

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021545.D
 Acq On : 26 Mar 2021 22:01
 Operator : JC/MD
 Sample : M1796-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 04:33:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

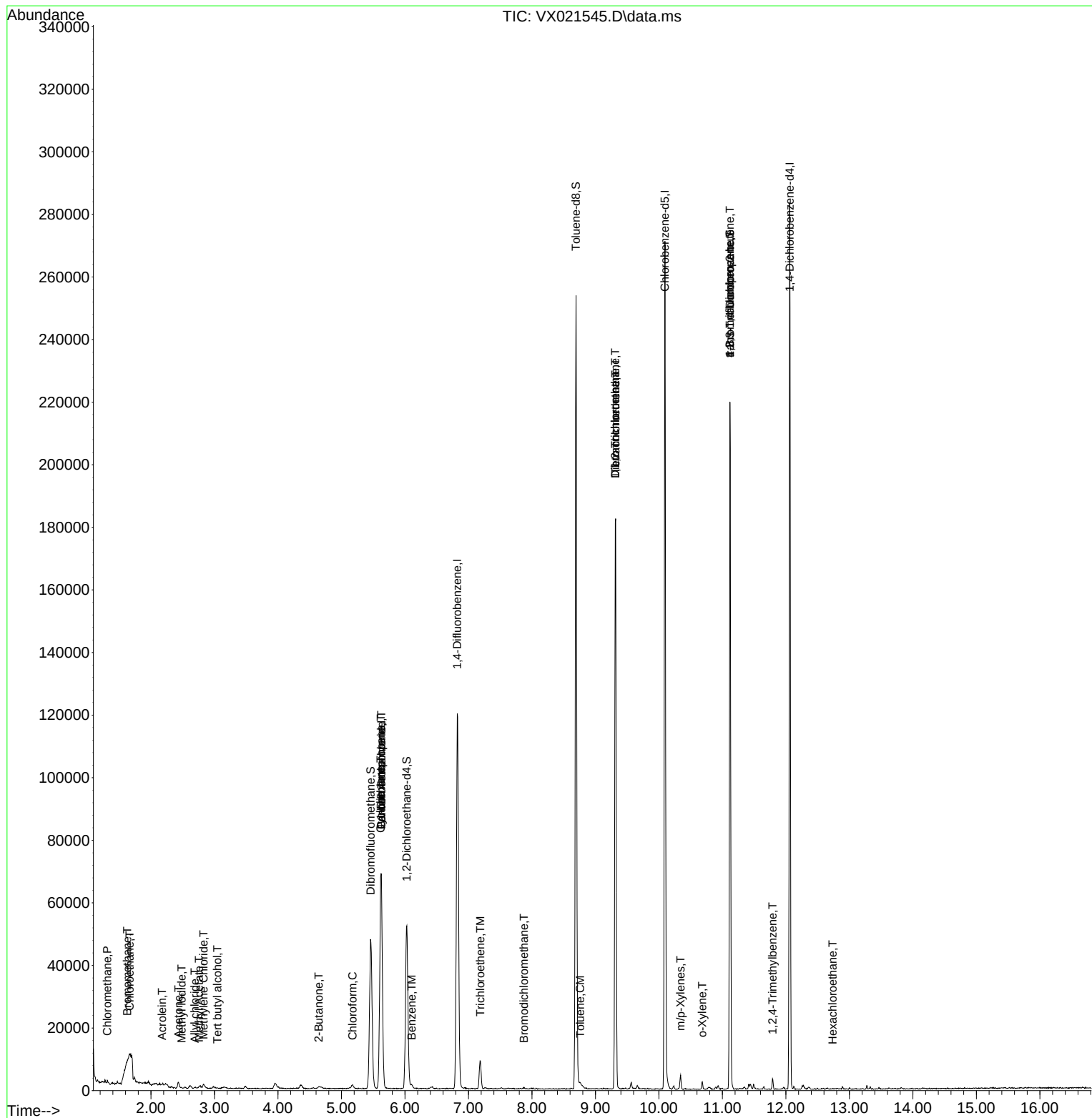
Internal Standards						
1) Pentafluorobenzene	5.629	168	61317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.823	114	112605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51664	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52100	51.07	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.14%
35) Dibromofluoromethane	5.458	113	39436	49.30	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.60%
50) Toluene-d8	8.694	98	141743	49.73	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.46%
62) 4-Bromofluorobenzene	11.118	95	57686	52.06	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.12%
Target Compounds						Qvalue
3) Chloromethane	1.311	50	1523	2.01	ug/l #	87
5) Bromomethane	1.629	94	294	1.06	ug/l #	48
6) Chloroethane	1.664	64	249	0.57	ug/l #	86
10) Methyl Iodide	2.482	142	114	6.84	ug/l #	42
11) Tert butyl alcohol	3.046	59	90	0.53	ug/l #	73
13) Acrolein	2.176	56	24	4.57	ug/l #	1
14) Allyl chloride	2.688	41	431	0.34	ug/l #	33
16) Acetone	2.435	43	1962	5.09	ug/l #	86
18) Methyl Acetate	2.758	43	531	0.48	ug/l #	71
20) Methylene Chloride	2.829	84	498	0.66	ug/l #	74
25) 2-Butanone	4.641	43	1284	2.20	ug/l	92
30) Chloroform	5.176	83	1274	0.92	ug/l #	79
31) Cyclohexane	5.617	56	1773	1.58	ug/l #	38
36) 1,1-Dichloropropene	5.623	75	5541	5.02	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6646	5.61	ug/l #	16
40) Benzene	6.106	78	1119	0.36	ug/l	95
44) Trichloroethene	7.188	130	3058	3.70	ug/l	87
47) Bromodichloromethane	7.876	83	340	0.27	ug/l #	82
52) Toluene	8.759	92	408	0.21	ug/l	97
55) 1,1,2-Trichloroethane	9.312	97	334	0.41	ug/l #	16
60) Dibromochloromethane	9.312	129	33404	36.51	ug/l #	11
64) Tetrachloroethene	9.318	164	33007	43.70	ug/l	96
68) m/p-Xylenes	10.341	106	977	0.66	ug/l	98
69) o-Xylene	10.683	106	440	0.31	ug/l	96
76) 1,2,3-Trichloropropane	11.118	75	32055	26.65	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	32055	81.18	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.789	105	1633	0.52	ug/l	92
90) Hexachloroethane	12.736	117	134	0.23	ug/l #	9

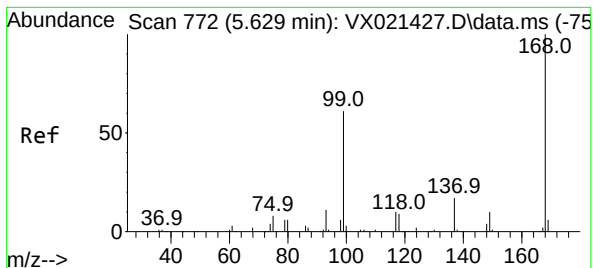
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 27 04:33:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.000 min

Lab File: VX021545.D

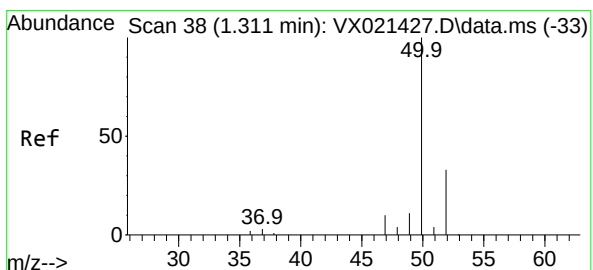
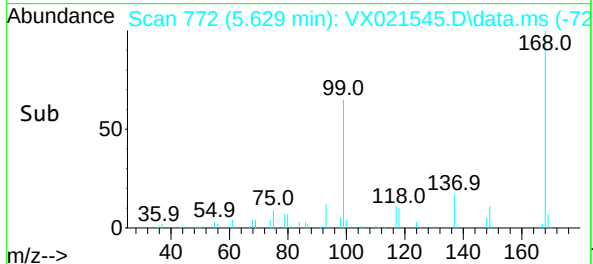
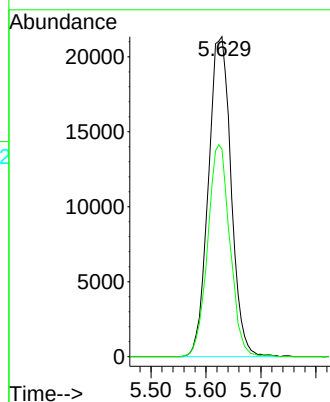
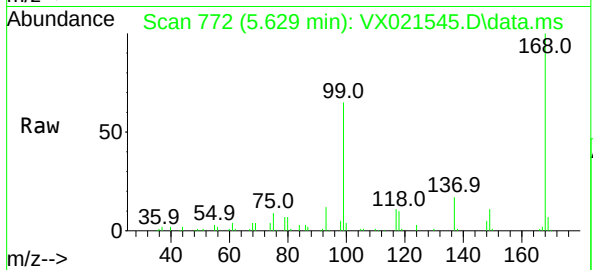
Acq: 26 Mar 2021 22:01

Tgt Ion:168 Resp: 61317

Ion Ratio Lower Upper

168 100

99 64.9 45.8 68.6



#3

Chloromethane

Concen: 2.01 ug/l

RT: 1.311 min Scan# 38

Delta R.T. -0.000 min

Lab File: VX021545.D

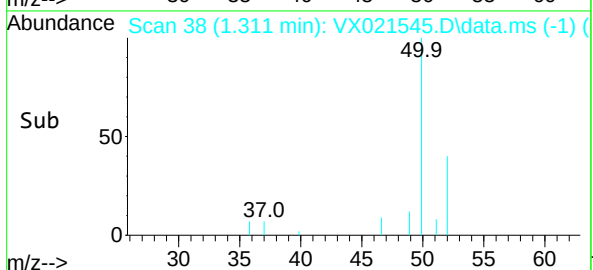
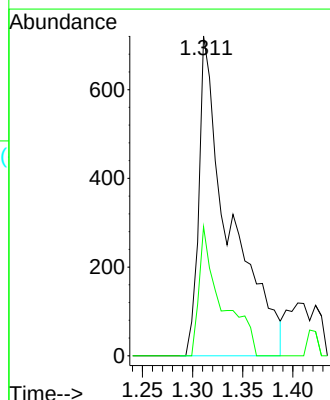
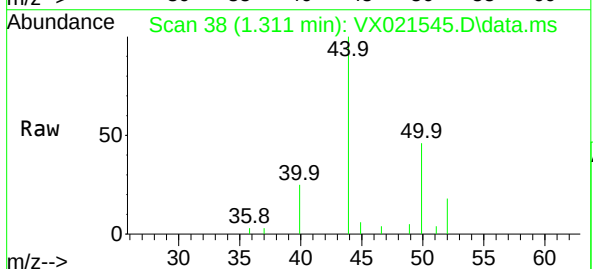
Acq: 26 Mar 2021 22:01

