

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX023998.D
 Acq On : 27 Aug 2021 17:31
 Operator : JC/MD
 Sample : M3561-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VE4-7

Quant Time: Aug 28 04:58:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

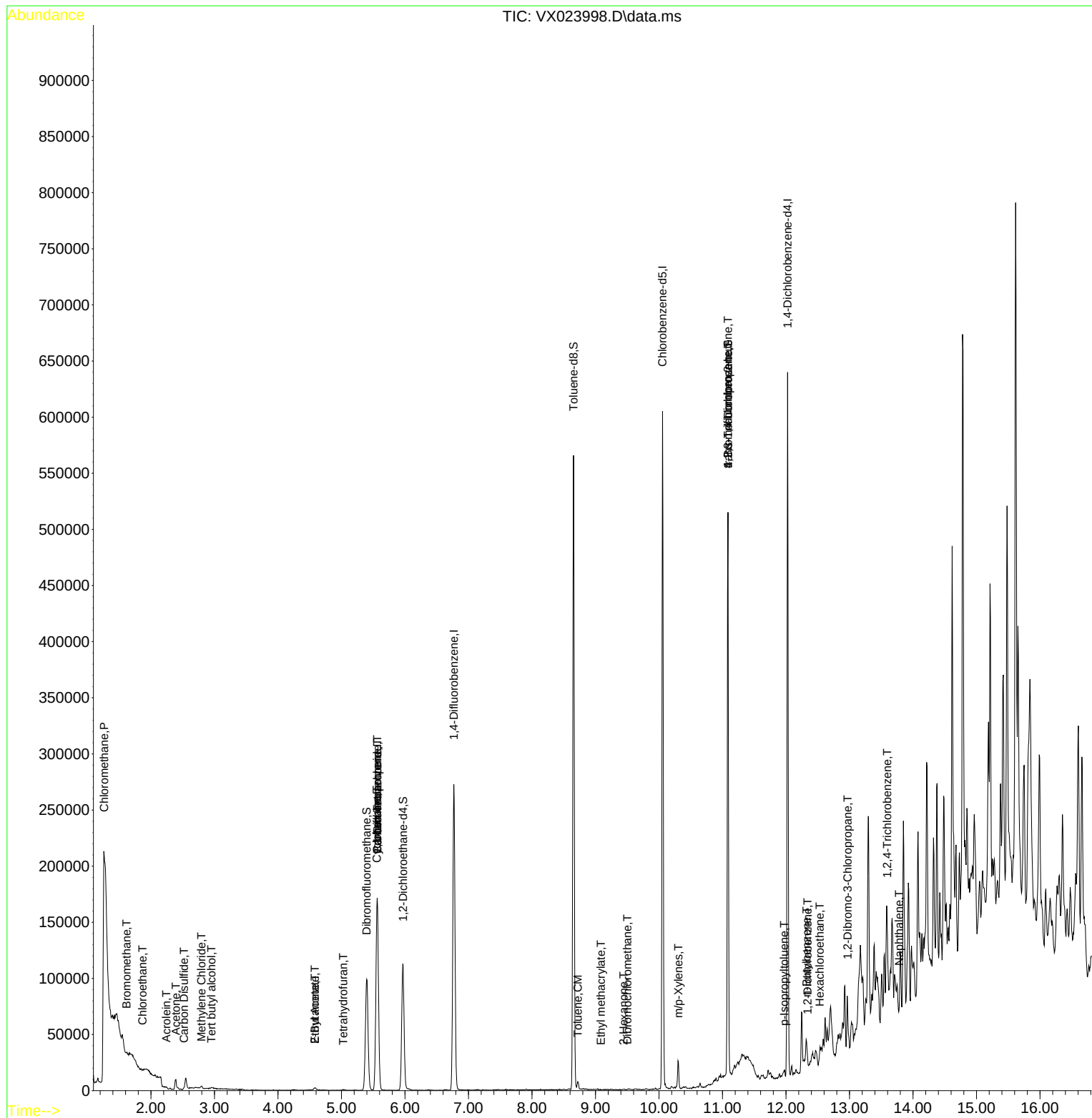
Internal Standards						
1) Pentafluorobenzene	5.562	168	156355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	267621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	111864	51.262	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.520%	
35) Dibromofluoromethane	5.397	113	85191	48.095	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.180%	
50) Toluene-d8	8.653	98	322498	47.836	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.680%	
62) 4-Bromofluorobenzene	11.085	95	124552	50.186	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	15330	8.465	ug/l #	42
5) Bromomethane	1.618	94	434	0.391	ug/l #	80
6) Chloroethane	1.868	64	1150	2.963	ug/l #	63
11) Tert butyl alcohol	2.953	59	571	1.294	ug/l #	73
13) Acrolein	2.240	56	71	0.270	ug/l #	14
16) Acetone	2.392	43	9956	10.204	ug/l	88
17) Carbon Disulfide	2.520	76	2415	0.675	ug/l #	94
20) Methylene Chloride	2.794	84	814	0.437	ug/l #	86
25) 2-Butanone	4.581	43	4072	2.755	ug/l	96
29) Tetrahydrofuran	5.026	42	245	0.256	ug/l #	35
31) Cyclohexane	5.556	56	3585	1.279	ug/l #	32
36) 1,1-Dichloropropene	5.562	75	12577	5.075	ug/l #	49
37) Ethyl Acetate	4.581	43	4072	1.337	ug/l #	64
38) Carbon Tetrachloride	5.562	117	16505	6.386	ug/l #	15
52) Toluene	8.720	92	2112	0.445	ug/l	100
56) Ethyl methacrylate	9.086	69	18	0.765	ug/l #	1
59) 2-Hexanone	9.439	43	518	0.219	ug/l #	55
60) Dibromochloromethane	9.500	129	20	1.697	ug/l #	11
68) m/p-Xylenes	10.305	106	5350	1.517	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	68403	24.419	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	68403	71.829	ug/l #	12
86) p-Isopropyltoluene	11.969	119	1785	0.234	ug/l	91
89) n-Butylbenzene	12.323	91	2528	0.372	ug/l #	34
90) Hexachloroethane	12.530	117	860	2.095	ug/l #	15
91) 1,2-Dichlorobenzene	12.341	146	1085	0.274	ug/l #	73
92) 1,2-Dibromo-3-Chloropr...	12.969	75	206	2.442	ug/l #	53
93) 1,2,4-Trichlorobenzene	13.591	180	537	0.226	ug/l #	1
95) Naphthalene	13.780	128	5581	1.902	ug/l #	92

