

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100121\
 Data File : VX024507.D
 Acq On : 01 Oct 2021 17:45
 Operator : JC/MD
 Sample : M3975-10
 Misc : 10.34g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 04:09:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

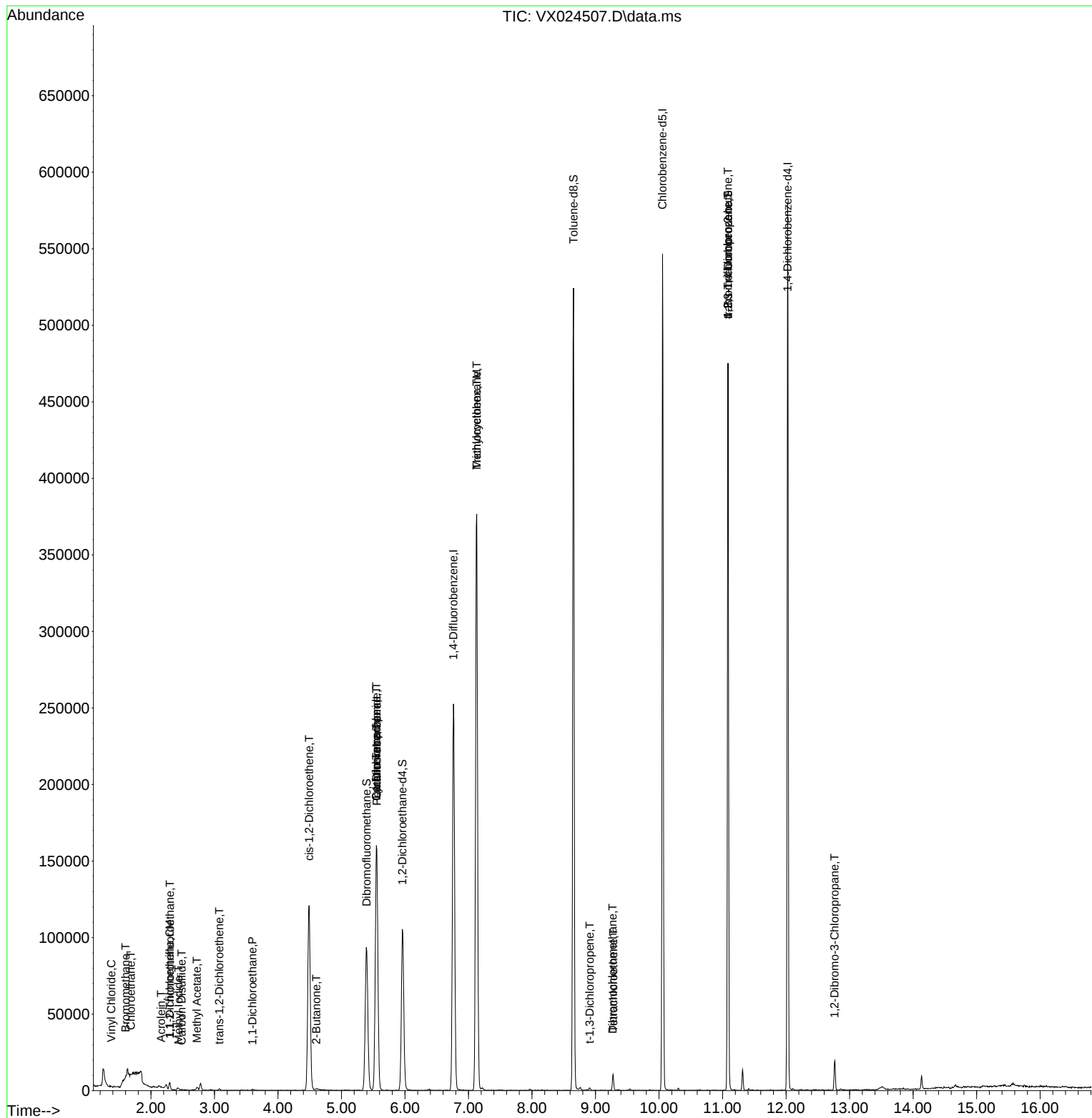
Internal Standards						
1) Pentafluorobenzene	5.556	168	149560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	254582	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106495	50.523	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.040%
35) Dibromofluoromethane	5.397	113	79866	47.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.440%
50) Toluene-d8	8.653	98	308798	49.608	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.220%
62) 4-Bromofluorobenzene	11.085	95	120788	49.353	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.700%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	361	0.243	ug/l #	67
5) Bromomethane	1.599	94	496	0.497	ug/l #	58
6) Chloroethane	1.685	64	110	0.369	ug/l #	25
9) 1,1,2-Trichlorotrifluo...	2.300	101	1487	1.007	ug/l	98
10) Methyl Iodide	2.435	142	601	0.291	ug/l #	78
11) Tert butyl alcohol	2.941	59	179	Below Cal	#	73
12) 1,1-Dichloroethene	2.294	96	562	0.410	ug/l #	74
13) Acrolein	2.160	56	60	10.563	ug/l #	14
16) Acetone	2.422	43	1537	Below Cal	#	79
17) Carbon Disulfide	2.483	76	446	0.353	ug/l #	75
18) Methyl Acetate	2.721	43	2241	0.710	ug/l	96
21) trans-1,2-Dichloroethene	3.075	96	449	0.288	ug/l	91
24) 1,1-Dichloroethane	3.599	63	905	0.318	ug/l #	81
25) 2-Butanone	4.605	43	1750	1.206	ug/l #	78
27) cis-1,2-Dichloroethene	4.489	96	76057	41.799	ug/l	93
31) Cyclohexane	5.550	56	3313	1.313	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	11647	4.772	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15805	5.949	ug/l #	17
39) Methylcyclohexane	7.129	83	1781	0.623	ug/l #	1
44) Trichloroethene	7.129	130	146164	76.122	ug/l	99
53) t-1,3-Dichloropropene	8.909	75	874	0.312	ug/l #	44
60) Dibromochloromethane	9.269	129	1607	1.929	ug/l #	11
64) Tetrachloroethene	9.281	164	1793	1.066	ug/l #	83
76) 1,2,3-Trichloropropane	11.085	75	63998	23.909	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	63998	65.282	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.762	75	550	0.773	ug/l #	3

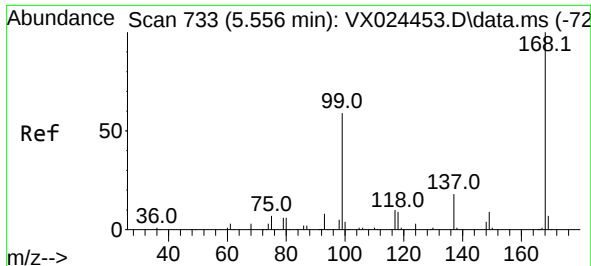
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 04:09:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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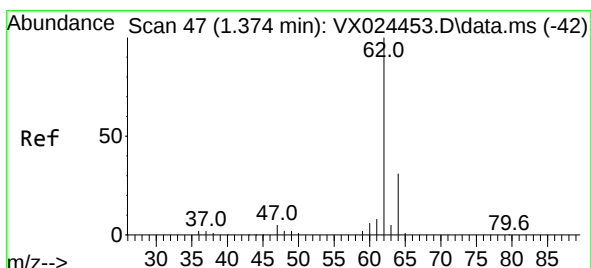
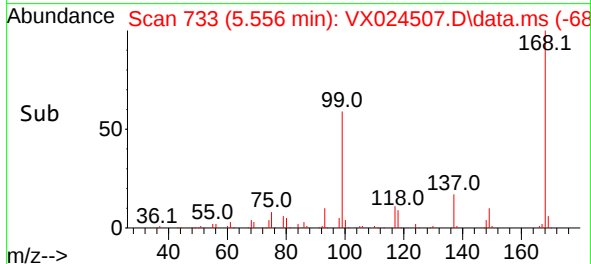
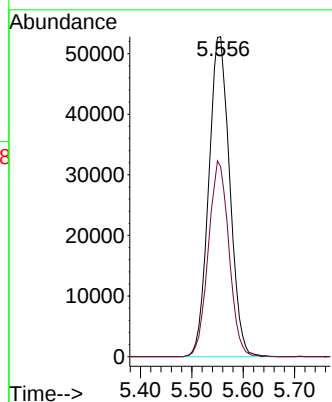
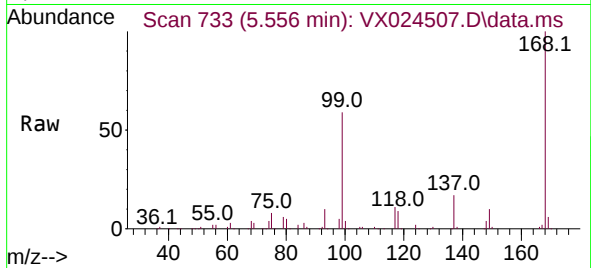




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

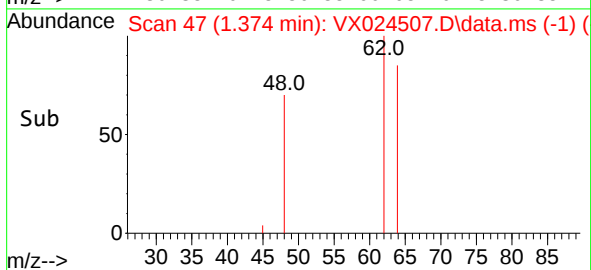
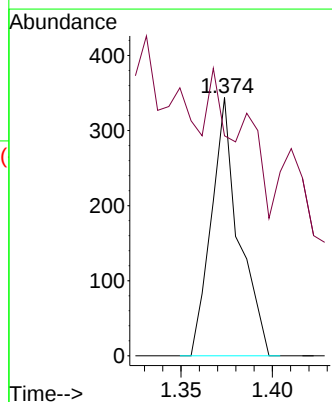
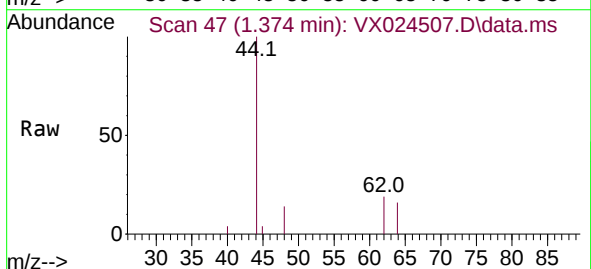
Instrument :
MSVOA_X
ClientSampled :

