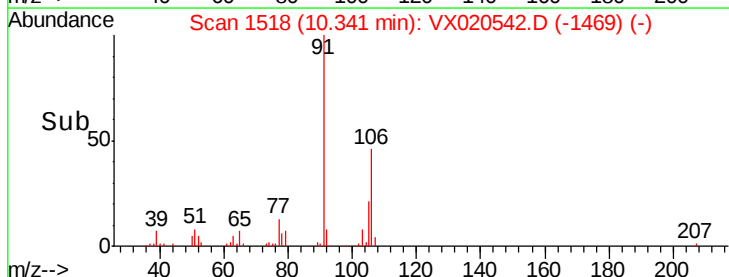
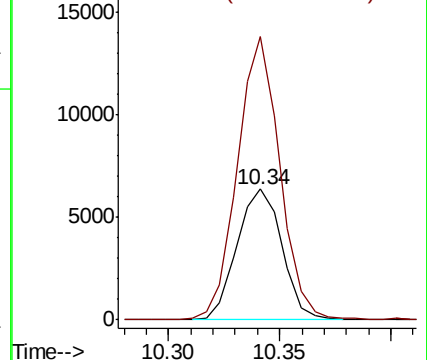
Ion Ratio Lower Upper

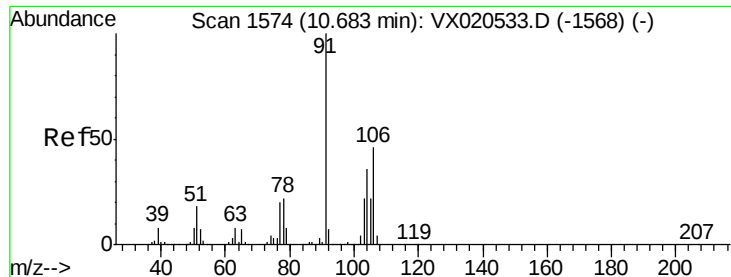
106 100

91 216.9 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

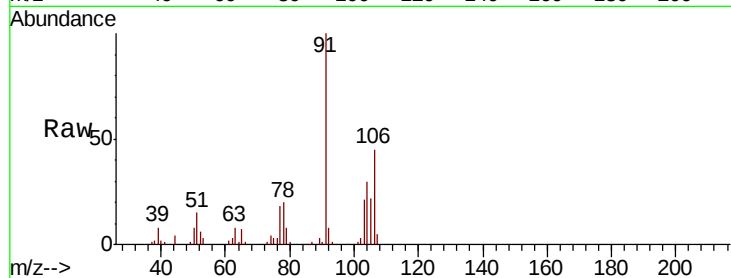




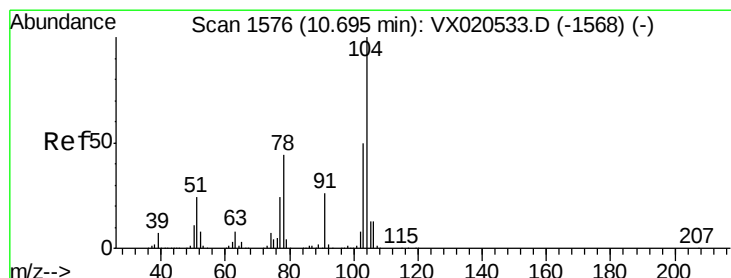
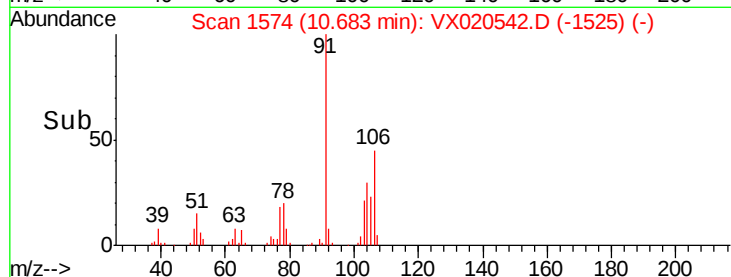
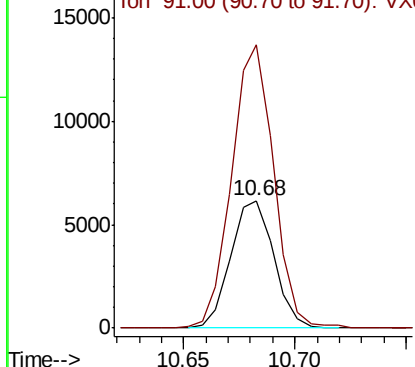
#54
o-Xylene
Concen: 1.985 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 8327
Ion Ratio Lower Upper
106 100
91 222.4 156.2 290.0