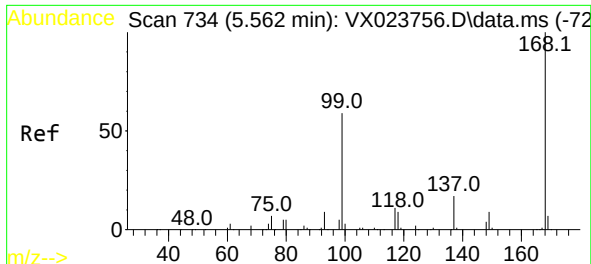
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
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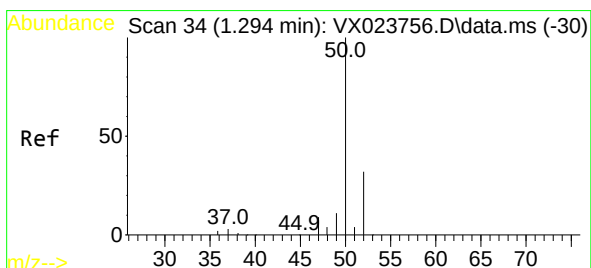
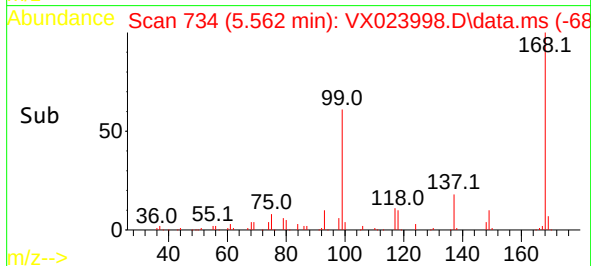
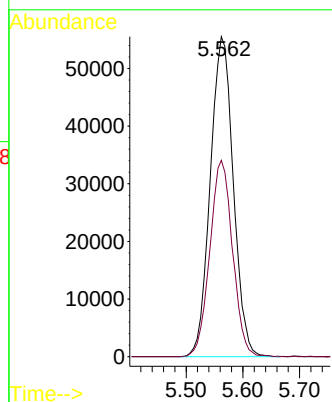
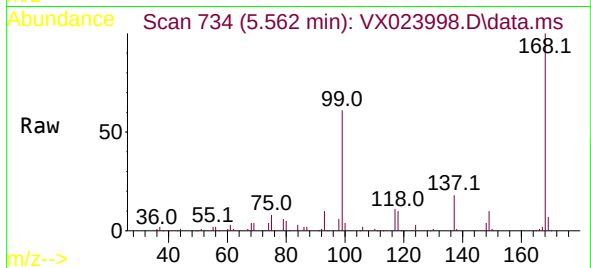




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

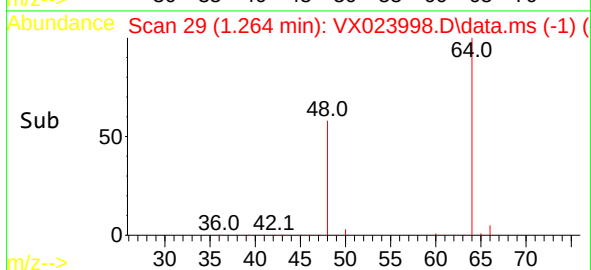
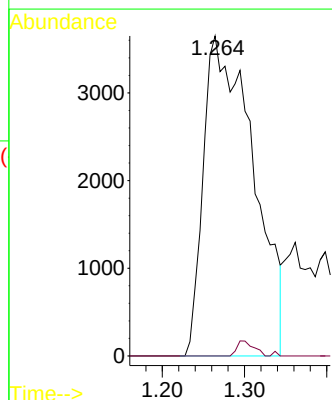
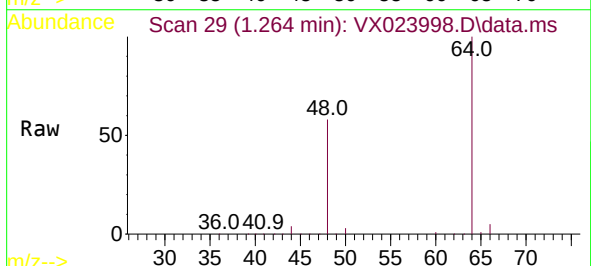
Instrument :
MSVOA_X
ClientSampled :
VE4-7

