

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010821\
 Data File : VX020541.D
 Acq On : 08 Jan 2021 16:10
 Operator : JC/MD
 Sample : L5214-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:43:49 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	6.83	114	334207	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	319781	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	137872	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	119194	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.78%
7) Chloroethane-d5	1.69	69	99783	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.10%
11) 1,1-Dichloroethene-d2	2.34	63	176313	35.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.32%
21) 2-Butanone-d5	4.53	46	178234	108.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.33%
24) Chloroform-d	5.14	84	241537	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.56%
26) 1,2-Dichloroethane-d4	6.03	65	158075	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.34%
32) Benzene-d6	6.05	84	489205	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
36) 1,2-Dichloropropane-d6	7.37	67	156986	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.56%
41) Toluene-d8	8.70	98	429929	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.99	79	71709	49.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.12%
47) 2-Hexanone-d5	9.43	63	141646	107.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.82%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	206130	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
66) 1,2-Dichlorobenzene-d4	12.36	152	146772	54.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	7569	2.326 ug/L	99
3) Chloromethane	1.31	50	7113	2.429 ug/L	96
5) Vinyl chloride	1.39	62	7873	2.531 ug/L #	80
6) Bromomethane	1.64	94	4272	2.715 ug/L	97
8) Chloroethane	1.71	64	4486	2.408 ug/L	97
9) Trichlorofluoromethane	1.92	101	9632	2.459 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7539	3.095 ug/L #	83
12) 1,1-Dichloroethene	2.36	96	6856	2.879 ug/L #	1
13) Acetone	2.42	43	6420	4.761 ug/L	100
14) Carbon disulfide	2.55	76	16316	2.135 ug/L	98
15) Methyl Acetate	2.75	43	6002	2.235 ug/L	99
16) Methylene chloride	2.84	84	7193	2.527 ug/L	92
17) trans-1,2-Dichloroethene	3.14	96	6088	2.375 ug/L	99
18) Methyl tert-butyl Ether	3.17	73	17195	2.220 ug/L	99
19) 1,1-Dichloroethane	3.67	63	10839	2.338 ug/L	99
20) cis-1,2-Dichloroethene	4.56	96	6414	2.288 ug/L	86
22) 2-Butanone	4.64	43	8507	4.268 ug/L #	67

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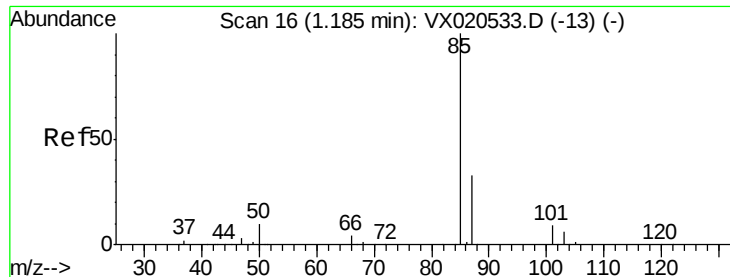
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:43:49 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)

23) Bromochloromethane	4.98	128	3292	2.271	ug/L	88
25) Chloroform	5.18	83	12754	2.520	ug/L	96
27) 1,2-Dichloroethane	6.16	62	8885	2.381	ug/L	96
29) Cyclohexane	5.55	56	8205	2.081	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	9694	2.372	ug/L #	80
31) Carbon tetrachloride	5.76	117	7762	2.246	ug/L	98
33) Benzene	6.11	78	25358	2.399	ug/L	100
34) Trichloroethene	7.18	95	6506	2.417	ug/L	97
35) Methylcyclohexane	7.44	83	8247	2.038	ug/L	95
37) 1,2-Dichloropropane	7.48	63	6393	2.384	ug/L	98
38) Bromodichloromethane	7.87	83	7711	2.240	ug/L	97
39) cis-1,3-Dichloropropene	8.41	75	9362	2.322	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	15111	4.290	ug/L	98
42) Toluene	8.76	91	26053	2.353	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	9560	2.429	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	6292	2.371	ug/L	98
46) Tetrachloroethene	9.32	164	5034	2.413	ug/L	89
48) 2-Hexanone	9.47	43	13948	5.011	ug/L	96
49) Dibromochloromethane	9.56	129	5774	2.122	ug/L	97
50) 1,2-Dibromoethane	9.65	107	6410	2.332	ug/L	100
51) Chlorobenzene	10.12	112	16495	2.353	ug/L	99
52) Ethylbenzene	10.23	91	24164	2.041	ug/L	98
53) m,p-Xylene	10.34	106	9062	2.049	ug/L	99
54) o-Xylene	10.68	106	8438	1.966	ug/L	91
55) Styrene	10.70	104	13365	1.839	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	9947	2.362	ug/L	95
59) Bromoform	10.84	173	3900	2.265	ug/L #	96
60) Isopropylbenzene	11.00	105	21202	2.181	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	7704	2.562	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	15928	2.009	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	14318	1.789	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	10413	2.296	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	10832	2.364	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	11268	2.492	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	1688	2.219	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	7280	2.338	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	6180	2.305	ug/L	97
71) Naphthalene	13.82	128	14552	1.643	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	6085	2.206	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.326 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

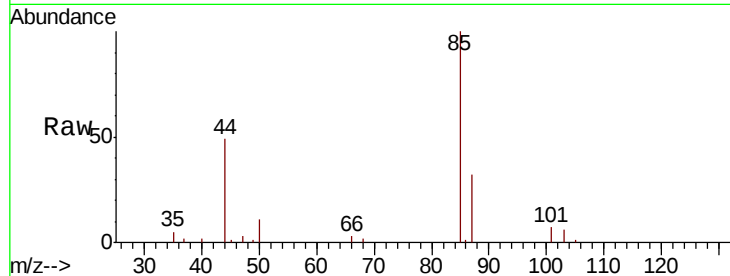
ClientSampled :

Tot Ion: 85 Resp: 7569

Ion Ratio Lower Upper

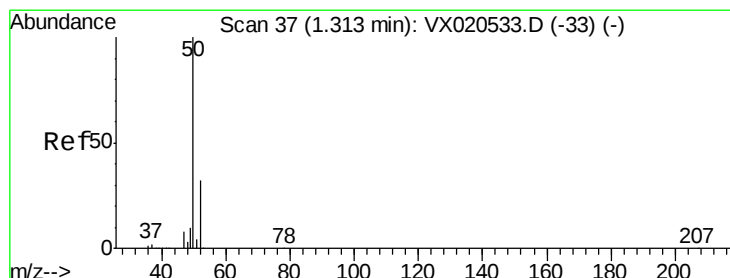
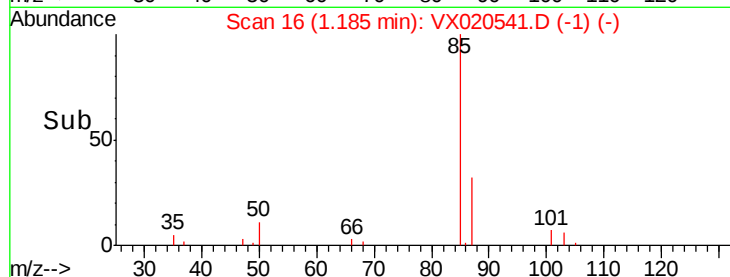
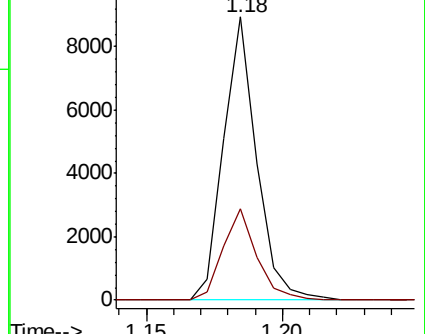
85 100

87 33.1 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: 2.429 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX020541.D

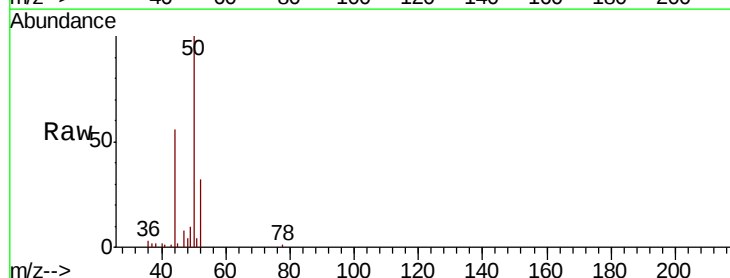
Acq: 08 Jan 2021 16:10

Tgt Ion: 50 Resp: 7113

Ion Ratio Lower Upper

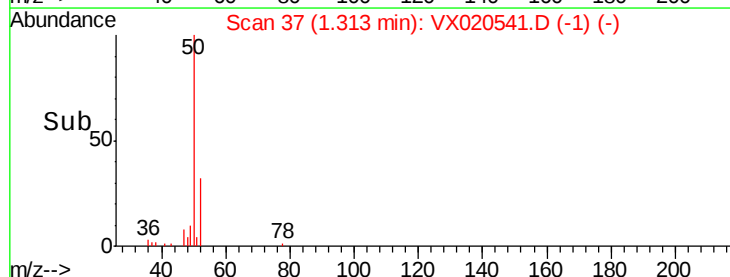
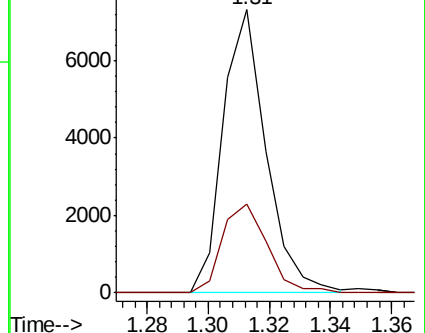
50 100

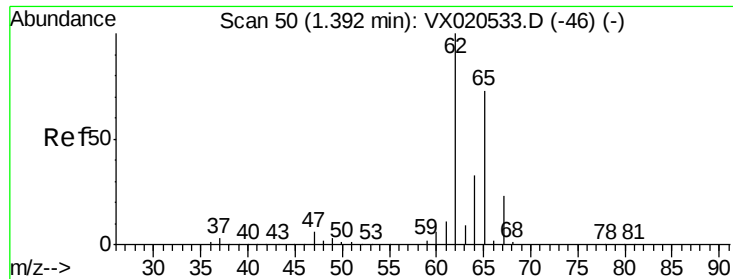
52 31.5 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.531 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

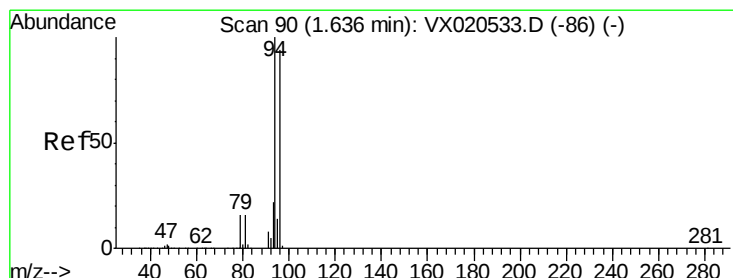
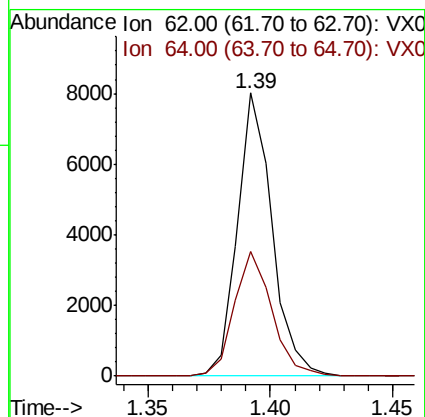
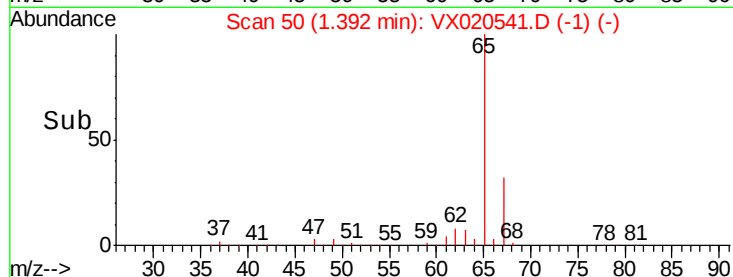
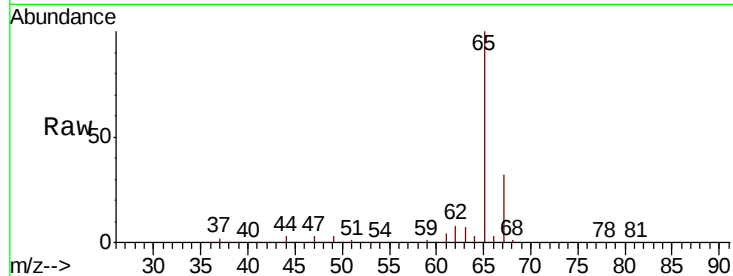
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 62 Resp: 7873

Ion Ratio Lower Upper

62 100

64 43.9 22.7 42.3#



#6

Bromomethane

Concen: 2.715 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX020541.D

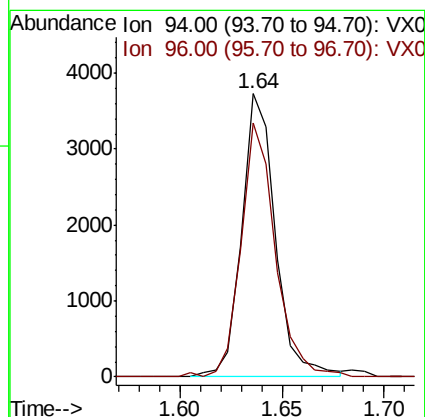
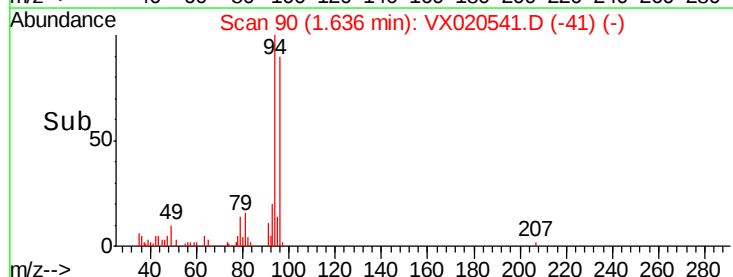
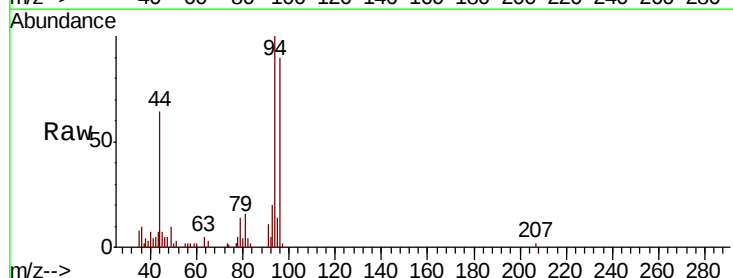
Acq: 08 Jan 2021 16:10

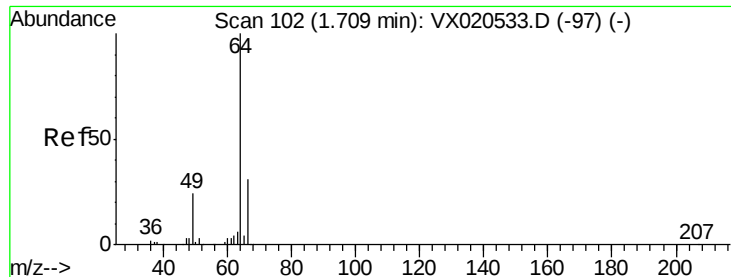
Tgt Ion: 94 Resp: 4272

Ion Ratio Lower Upper

94 100

96 89.6 64.8 120.3





#8

Chloroethane

Concen: 2.408 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

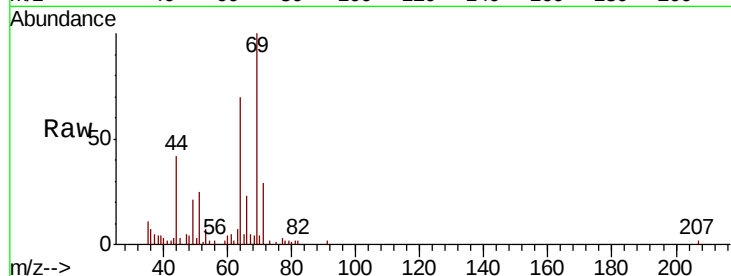
ClientSampled :

Tot Ion: 64 Resp: 4486

Ion Ratio Lower Upper

64 100

66 33.3 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

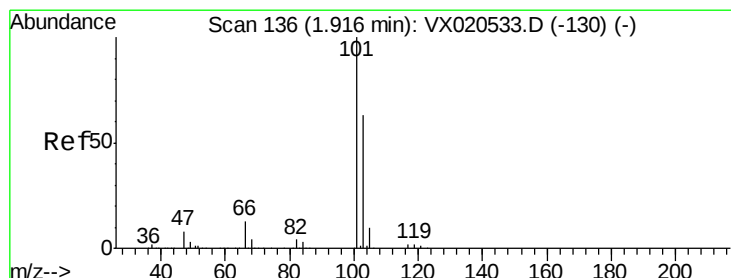
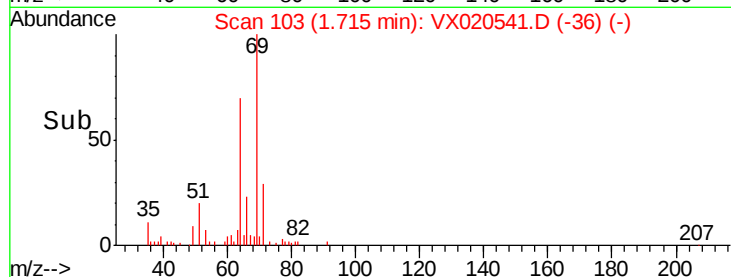
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 2.459 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020541.D