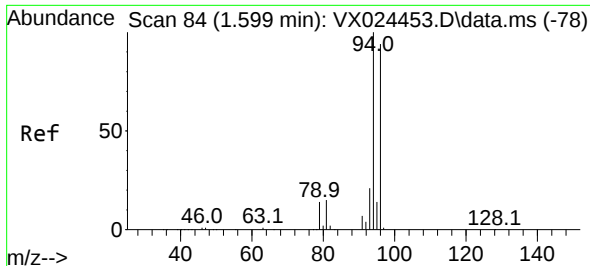
Tgt Ion:168 Resp: 149560
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#4
Vinyl Chloride
Concen: 0.243 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 62 Resp: 361
Ion Ratio Lower Upper
62 100
64 14.0 25.7 38.5#

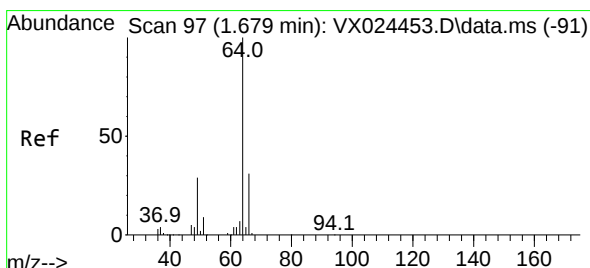
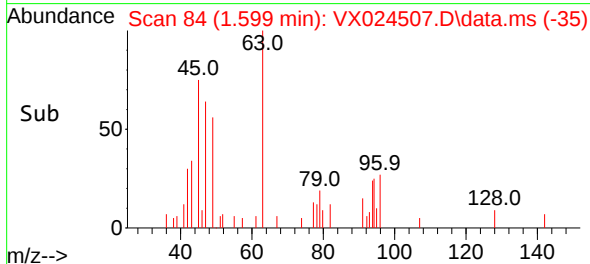
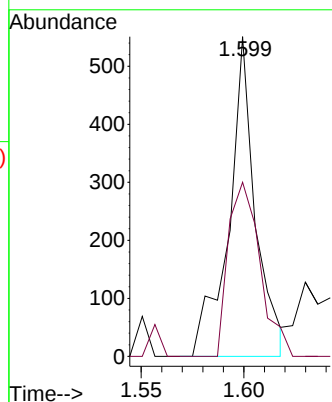
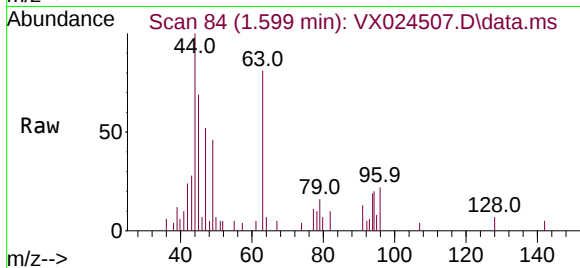




#5
Bromomethane
Concen: 0.497 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

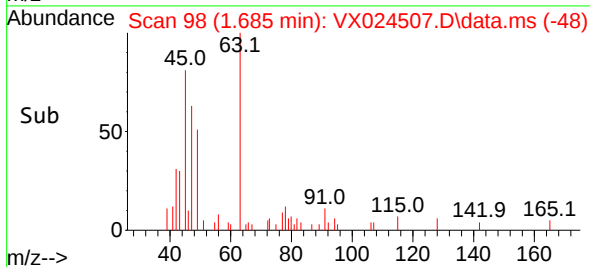
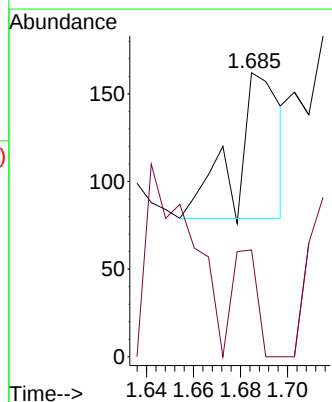
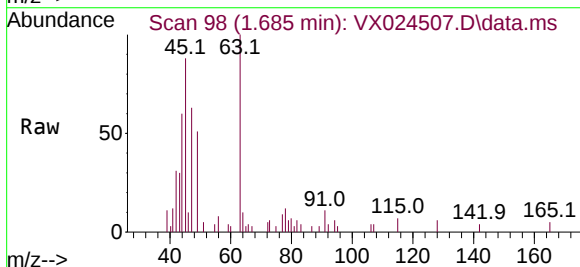
Instrument :
MSVOA_X
ClientSampled :

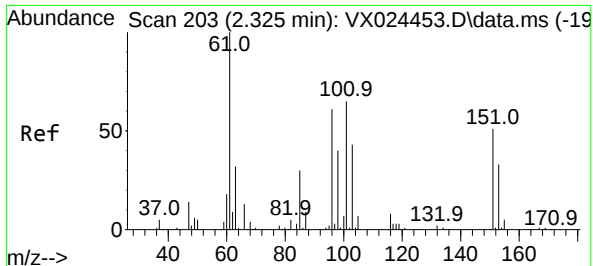
Tgt Ion: 94 Resp: 496
Ion Ratio Lower Upper
94 100
96 54.4 76.4 114.6#



#6
Chloroethane
Concen: 0.369 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 73.5 25.4 38.0#

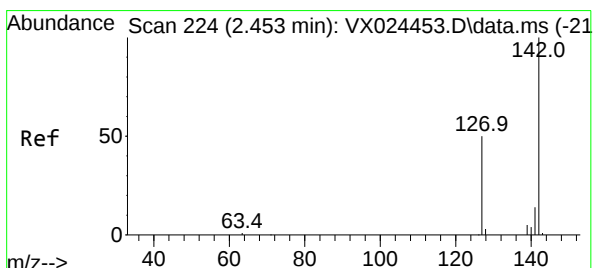
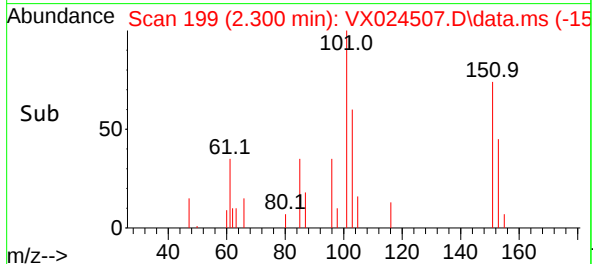
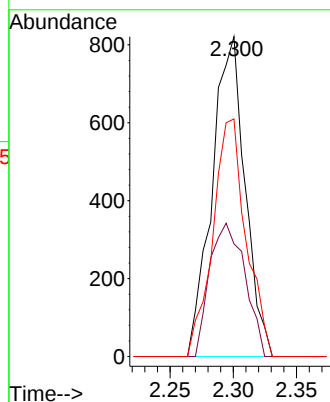
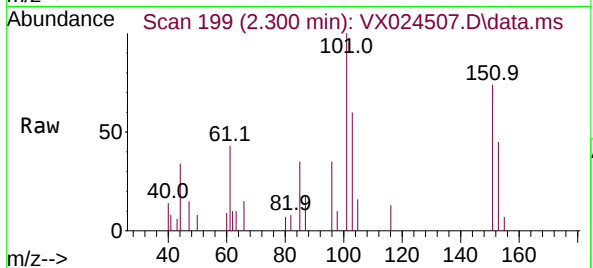




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.007 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.025 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

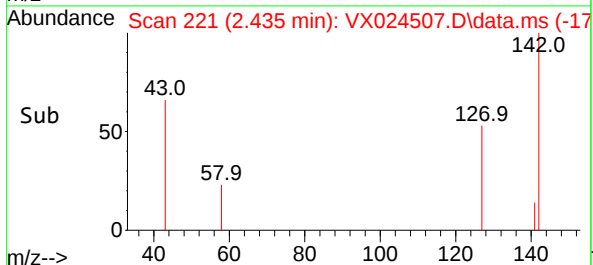
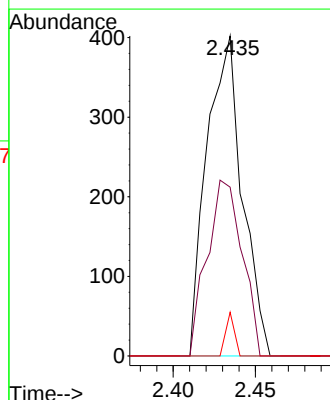
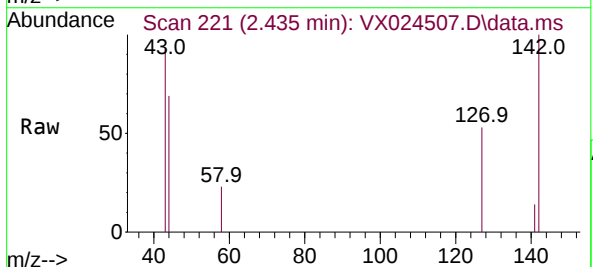
Instrument :
MSVOA_X
ClientSampled :

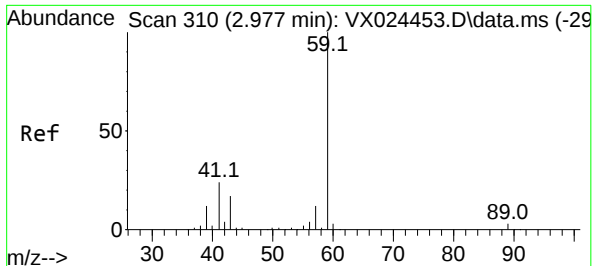
Tgt Ion:101 Resp: 1487
Ion Ratio Lower Upper
101 100
85 44.6 34.9 52.3
151 74.8 61.4 92.2



#10
Methyl Iodide
Concen: 0.291 ug/l
RT: 2.435 min Scan# 221
Delta R.T. -0.018 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion:142 Resp: 601
Ion Ratio Lower Upper
142 100
127 54.4 33.3 49.9#
141 3.3 11.4 17.0#