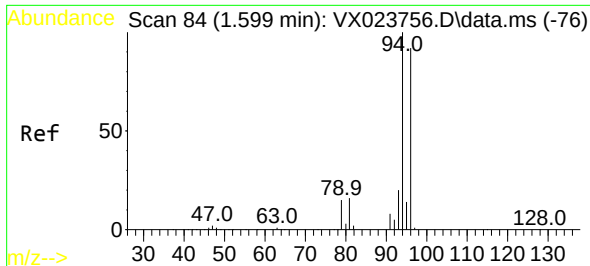
Tgt Ion:168 Resp: 156355
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#3
Chloromethane
Concen: 8.465 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.030 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

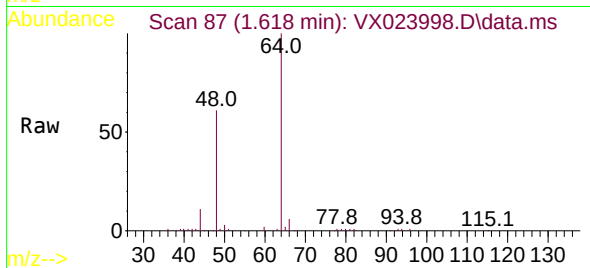
Tgt Ion: 50 Resp: 15330
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



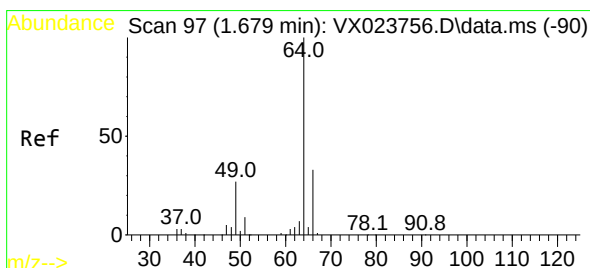
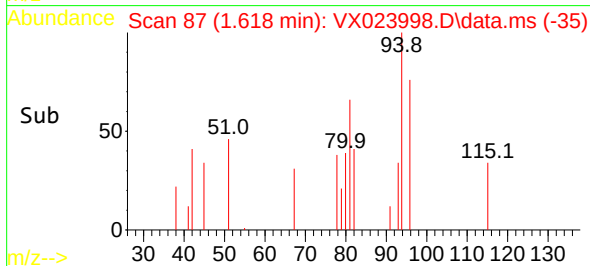
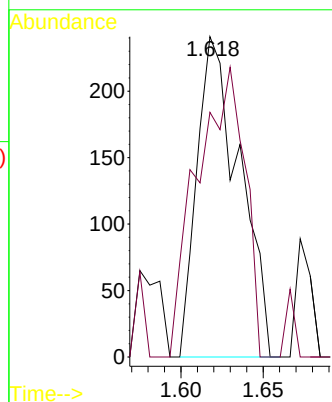


#5
Bromomethane
Concen: 0.391 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Instrument :
MSVOA_X
ClientSampled :
VE4-7

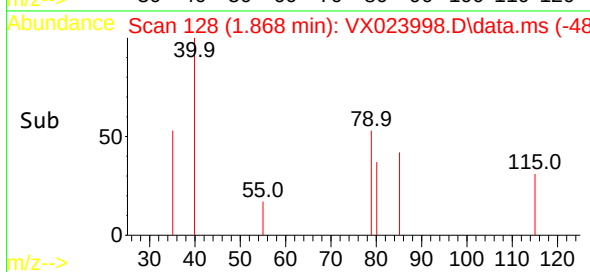
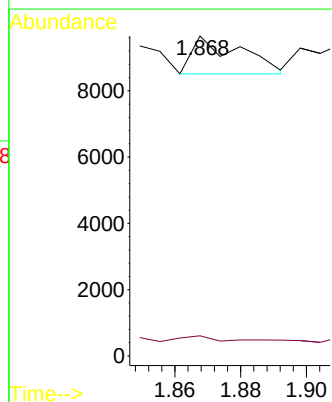
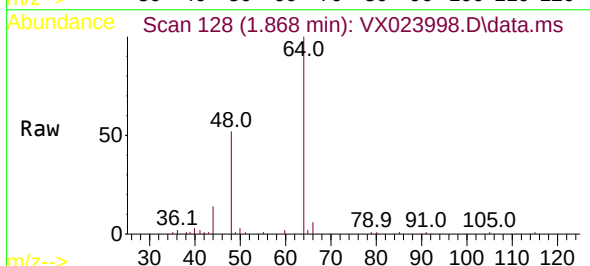