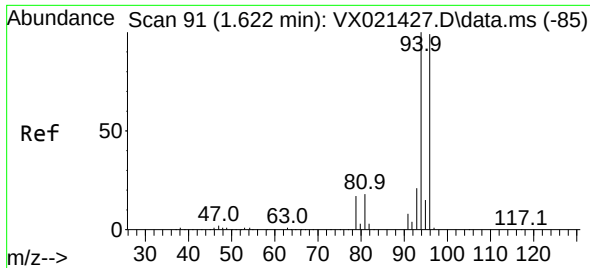
Tgt Ion: 50 Resp: 1523

Ion Ratio Lower Upper

50 100

52 40.4 26.4 39.6#

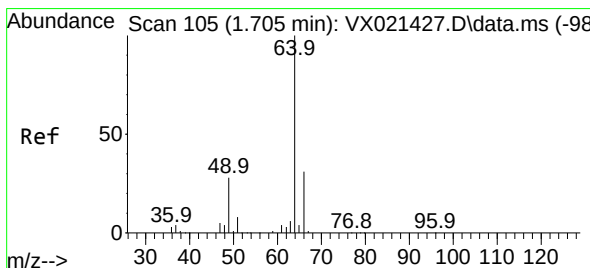
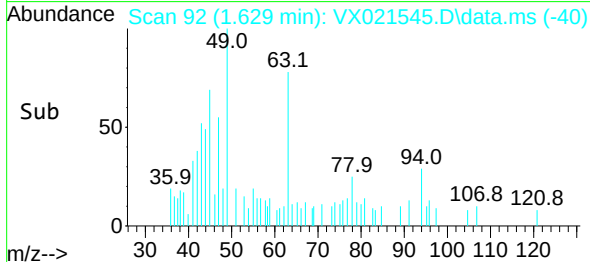
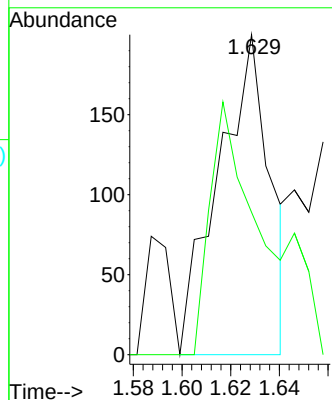
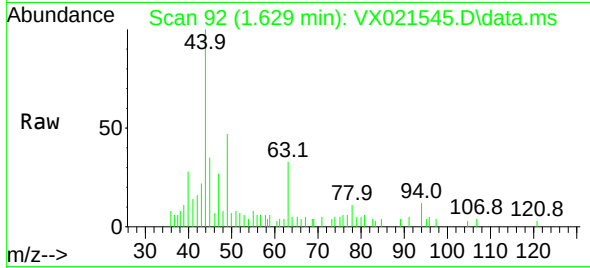




#5
Bromomethane
Concen: 1.06 ug/l
RT: 1.629 min Scan# 92
Delta R.T. 0.007 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

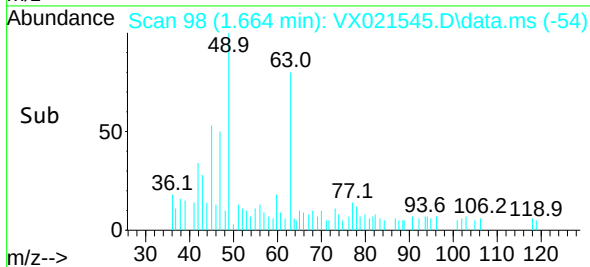
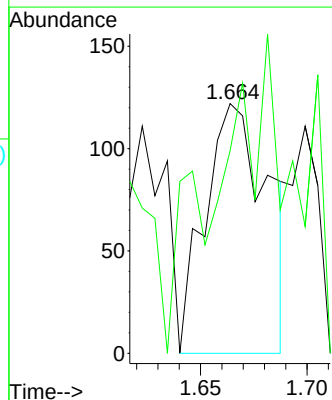
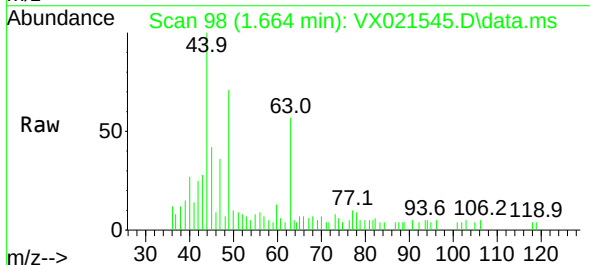
Instrument :
MSVOA_X
ClientSampleId :

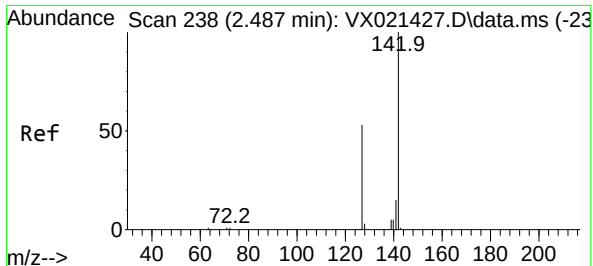
Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 44.5 76.4 114.6#



#6
Chloroethane
Concen: 0.57 ug/l
RT: 1.664 min Scan# 98
Delta R.T. -0.041 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 64 Resp: 249
Ion Ratio Lower Upper
64 100
66 23.8 25.4 38.0#





#10

Methyl Iodide

Concen: 6.84 ug/l

RT: 2.482 min Scan# 237

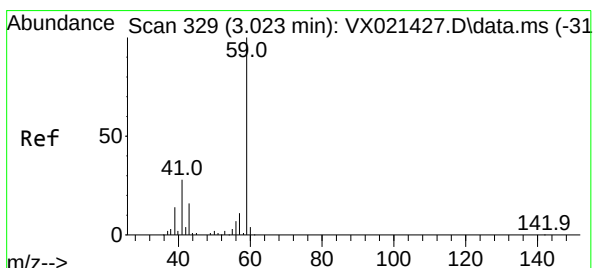
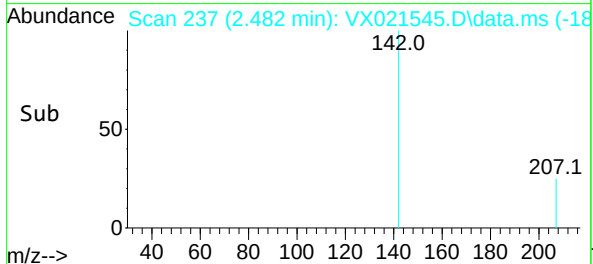
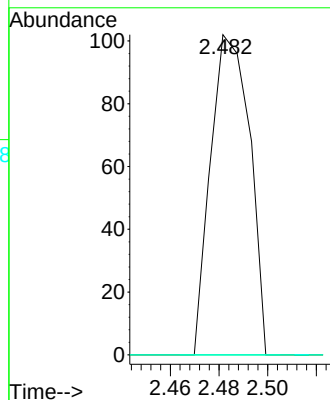
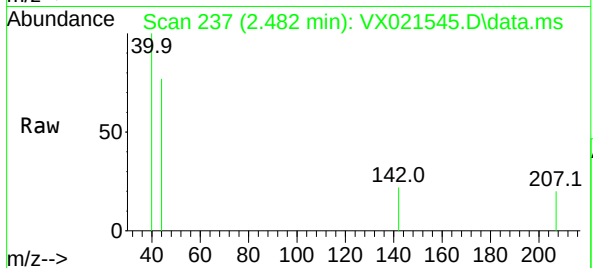
Delta R.T. -0.005 min

Lab File: VX021545.D

Acq: 26 Mar 2021 22:01

Tgt Ion:	142	Resp:	114
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#

Instrument :
MSVOA_X
ClientSampled :



#11

Tert butyl alcohol

Concen: 0.53 ug/l

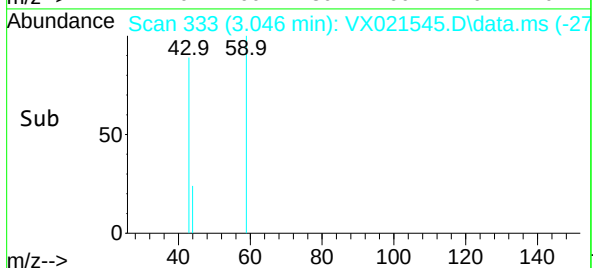
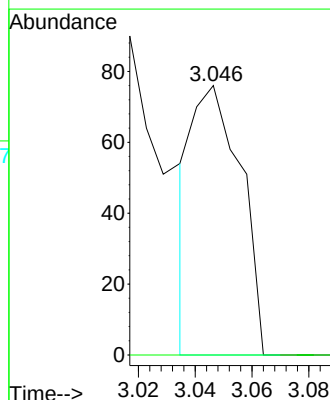
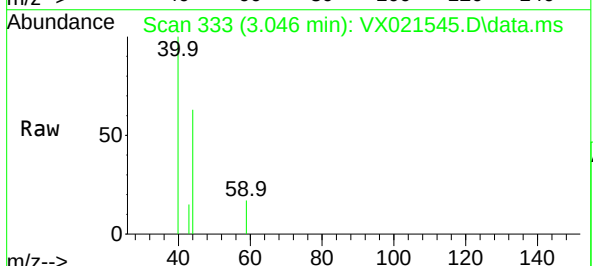
RT: 3.046 min Scan# 333

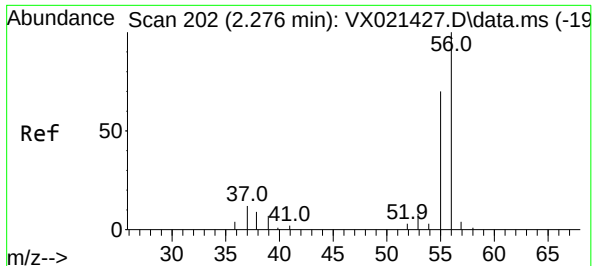
Delta R.T. 0.023 min

Lab File: VX021545.D

Acq: 26 Mar 2021 22:01

Tgt Ion:	59	Resp:	90
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

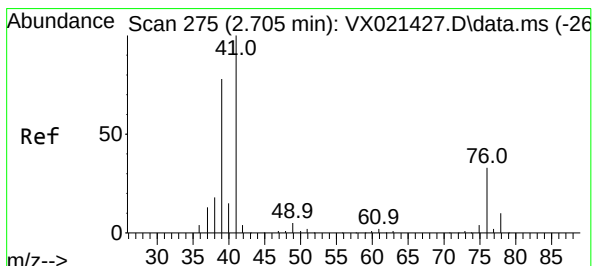
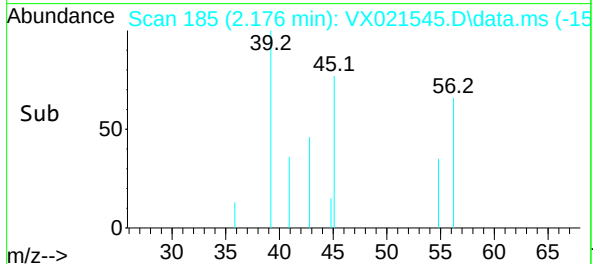
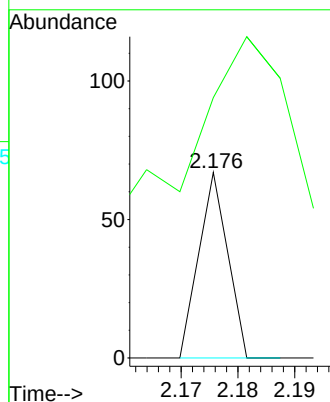
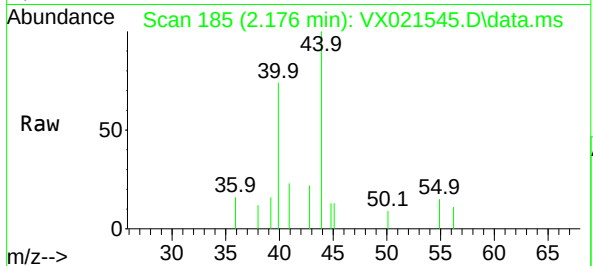