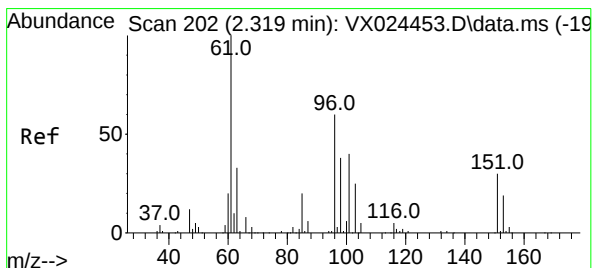
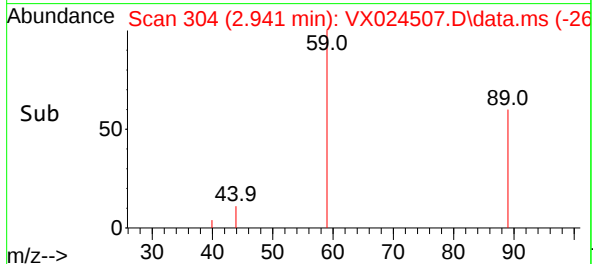
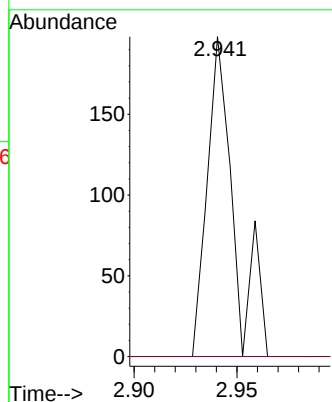
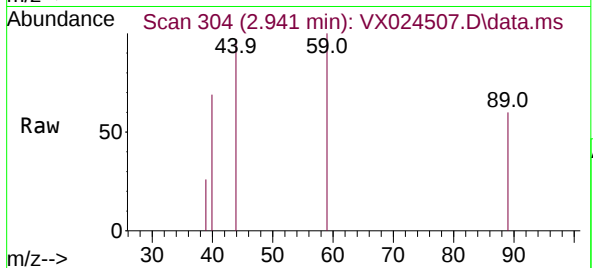


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Instrument :
MSVOA_X
ClientSampled :

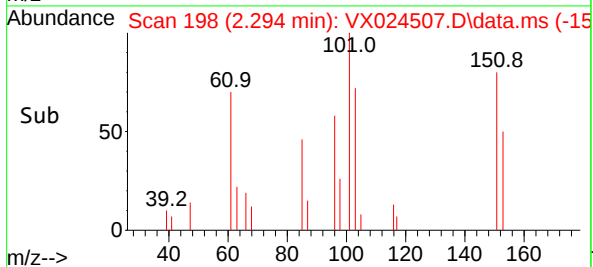
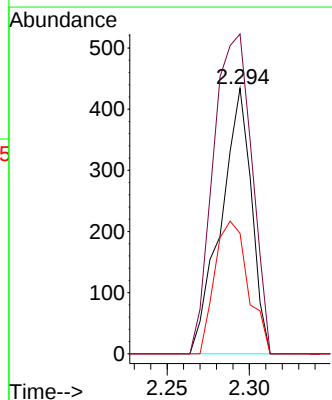
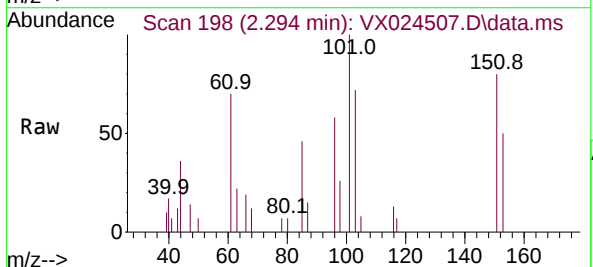
Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

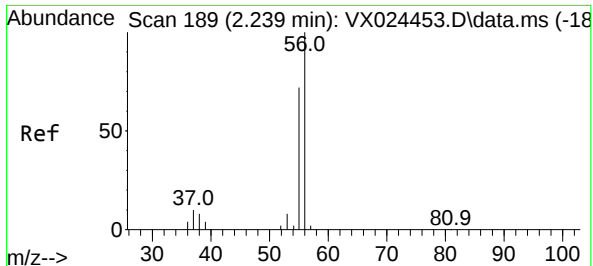


#12

1,1-Dichloroethene
Concen: 0.410 ug/l
RT: 2.294 min Scan# 198
Delta R.T. -0.025 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 96 Resp: 562
Ion Ratio Lower Upper
96 100
61 120.5 124.6 187.0#
98 45.4 50.6 76.0#

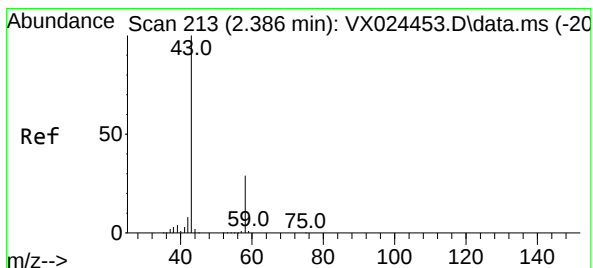
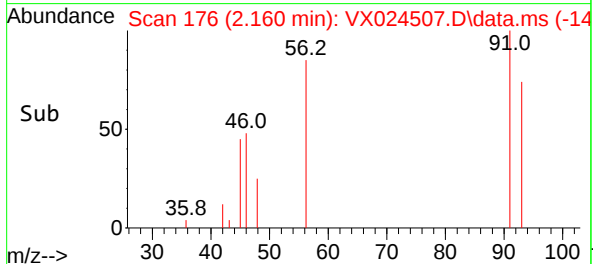
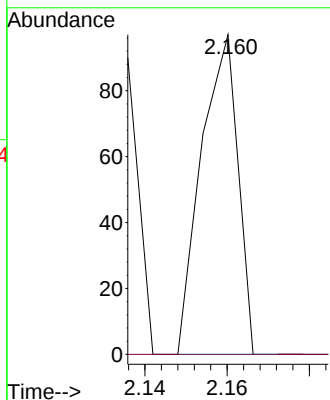
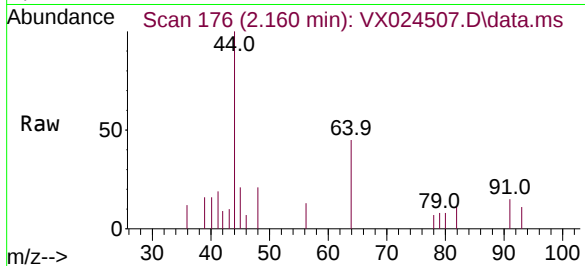




#13
Acrolein
Concen: 10.563 ug/l
RT: 2.160 min Scan# 176
Delta R.T. -0.079 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

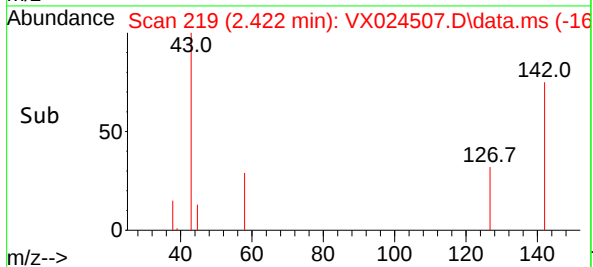
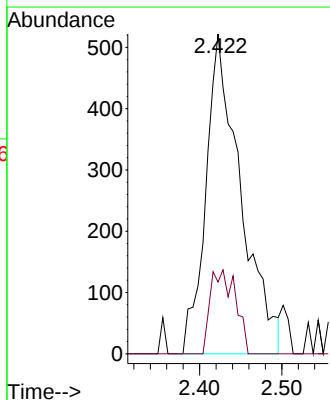
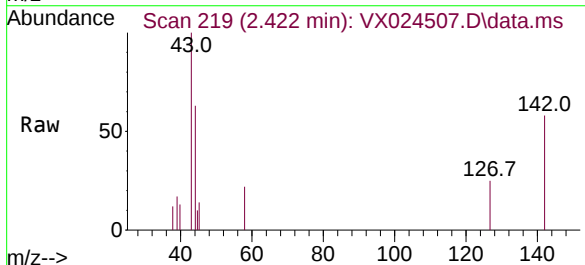
Instrument :
MSVOA_X
ClientSampled :

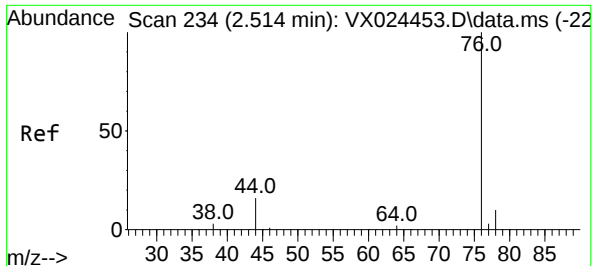
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: Below Cal
RT: 2.422 min Scan# 219
Delta R.T. 0.036 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

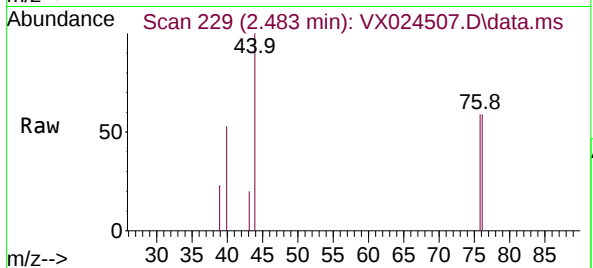
Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
58 22.4 27.8 41.8#