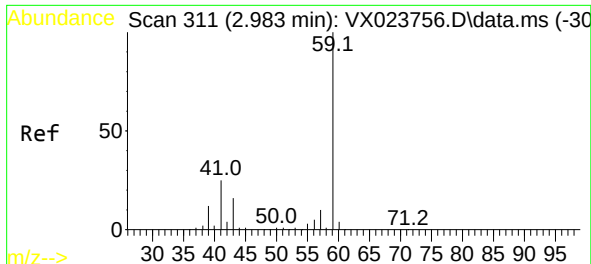
Tgt Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 76.3 76.4 114.6#



#6
Chloroethane
Concen: 2.963 ug/l
RT: 1.868 min Scan# 128
Delta R.T. 0.189 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 64 Resp: 1150
Ion Ratio Lower Upper
64 100
66 11.2 25.4 38.0#

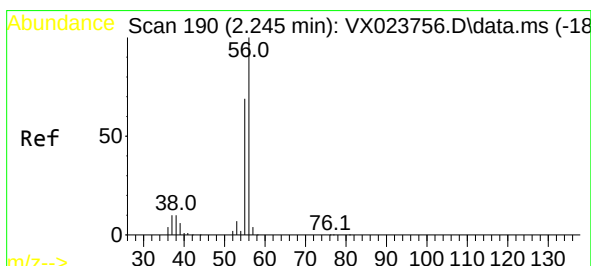
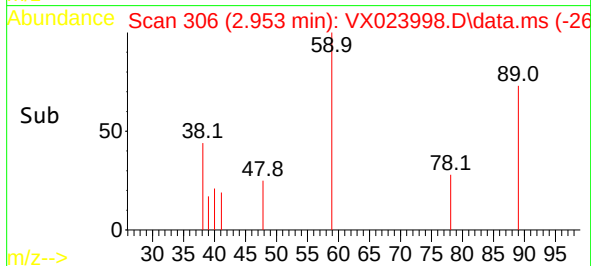
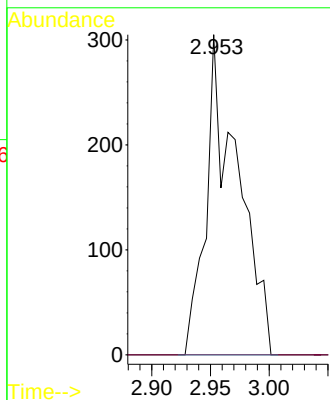
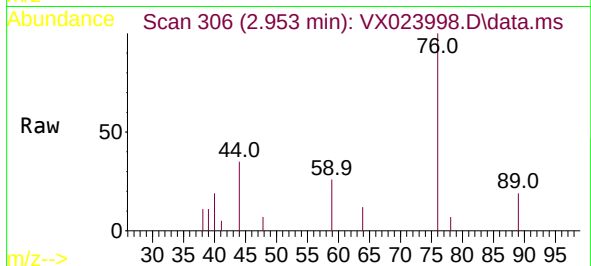




#11
Tert butyl alcohol
Concen: 1.294 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

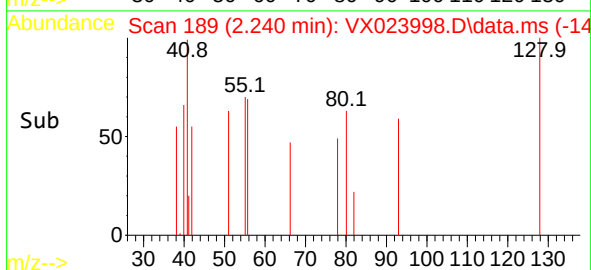
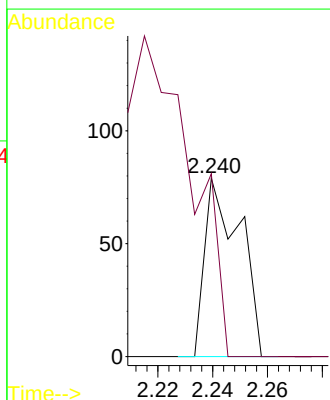
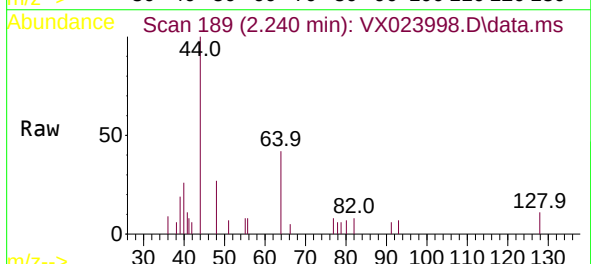
Instrument :
MSVOA_X
ClientSampled :
VE4-7

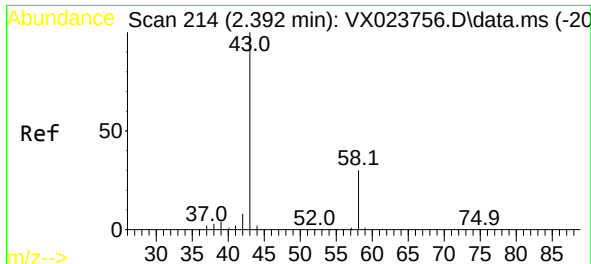
Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.270 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