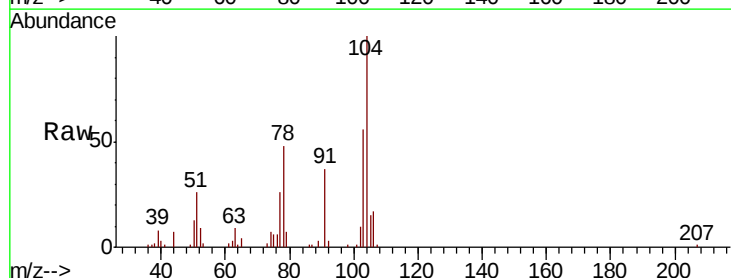


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

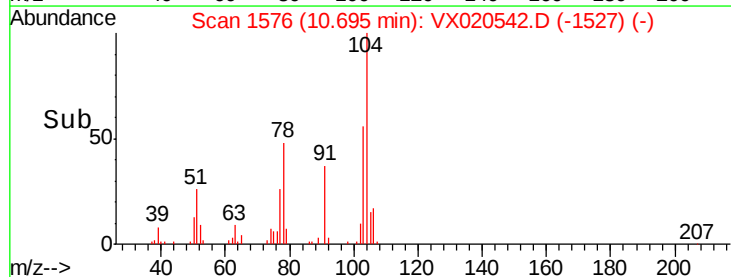
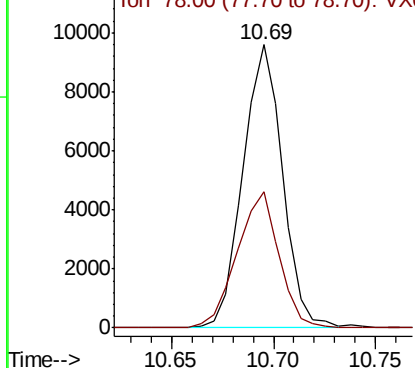


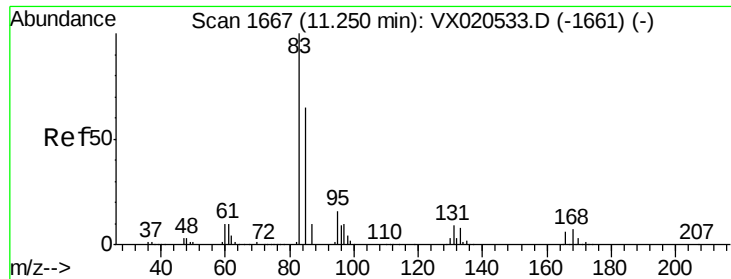
#55
Styrene
Concen: 1.824 ug/L
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX020542.D
Acq: 08 Jan 2021 16:39

Tgt Ion:104 Resp: 12956
Ion Ratio Lower Upper
104 100
78 48.3 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0

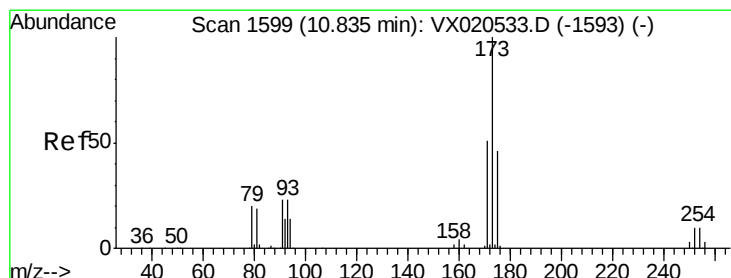
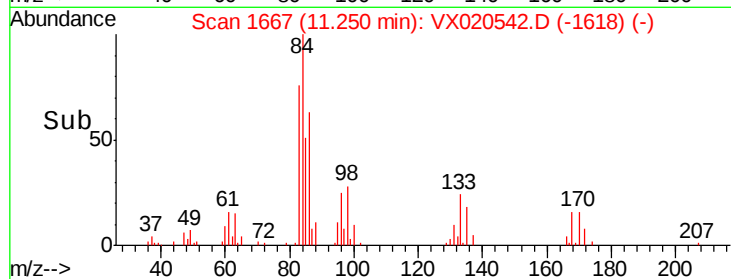
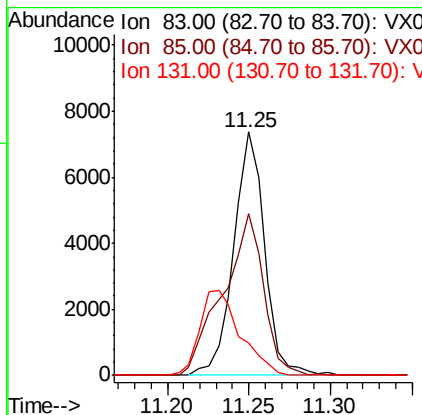
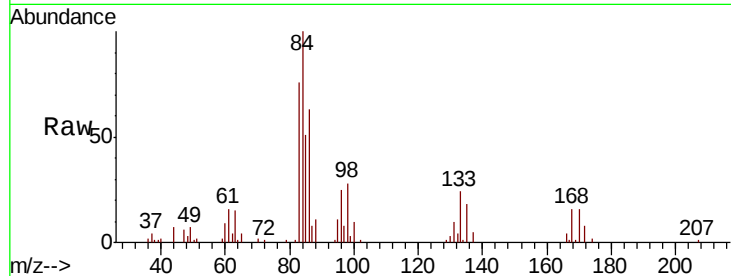




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.373 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