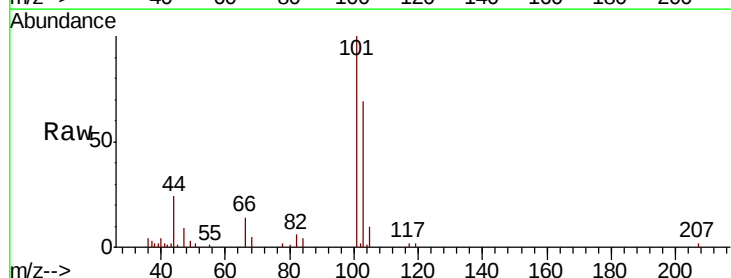
Acq: 08 Jan 2021 16:10

Tgt Ion: 101 Resp: 9632

Ion Ratio Lower Upper

101 100

103 63.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

8000

6000

4000

2000

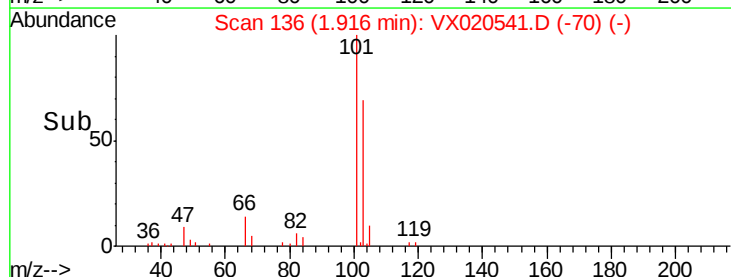
0

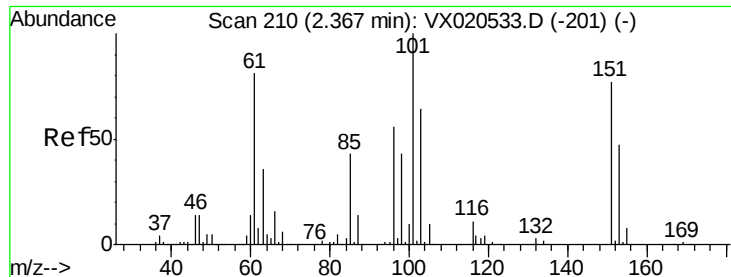
1.85

1.90

1.95

Time-->





#10

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

Concen: 3.095 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

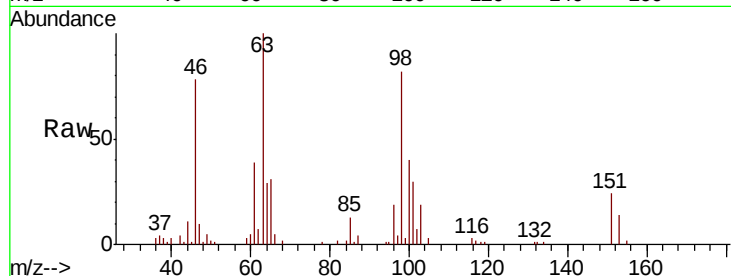
Tot Ion:101 Resp: 7539

Ion Ratio Lower Upper

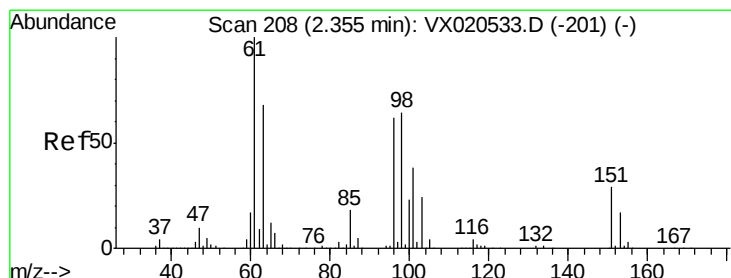
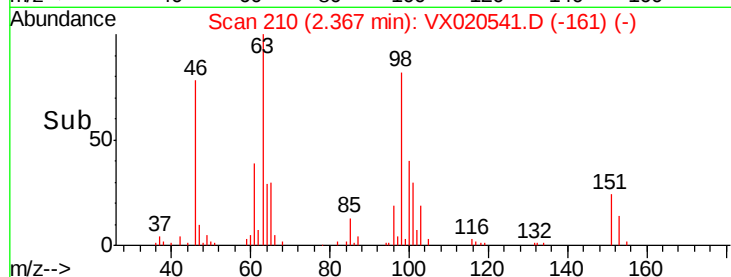
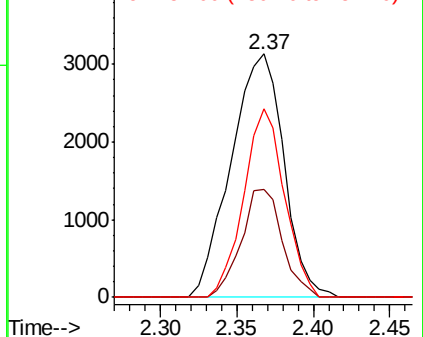
101 100

85 34.5 34.3 51.5

151 59.8 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: 2.879 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

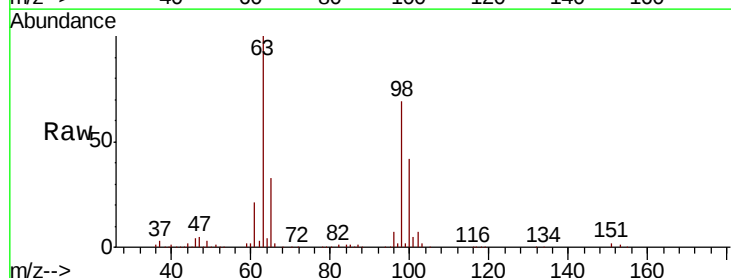
Tgt Ion: 96 Resp: 6856

Ion Ratio Lower Upper

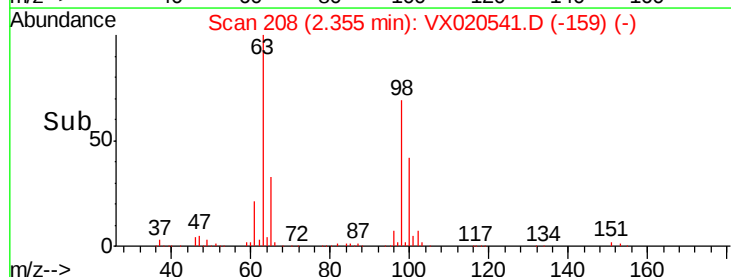
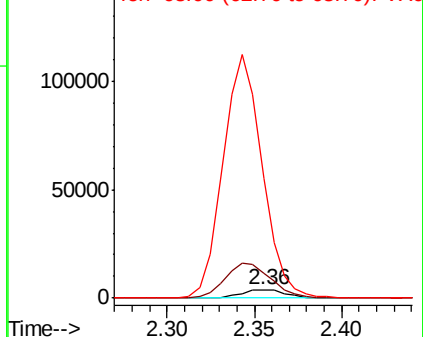
96 100

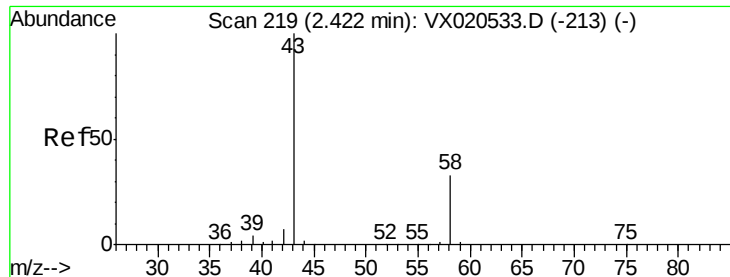
61 296.1 115.5 214.5#

63 1426.8 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: 4.761 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

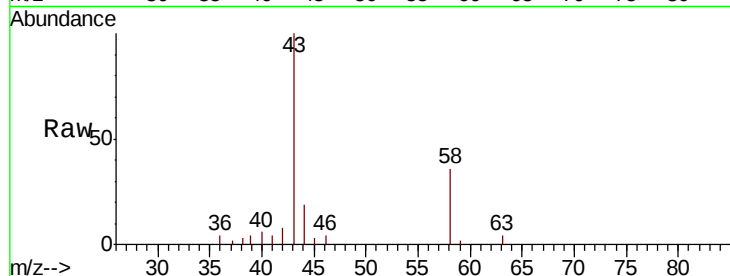
ClientSampleId :

Tot Ion: 43 Resp: 6420

Ion Ratio Lower Upper

43 100

58 34.1 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

4000

3000

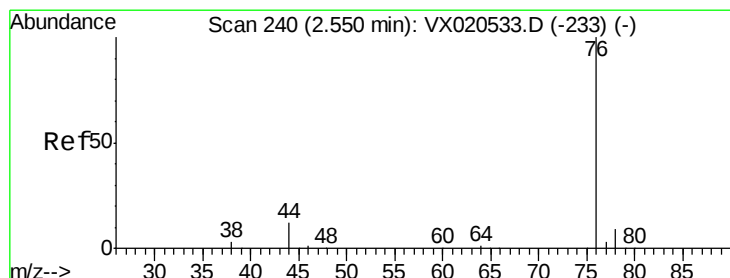
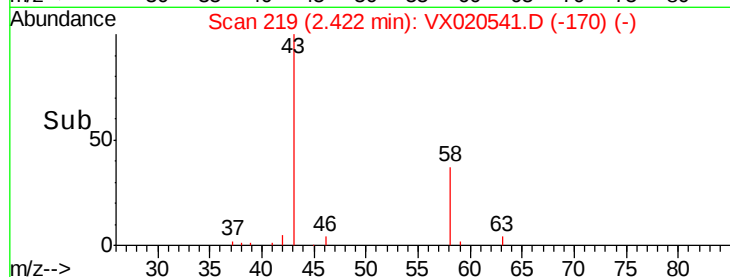
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 2.135 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020541.D

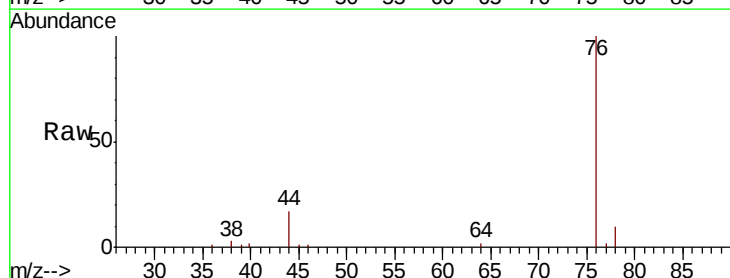
Acq: 08 Jan 2021 16:10

Tgt Ion: 76 Resp: 16316

Ion Ratio Lower Upper

76 100

78 10.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

12000

10000

8000

6000

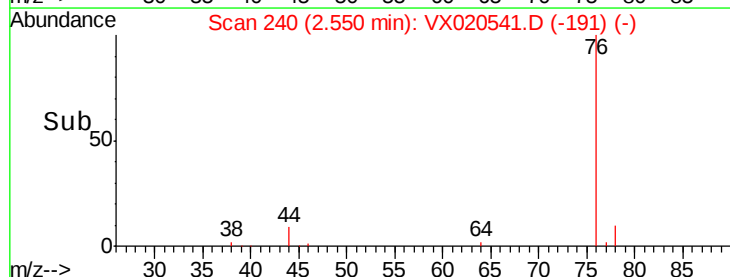
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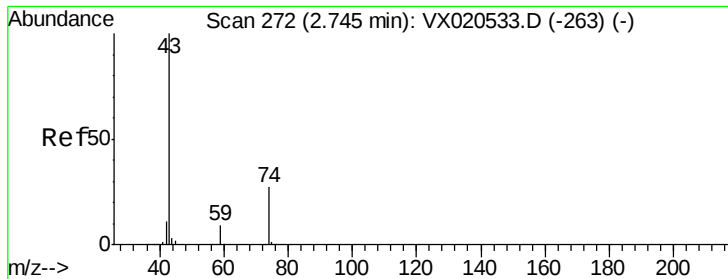
2000

0

Time-->

2.50 2.55 2.60

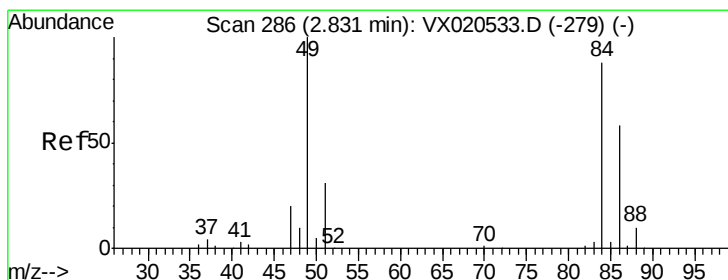
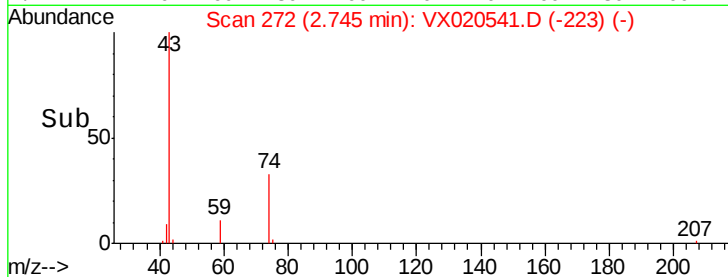
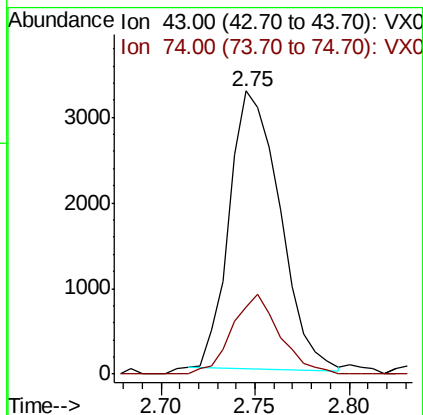
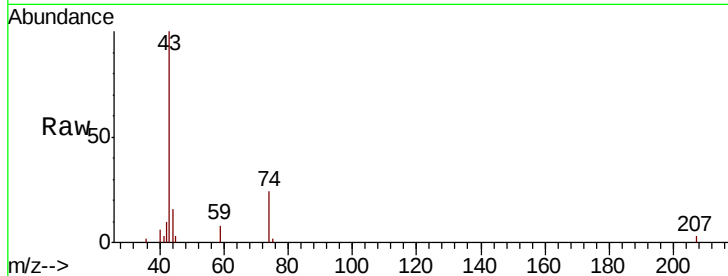




#15
Methvl Acetate
Concen: 2.235 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

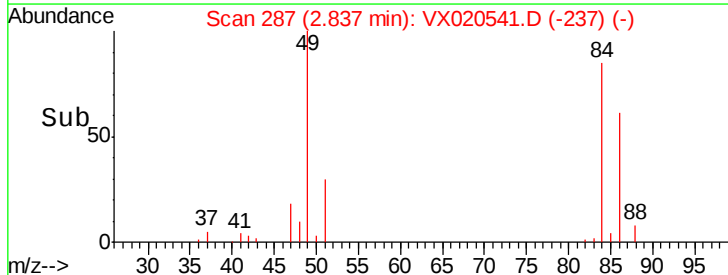
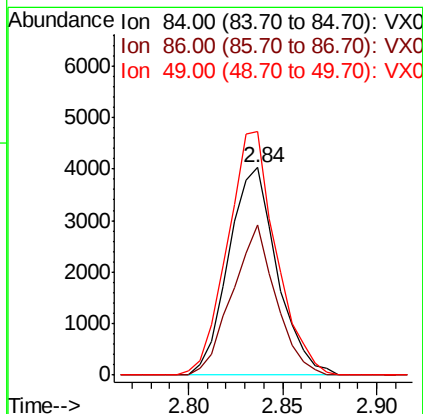
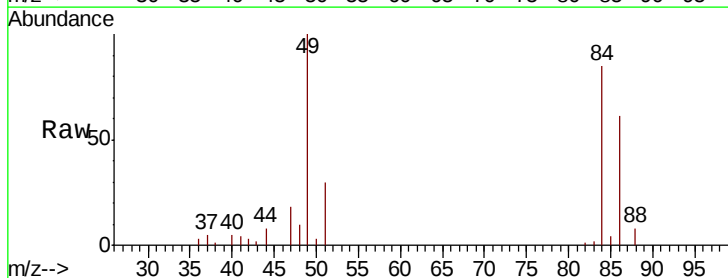
Instrument :
MSVOA_X
ClientSampleId :

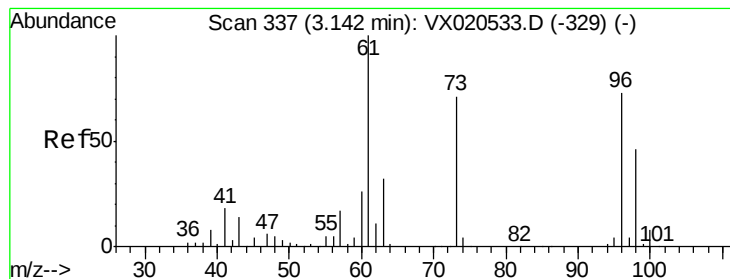
Tot Ion: 43 Resp: 6002
Ion Ratio Lower Upper
43 100
74 27.4 21.7 32.5



#16
Methylene chloride
Concen: 2.527 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Tgt Ion: 84 Resp: 7193
Ion Ratio Lower Upper
84 100
86 72.1 44.2 82.0
49 117.3 77.8 144.6





#17

trans-1,2-Dichloroethene

Concen: 2.375 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampled :

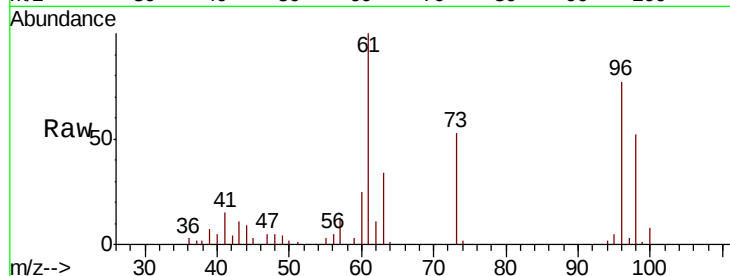
Tot Ion: 96 Resp: 6088

Ion Ratio Lower Upper

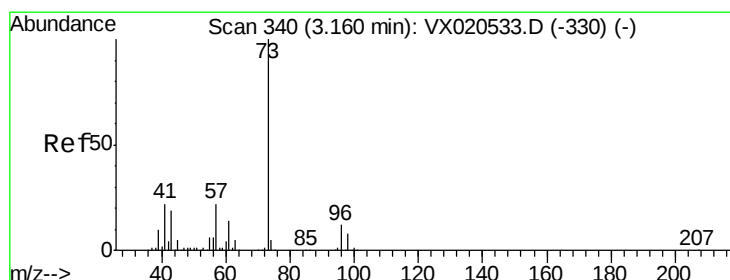
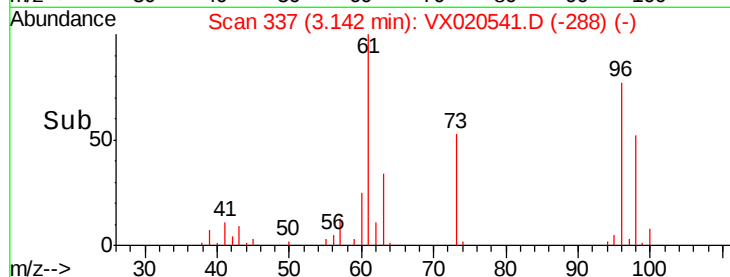
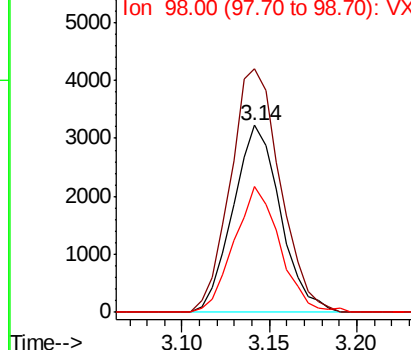
96 100