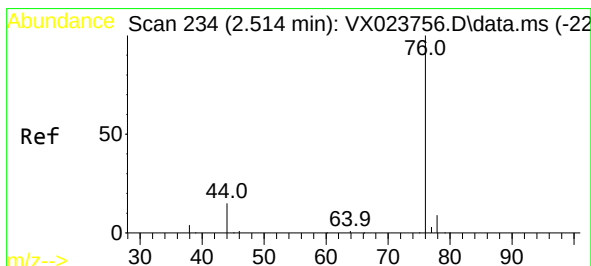
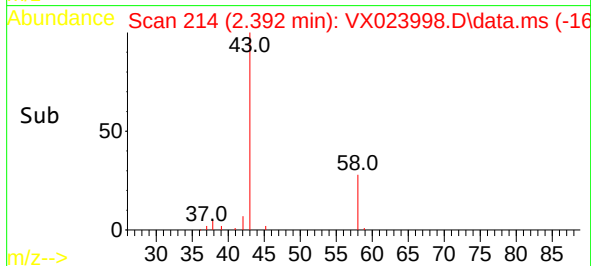
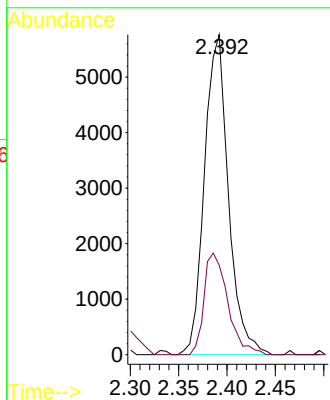
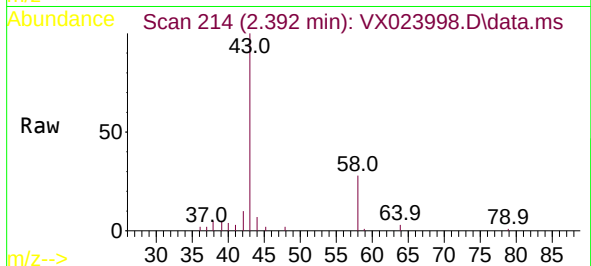




#16
Acetone
Concen: 10.204 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

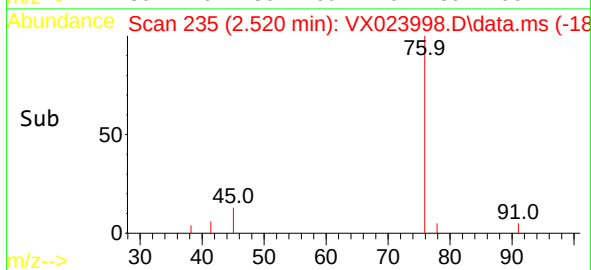
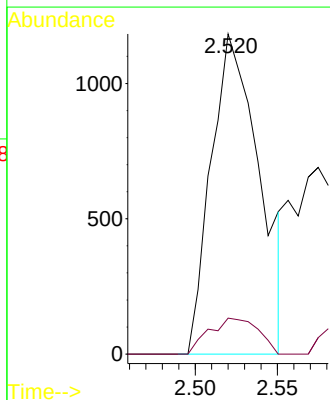
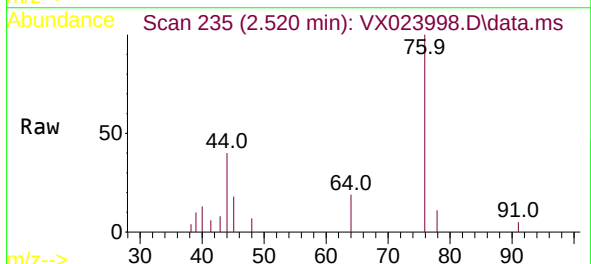
Instrument :
MSVOA_X
ClientSampled :
VE4-7

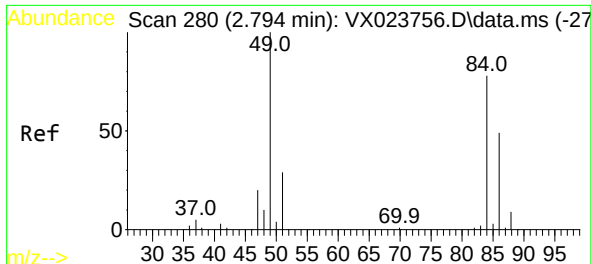
Tgt Ion: 43 Resp: 9956
Ion Ratio Lower Upper
43 100
58 28.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.675 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 76 Resp: 2415
Ion Ratio Lower Upper
76 100
78 11.2 7.2 10.8#