#13
Acrolein
Concen: 4.57 ug/l
RT: 2.176 min Scan# 185
Delta R.T. -0.100 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

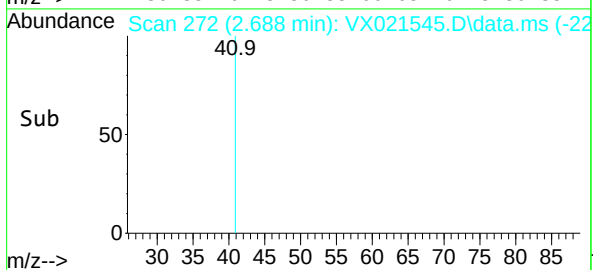
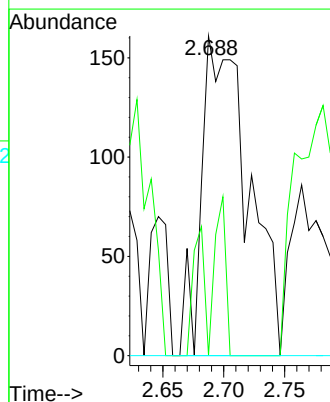
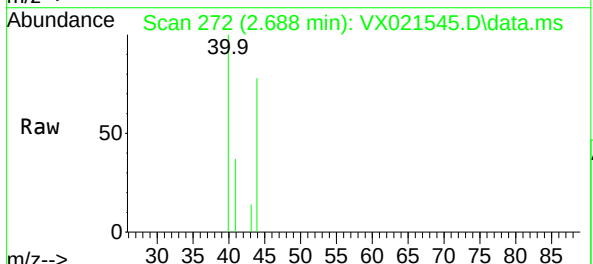
Instrument :
MSVOA_X
ClientSampled :

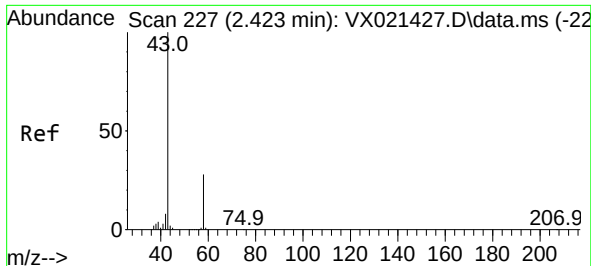
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 891.7 56.4 84.6#



#14
Allyl chloride
Concen: 0.34 ug/l
RT: 2.688 min Scan# 272
Delta R.T. -0.018 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 41 Resp: 431
Ion Ratio Lower Upper
41 100
39 9.7 51.6 77.4#
76 0.0 30.5 45.7#

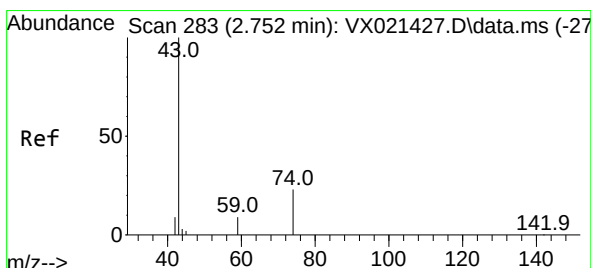
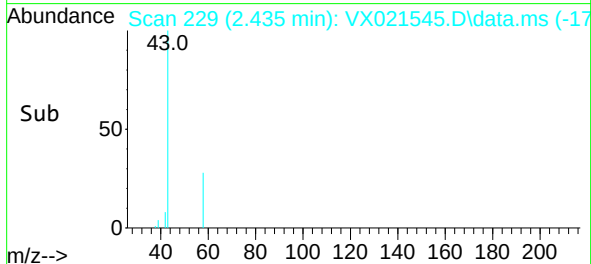
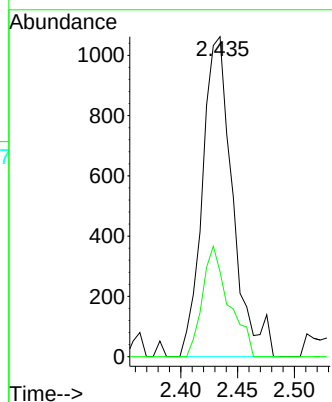
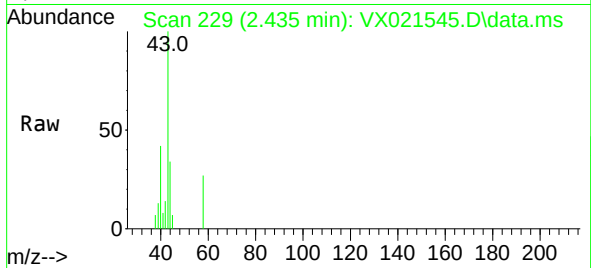




#16
Acetone
Concen: 5.09 ug/l
RT: 2.435 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

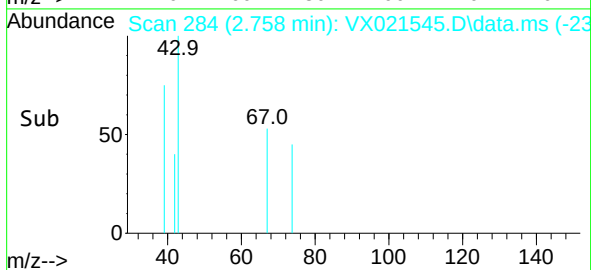
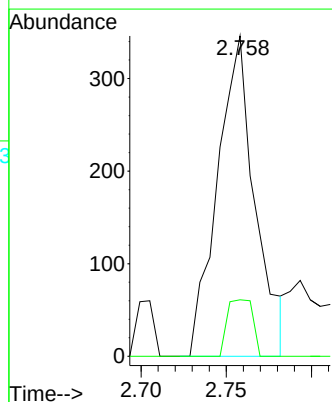
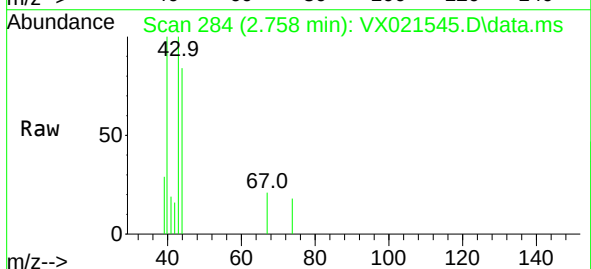
Instrument :
MSVOA_X
ClientSampled :

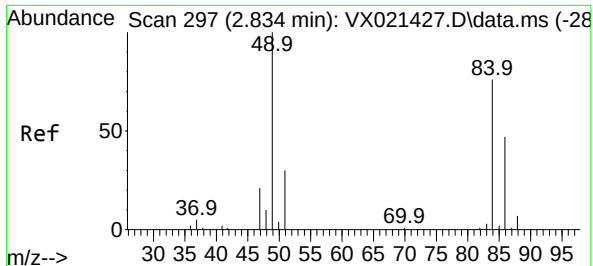
Tgt Ion: 43 Resp: 1962
Ion Ratio Lower Upper
43 100
58 26.6 27.8 41.8#



#18
Methyl Acetate
Concen: 0.48 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
74 12.1 21.9 32.9#





#20

Methylene Chloride

Concen: 0.66 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021545.D

Acq: 26 Mar 2021 22:01

Tgt Ion: 84 Resp: 498

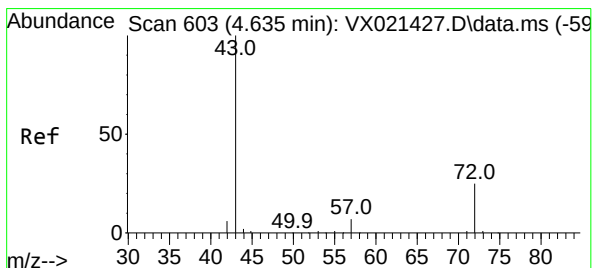
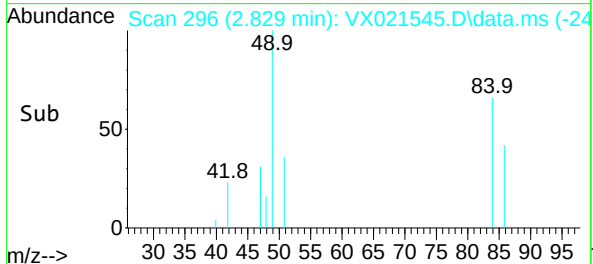
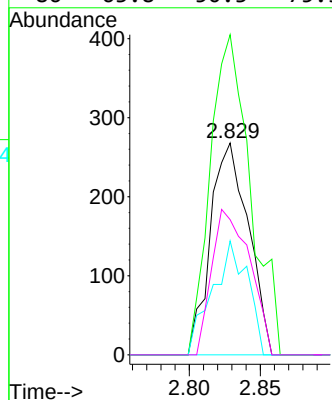
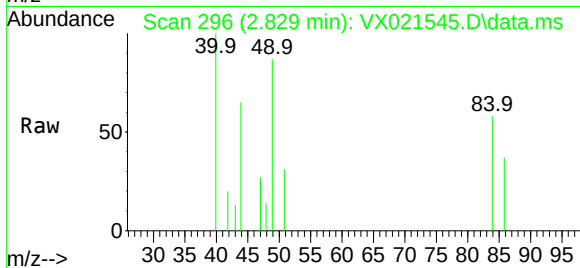
Ion Ratio Lower Upper