61 130.2 92.3 171.3

98 67.3 46.3 85.9



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 2.220 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

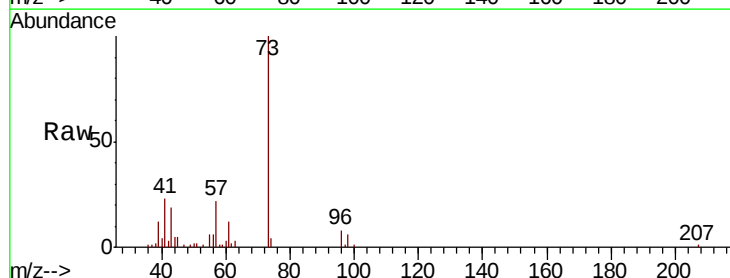
Tgt Ion: 73 Resp: 17195

Ion Ratio Lower Upper

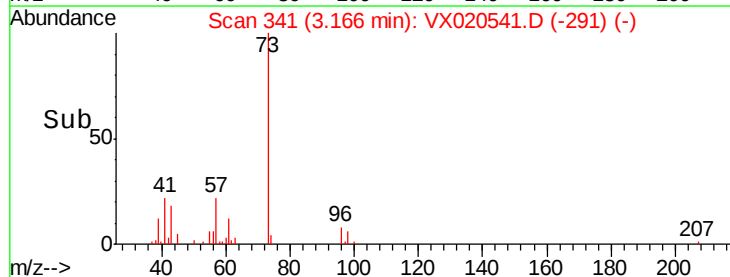
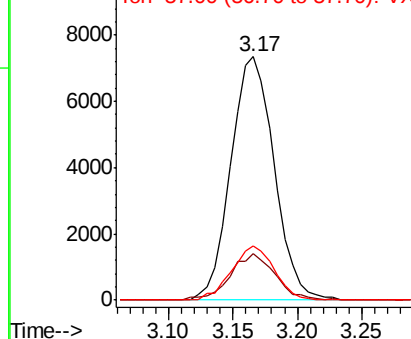
73 100

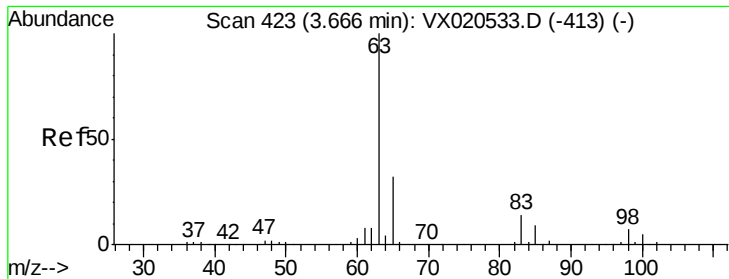
43 19.4 15.1 22.7

57 21.9 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

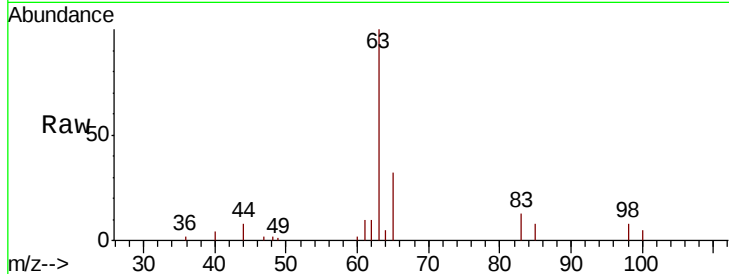




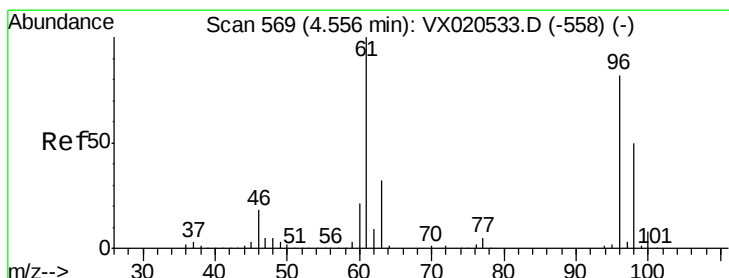
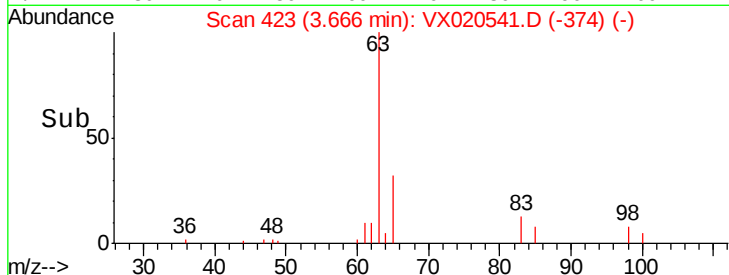
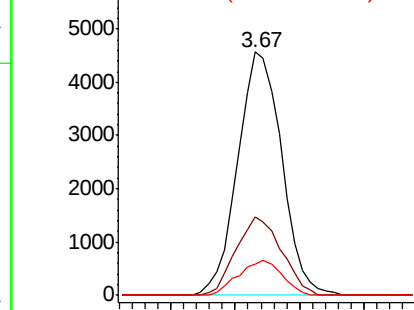
#19
 1,1-Dichloroethane
 Concen: 2.338 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 63 Resp: 10839
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.4 41.6
 83 12.8 9.5 17.7

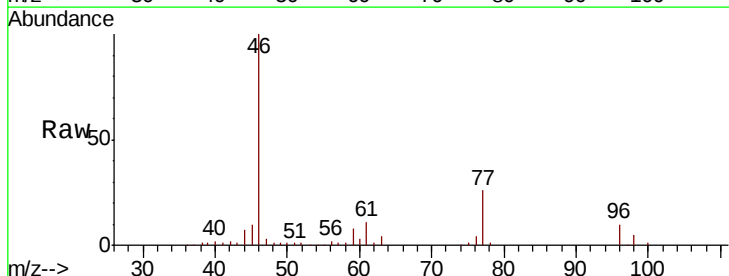


Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 65.00 (64.70 to 65.70): VX0
 Ion 83.00 (82.70 to 83.70): VX0

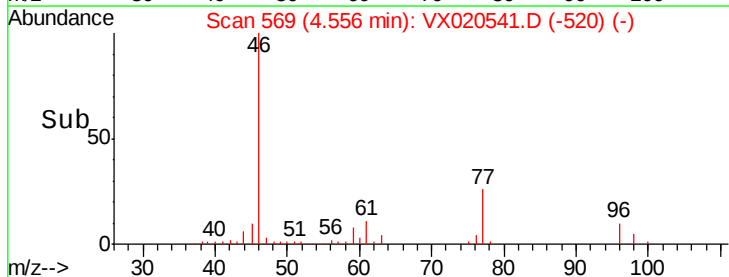
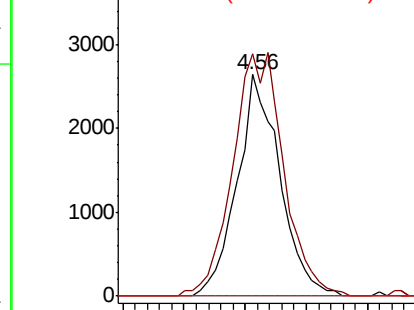


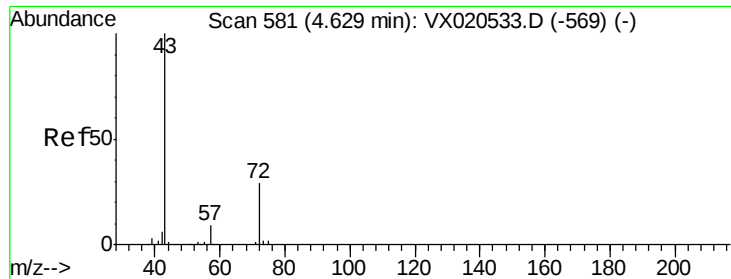
#20
 cis-1,2-Dichloroethene
 Concen: 2.288 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Tgt Ion: 96 Resp: 6414
 Ion Ratio Lower Upper
 96 100
 61 109.5 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: 4.268 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

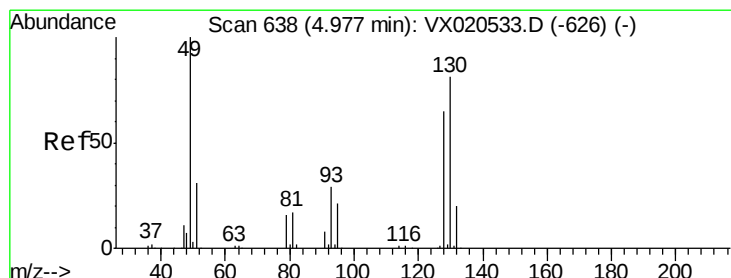
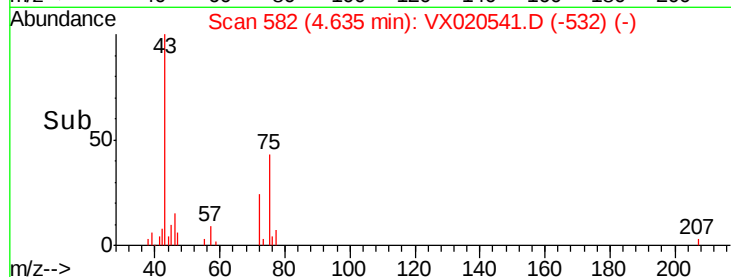
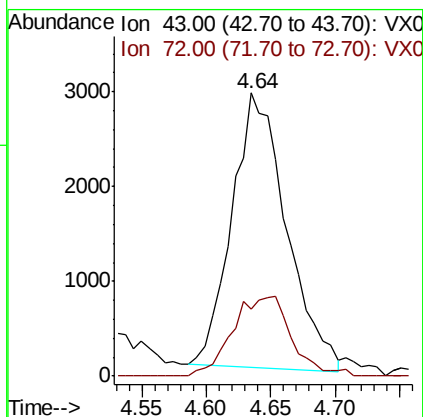
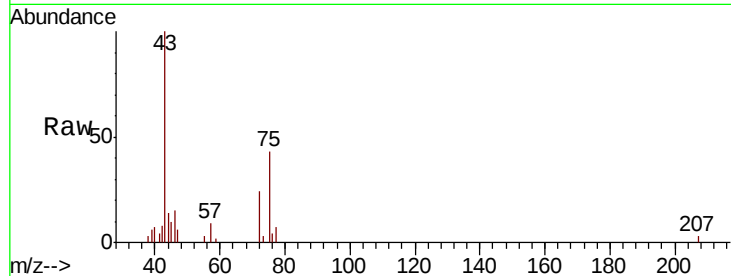
ClientSampleId :

Tot Ion: 43 Resp: 8507

Ion Ratio Lower Upper

43 100

72 12.7 15.3 45.8#



#23

Bromochloromethane

Concen: 2.271 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Tgt Ion:128 Resp: 3292

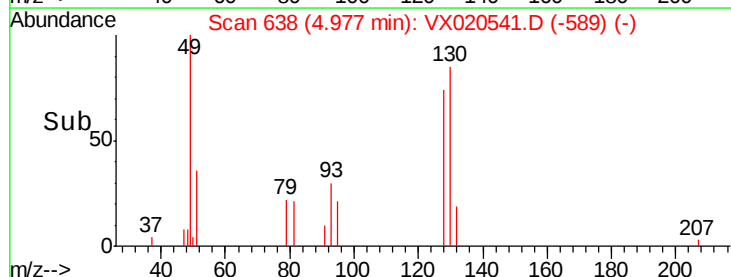
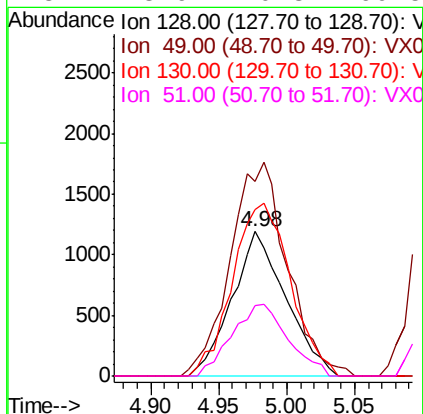
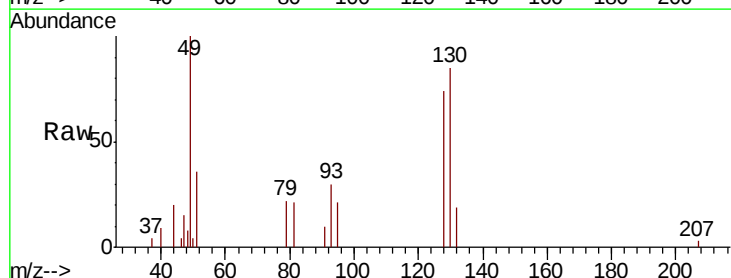
Ion Ratio Lower Upper

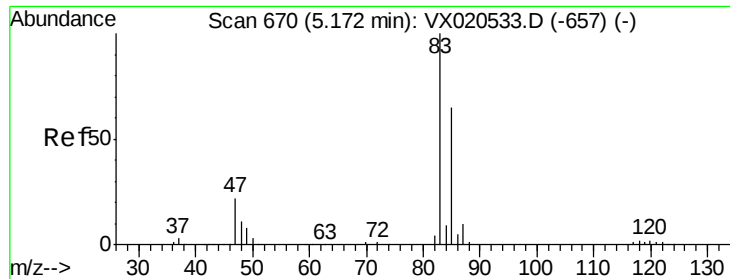
128 100

49 134.7 107.5 199.7

130 114.8 91.1 169.3

51 48.9 40.3 60.5

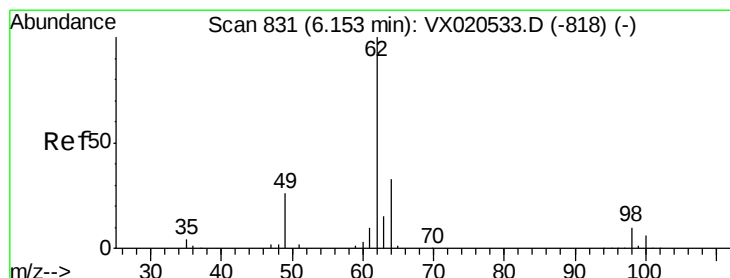
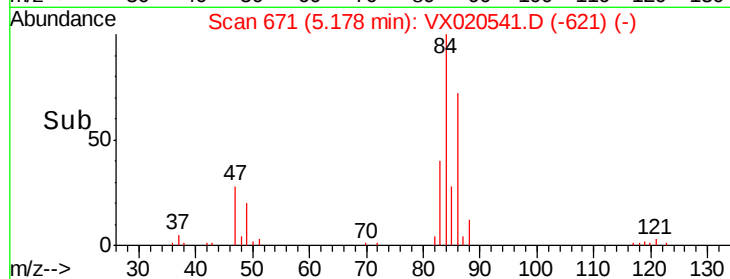
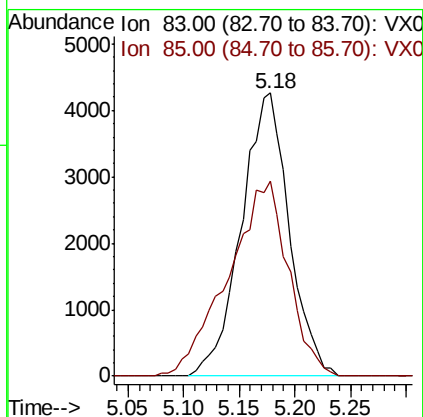
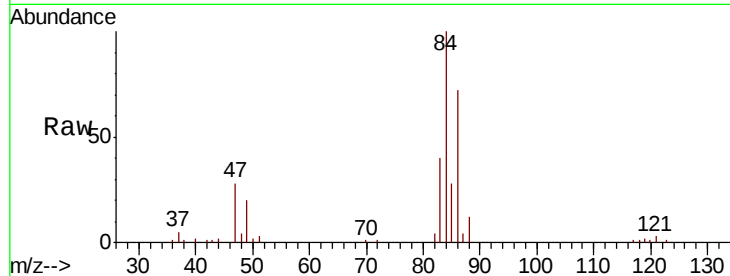




#25
Chloroform
Concen: 2.520 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

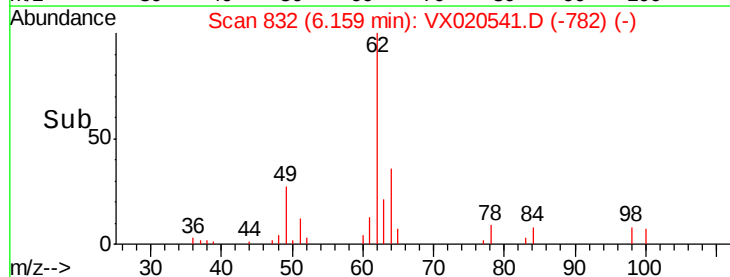
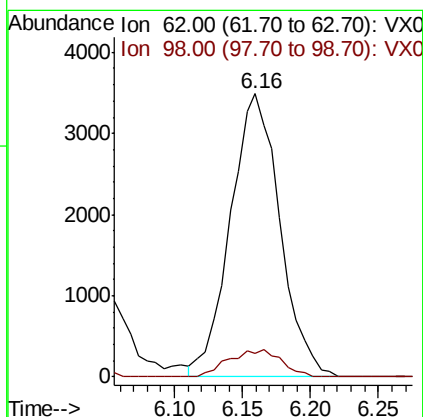
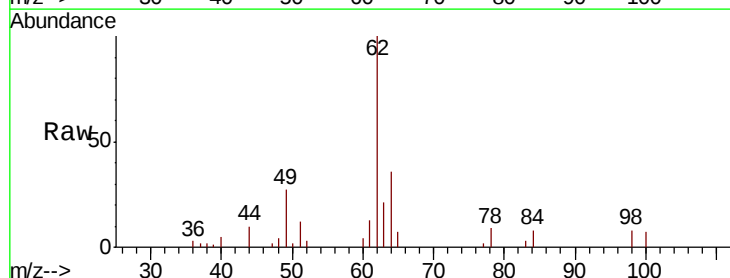
Instrument :
MSVOA_X
ClientSampleID :