#20

Methylene Chloride

Concen: 0.437 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023998.D

Acq: 27 Aug 2021 17:31

Tgt Ion: 84 Resp: 814

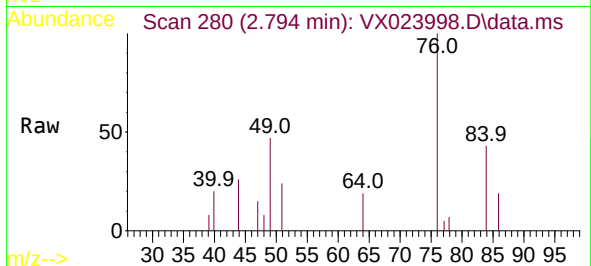
Ion Ratio Lower Upper

84 100

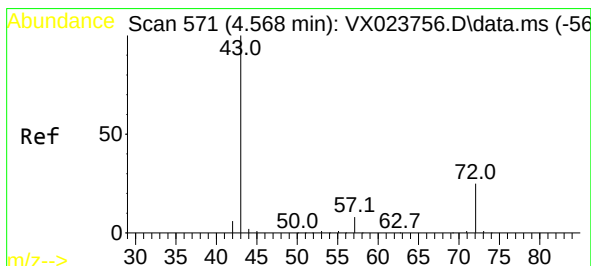
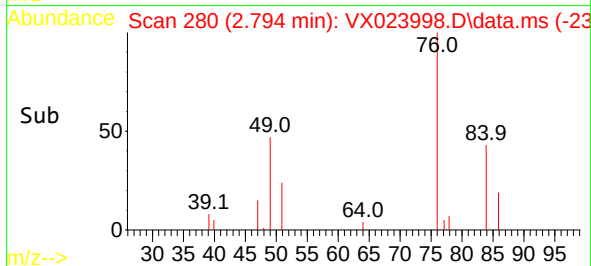
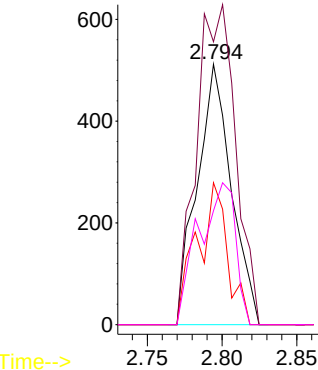
49 108.6 88.6 132.8

51 54.5 27.0 40.6#

86 43.8 50.3 75.5#



Abundance



#25

2-Butanone

Concen: 2.755 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX023998.D

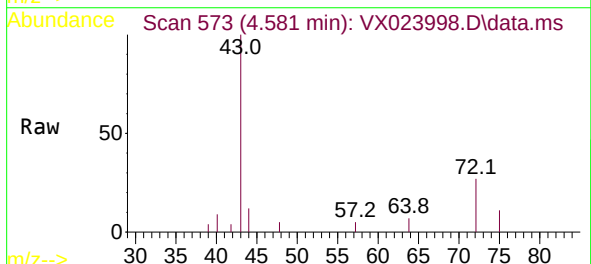
Acq: 27 Aug 2021 17:31

Tgt Ion: 43 Resp: 4072

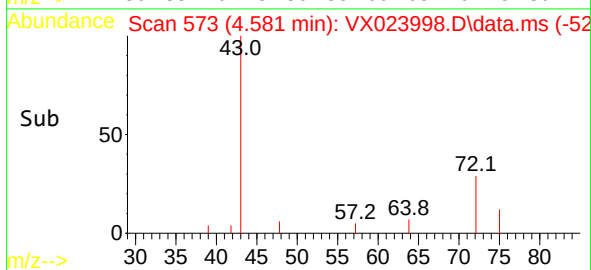
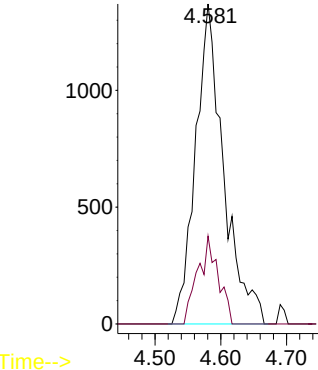
Ion Ratio Lower Upper

43 100

72 27.4 23.7 35.5



Abundance

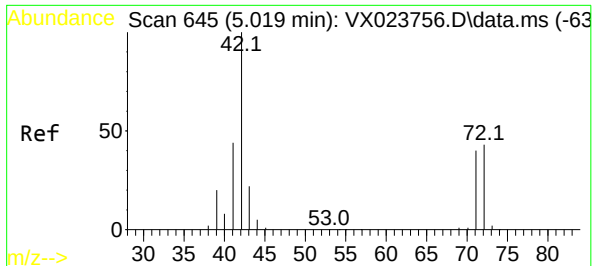


Instrument :

MSVOA_X

ClientSampled :