84 100

49 151.1 88.6 132.8#

51 53.7 27.0 40.6#

86 63.8 50.3 75.5



#25

2-Butanone

Concen: 2.20 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021545.D

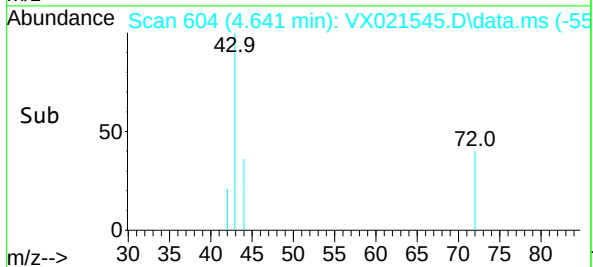
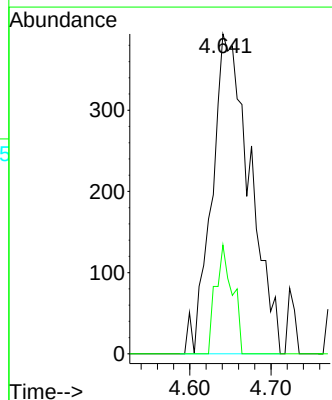
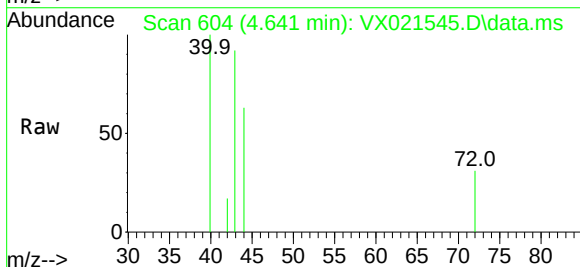
Acq: 26 Mar 2021 22:01

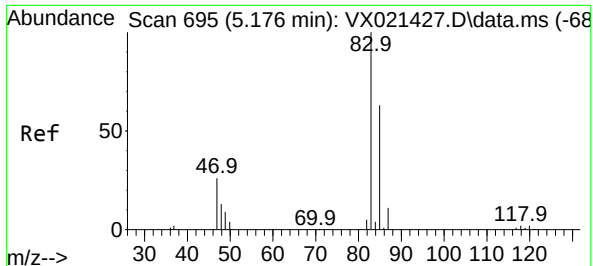
Tgt Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

72 34.0 23.7 35.5





#30

Chloroform

Concen: 0.92 ug/l

RT: 5.176 min Scan# 695

Delta R.T. 0.000 min

Lab File: VX021545.D

Acq: 26 Mar 2021 22:01

Tgt Ion: 83 Resp: 1274

Ion Ratio Lower Upper

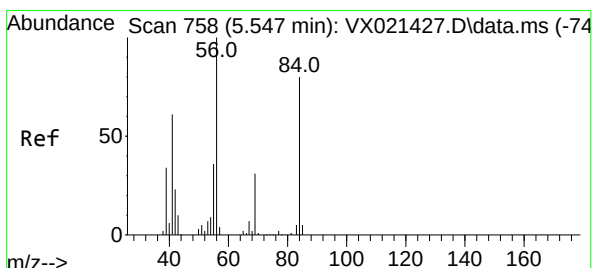
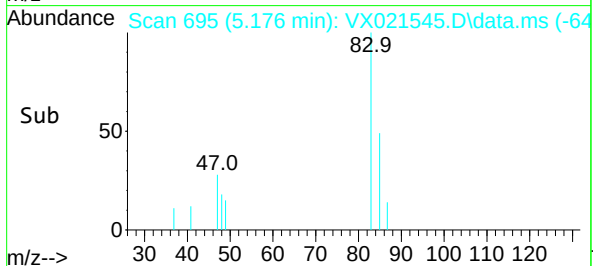
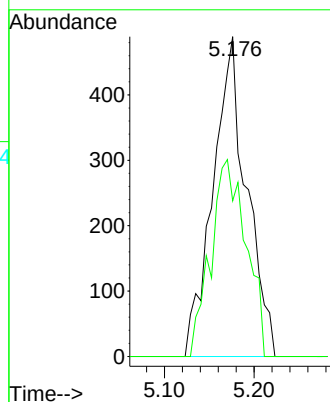
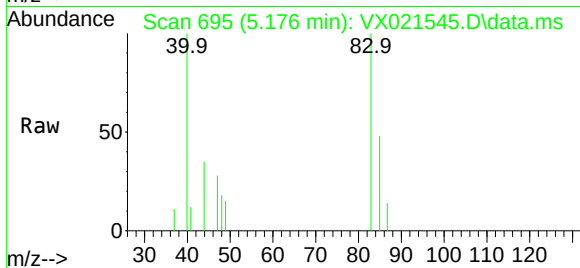
83 100

85 48.7 52.0 78.0#

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.58 ug/l

RT: 5.617 min Scan# 770

Delta R.T. 0.070 min

Lab File: VX021545.D

Acq: 26 Mar 2021 22:01

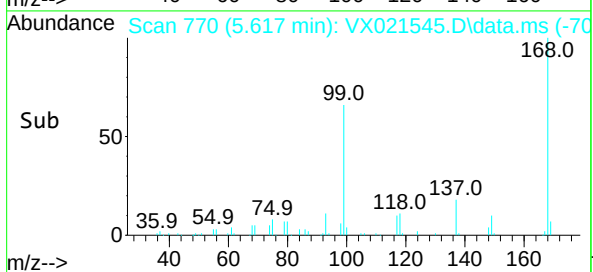
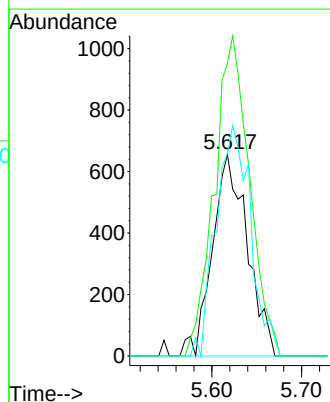
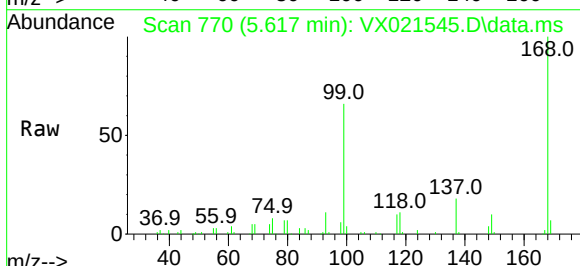
Tgt Ion: 56 Resp: 1773

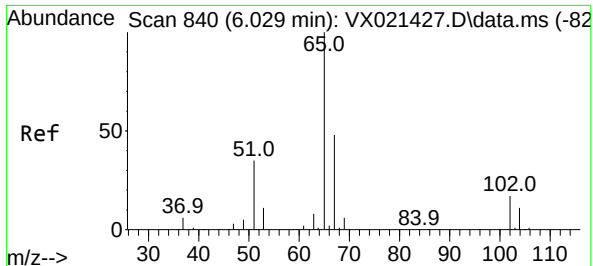
Ion Ratio Lower Upper

56 100

69 145.0 25.3 37.9#

84 100.3 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 51.07 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021545.D

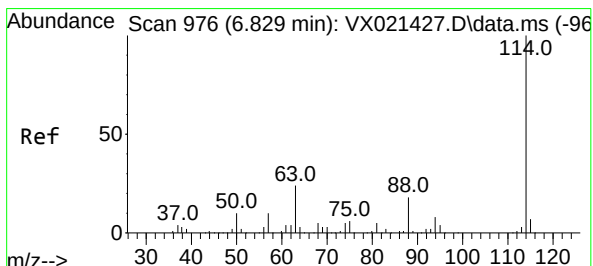
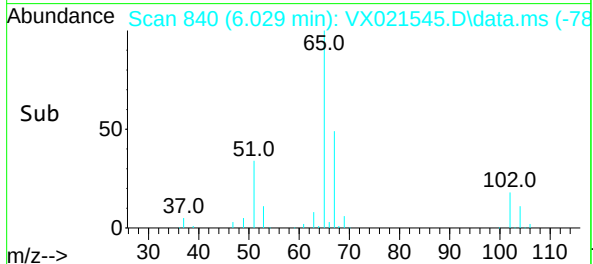
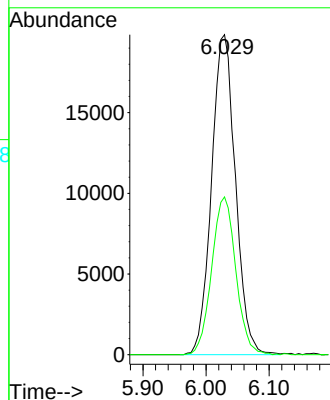
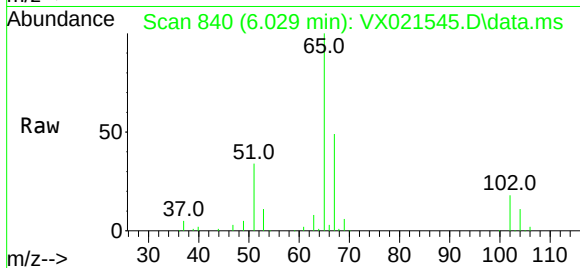
Acq: 26 Mar 2021 22:01

Tgt Ion: 65 Resp: 52100

Ion Ratio Lower Upper

65 100

67 49.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.823 min Scan# 975

Delta R.T. -0.006 min

Lab File: VX021545.D

Acq: 26 Mar 2021 22:01

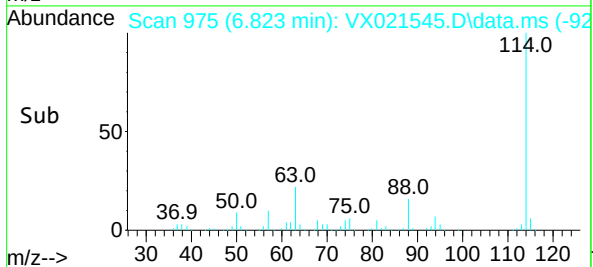
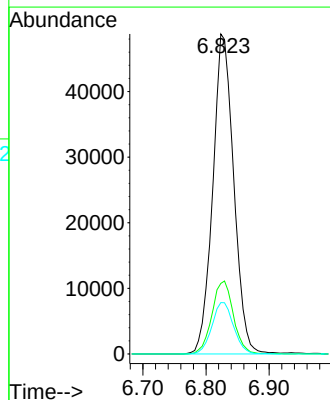
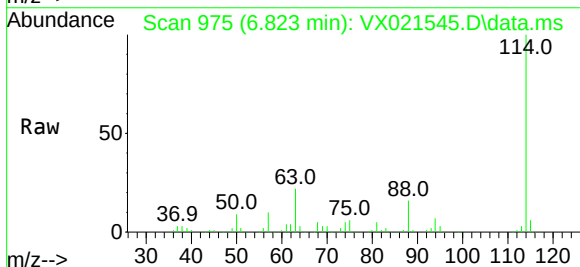
Tgt Ion: 114 Resp: 112605