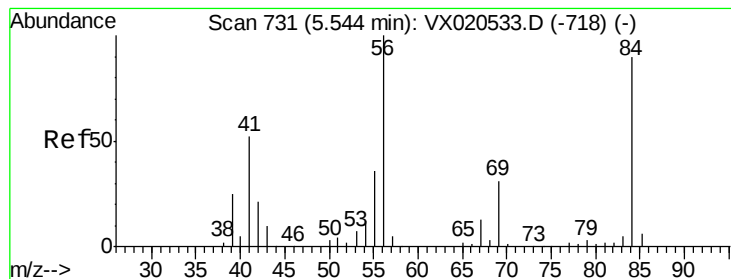
Tot Ion: 83 Resp: 12754
Ion Ratio Lower Upper
83 100
85 69.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 2.381 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Tgt Ion: 62 Resp: 8885
Ion Ratio Lower Upper
62 100
98 8.5 7.9 11.9





#29

Cyclohexane

Concen: 2.081 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

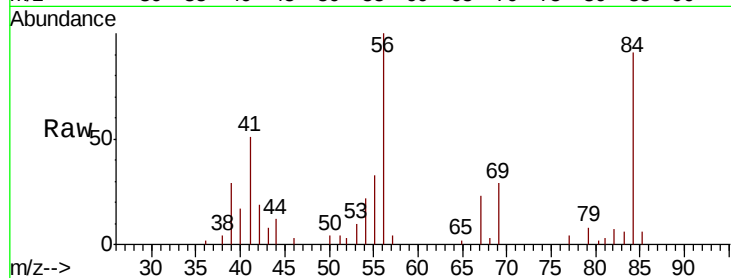
Tot Ion: 56 Resp: 8205

Ion Ratio Lower Upper

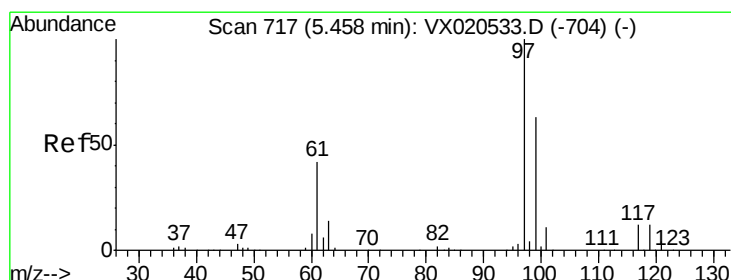
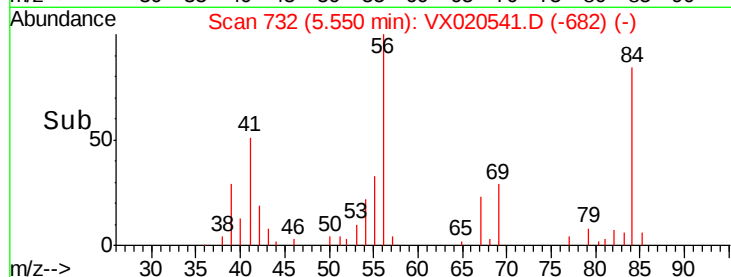
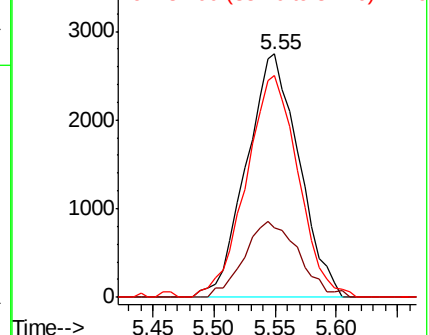
56 100

69 32.0 25.7 38.5

84 90.1 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: 2.372 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

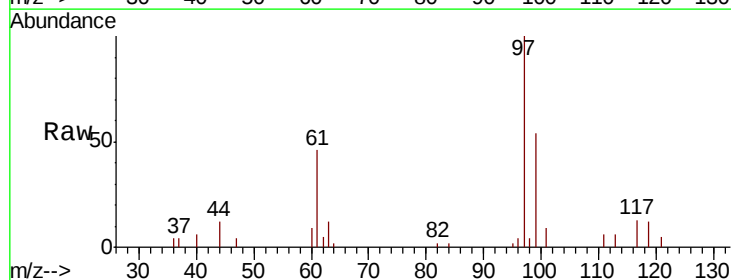
Tgt Ion: 97 Resp: 9694

Ion Ratio Lower Upper

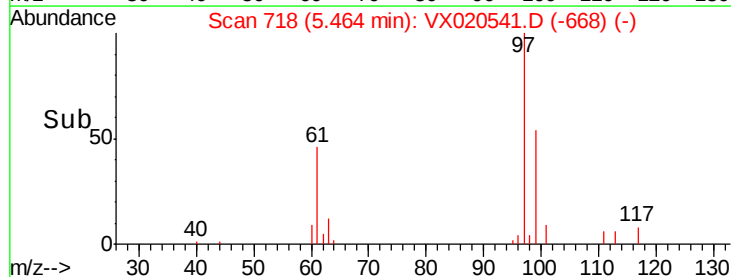
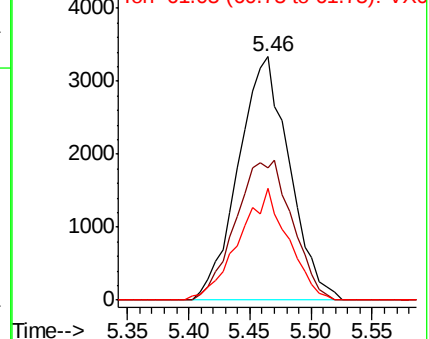
97 100

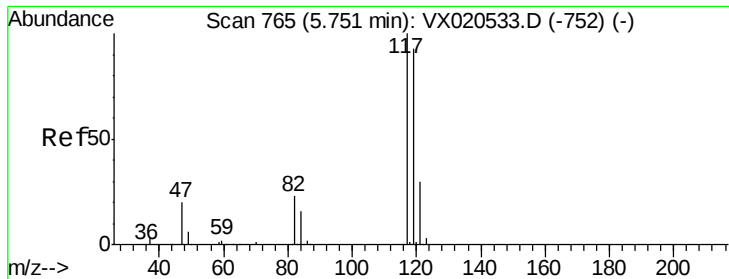
99 38.4 52.1 78.1#

61 44.1 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



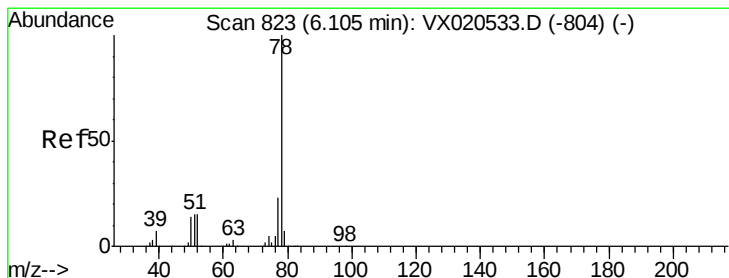
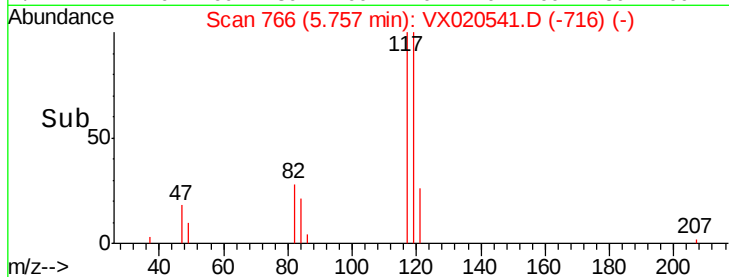
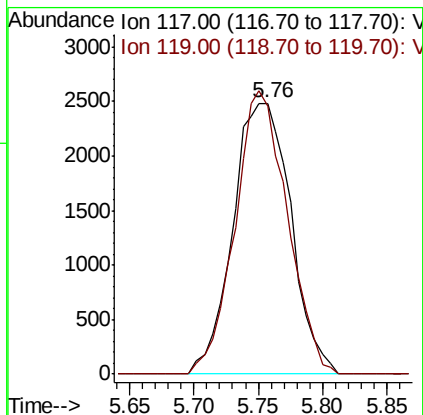
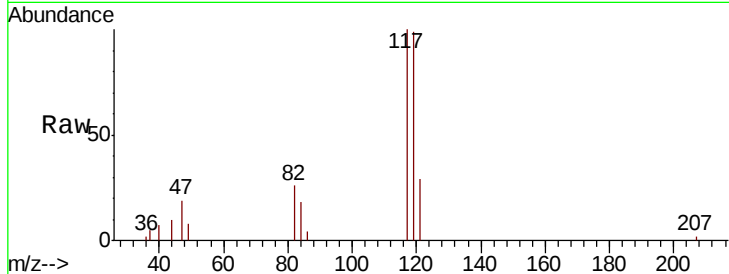


#31

Carbon tetrachloride
Concen: 2.246 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Instrument :
MSVOA_X
ClientSampled :

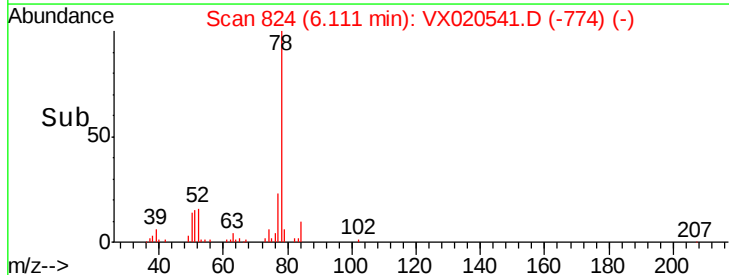
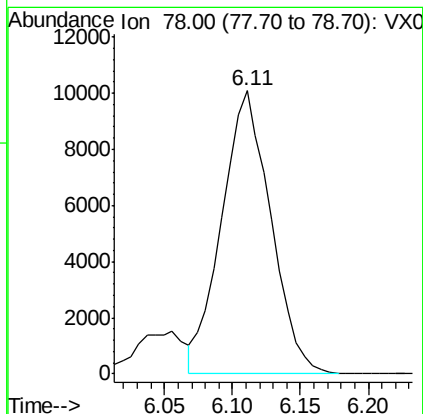
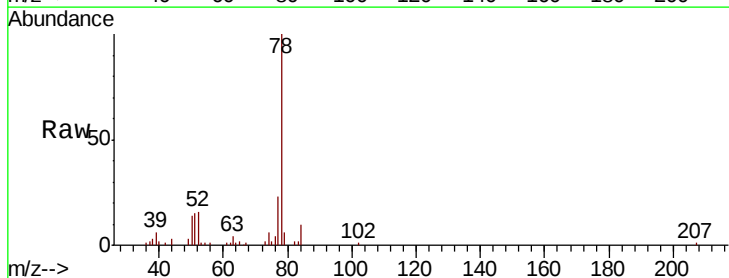
Tot Ion:117 Resp: 7762
Ion Ratio Lower Upper
117 100
119 94.6 77.5 116.3

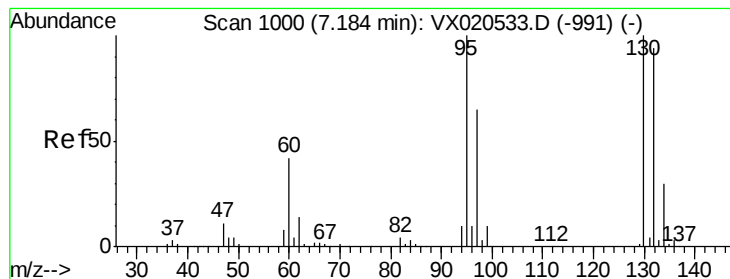


#33

Benzene
Concen: 2.399 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Tgt Ion: 78 Resp: 25358





#34

Trichloroethene

Concen: 2.417 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 6506

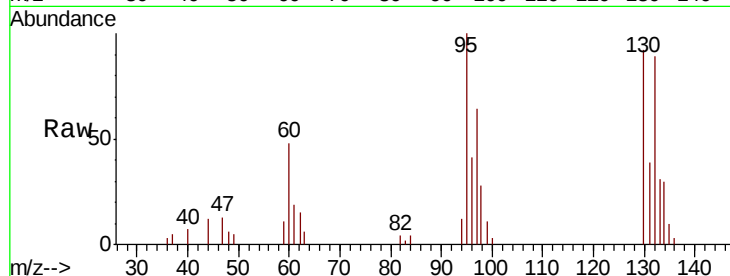
Ion Ratio Lower Upper

95 100

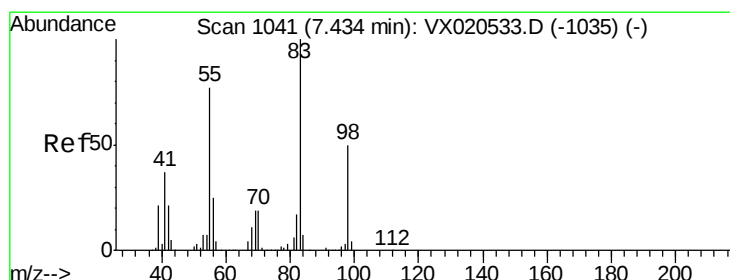
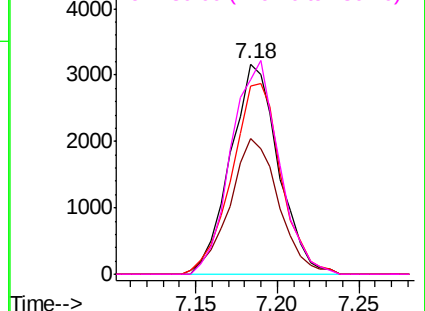
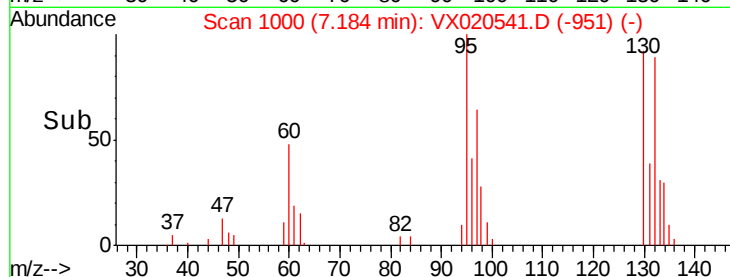
97 64.3 44.5 82.7

132 89.2 65.2 121.0

130 92.5 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: 2.038 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

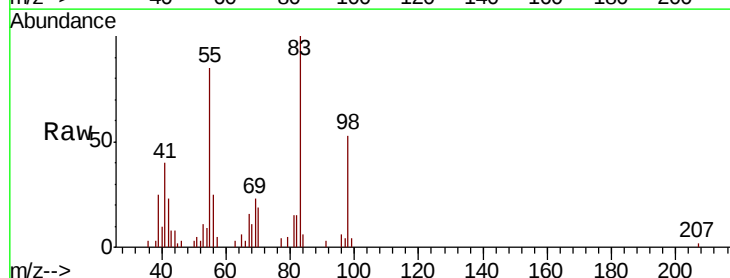
Tgt Ion: 83 Resp: 8247

Ion Ratio Lower Upper

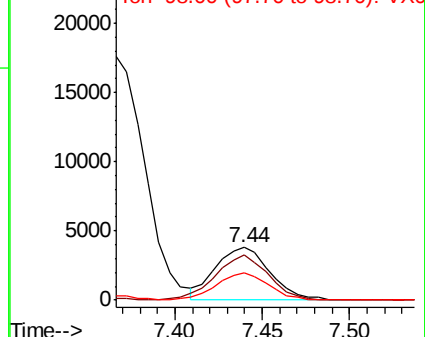
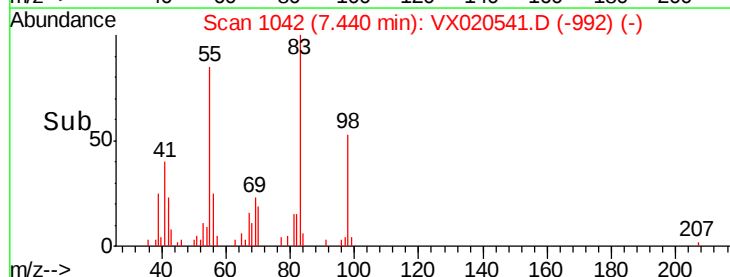
83 100

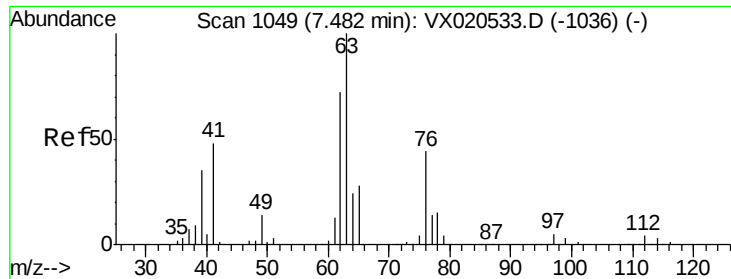
55 82.9 61.2 91.8

98 49.9 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

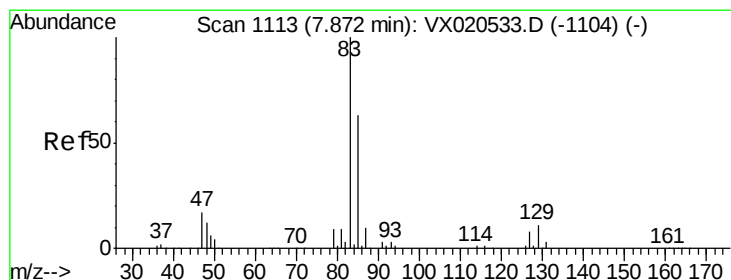
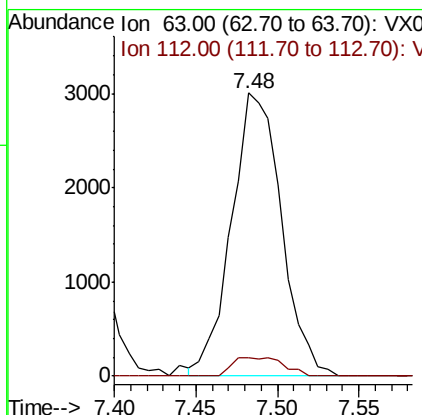
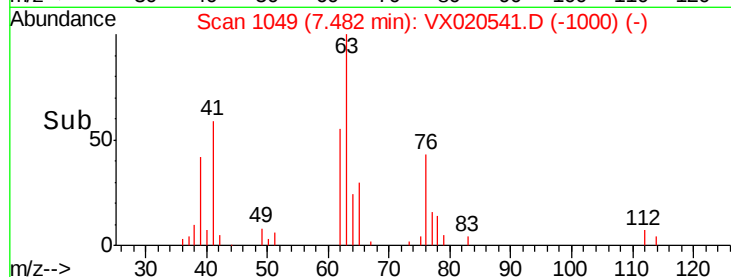
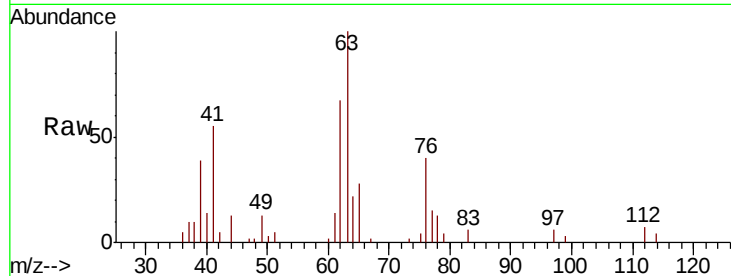