VE4-7



#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 5.026 min Scan# 646

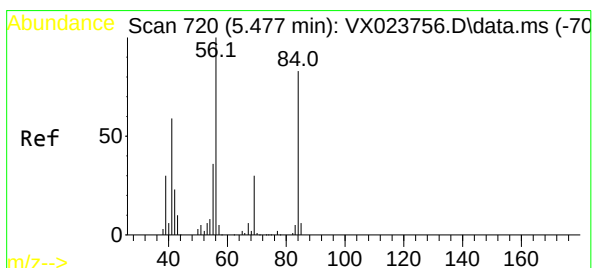
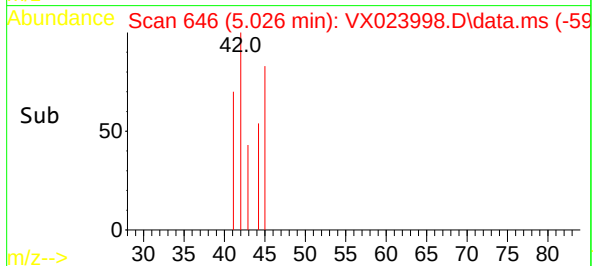
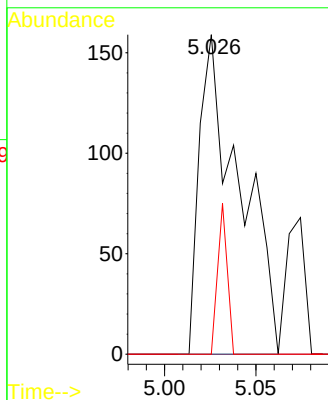
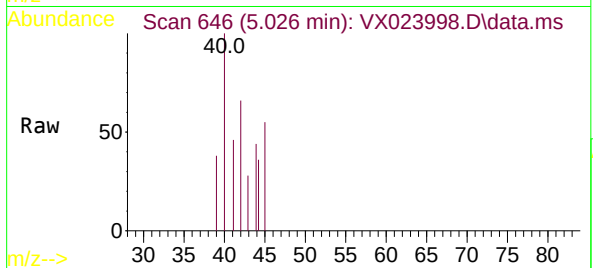
Delta R.T. 0.007 min

Lab File: VX023998.D

Acq: 27 Aug 2021 17:31

Tgt Ion:	42	Resp:	245
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	11.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
VE4-7



#31

Cyclohexane

Concen: 1.279 ug/l

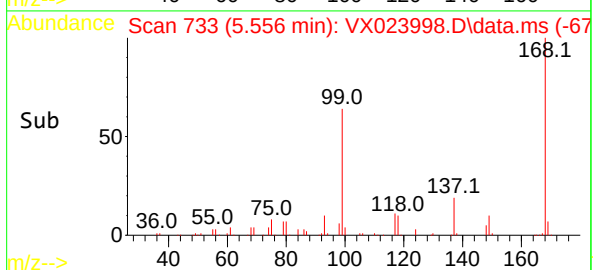
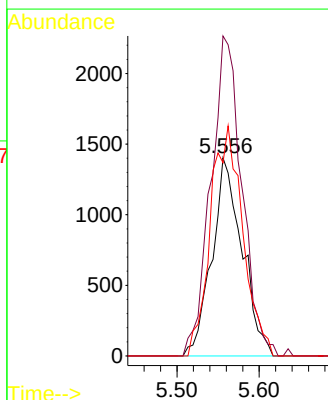
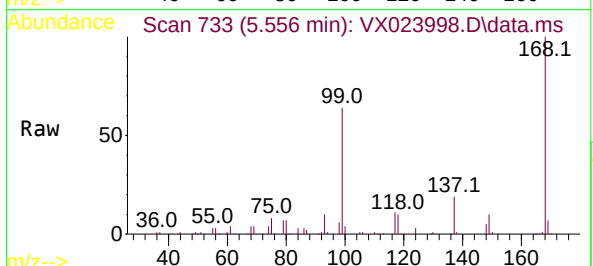
RT: 5.556 min Scan# 733

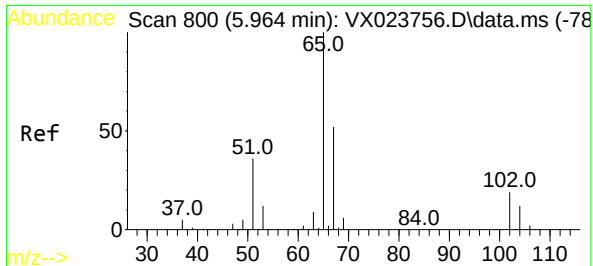
Delta R.T. 0.079 min

Lab File: VX023998.D

Acq: 27 Aug 2021 17:31

Tgt Ion:	56	Resp:	3585
Ion	Ratio	Lower	Upper
56	100		
69	161.5	25.3	37.9#
84	97.6	71.4	107.0