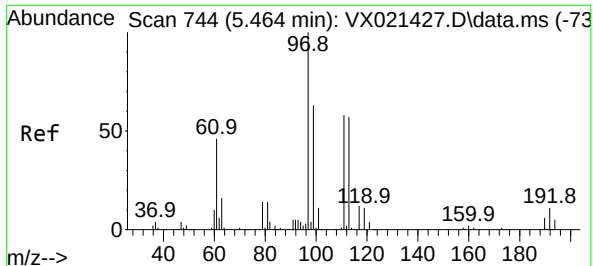
Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

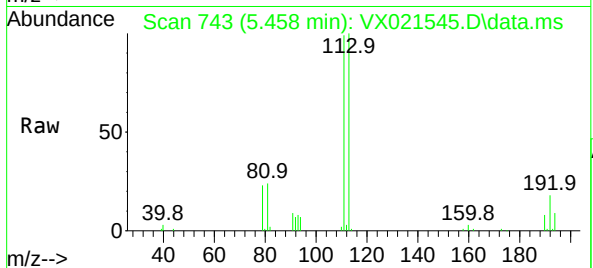
88 16.1 0.0 32.8



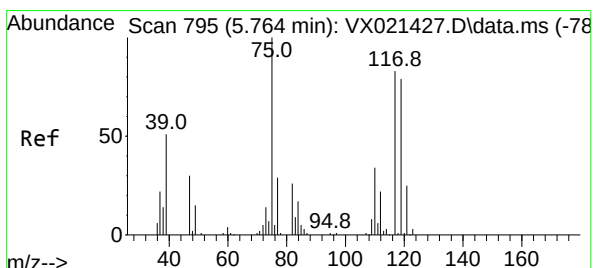
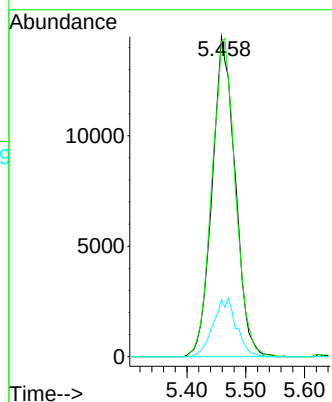
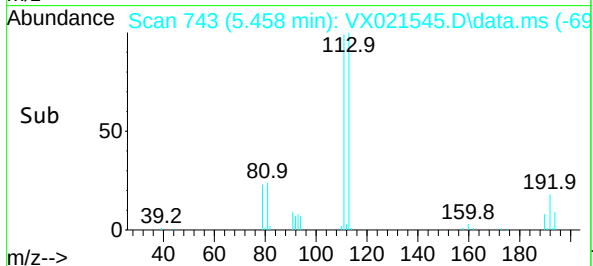


#35
Dibromofluoromethane
Concen: 49.30 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

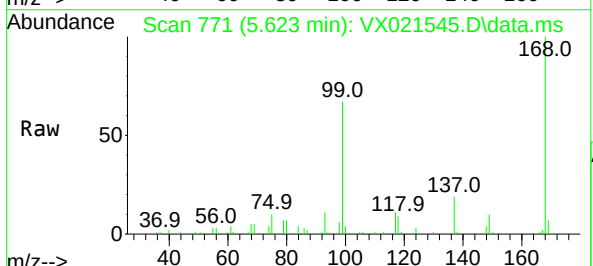
Instrument :
MSVOA_X
ClientSampleId :



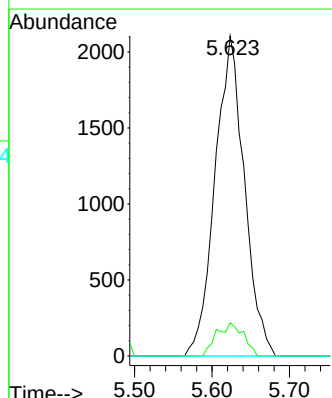
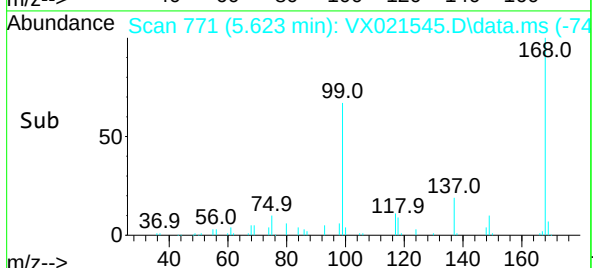
Tgt Ion:113 Resp: 39436
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.4 16.7 25.1

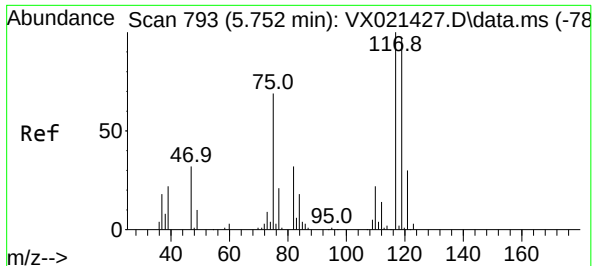


#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01



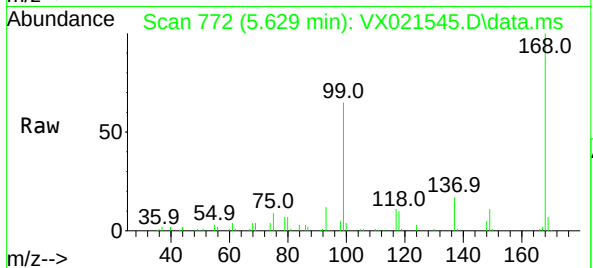
Tgt Ion: 75 Resp: 5541
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



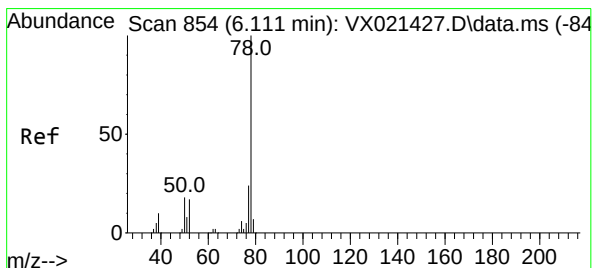
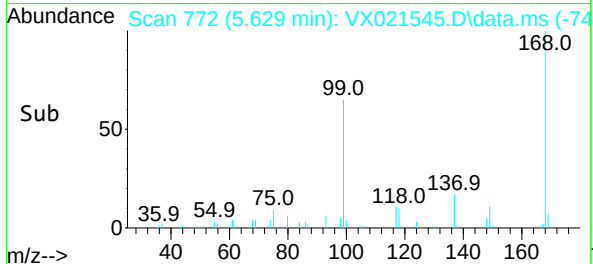
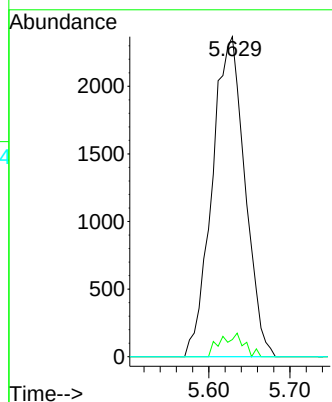


#38
Carbon Tetrachloride
Concen: 5.61 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Instrument :
MSVOA_X
ClientSampleId :

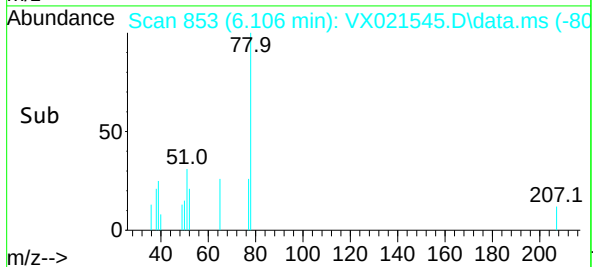
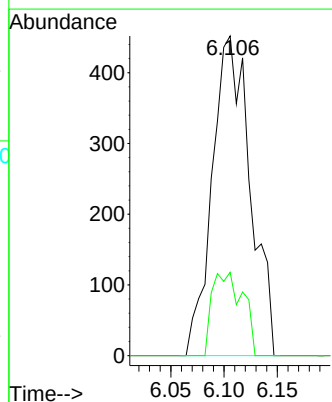
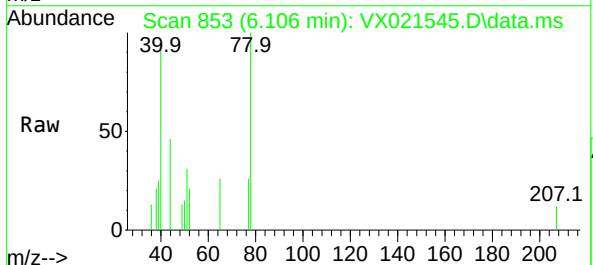


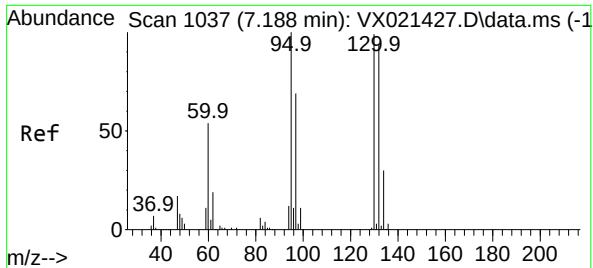
Tgt Ion:117 Resp: 6646
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.36 ug/l
RT: 6.106 min Scan# 853
Delta R.T. -0.005 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 78 Resp: 1119
Ion Ratio Lower Upper
78 100
77 26.1 18.9 28.3

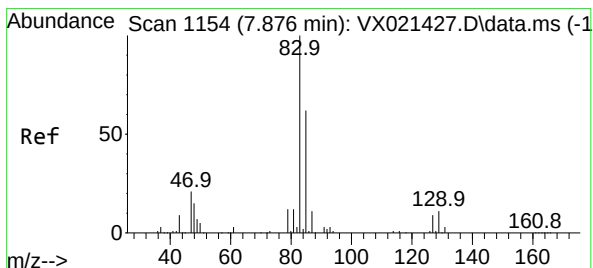
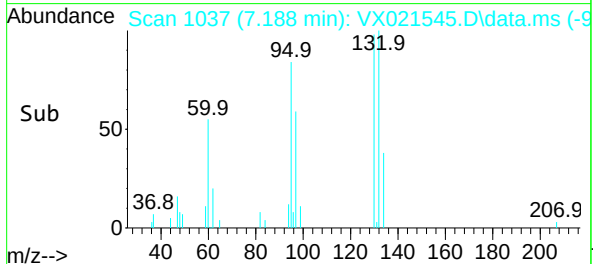
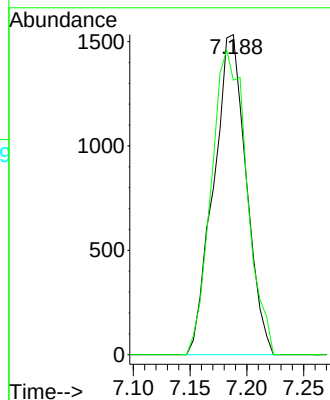
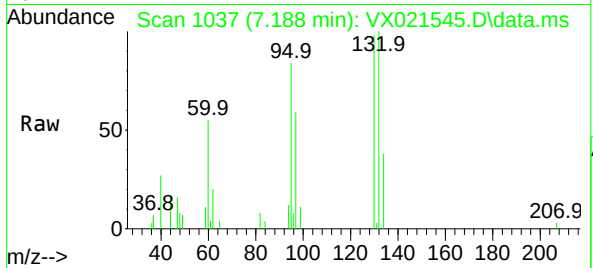