#37
 1,2-Dichloropropane
 Concen: 2.384 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

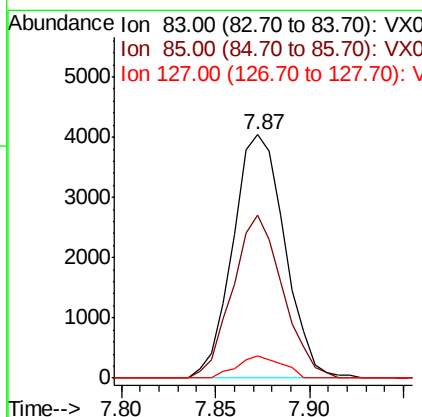
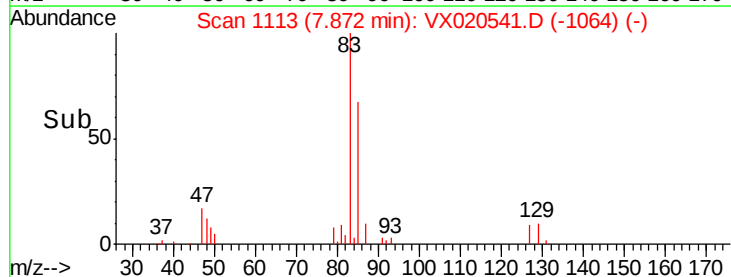
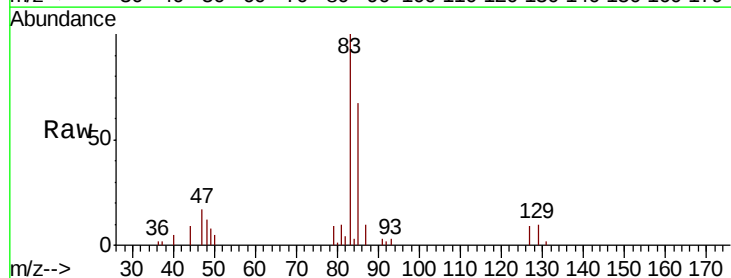
Instrument :
 MSVOA_X
 ClientSampleId :

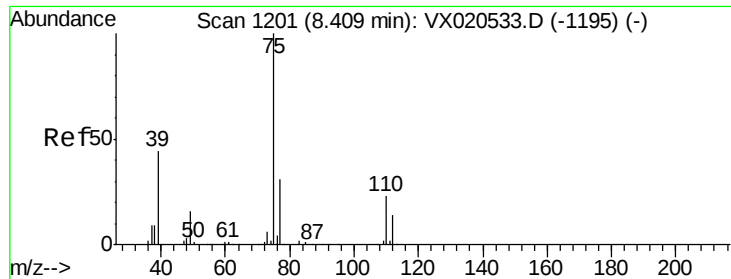
Tot Ion: 63 Resp: 6393
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 2.240 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Tgt Ion: 83 Resp: 7711
 Ion Ratio Lower Upper
 83 100
 85 66.9 45.1 83.7
 127 9.3 6.6 10.0



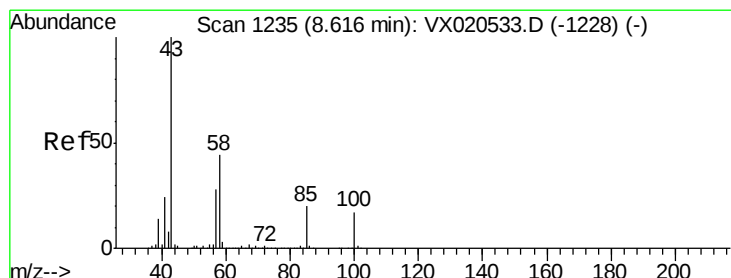
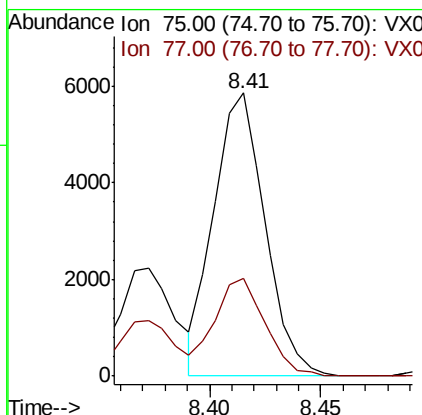
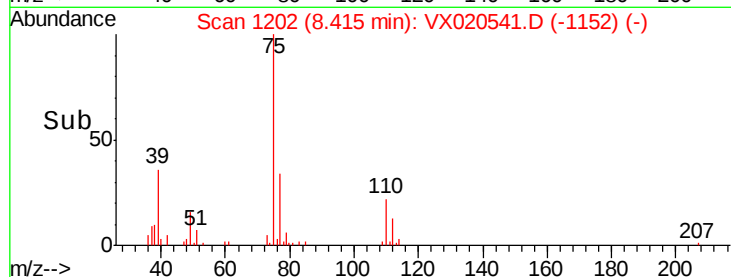
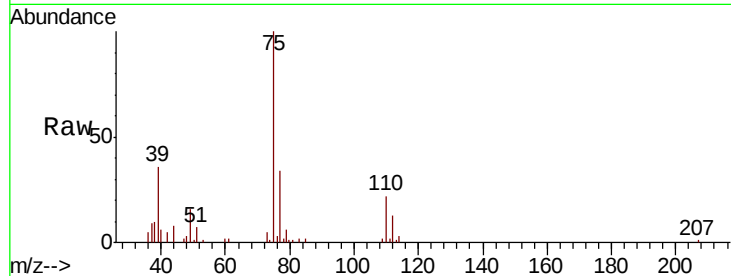


#39

cis-1,3-Dichloropropene
 Concen: 2.322 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Instrument :
 MSVOA_X
 ClientSampled :

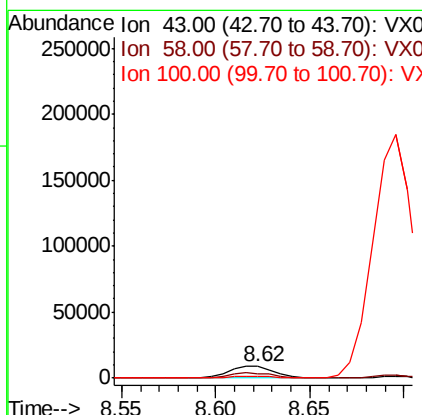
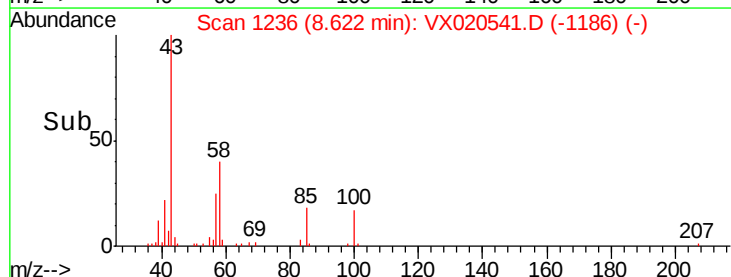
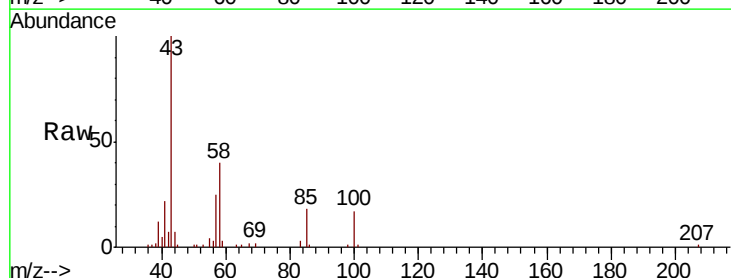
Tot Ion: 75 Resp: 9362
 Ion Ratio Lower Upper
 75 100
 77 34.4 22.7 42.3

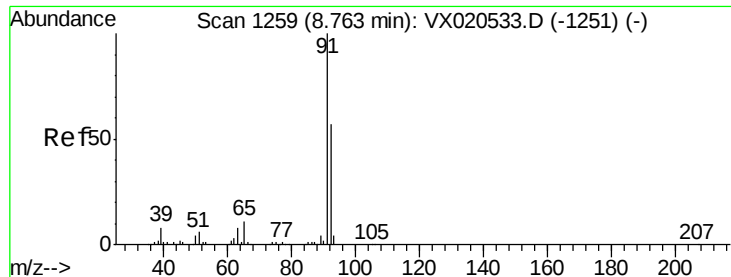


#40

4-Methyl-2-pentanone
 Concen: 4.290 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Tgt Ion: 43 Resp: 15111
 Ion Ratio Lower Upper
 43 100
 58 42.6 35.0 52.4
 100 16.3 14.2 21.4





#42

Toluene

Concen: 2.353 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

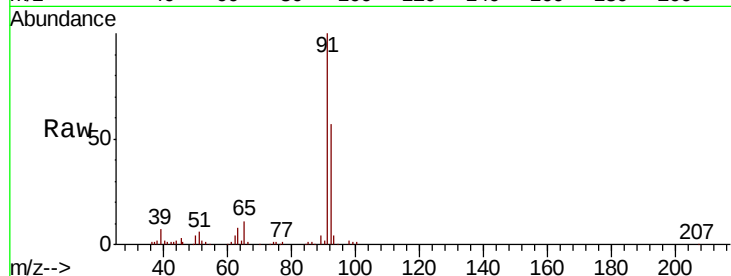
ClientSampled :

Tot Ion: 91 Resp: 26053

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

20000

15000

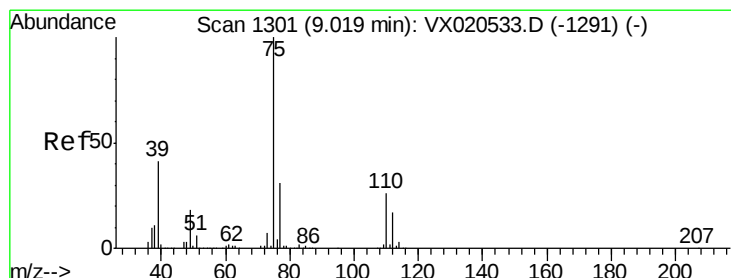
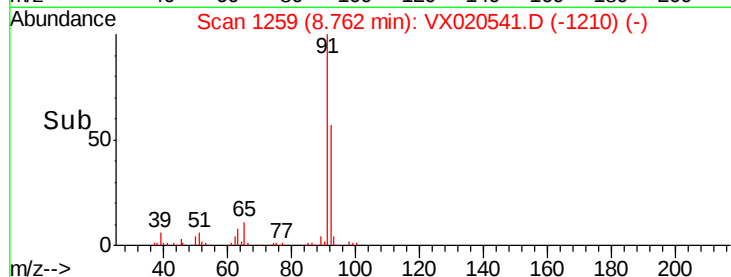
10000

5000

0

8.70 8.75 8.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.429 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX020541.D

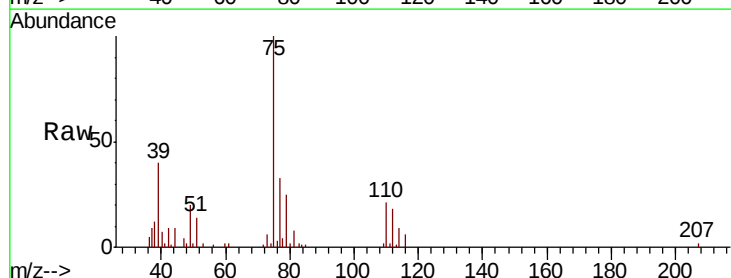
Acq: 08 Jan 2021 16:10

Tgt Ion: 75 Resp: 9560

Ion Ratio Lower Upper

75 100

77 32.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6000

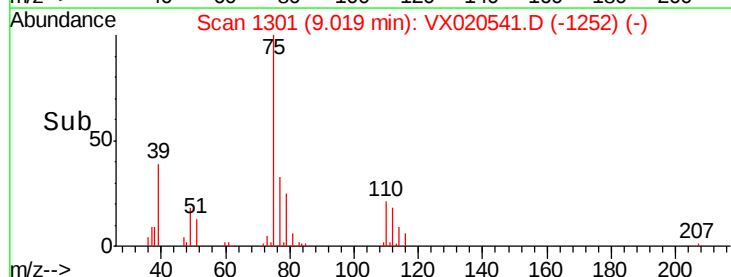
4000

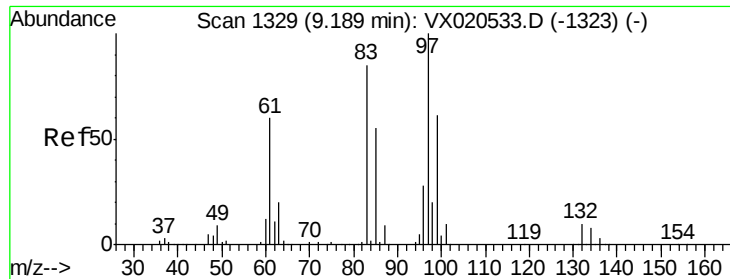
2000

0

9.00 9.05

Time-->

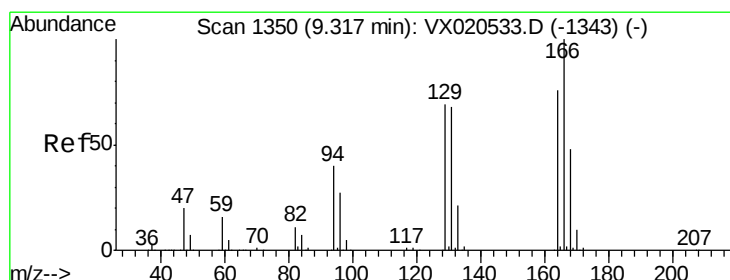
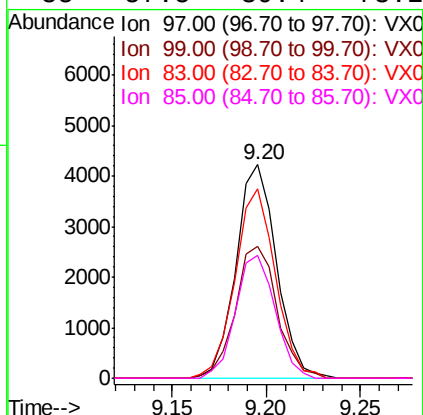
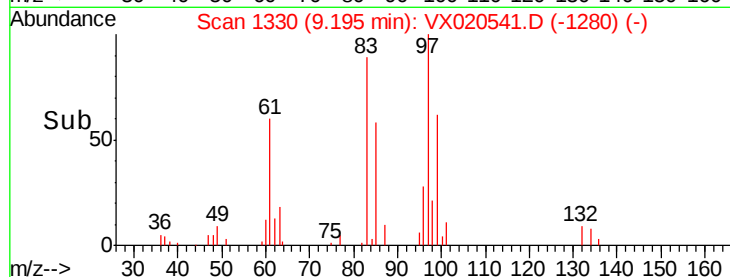
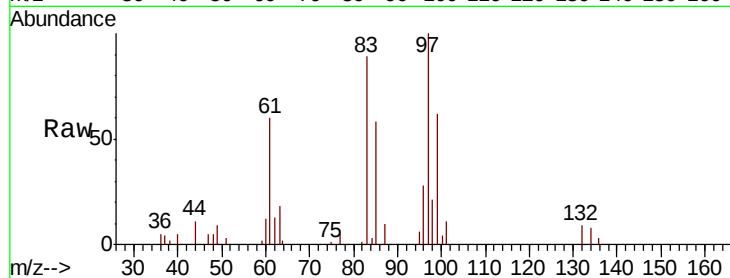




#45
1,1,2-Trichloroethane
Concen: 2.371 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

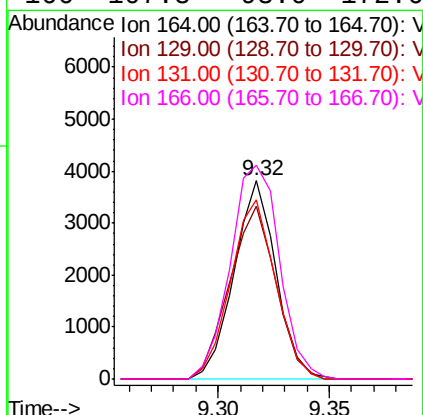
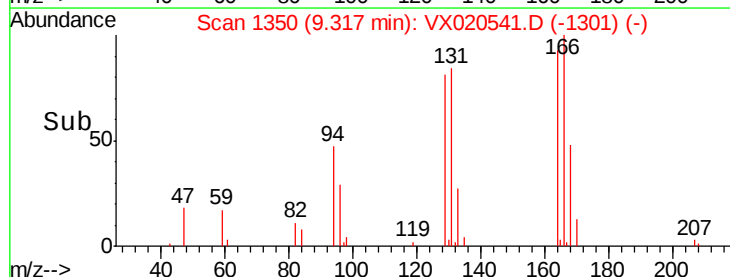
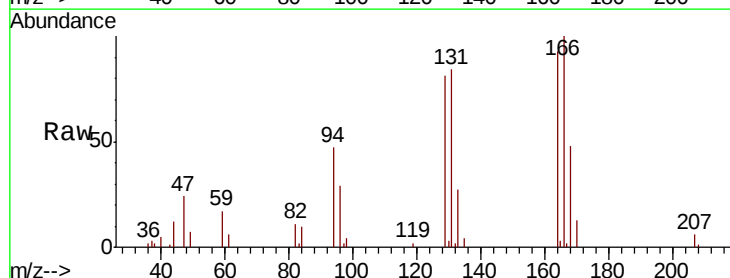
Instrument :
MSVOA_X
ClientSampled :

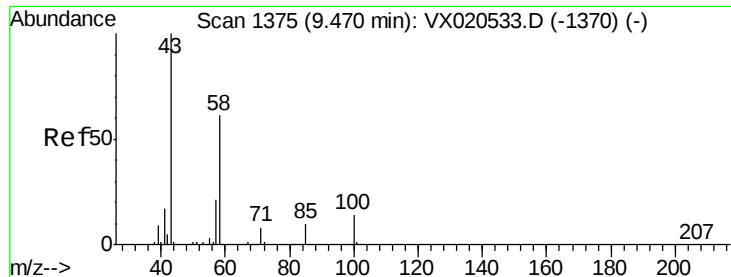
Tot Ion:	97	Resp:	6292
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.0	81.6
83	89.0	60.8	113.0
85	57.5	39.4	73.2



#46
Tetrachloroethene
Concen: 2.413 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Tgt Ion:	164	Resp:	5034
Ion	Ratio	Lower	Upper
164	100		
129	87.5	65.6	121.8
131	90.5	63.7	118.3
166	107.8	93.0	172.6