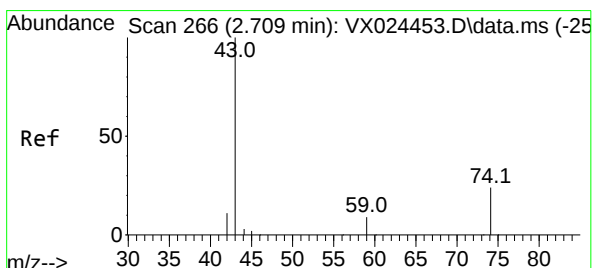
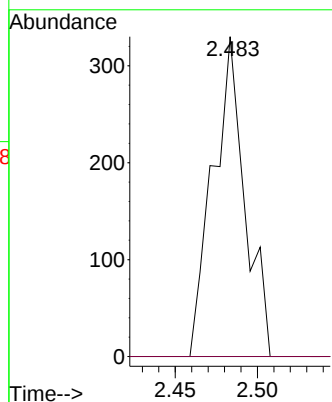
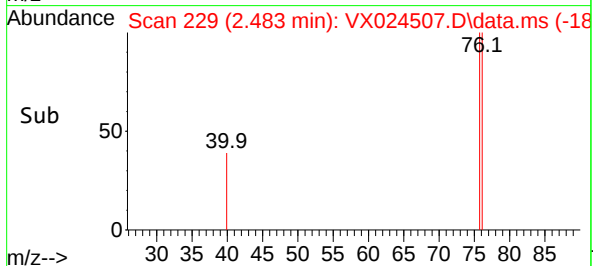


#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.031 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

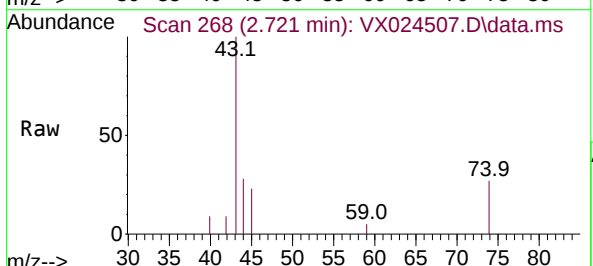
Instrument :
MSVOA_X
ClientSampleId :



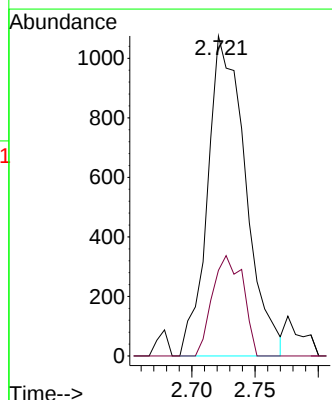
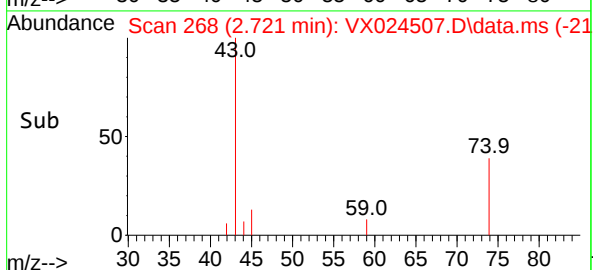
Tgt Ion: 76 Resp: 446
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

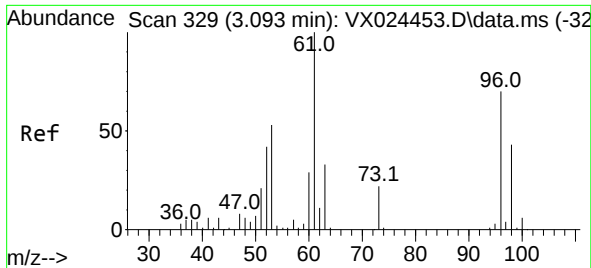


#18
Methyl Acetate
Concen: 0.710 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45



Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
74 25.3 21.9 32.9

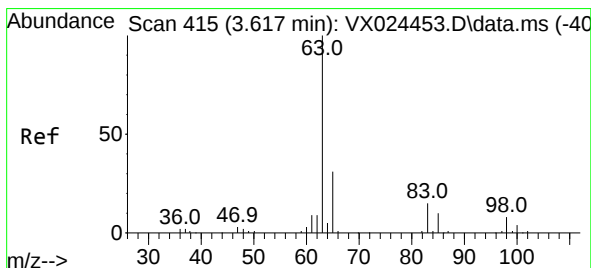
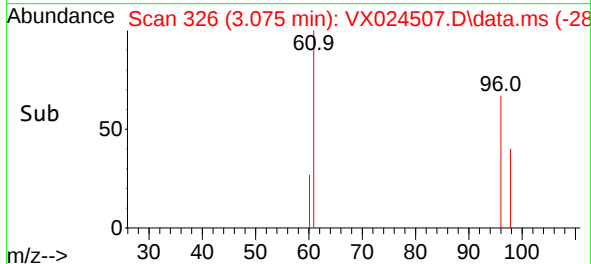
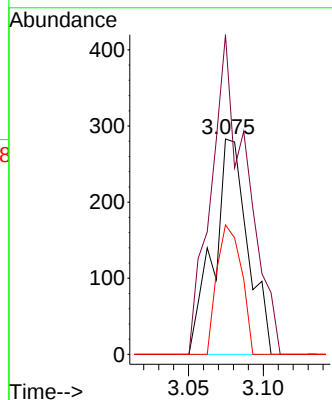
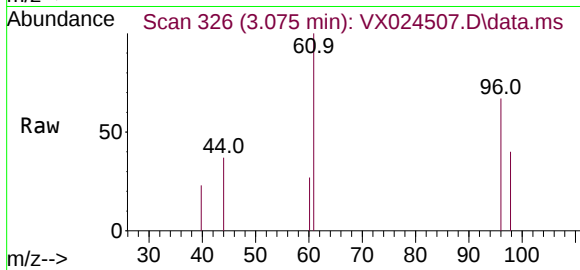




#21
trans-1,2-Dichloroethene
Concen: 0.288 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.018 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

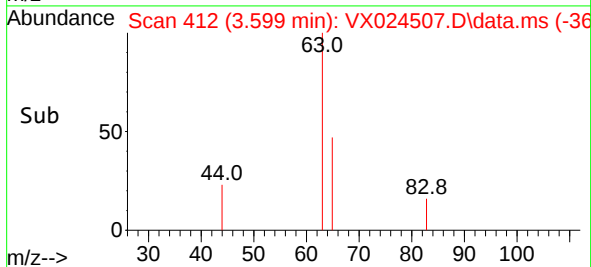
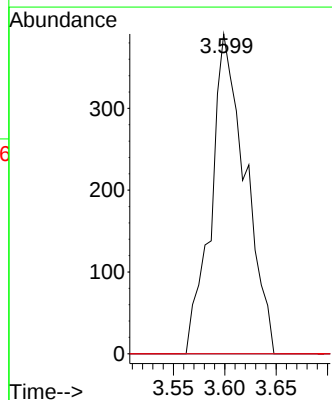
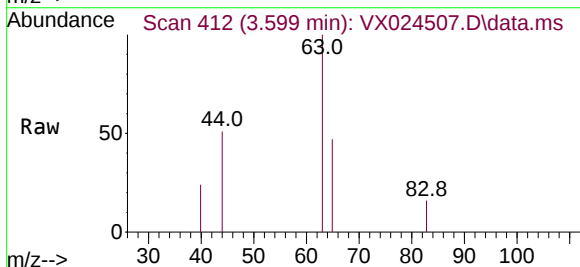
Instrument :
MSVOA_X
ClientSampled :

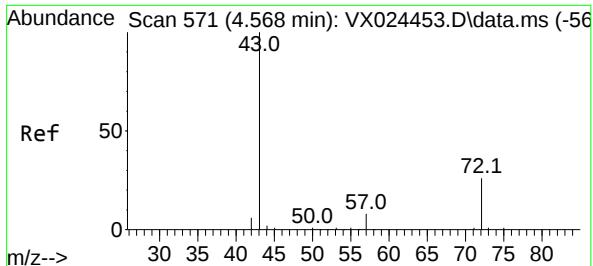
Tgt Ion: 96 Resp: 449
Ion Ratio Lower Upper
96 100
61 148.4 107.7 161.5
98 60.1 50.4 75.6



#24
1,1-Dichloroethane
Concen: 0.318 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.018 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 63 Resp: 905
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#

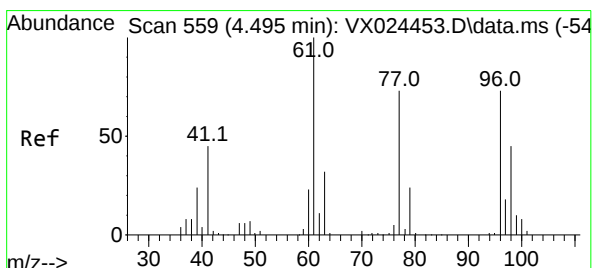
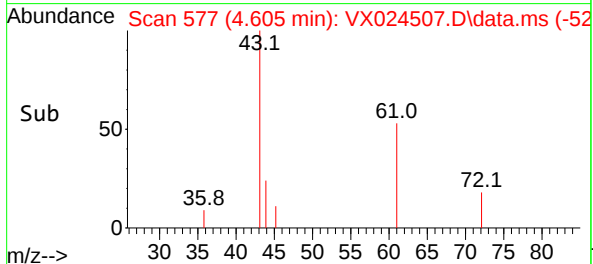
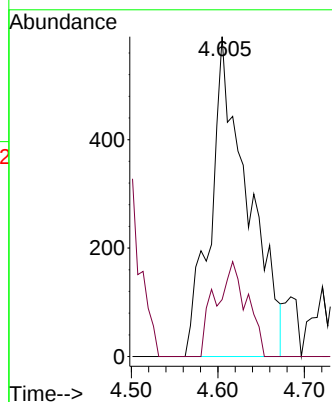
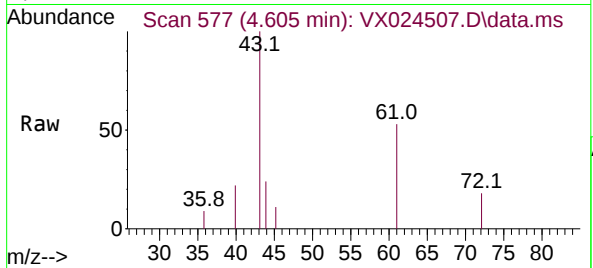




#25
2-Butanone
Concen: 1.206 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