#44
Trichloroethene
Concen: 3.70 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

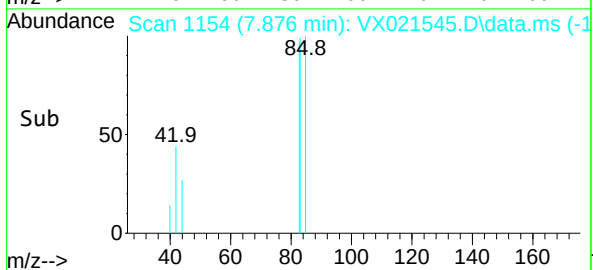
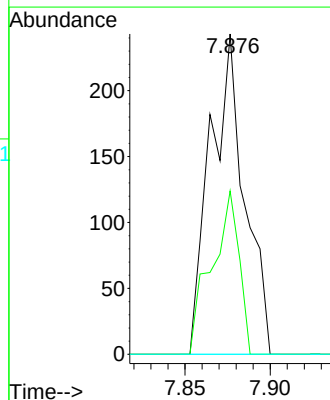
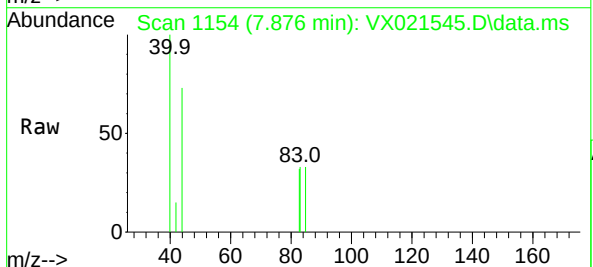
Instrument :
MSVOA_X
ClientSampleId :

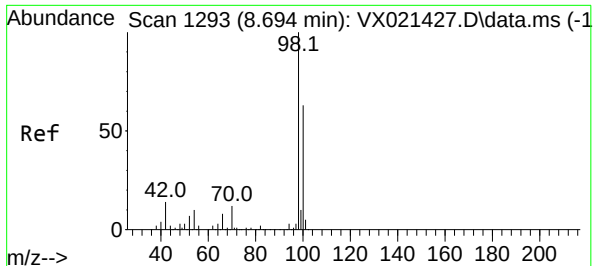
Tgt Ion:130 Resp: 3058
Ion Ratio Lower Upper
130 100
95 85.8 0.0 198.0



#47
Bromodichloromethane
Concen: 0.27 ug/l
RT: 7.876 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 83 Resp: 340
Ion Ratio Lower Upper
83 100
85 51.0 51.4 77.0#
127 0.0 6.8 10.2#

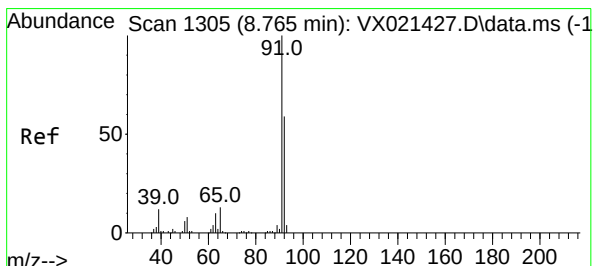
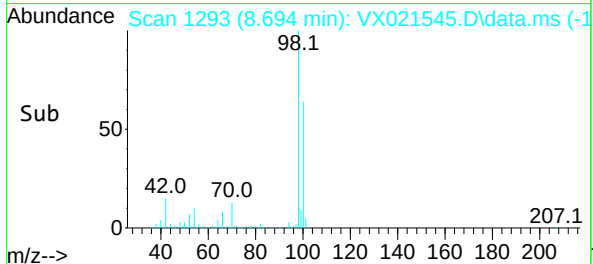
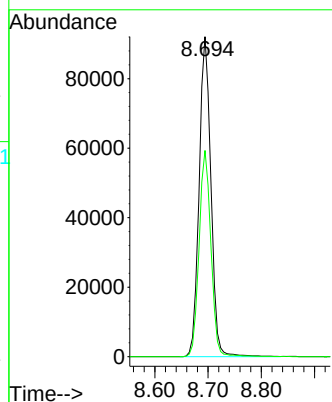
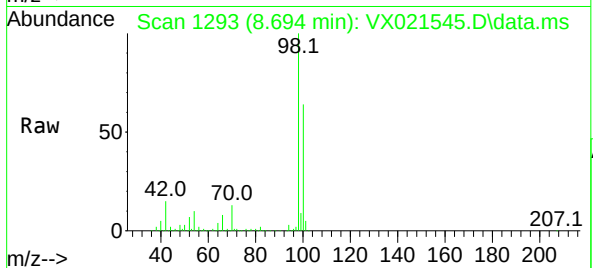




#50
Toluene-d8
Concen: 49.73 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

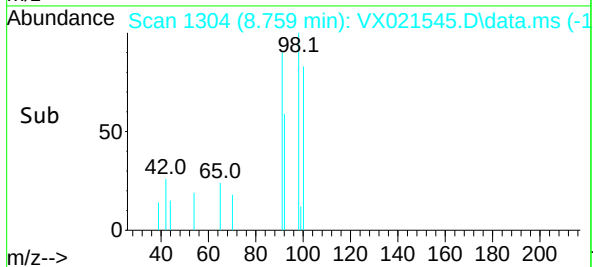
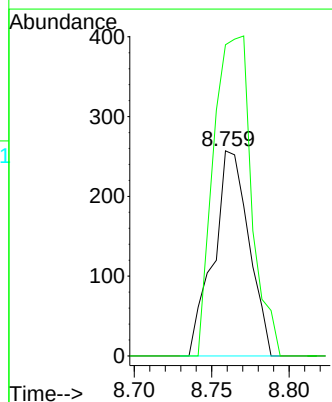
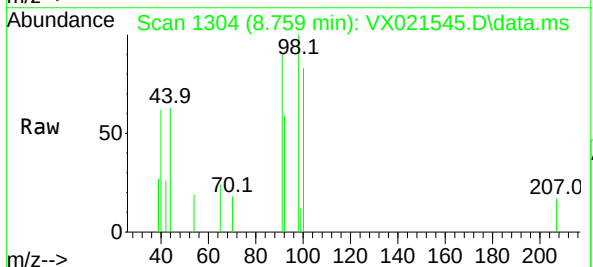
Instrument :
MSVOA_X
ClientSampled :

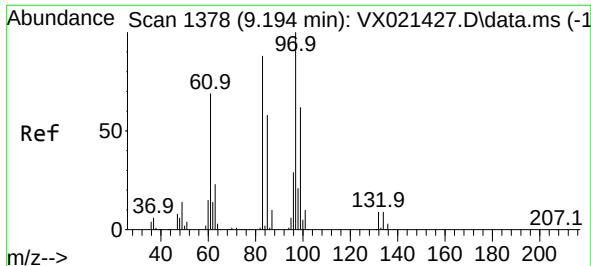
Tgt Ion: 98 Resp: 141743
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#52
Toluene
Concen: 0.21 ug/l
RT: 8.759 min Scan# 1304
Delta R.T. -0.006 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

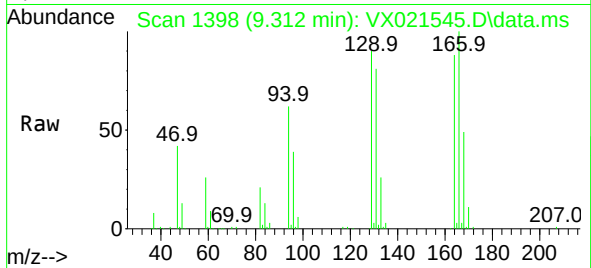
Tgt Ion: 92 Resp: 408
Ion Ratio Lower Upper
92 100
91 167.2 137.1 205.7



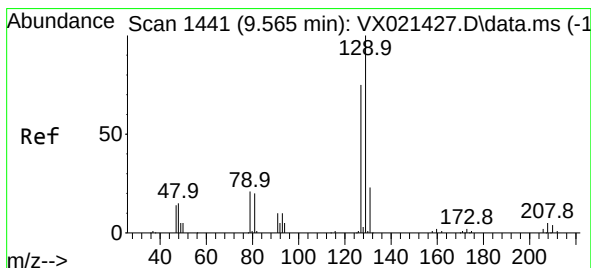
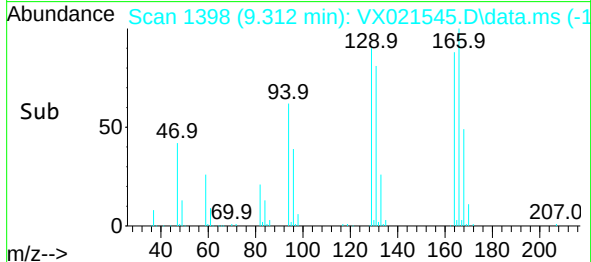
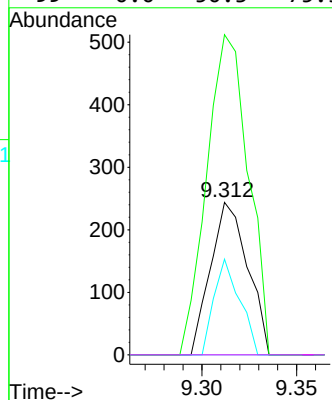


#55
1,1,2-Trichloroethane
Concen: 0.41 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. 0.118 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Instrument :
MSVOA_X
ClientSampleId :

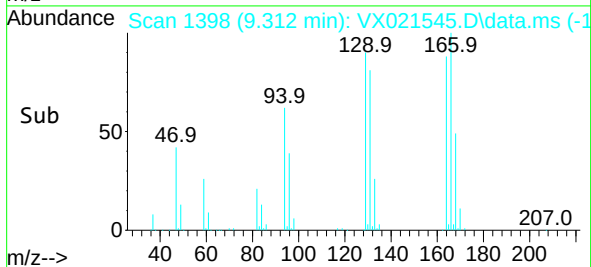
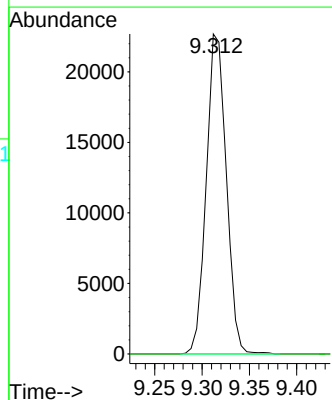
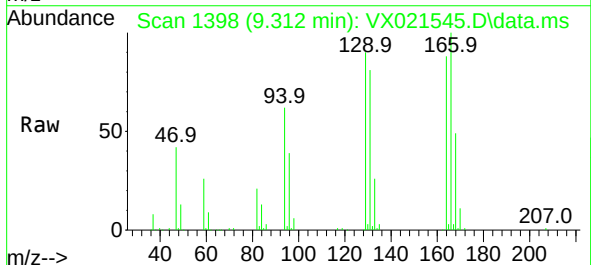