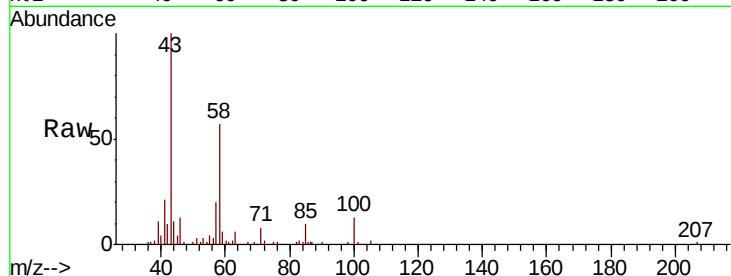




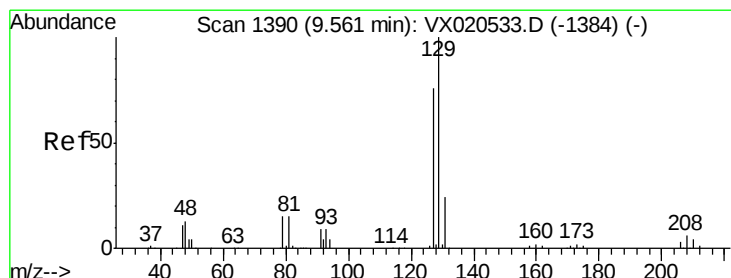
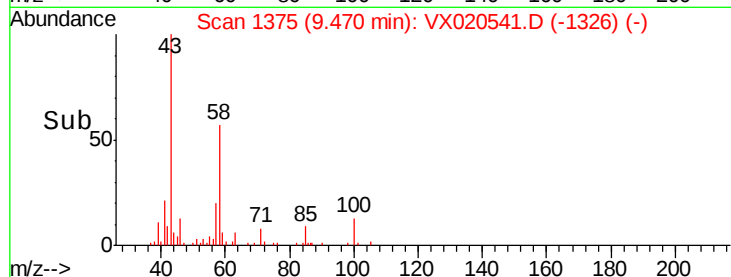
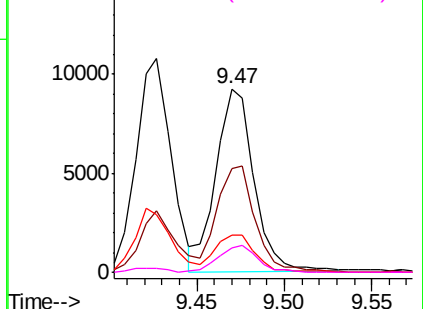
#48
2-Hexanone
Concen: 5.011 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 13948
Ion Ratio Lower Upper
43 100
58 58.5 50.1 75.1
57 20.0 17.3 25.9
100 14.2 11.4 17.2

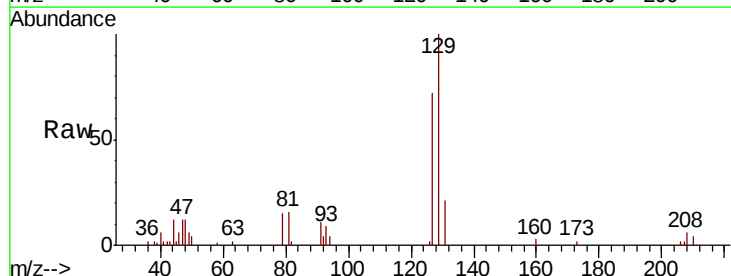


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

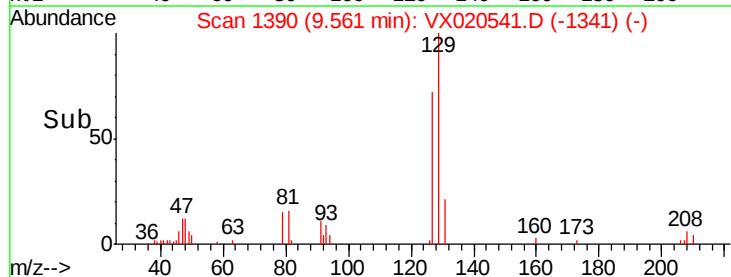
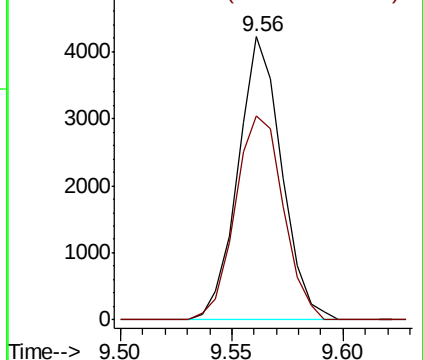


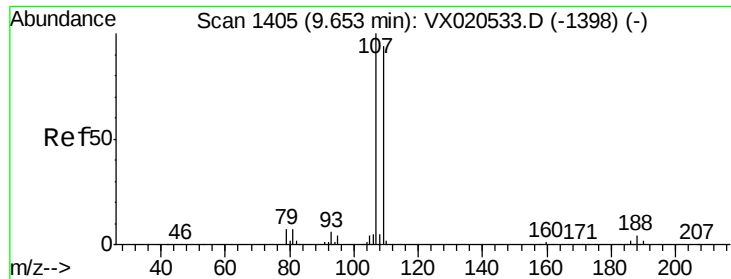
#49
Dibromochloromethane
Concen: 2.122 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020541.D
Acq: 08 Jan 2021 16:10

Tgt Ion: 129 Resp: 5774
Ion Ratio Lower Upper
129 100
127 72.1 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: 2.332 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

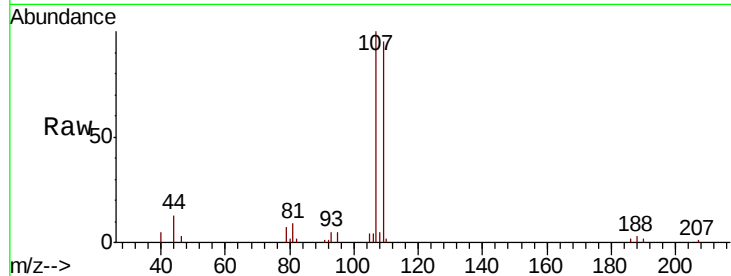
Tot Ion:107 Resp: 6410

Ion Ratio Lower Upper

107 100

109 94.7 66.4 123.4

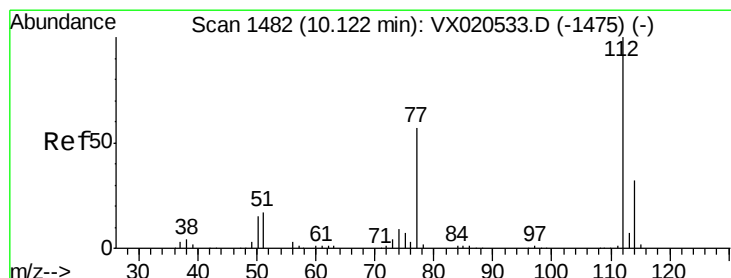
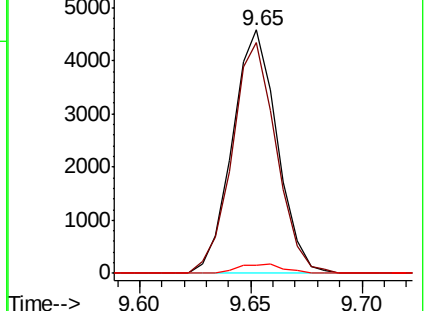
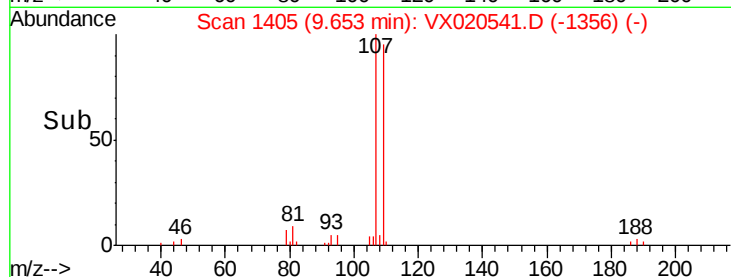
188 3.3 3.2 4.8



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: 2.353 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

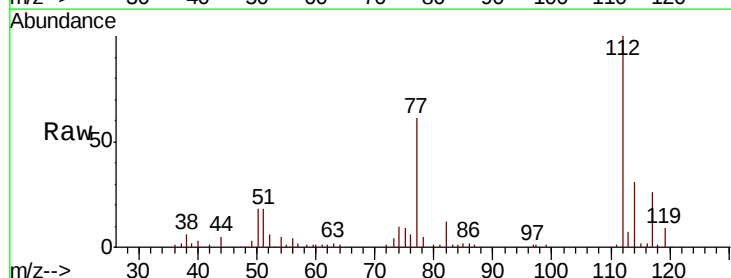
Tgt Ion:112 Resp: 16495

Ion Ratio Lower Upper

112 100

114 31.4 23.2 43.2

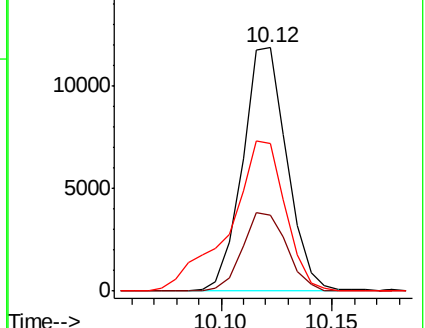
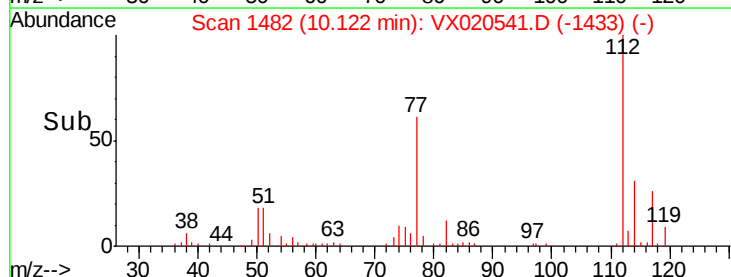
77 60.6 48.4 72.6

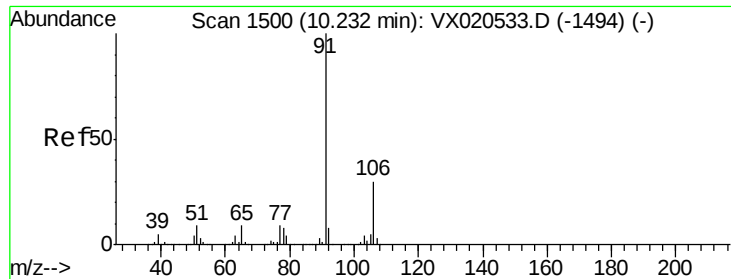


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VX0





#52

Ethylbenzene

Concen: 2.041 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

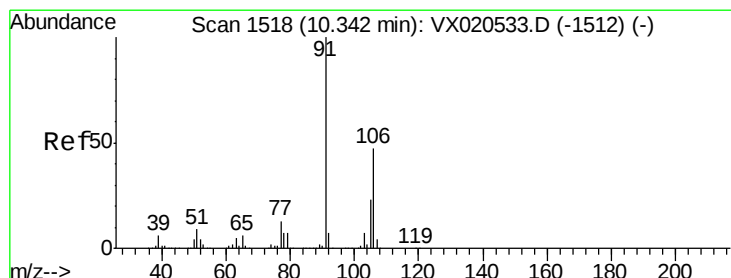
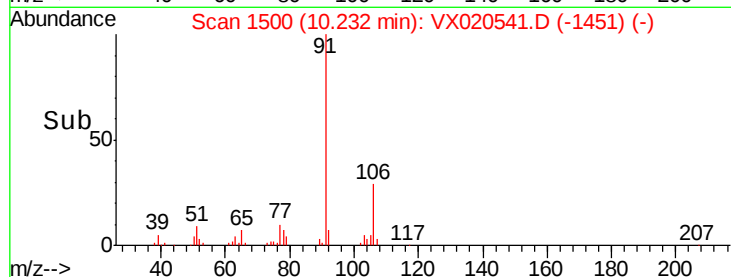
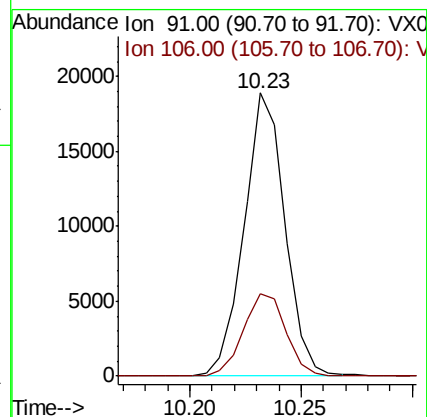
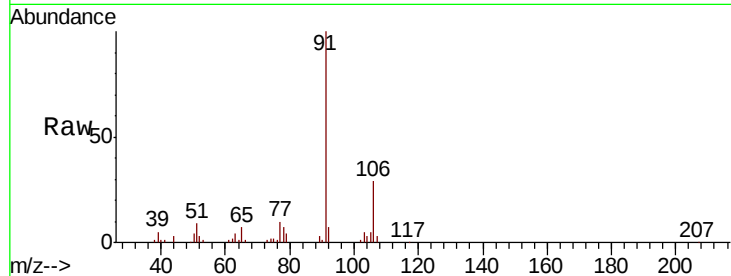
ClientSampleId :

Tot Ion: 91 Resp: 24164

Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0



#53

m,p-Xylene

Concen: 2.049 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020541.D

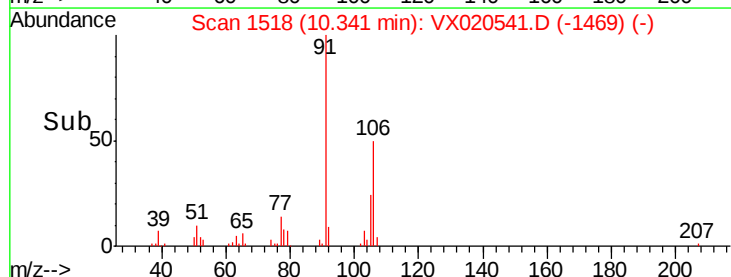
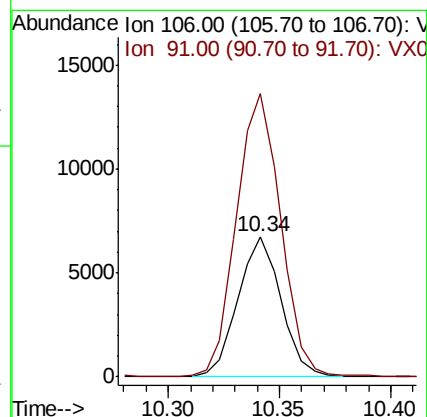
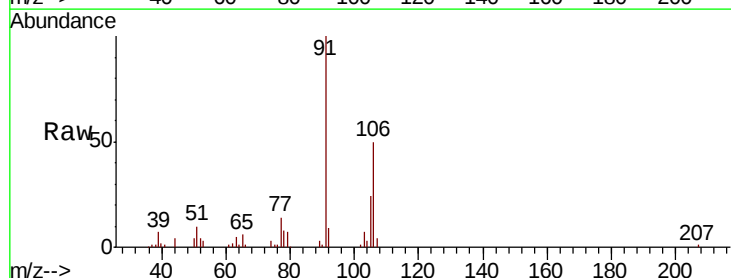
Acq: 08 Jan 2021 16:10

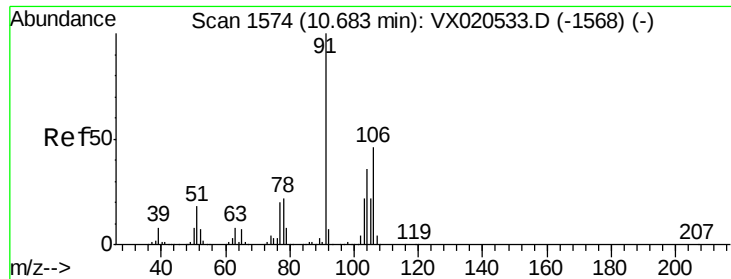
Tgt Ion: 106 Resp: 9062

Ion Ratio Lower Upper

106 100

91 201.3 142.5 264.6





#54

o-Xylene

Concen: 1.966 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

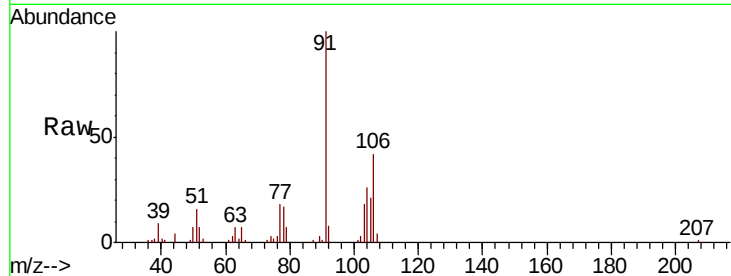
ClientSampleId :

Tot Ion:106 Resp: 8438

Ion Ratio Lower Upper

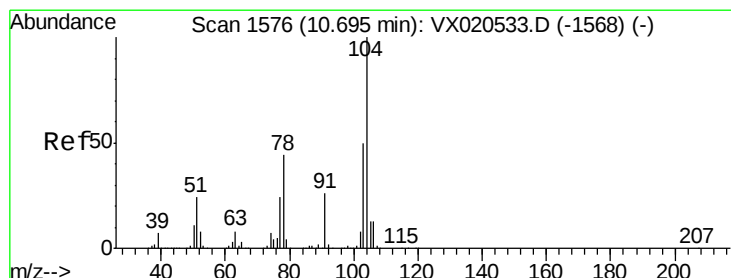
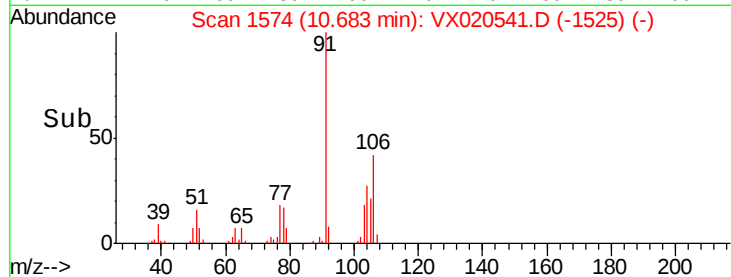
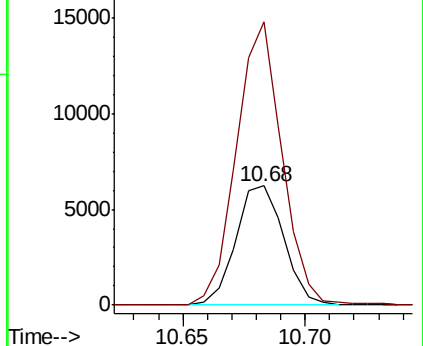
106 100