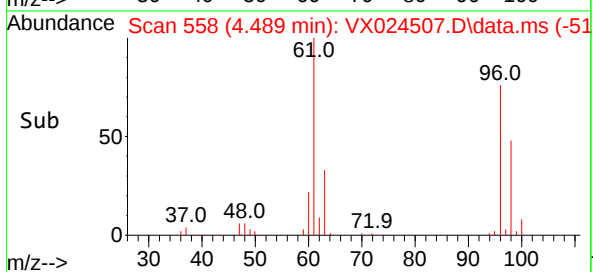
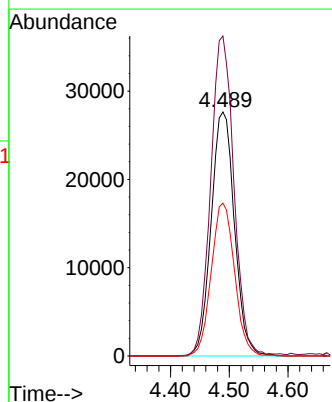
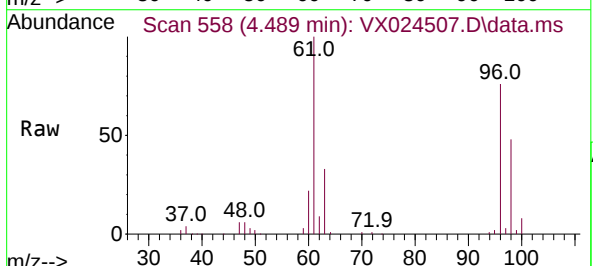
Instrument :
MSVOA_X
ClientSampled :

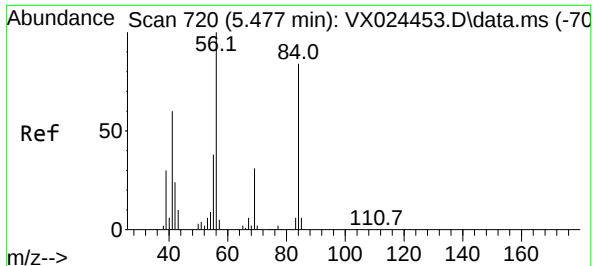
Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
72 17.8 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 41.799 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 96 Resp: 76057
Ion Ratio Lower Upper
96 100
61 131.1 0.0 285.6
98 62.8 0.0 129.6

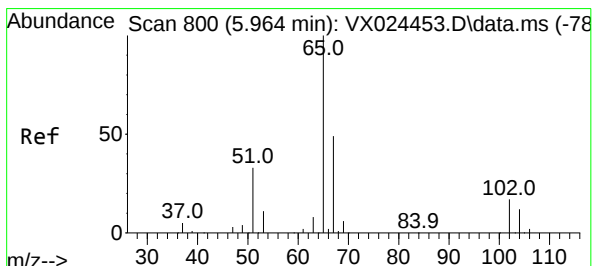
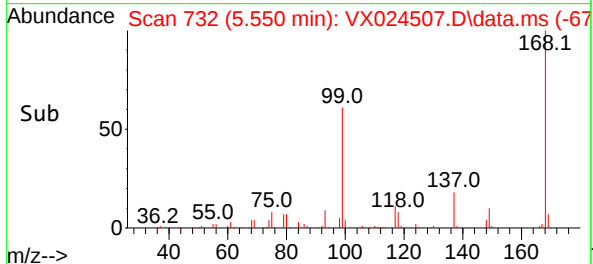
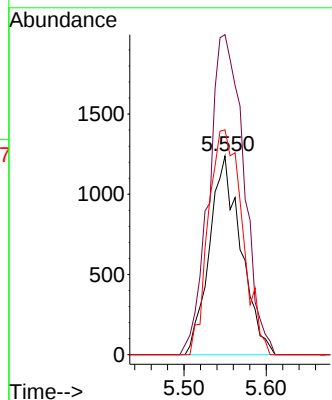
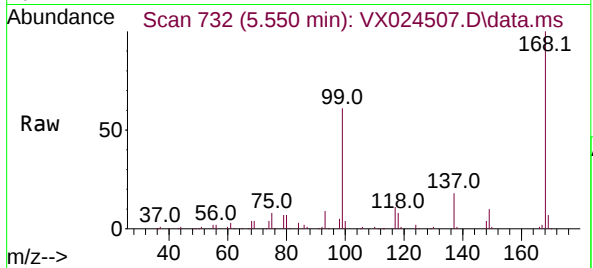




#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

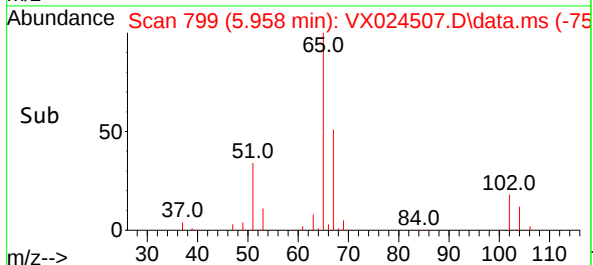
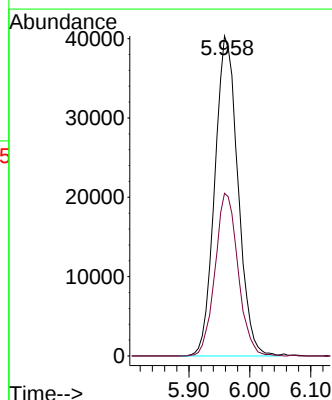
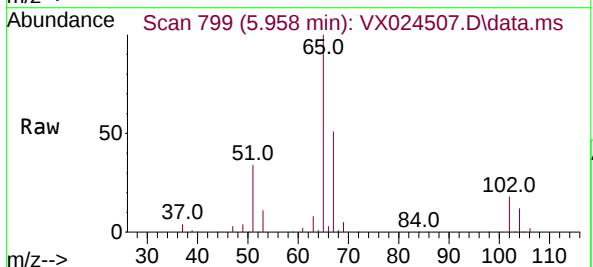
Instrument :
MSVOA_X
ClientSampled :

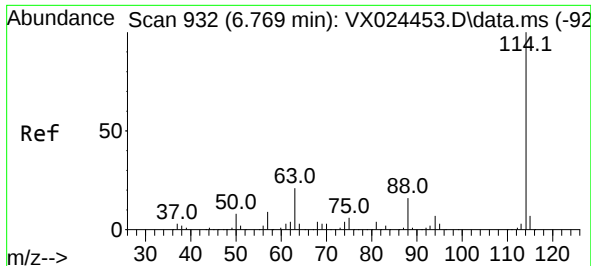
Tgt Ion: 56 Resp: 3313
Ion Ratio Lower Upper
56 100
69 161.1 25.3 37.9#
84 113.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.523 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 65 Resp: 106495
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

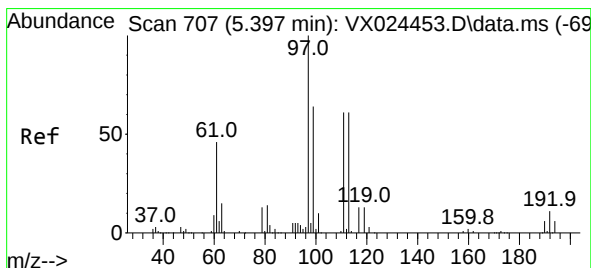
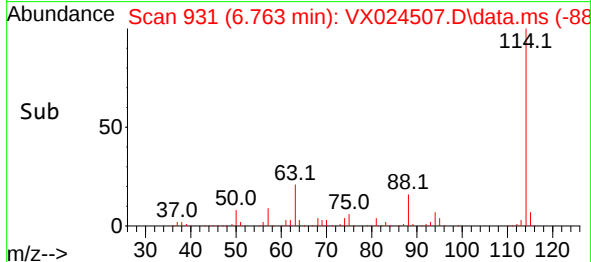
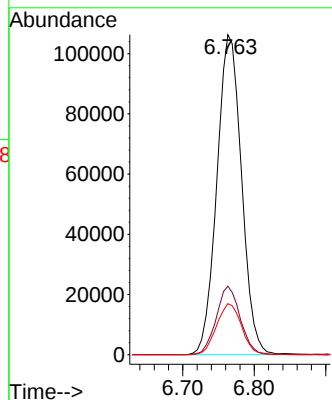
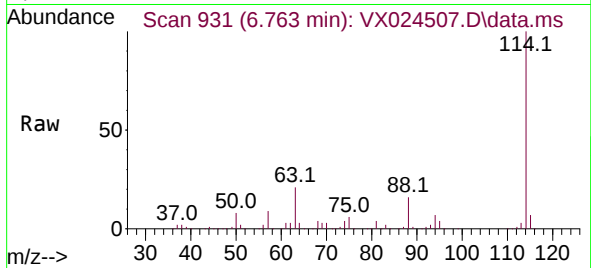




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

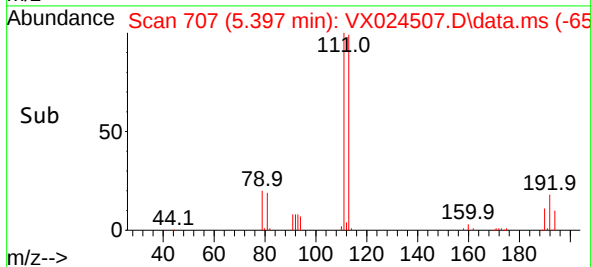
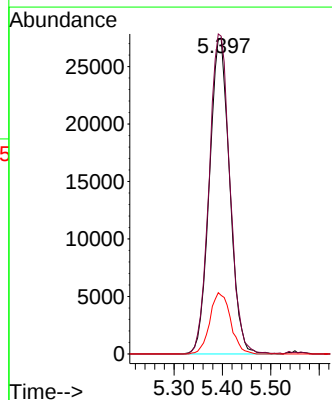
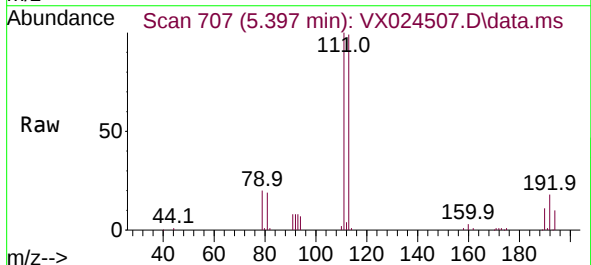
Instrument :
MSVOA_X
ClientSampleId :