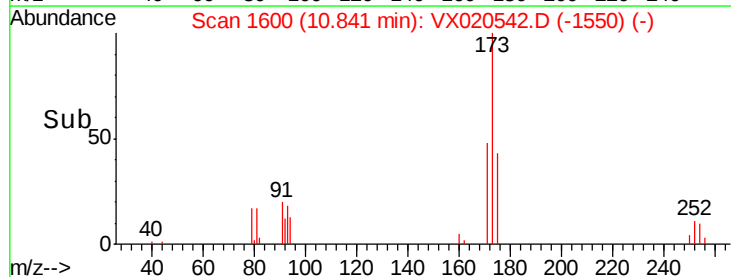
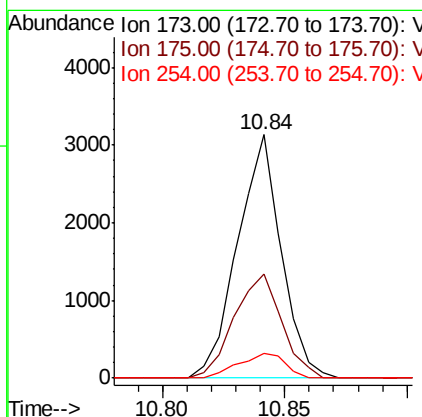
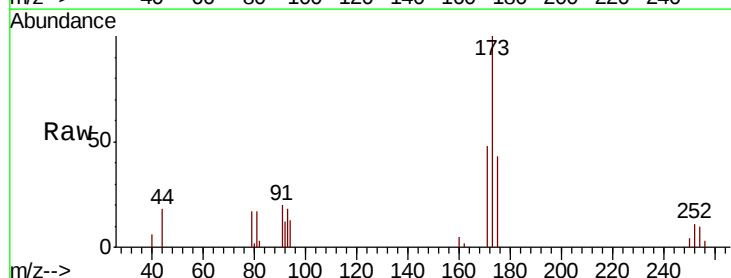
Instrument :
 MSVOA_X
 ClientSampleId :

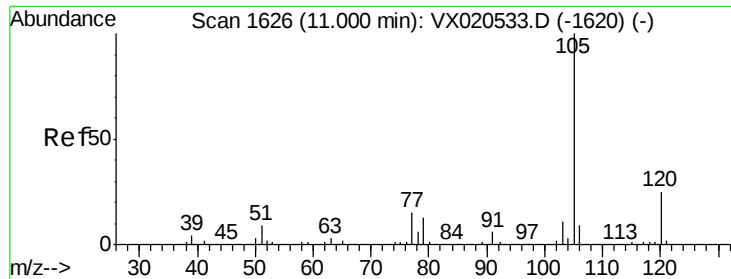
Tot Ion: 83 Resp: 9766
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.7 82.9
 131 13.2 7.8 11.8#



#59
 Bromoform
 Concen: 2.286 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

Tgt Ion: 173 Resp: 3888
 Ion Ratio Lower Upper
 173 100
 175 46.5 39.4 59.2
 254 10.9 8.6 13.0





#60

Isopropylbenzene

Concen: 2.066 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

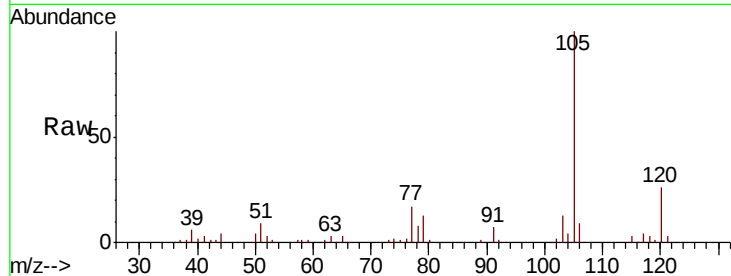
Tot Ion: 105 Resp: 19837

Ion Ratio Lower Upper

105 100

120 25.7 21.2 31.8

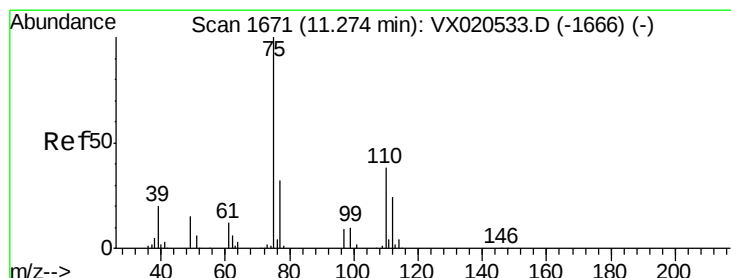
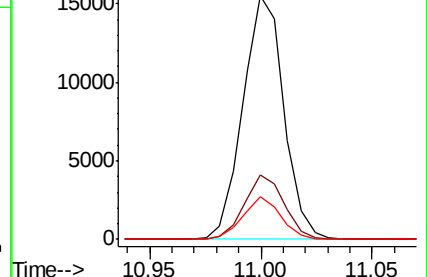
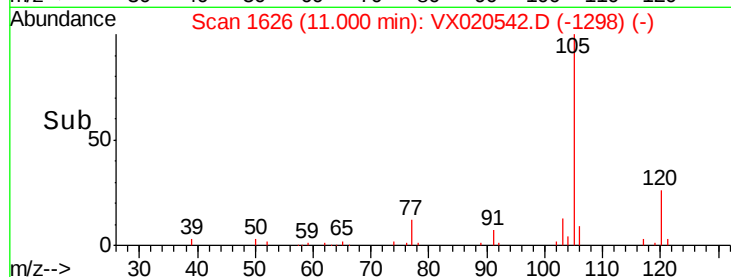
77 16.0 12.6 18.8



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: 2.575 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