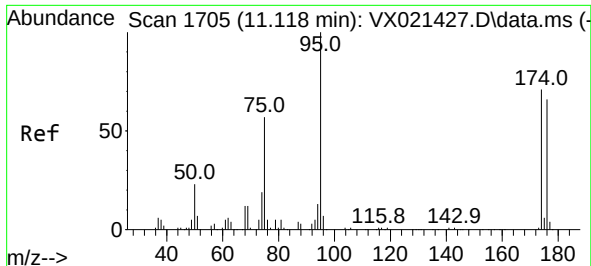
Tgt Ion: 97	Resp: 334
Ion Ratio	Lower Upper
97 100	
83 209.8	69.3 103.9#
85 62.7	44.3 66.5
99 0.0	50.3 75.5#



#60
Dibromochloromethane
Concen: 36.51 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.253 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 129	Resp: 33404
Ion Ratio	Lower Upper
129 100	
127 0.0	38.4 115.2#

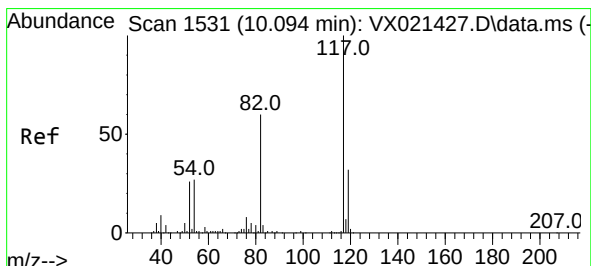
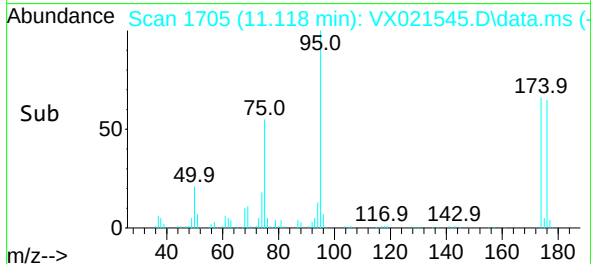
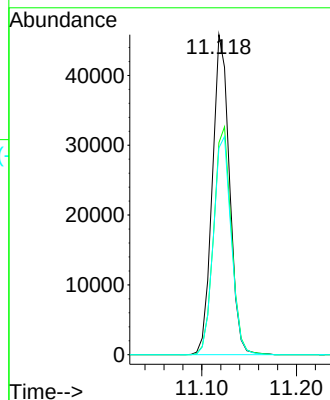
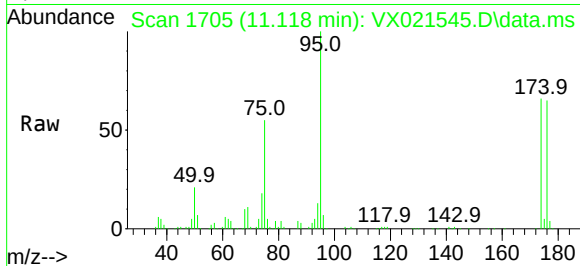




#62
4-Bromofluorobenzene
Concen: 52.06 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

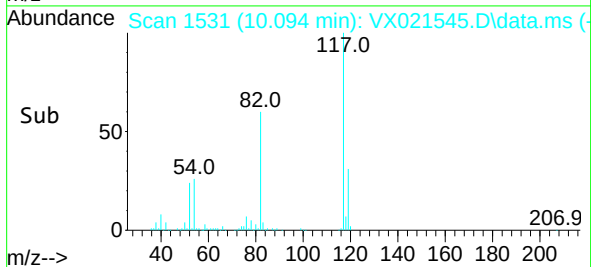
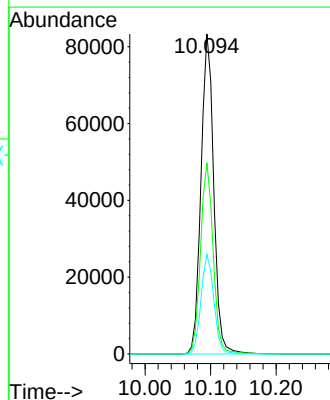
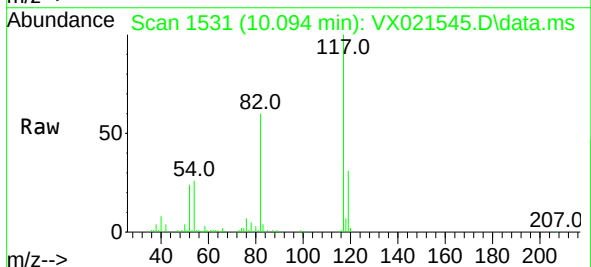
Instrument :
MSVOA_X
ClientSampleId :

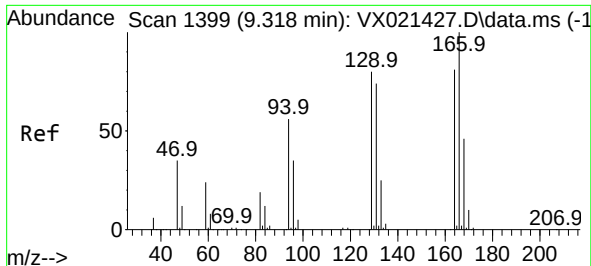
Tgt Ion: 95 Resp: 57686
Ion Ratio Lower Upper
95 100
174 73.2 0.0 154.6
176 70.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

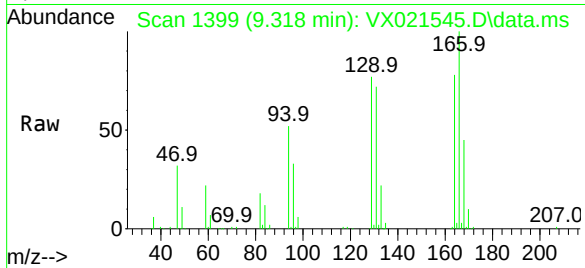
Tgt Ion: 117 Resp: 112758
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.1 26.6 39.8



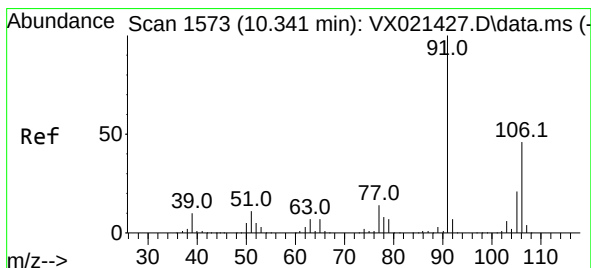
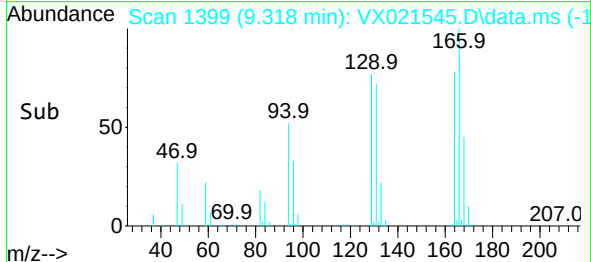
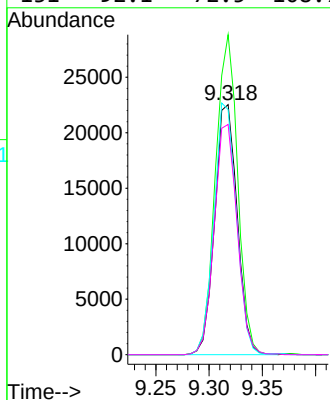


#64
Tetrachloroethene
Concen: 43.70 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Instrument :
MSVOA_X
ClientSampleId :

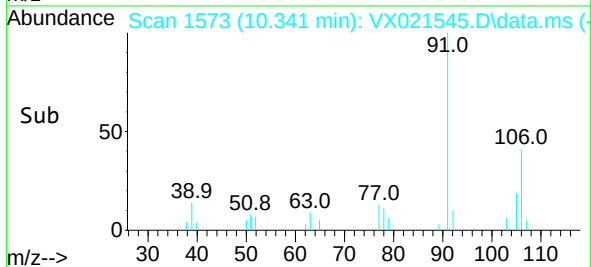
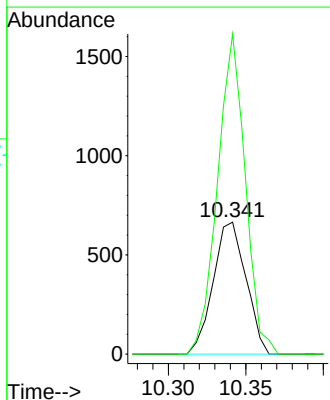
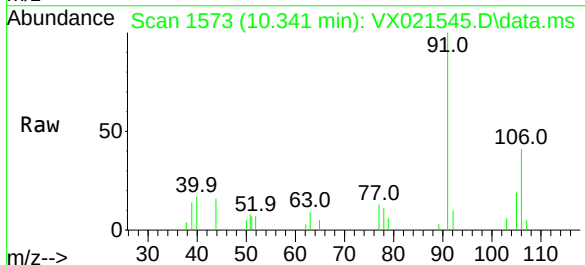


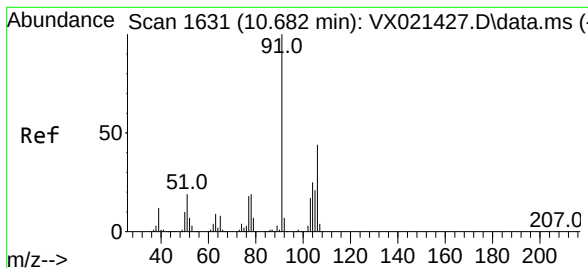
Tgt Ion:164 Resp: 33007
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.2
129 98.0 70.8 106.2
131 92.1 72.5 108.7



#68
m/p-Xylenes
Concen: 0.66 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion:106 Resp: 977
Ion Ratio Lower Upper
106 100
91 206.1 162.8 244.2