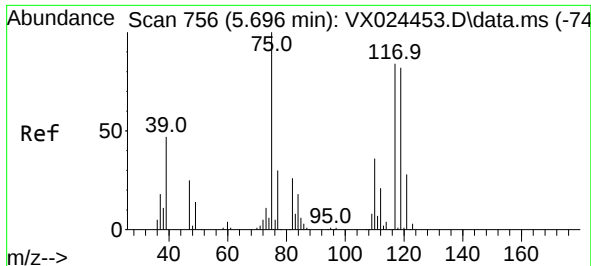
Tgt Ion:114 Resp: 254582
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.223 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion:113 Resp: 79866
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 19.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.772 ug/l

RT: 5.550 min Scan# 732

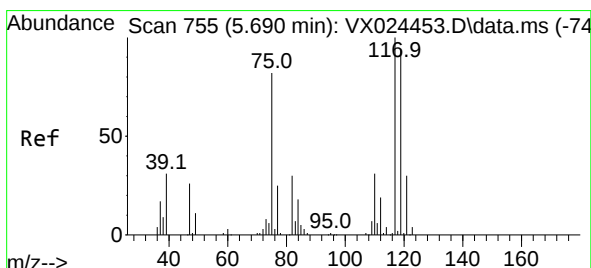
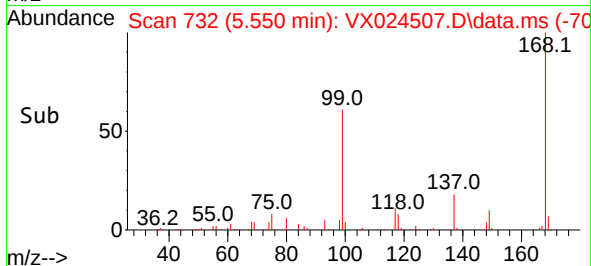
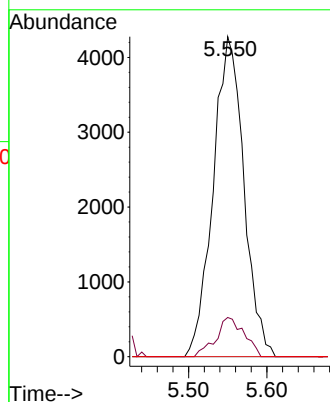
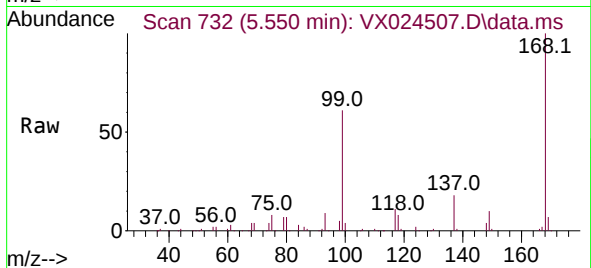
Delta R.T. -0.146 min

Lab File: VX024507.D

Acq: 01 Oct 2021 17:45

Tgt Ion:	75	Resp:	11647
Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.949 ug/l

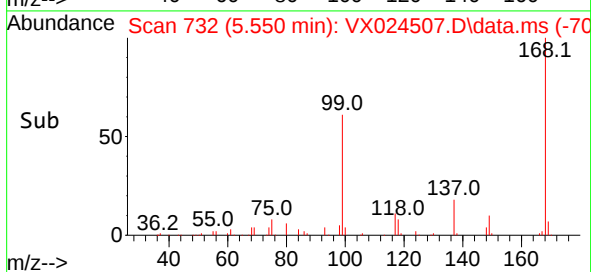
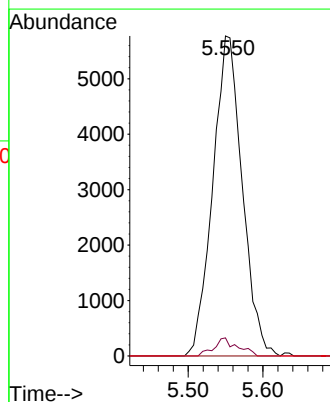
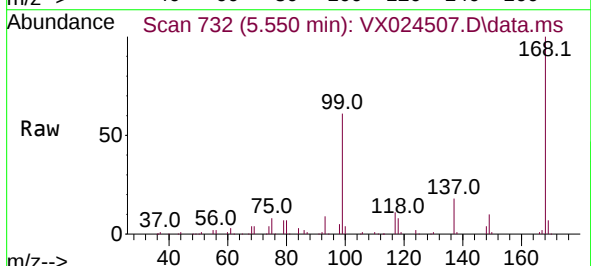
RT: 5.550 min Scan# 732

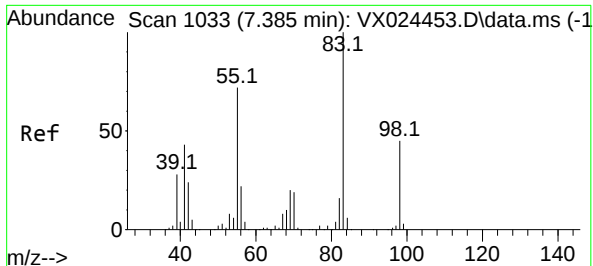
Delta R.T. -0.140 min

Lab File: VX024507.D

Acq: 01 Oct 2021 17:45

Tgt Ion:	117	Resp:	15805
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	24.8	37.2#





#39

Methylcyclohexane

Concen: 0.623 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX024507.D

Acq: 01 Oct 2021 17:45

Tgt Ion: 83 Resp: 1781

Ion Ratio Lower Upper

83 100

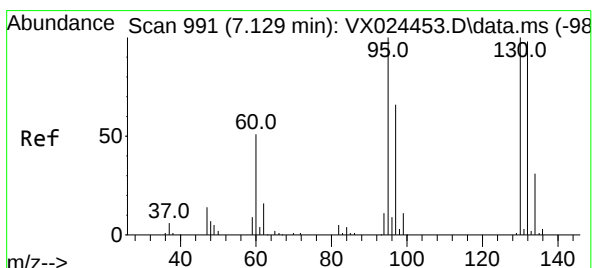
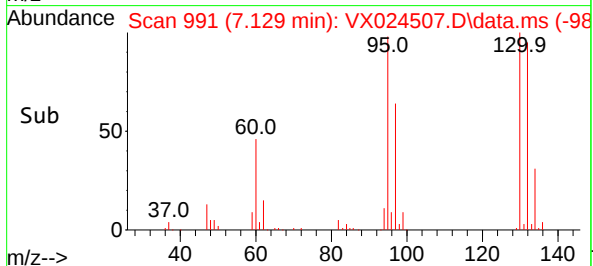
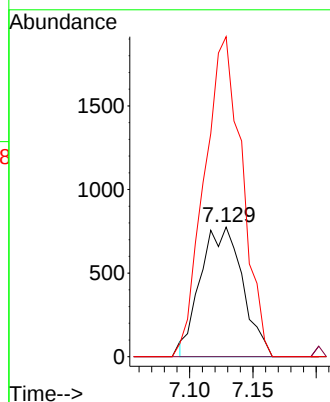
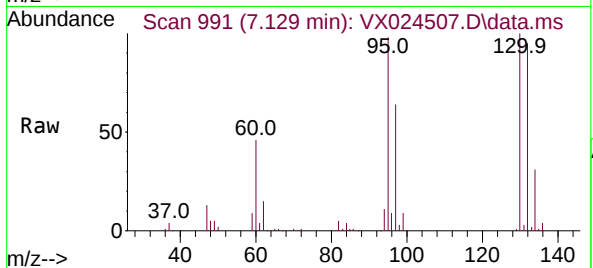
55 0.0 58.9 88.3#

98 247.0 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :



#44

Trichloroethene

Concen: 76.122 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX024507.D

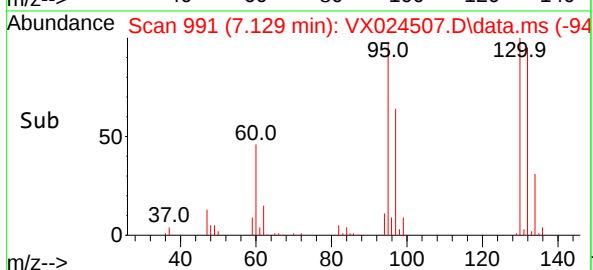
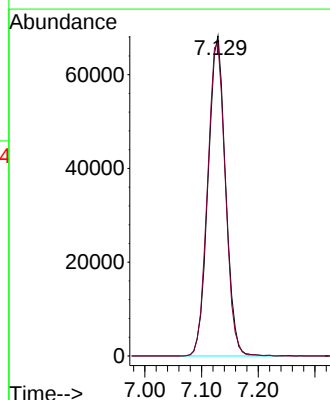
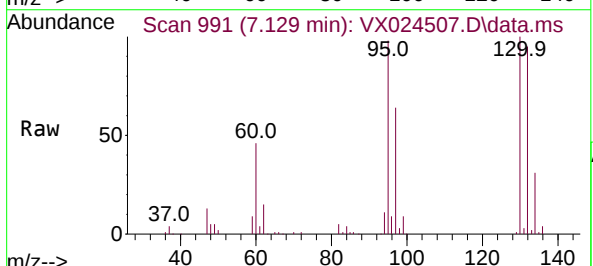
Acq: 01 Oct 2021 17:45