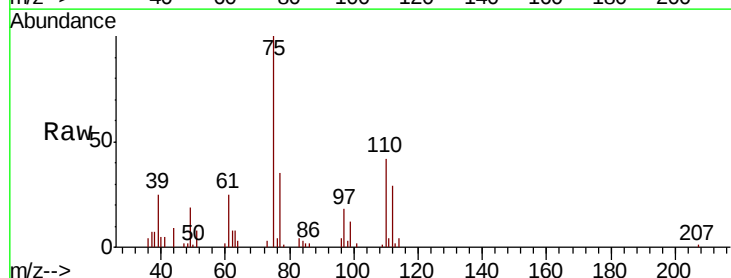
Tgt Ion: 75 Resp: 7648

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2

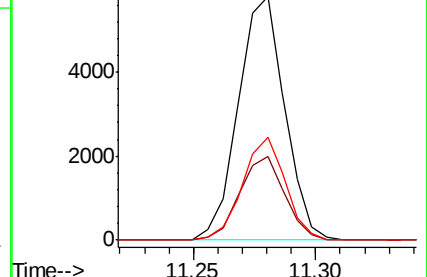
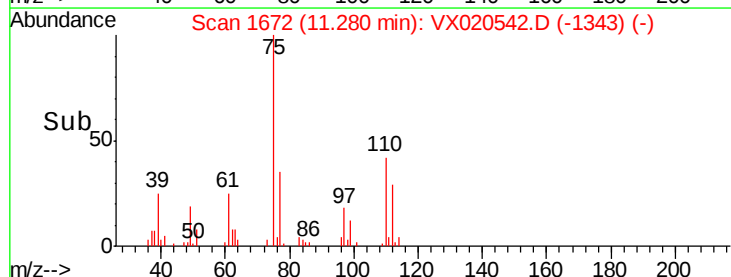
110 39.1 31.8 47.8

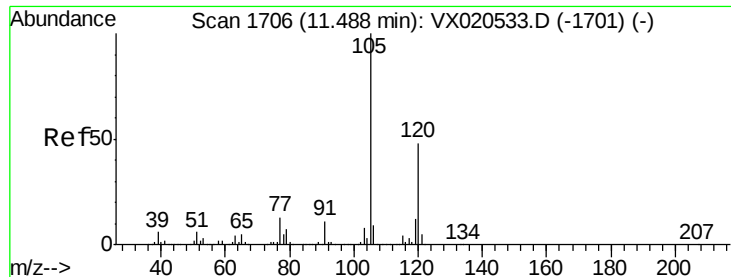


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.860 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

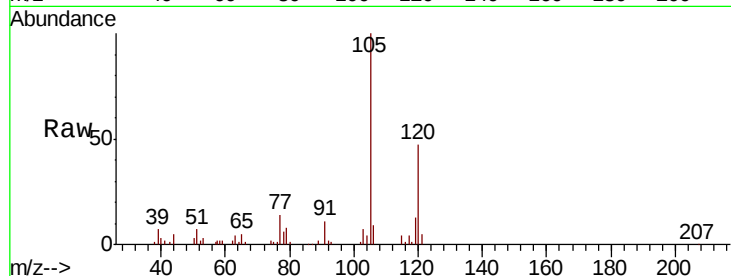
ClientSampleId :

Tot Ion:105 Resp: 14561

Ion Ratio Lower Upper

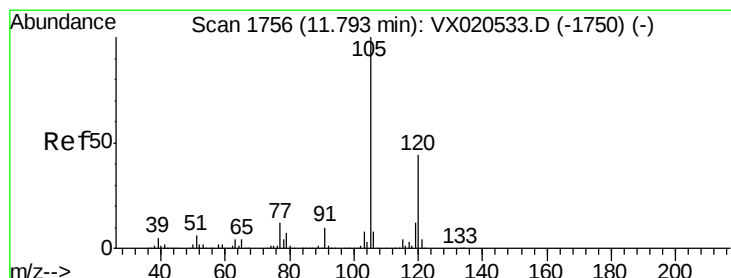
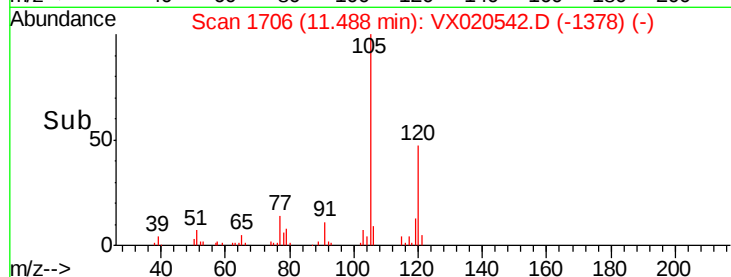
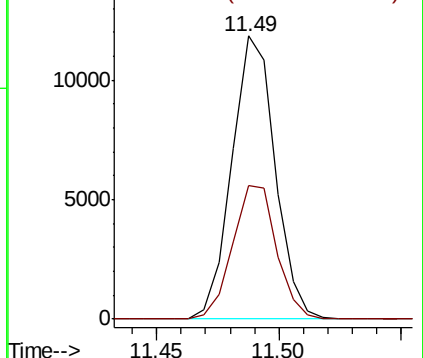
105 100

120 48.1 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.819 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX020542.D