91 237.1 156.2 290.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 1.839 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX020541.D

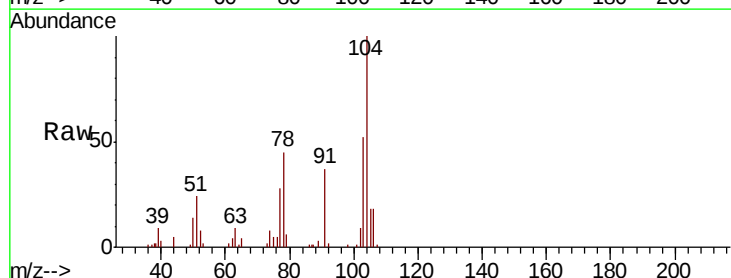
Acq: 08 Jan 2021 16:10

Tgt Ion:104 Resp: 13365

Ion Ratio Lower Upper

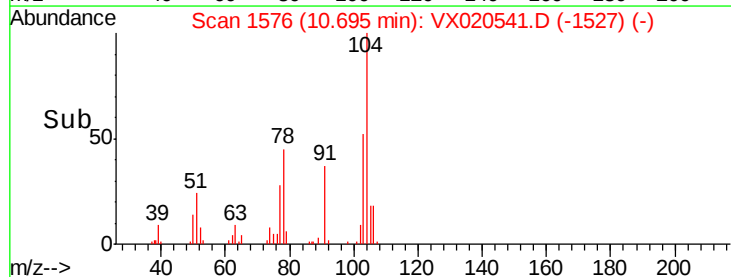
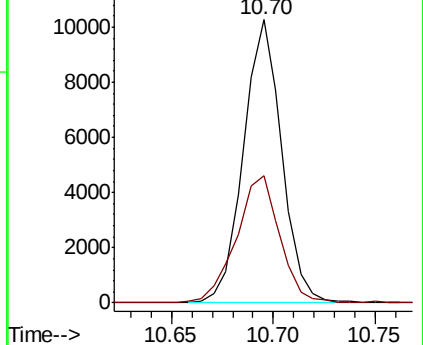
104 100

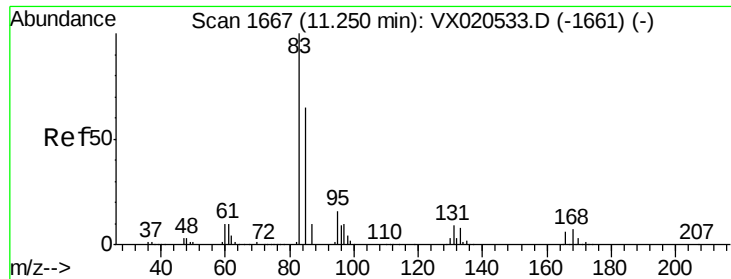
78 44.9 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

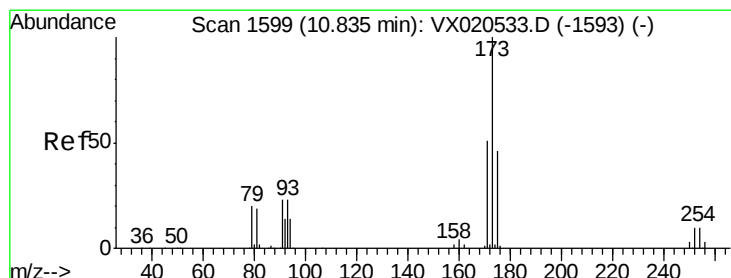
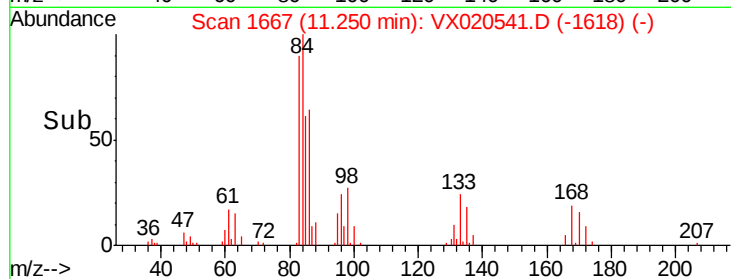
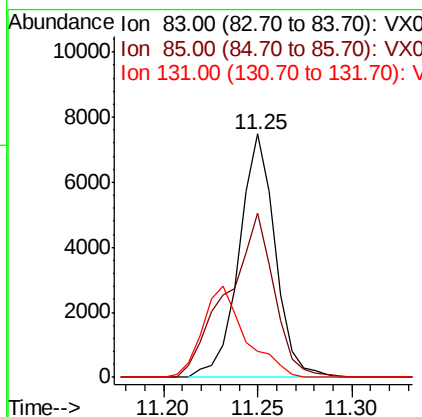
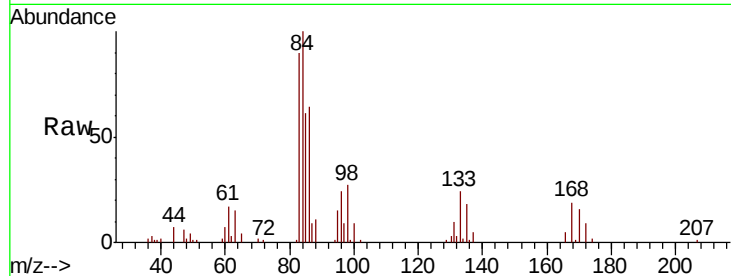




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.362 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

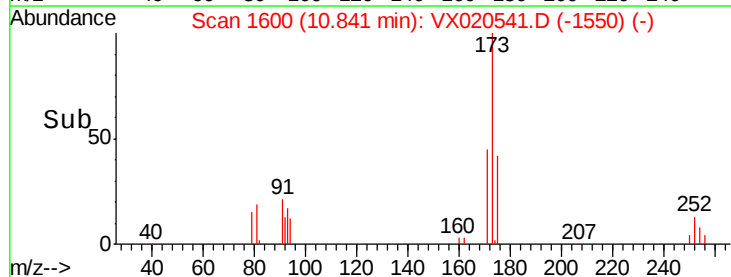
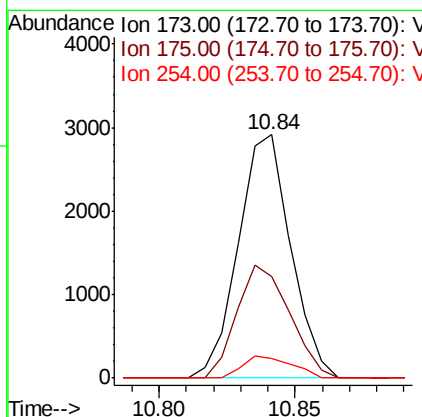
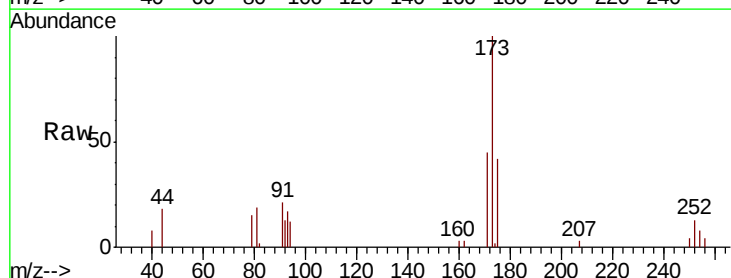
Instrument :
 MSVOA_X
 ClientSampleId :

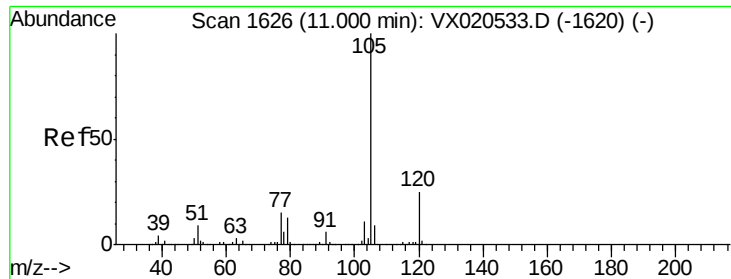
Tot Ion: 83 Resp: 9947
 Ion Ratio Lower Upper
 83 100
 85 67.5 44.7 82.9
 131 10.9 7.8 11.8



#59
 Bromoform
 Concen: 2.265 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Tgt Ion: 173 Resp: 3900
 Ion Ratio Lower Upper
 173 100
 175 46.7 39.4 59.2
 254 8.5 8.6 13.0#





#60

Isopropylbenzene

Concen: 2.181 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

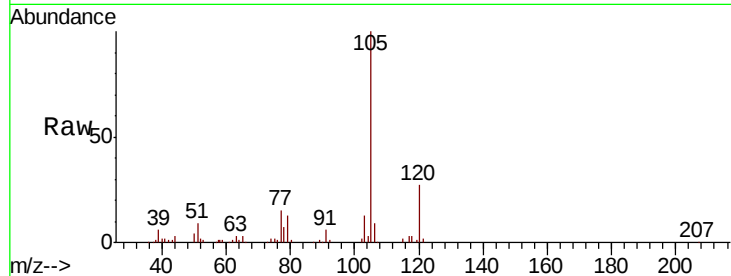
Tot Ion:105 Resp: 21202

Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

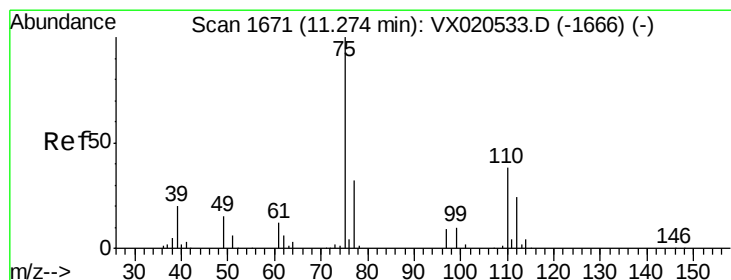
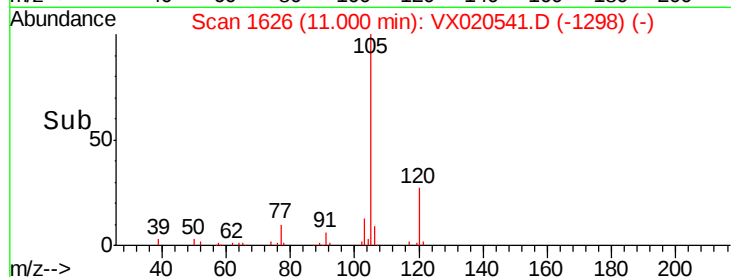
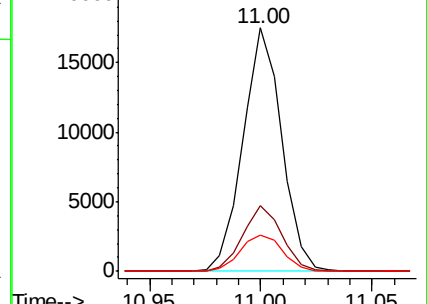
77 16.2 12.6 18.8



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: 2.562 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

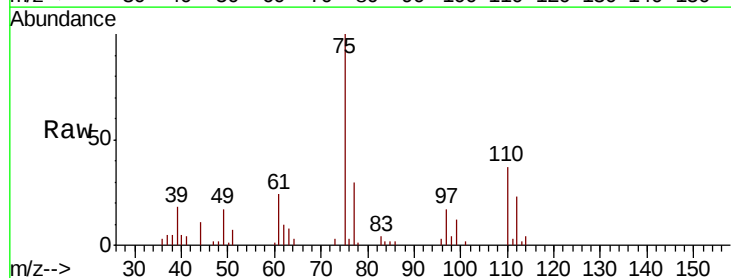
Tgt Ion: 75 Resp: 7704

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

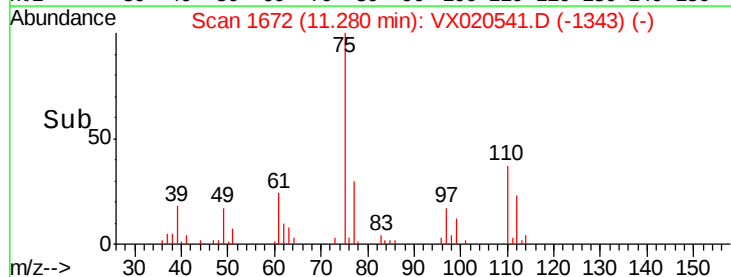
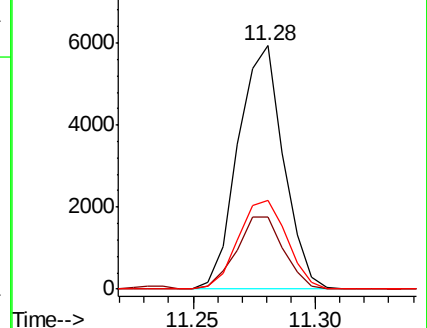
110 39.1 31.8 47.8

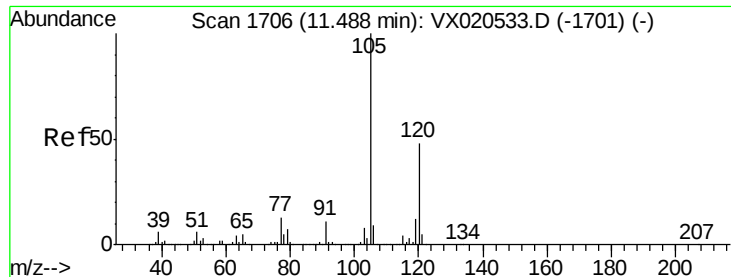


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.009 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

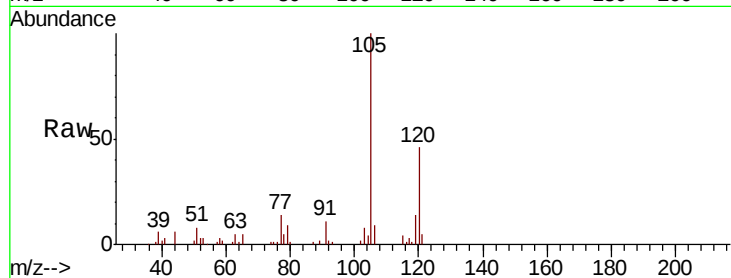
ClientSampled :

Tot Ion:105 Resp: 15928

Ion Ratio Lower Upper

105 100

120 47.7 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

15000

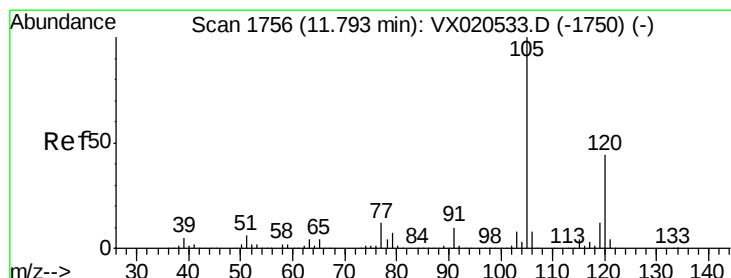
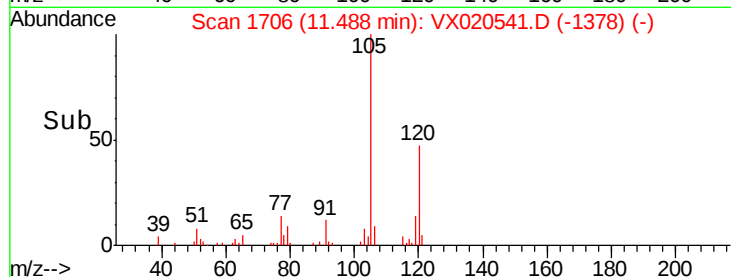
10000

5000

0

Time-->

11.45 11.50



#63

1,2,4-Trimethylbenzene

Concen: 1.789 ug/L

RT: 11.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VX020541.D

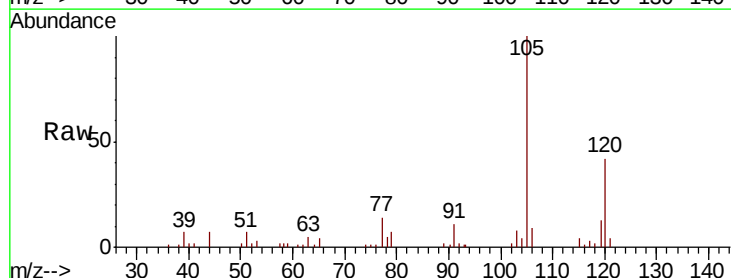
Acq: 08 Jan 2021 16:10

Tgt Ion:105 Resp: 14318

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

11.79

12000

10000

8000

6000

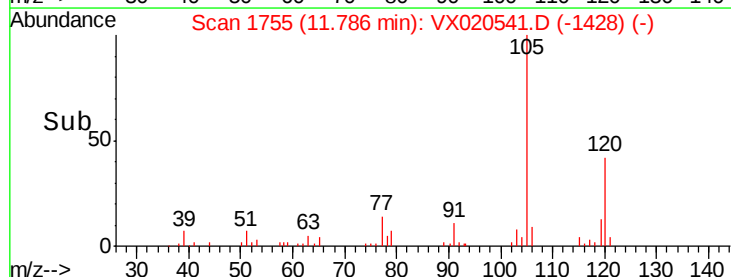
4000

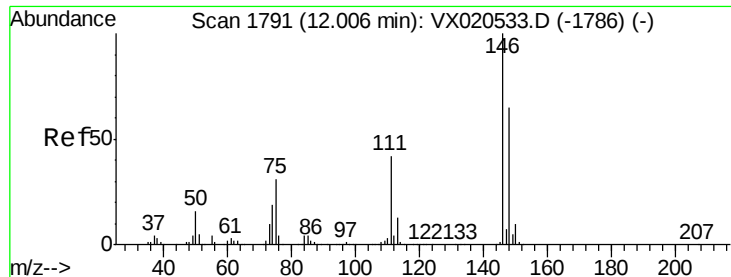
2000

0

Time-->

11.75 11.80





#64

1,3-Dichlorobenzene

Concen: 2.296 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

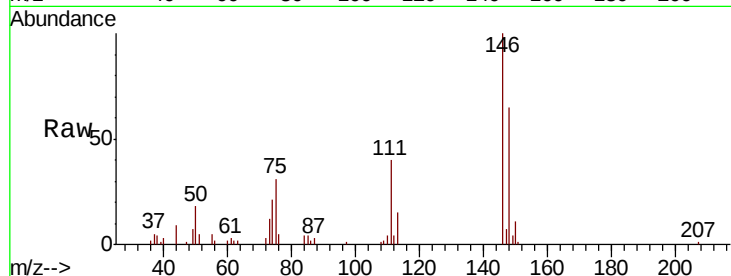
Tot Ion:146 Resp: 10413

Ion Ratio Lower Upper

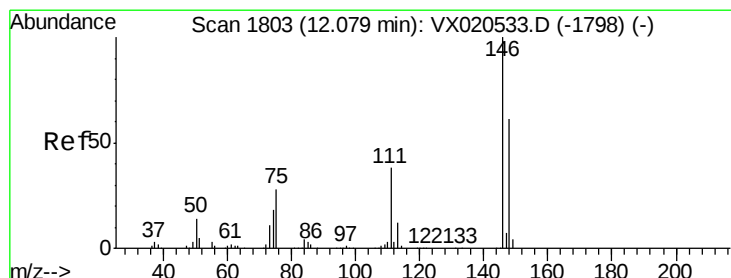
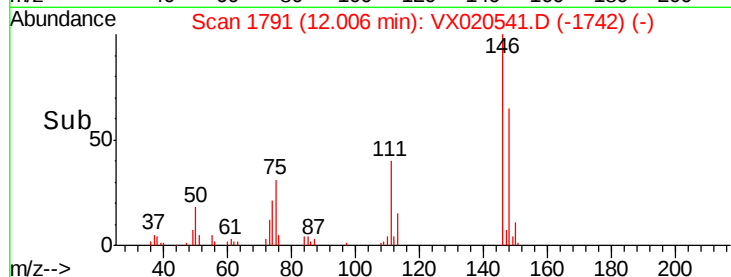
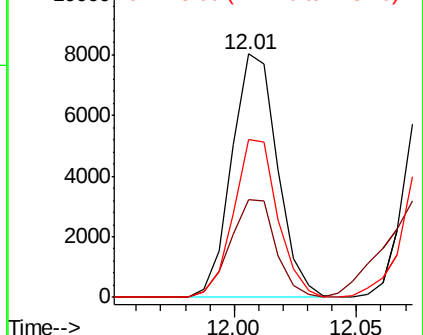
146 100