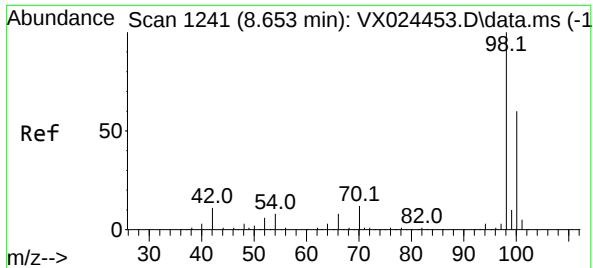
Tgt Ion:130 Resp: 146164

Ion Ratio Lower Upper

130 100

95 97.7 0.0 198.0

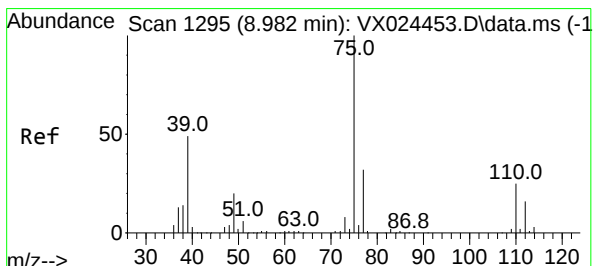
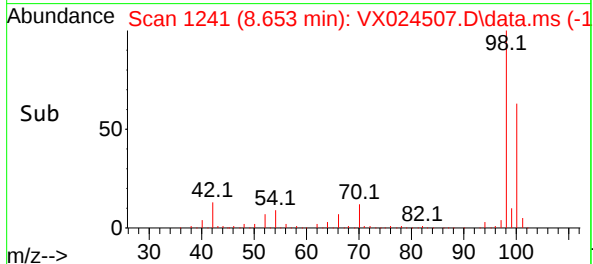
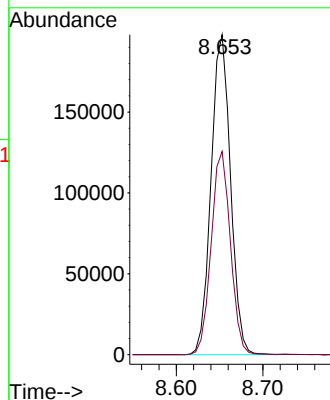
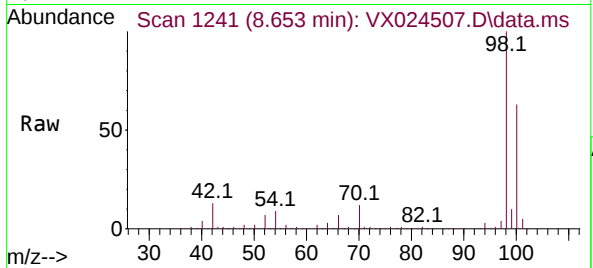




#50
Toluene-d8
Concen: 49.608 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

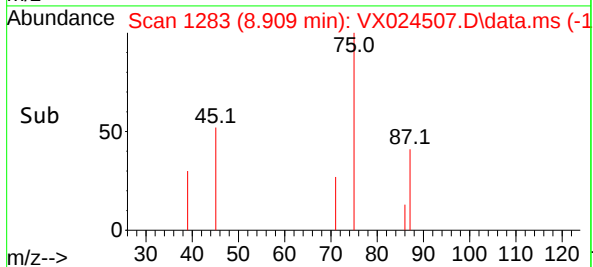
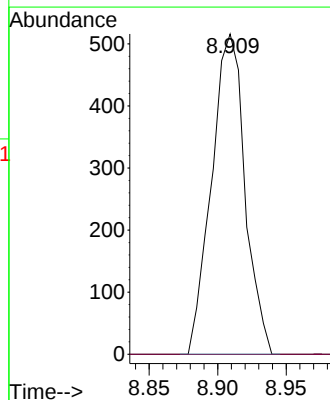
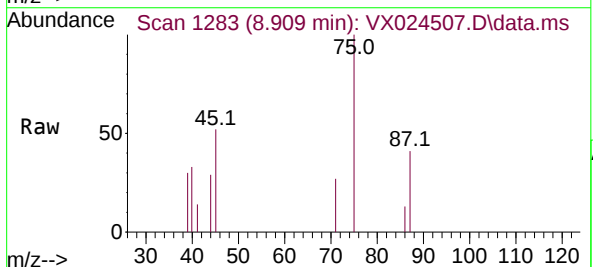
Instrument :
MSVOA_X
ClientSampled :

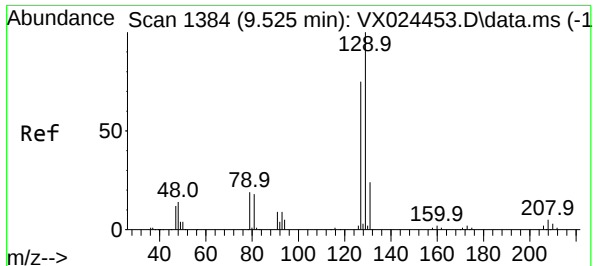
Tgt Ion: 98 Resp: 308798
Ion Ratio Lower Upper
98 100
100 62.8 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 8.909 min Scan# 1283
Delta R.T. -0.073 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 75 Resp: 874
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

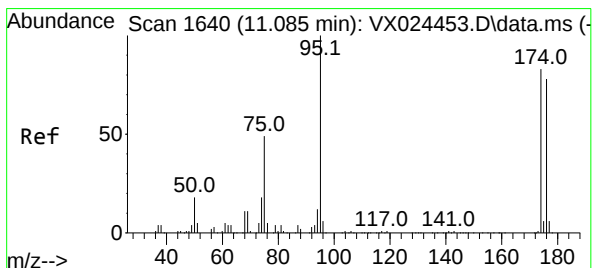
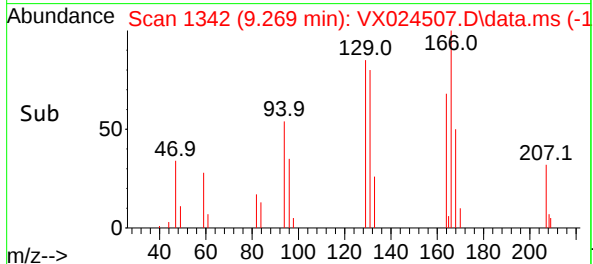
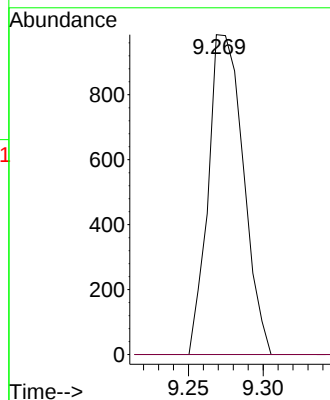
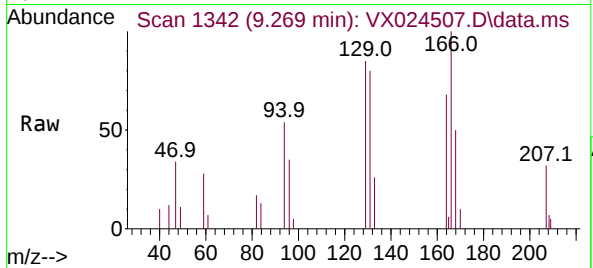




#60
Dibromochloromethane
Concen: 1.929 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

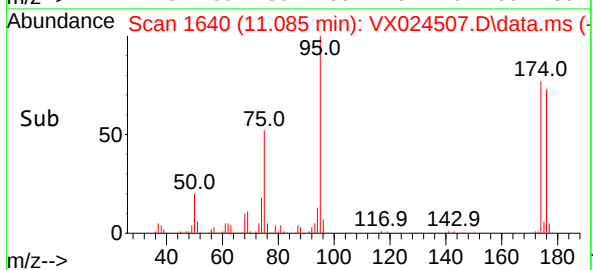
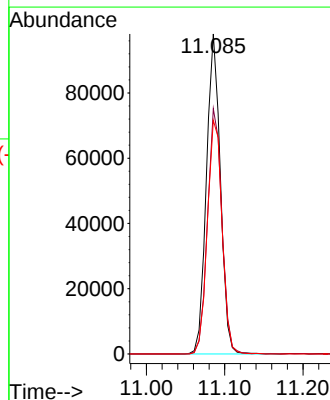
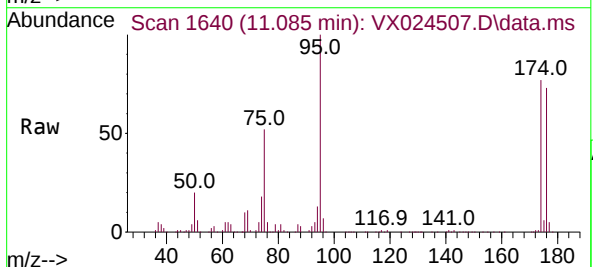
Instrument :
MSVOA_X
ClientSampled :

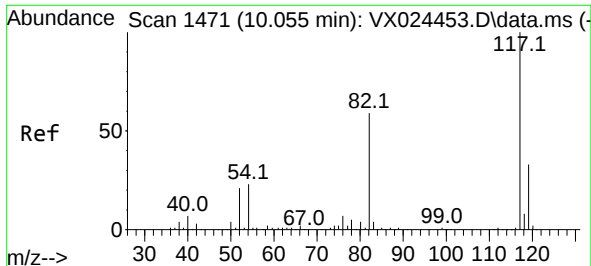
Tgt Ion:129 Resp: 1607
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 95 Resp: 120788
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 77.3 0.0 155.8

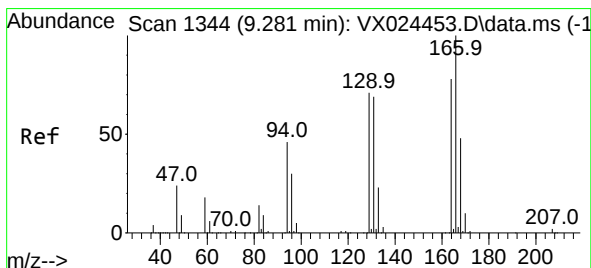
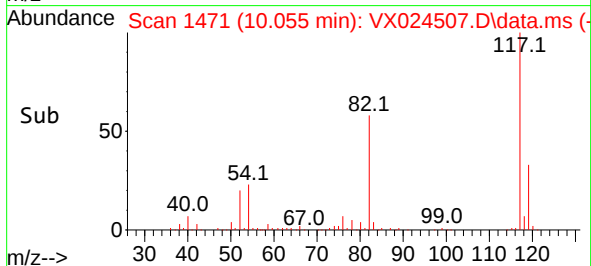
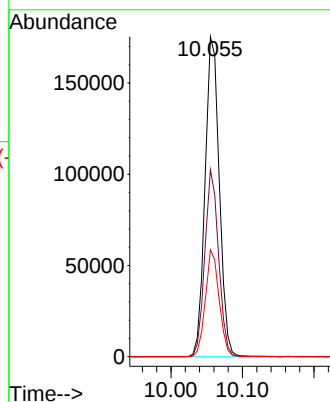
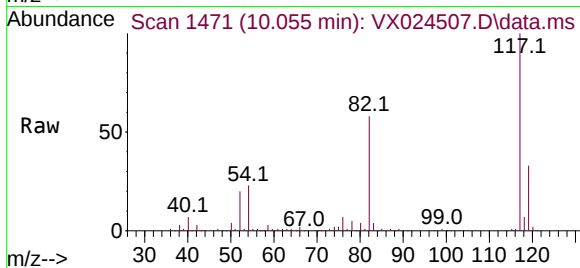