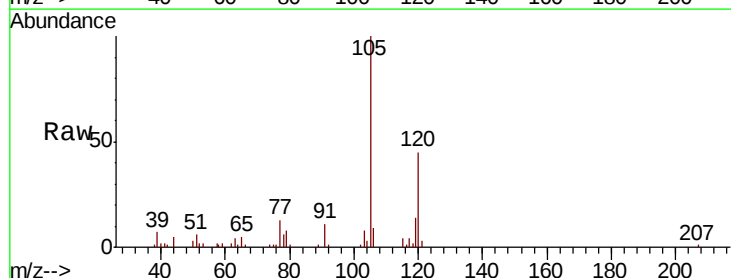
Acq: 08 Jan 2021 16:39

Tgt Ion:105 Resp: 14374

Ion Ratio Lower Upper

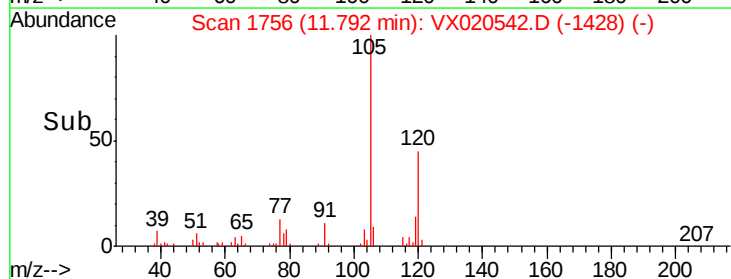
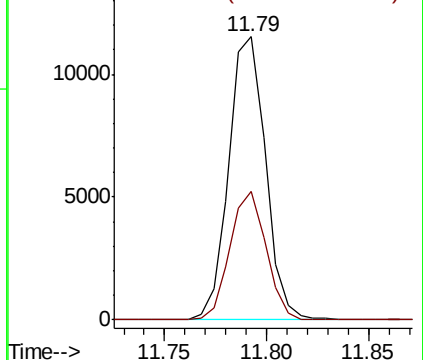
105 100

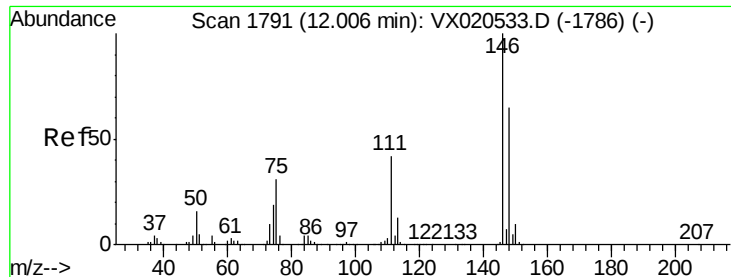
120 44.4 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.246 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampled :

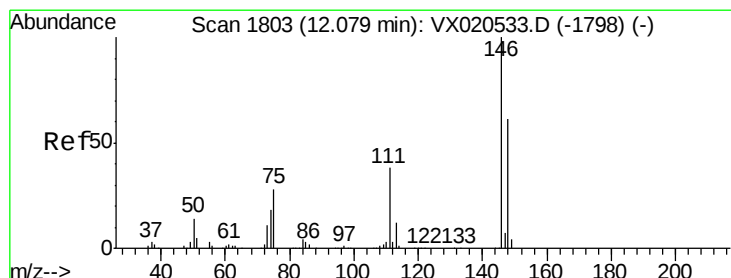
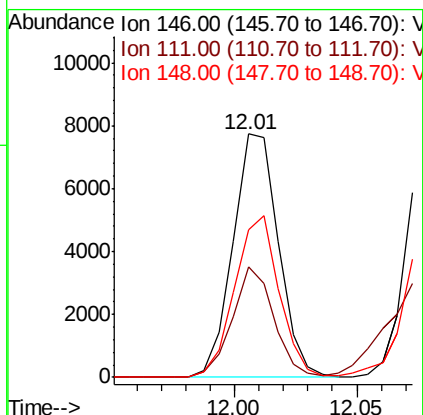
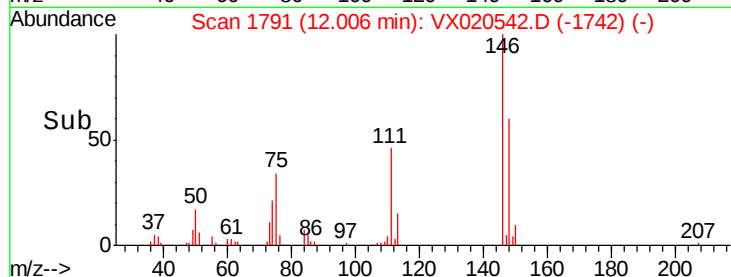
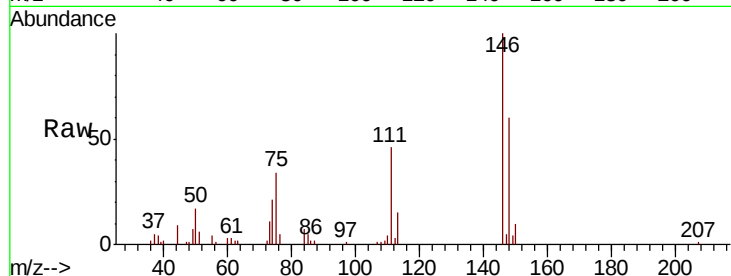
Tot Ion:146 Resp: 10060

Ion Ratio Lower Upper

146 100

111 45.6 28.9 53.7

148 60.4 47.7 88.7



#65

1,4-Dichlorobenzene

Concen: 2.420 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

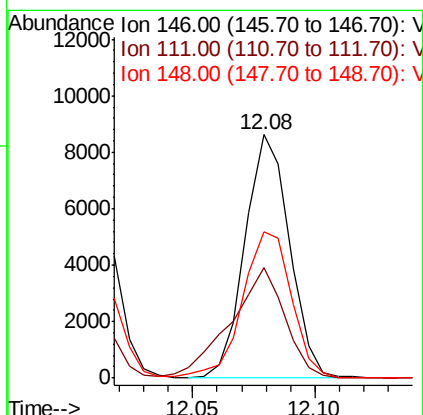
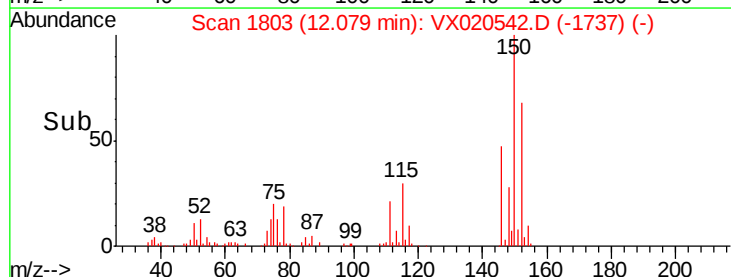
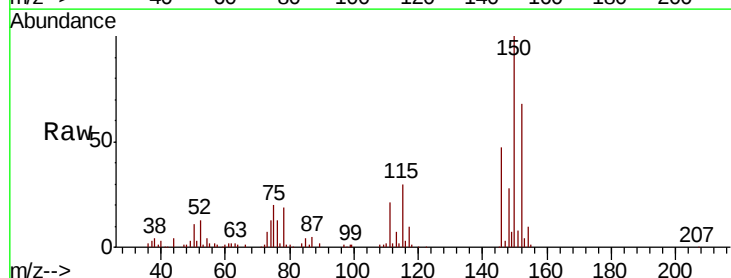
Tgt Ion:146 Resp: 10954