111 40.0 28.9 53.7

148 64.8 47.7 88.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 2.364 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

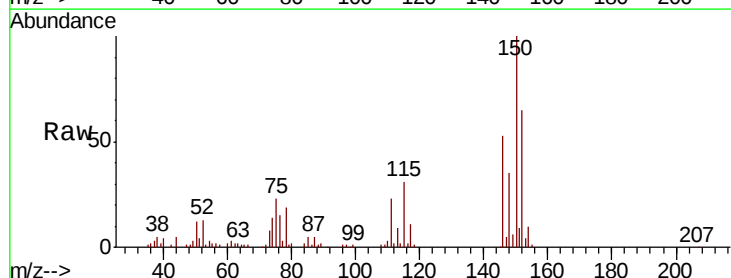
Tgt Ion:146 Resp: 10832

Ion Ratio Lower Upper

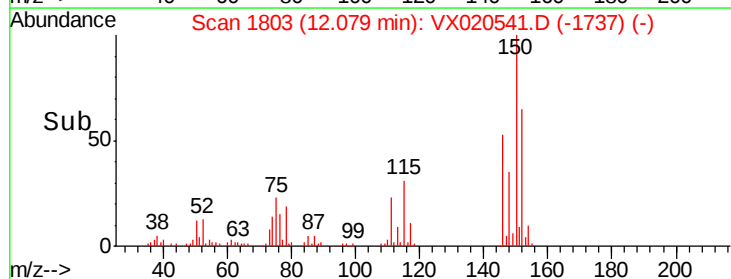
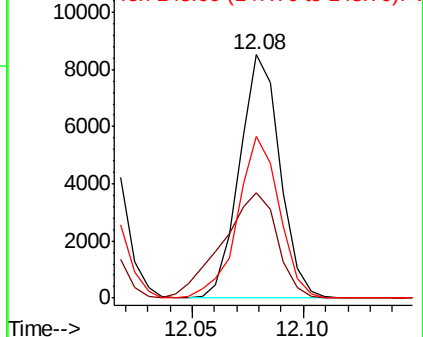
146 100

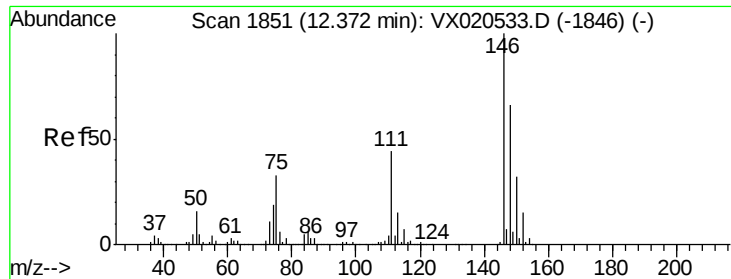
111 43.4 28.7 53.3

148 66.7 45.8 85.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.492 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

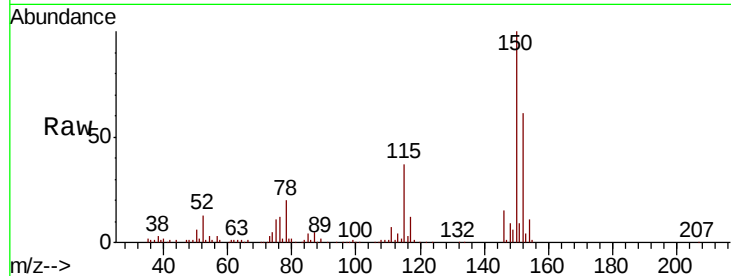
Tot Ion:146 Resp: 11268

Ion Ratio Lower Upper

146 100

111 50.6 33.8 50.8

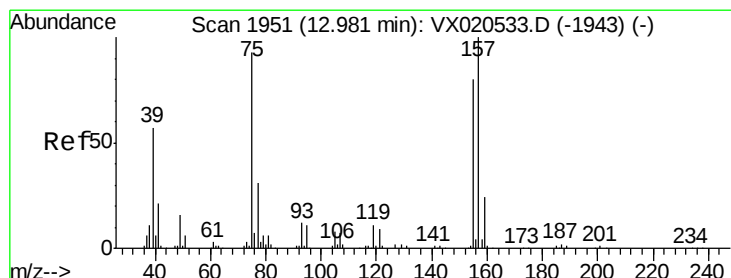
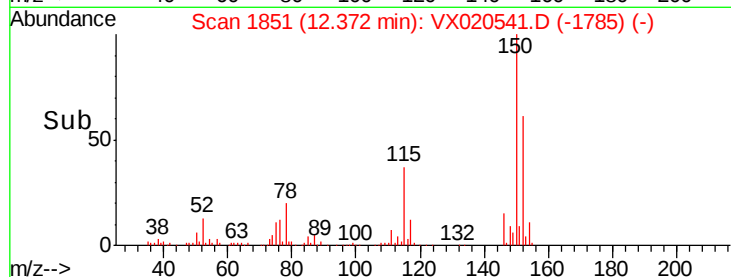
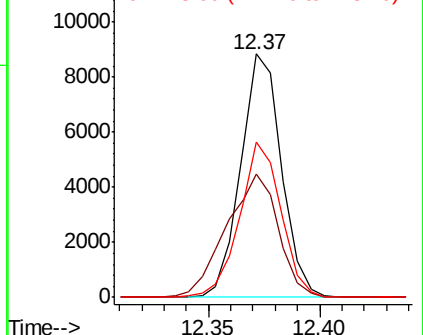
148 64.0 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 2.219 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

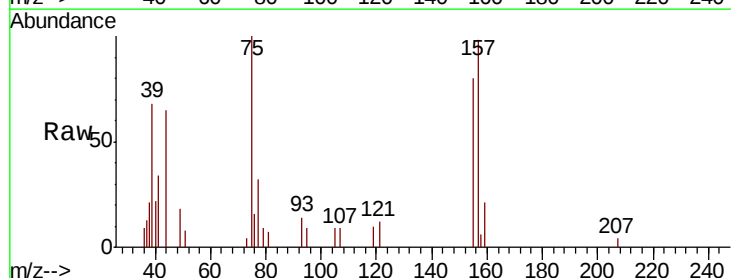
Tgt Ion: 75 Resp: 1688

Ion Ratio Lower Upper

75 100

155 79.7 65.3 97.9

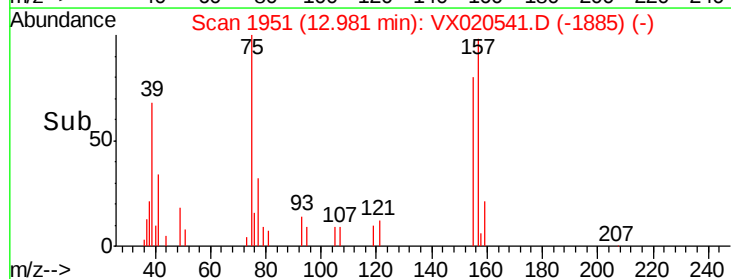
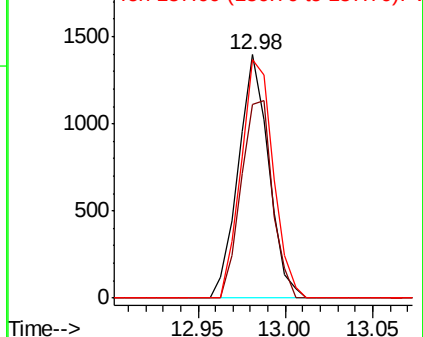
157 97.9 80.5 120.7

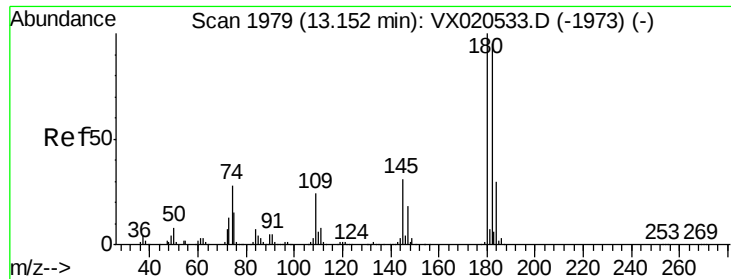


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

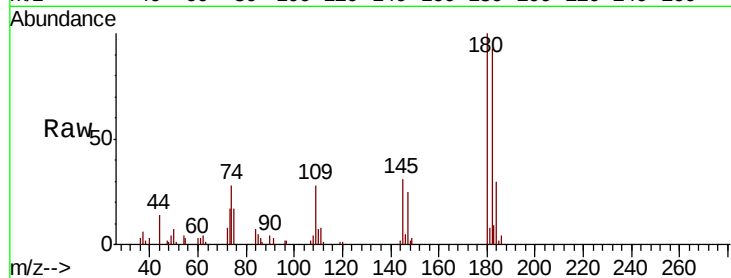




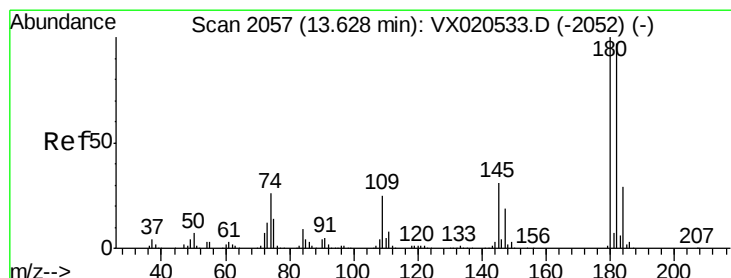
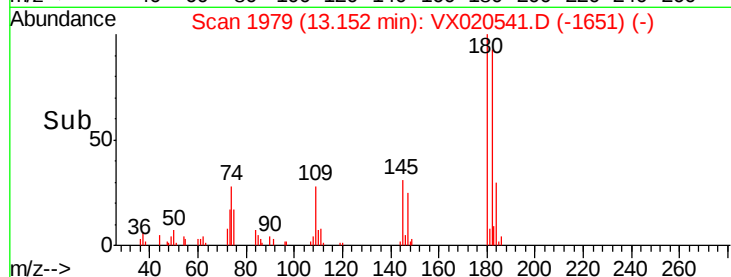
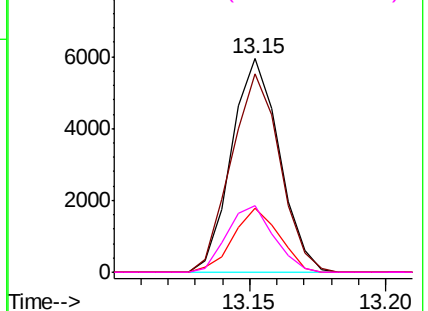
#69
 1,3,5-Trichlorobenzene
 Concen: 2.338 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180	Resp:	7280	
Ion Ratio	Lower	Upper	
180 100			
182 94.3	74.8	112.2	
184 28.6	24.1	36.1	
145 30.7	23.7	35.5	

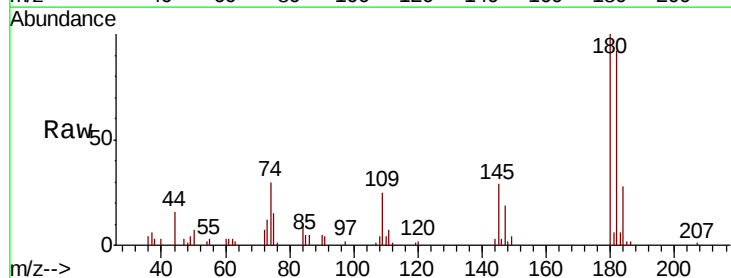


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

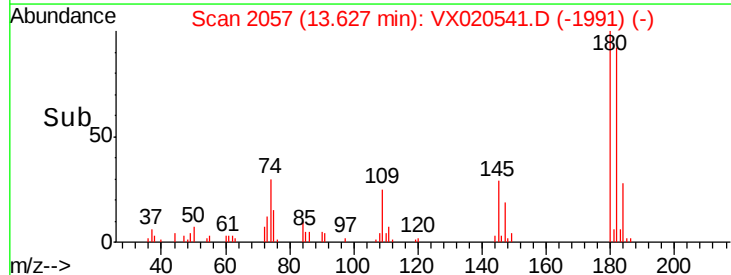
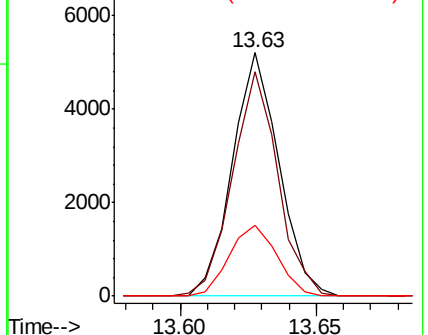


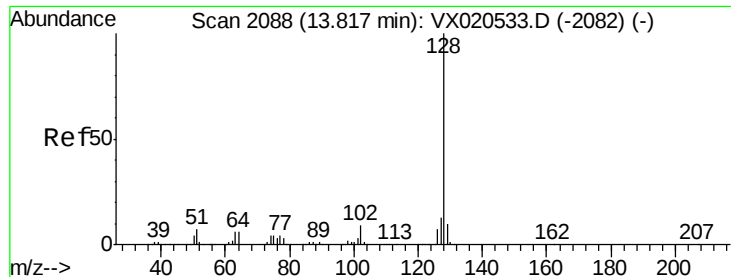
#70
 1,2,4-trichlorobenzene
 Concen: 2.305 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020541.D
 Acq: 08 Jan 2021 16:10

Tgt Ion	180	Resp: Lower	6180 Upper
180	100		
182	89.6	74.3	111.5
145	29.9	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: 1.643 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

Instrument :

MSVOA_X

ClientSampleId :

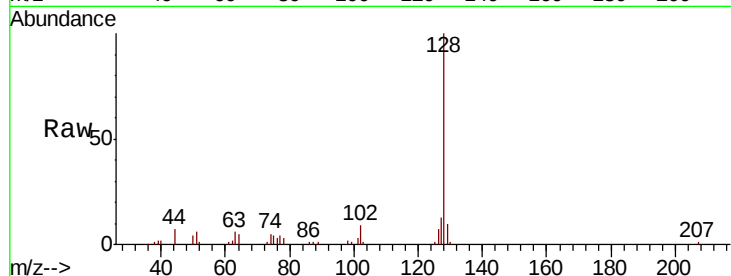
Tot Ion:128 Resp: 14552

Ion Ratio Lower Upper

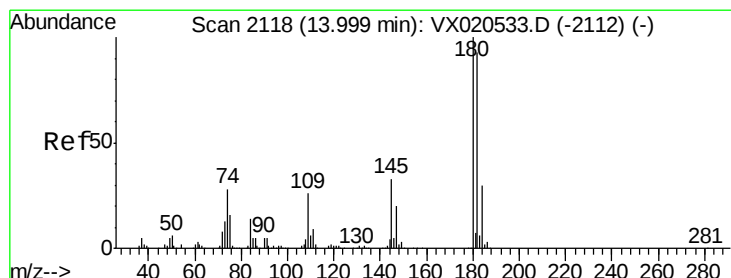
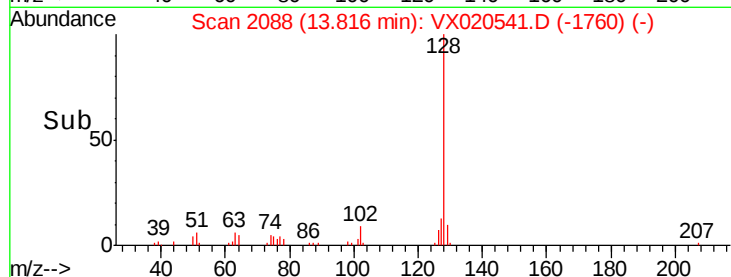
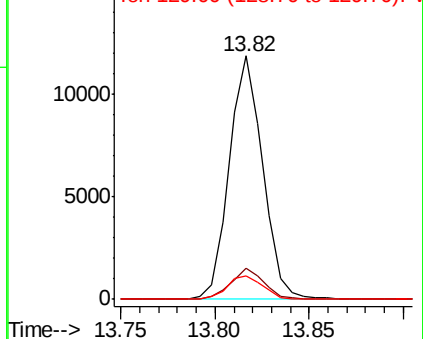
128 100

127 12.6 10.2 15.2

129 10.2 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: 2.206 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX020541.D

Acq: 08 Jan 2021 16:10

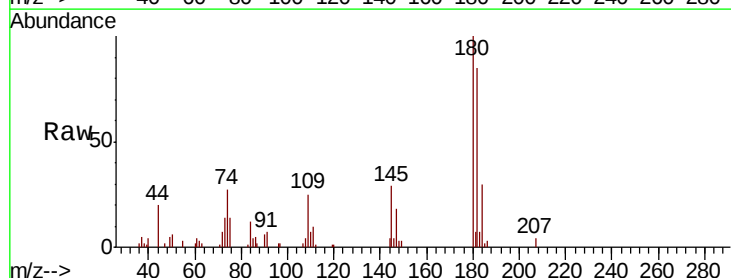
Tgt Ion:180 Resp: 6085

Ion Ratio Lower Upper

180 100

182 92.6 74.6 112.0

145 30.3 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