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

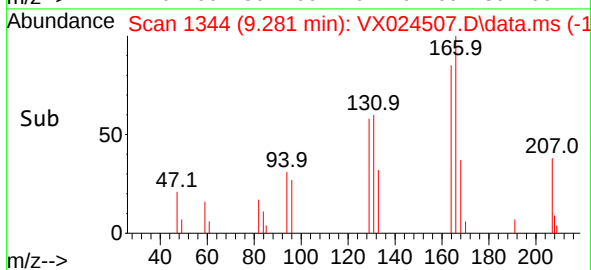
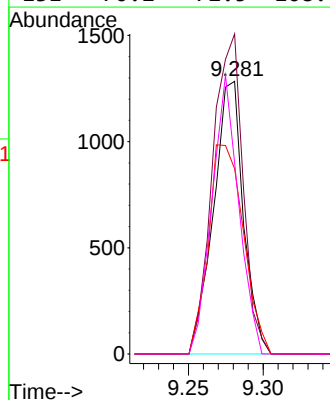
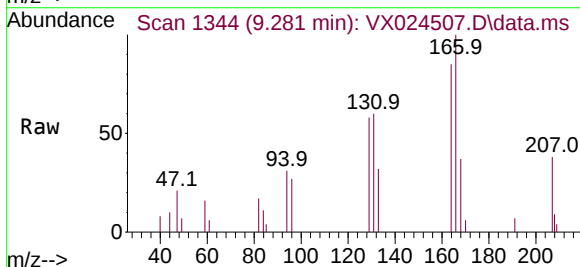
Instrument :
MSVOA_X
ClientSampleId :

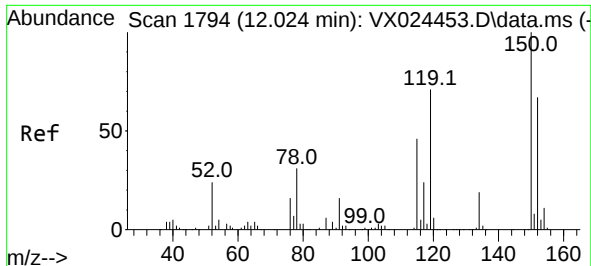
Tgt Ion:117 Resp: 243094
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 33.4 26.6 39.8



#64
Tetrachloroethene
Concen: 1.066 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion:164 Resp: 1793
Ion Ratio Lower Upper
164 100
166 117.4 103.4 155.2
129 68.0 70.8 106.2#
131 70.2 72.5 108.7#

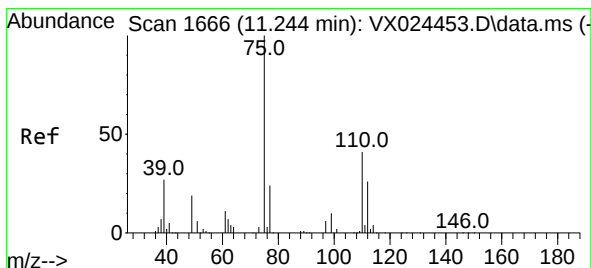
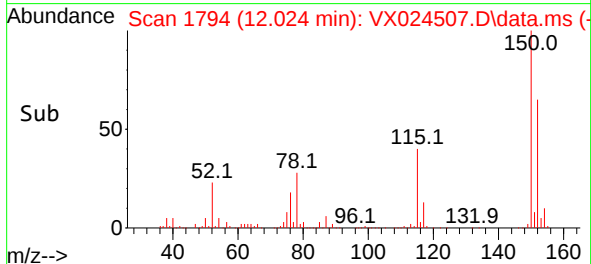
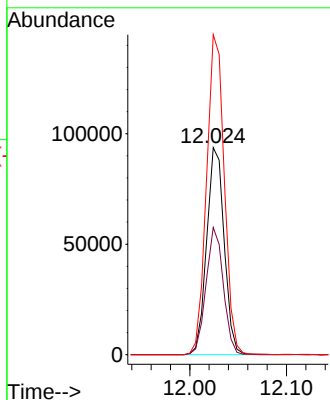
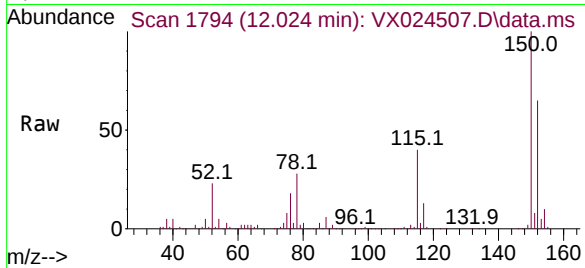




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024507.D
 Acq: 01 Oct 2021 17:45

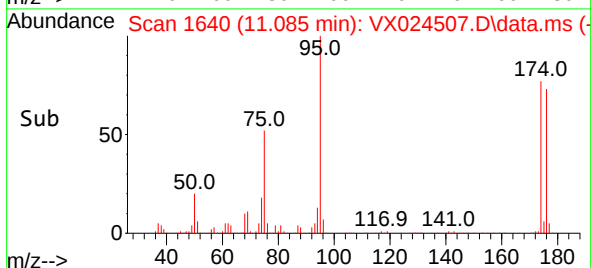
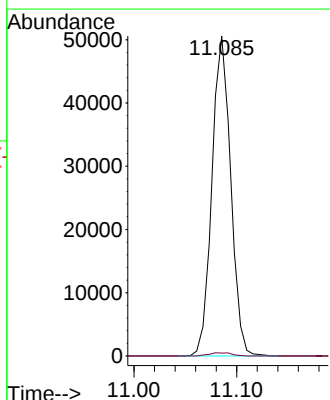
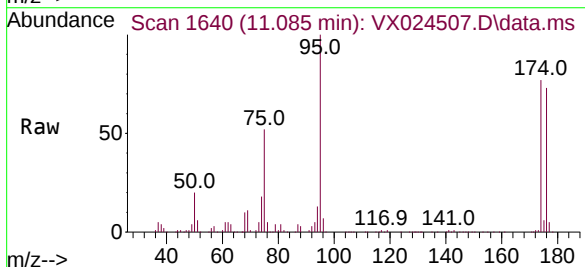
Instrument :
 MSVOA_X
 ClientSampled :

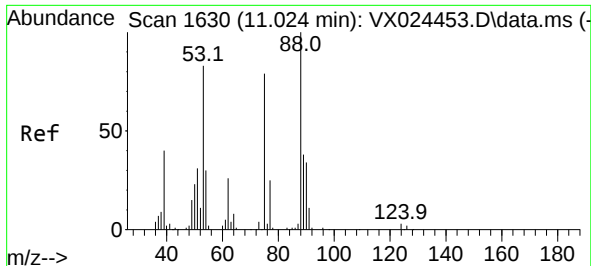
Tgt Ion:152 Resp: 117871
 Ion Ratio Lower Upper
 152 100
 115 60.5 41.1 123.3
 150 156.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.909 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024507.D
 Acq: 01 Oct 2021 17:45

Tgt Ion: 75 Resp: 63998
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

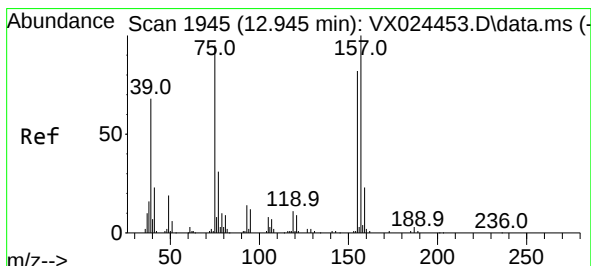
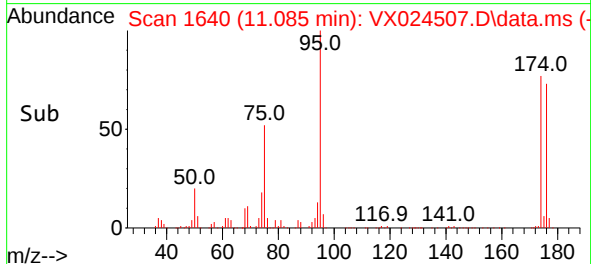
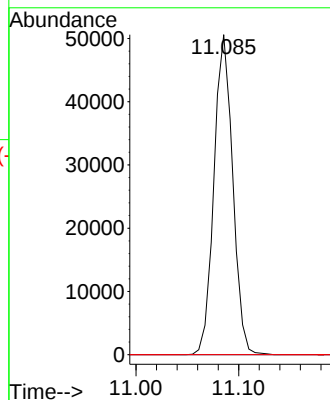
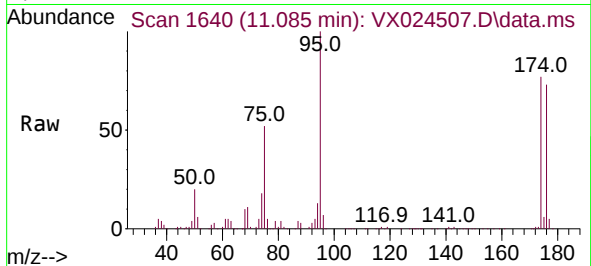




#81
trans-1,4-Dichloro-2-butene
Concen: 65.282 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 63998
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.773 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX024507.D
Acq: 01 Oct 2021 17:45

Tgt Ion: 75 Resp: 550
Ion Ratio Lower Upper
75 100
155 9.3 45.3 135.9#
157 0.0 57.7 173.1#