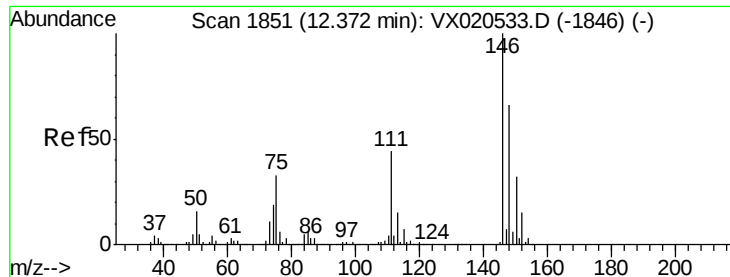
Ion Ratio Lower Upper

146 100

111 45.3 28.7 53.3

148 60.2 45.8 85.2

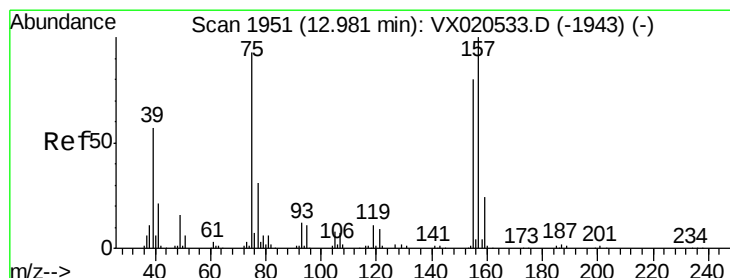
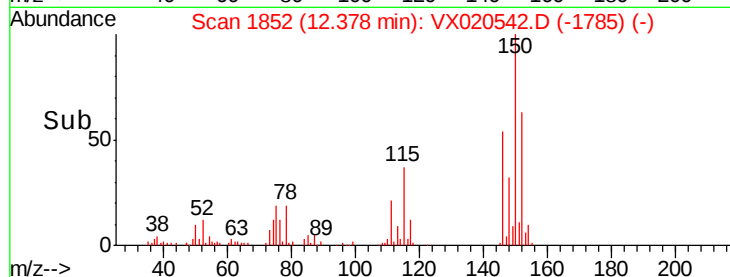
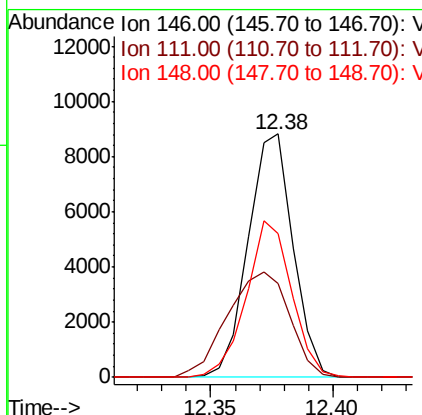
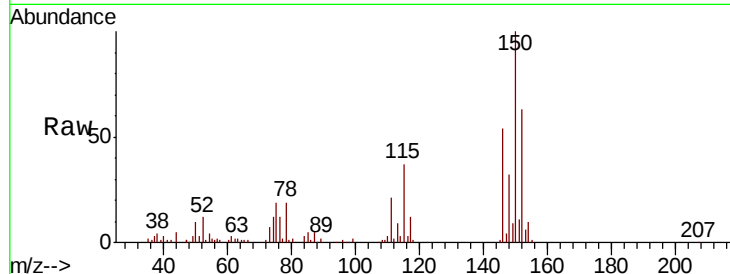




#67
 1,2-Dichlorobenzene
 Concen: 2.542 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

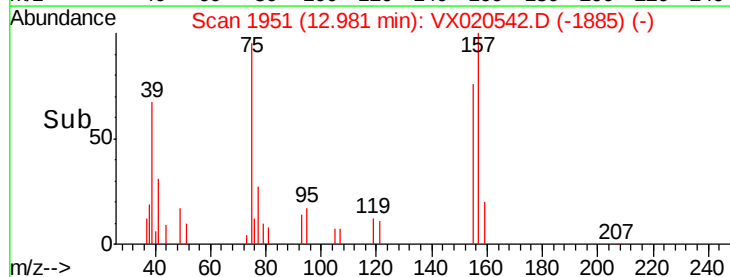
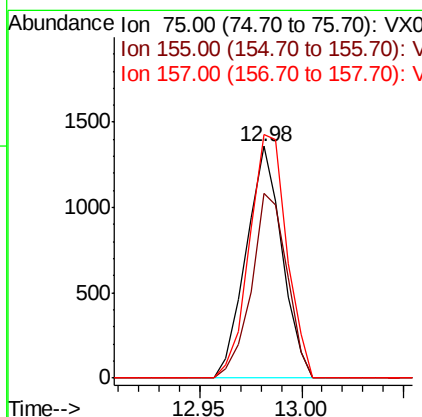
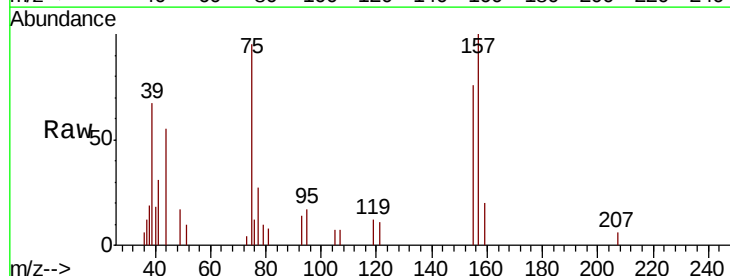
Instrument :
 MSVOA_X
 ClientSampleId :