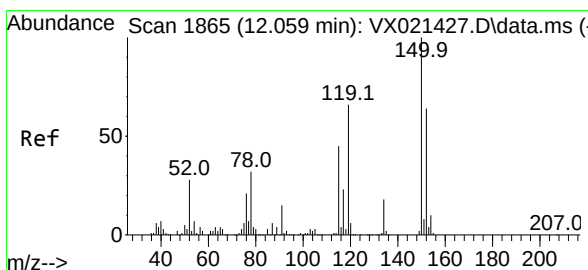
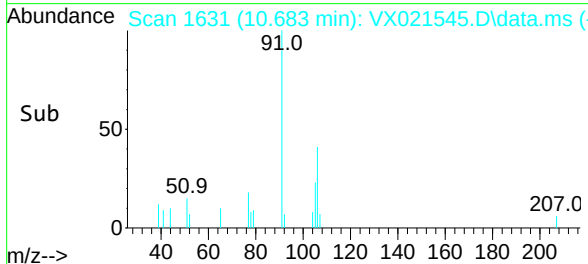
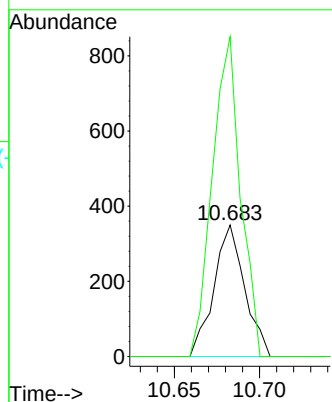
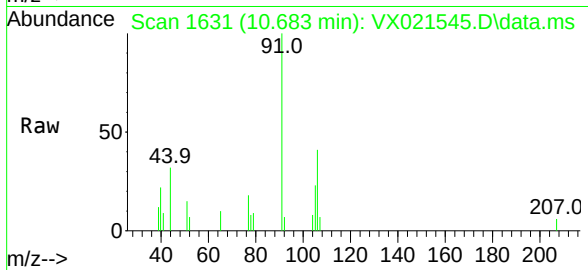




#69
o-Xylene
Concen: 0.31 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.001 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

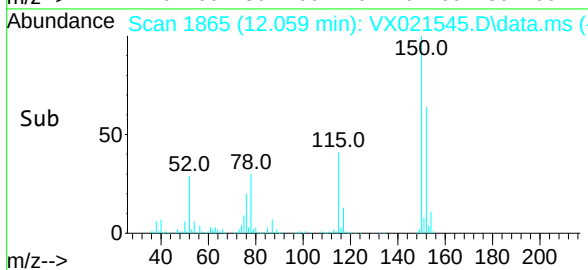
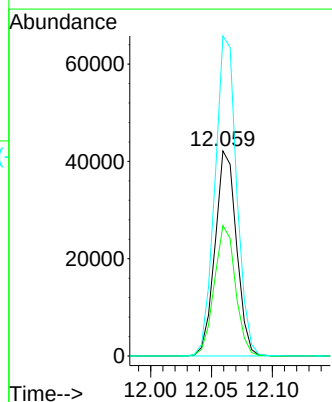
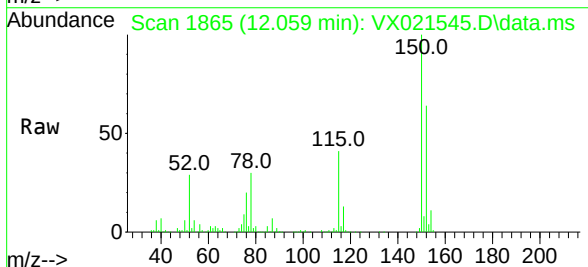
Instrument :
MSVOA_X
ClientSampled :

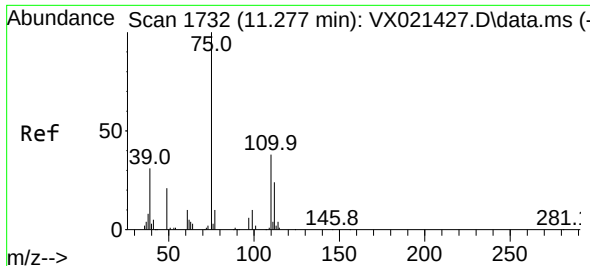
Tgt Ion:106 Resp: 440
Ion Ratio Lower Upper
106 100
91 222.3 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion:152 Resp: 51664
Ion Ratio Lower Upper
152 100
115 62.8 41.1 123.3
150 158.0 0.0 349.0

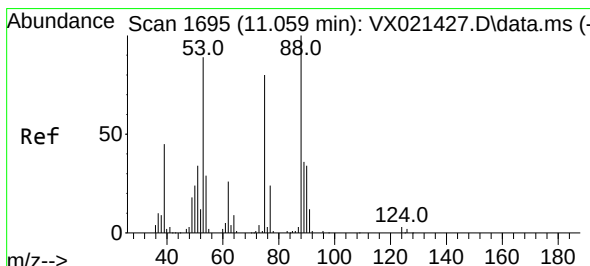
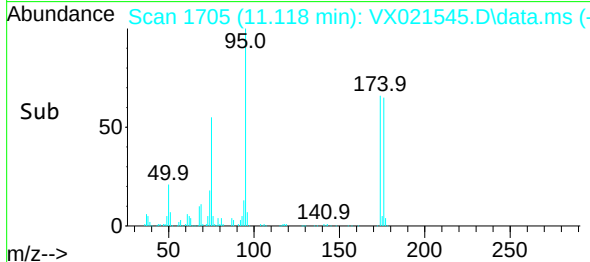
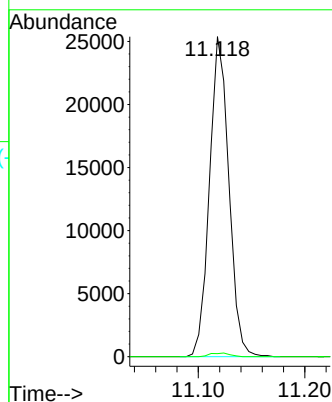
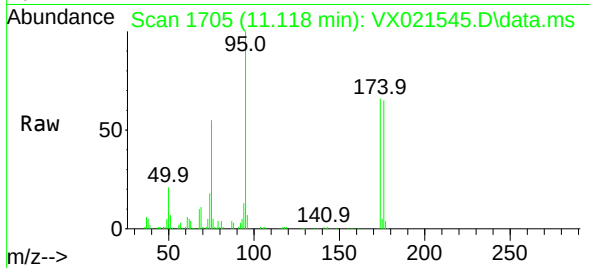




#76
1,2,3-Trichloropropane
Concen: 26.65 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

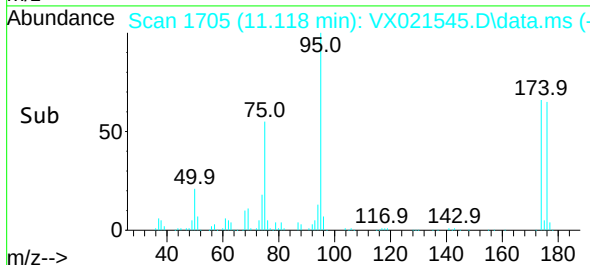
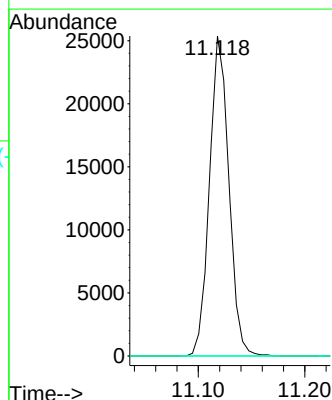
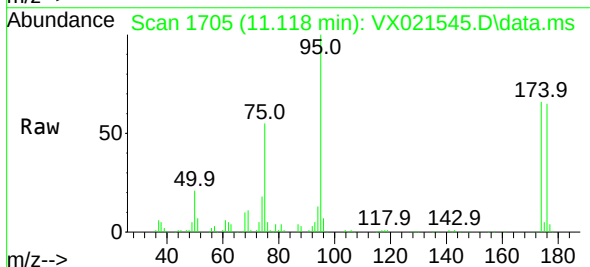
Instrument :
MSVOA_X
ClientSampled :

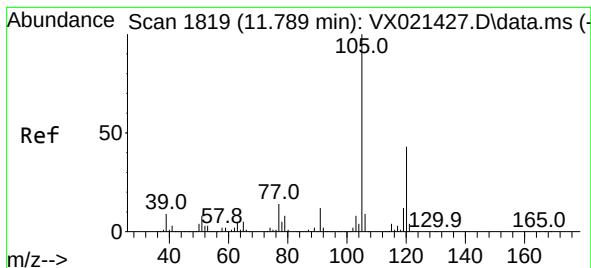
Tgt Ion: 75 Resp: 32055
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.18 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion: 75 Resp: 32055
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

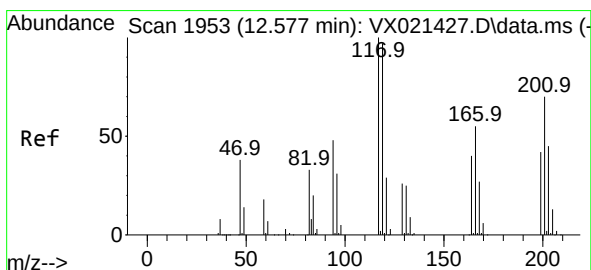
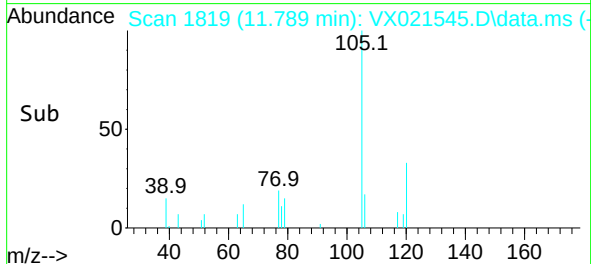
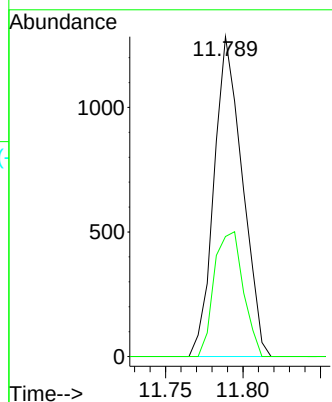
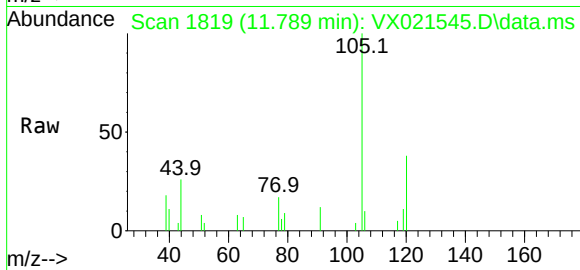




#84
1,2,4-Trimethylbenzene
Concen: 0.52 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 1633
Ion Ratio Lower Upper
105 100
120 39.9 22.4 67.3



#90
Hexachloroethane
Concen: 0.23 ug/l
RT: 12.736 min Scan# 1980
Delta R.T. 0.159 min
Lab File: VX021545.D
Acq: 26 Mar 2021 22:01

Tgt Ion:117 Resp: 134
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