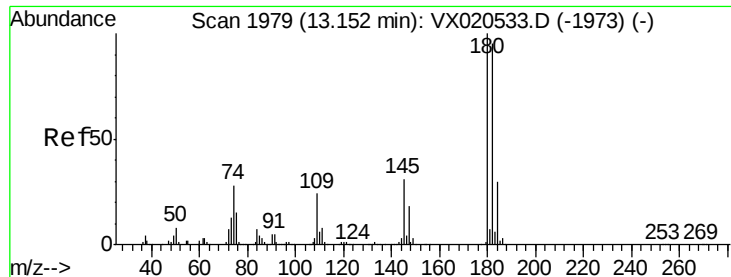
Tot Ion:146 Resp: 11352
 Ion Ratio Lower Upper
 146 100
 111 38.7 33.8 50.8
 148 59.1 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.212 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

Tgt Ion: 75 Resp: 1662
 Ion Ratio Lower Upper
 75 100
 155 79.9 65.3 97.9
 157 105.2 80.5 120.7

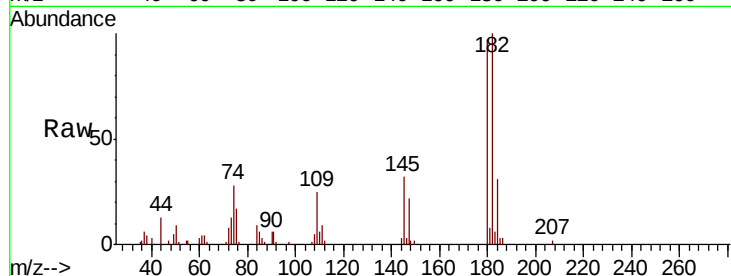




#69
 1,3,5-Trichlorobenzene
 Concen: 2.342 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	180	Resp	7202
Ion Ratio	Lower	Upper	
180	100		
182	97.7	74.8	112.2
184	29.7	24.1	36.1
145	30.3	23.7	35.5



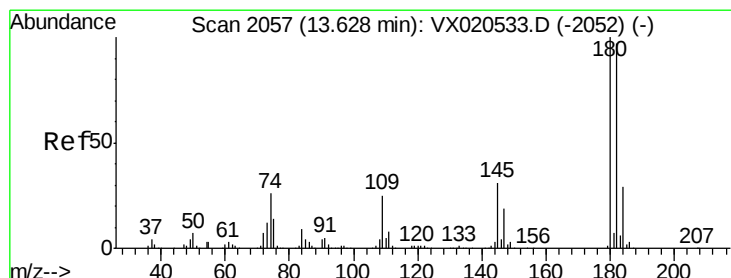
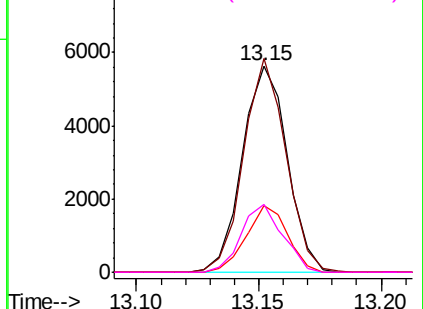
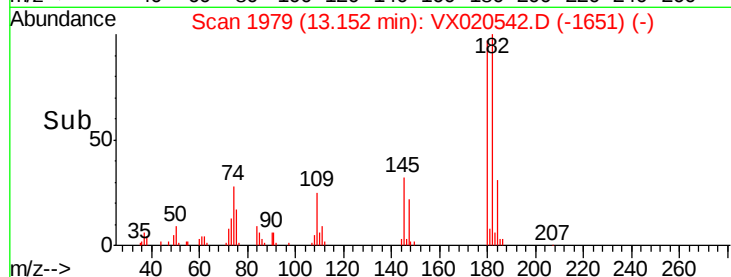
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

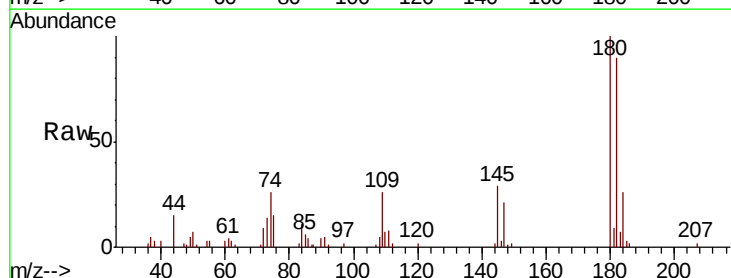
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.186 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020542.D
 Acq: 08 Jan 2021 16:39

Tgt Ion	180	Resp	5787
Ion Ratio	Lower	Upper	
180	100		
182	95.3	74.3	111.5
145	31.6	24.1	36.1

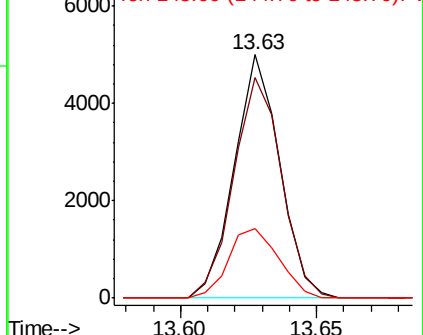
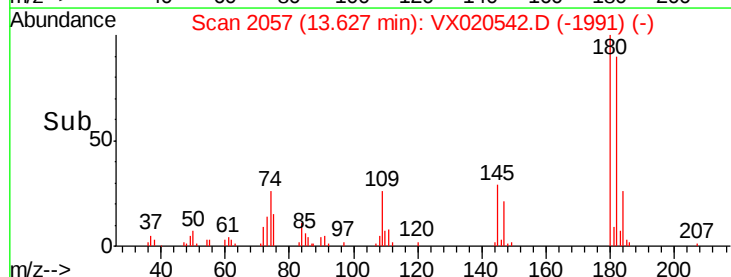


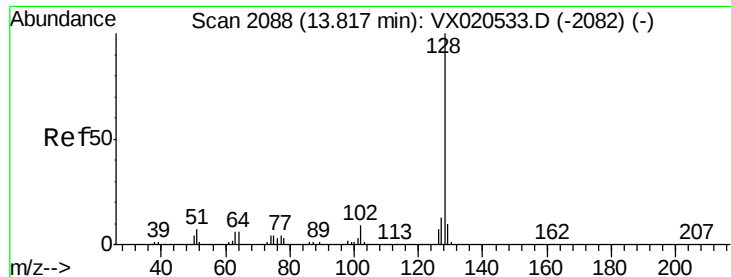
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 1.649 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

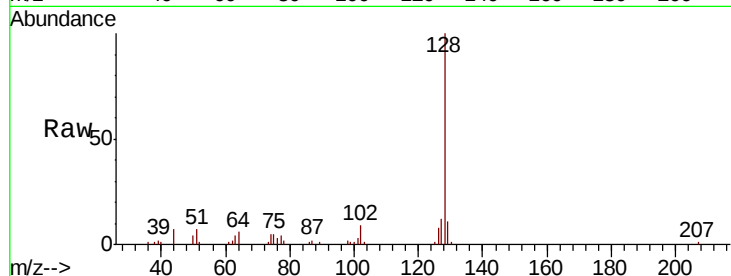
Tot Ion:128 Resp: 14423

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.6 8.6 13.0

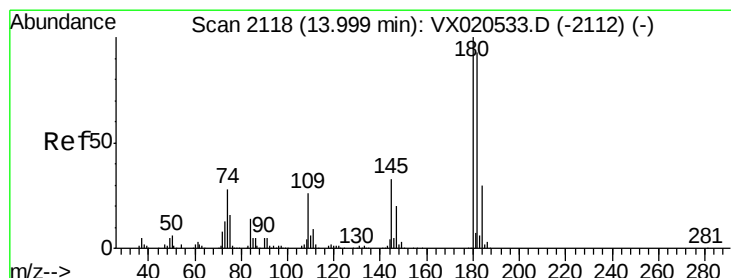
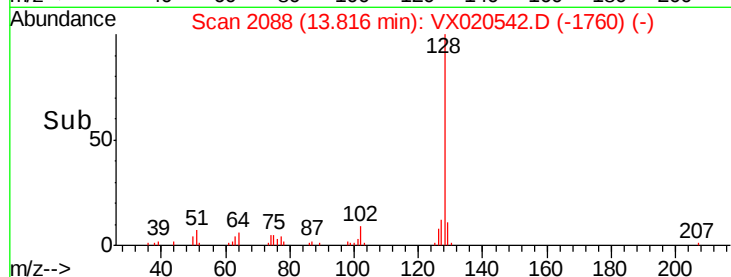
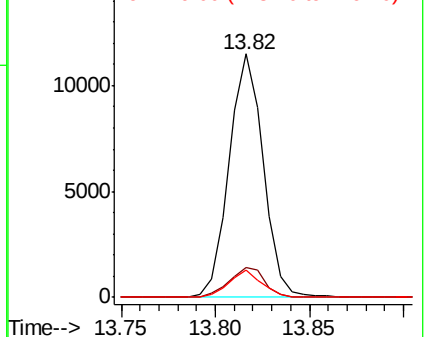


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 2.110 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX020542.D

Acq: 08 Jan 2021 16:39

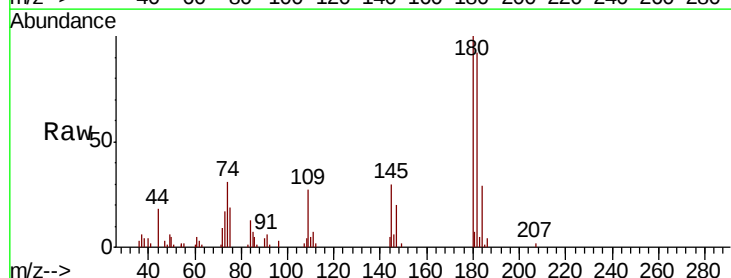
Tgt Ion:180 Resp: 5746

Ion Ratio Lower Upper

180 100

182 95.1 74.6 112.0

145 30.4 25.6 38.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