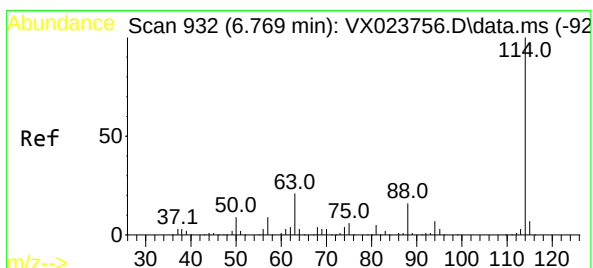
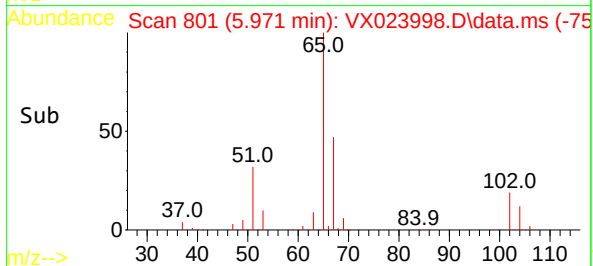
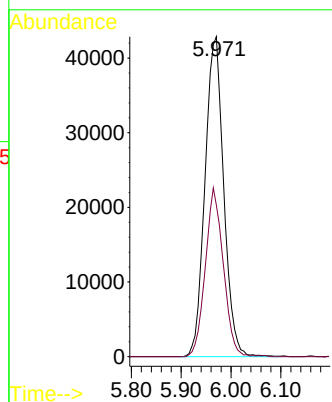
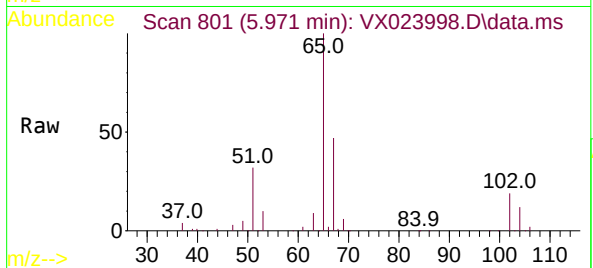


#33

1,2-Dichloroethane-d4
Concen: 51.262 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Instrument :
MSVOA_X
ClientSampled :
VE4-7

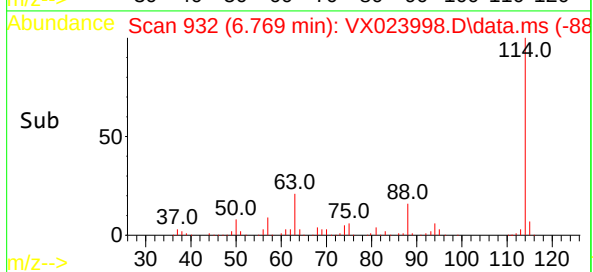
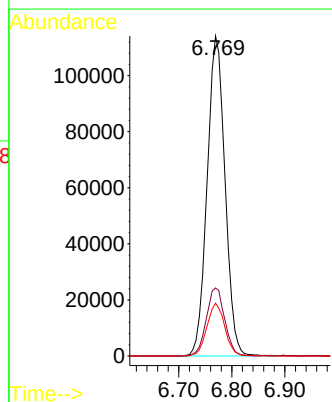
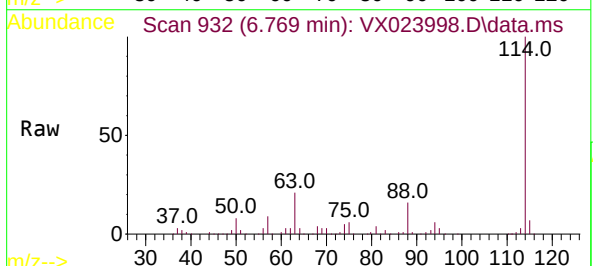
Tgt Ion: 65 Resp: 111864
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

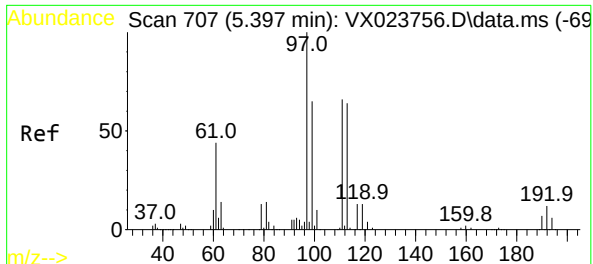


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 114 Resp: 267621
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.5 0.0 32.8

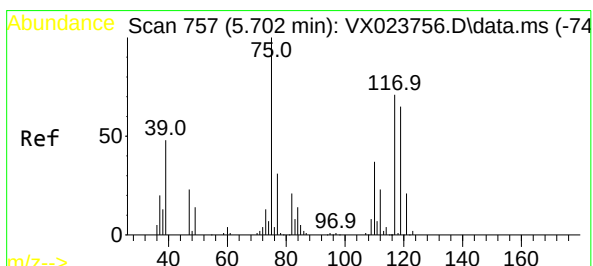
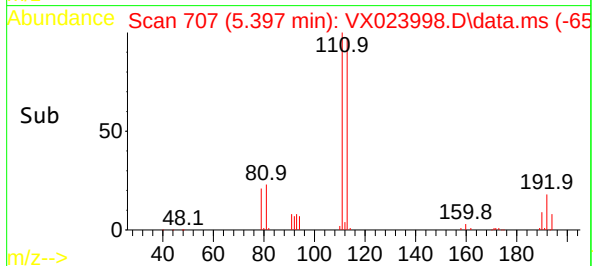
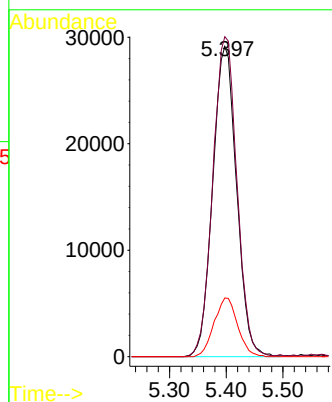
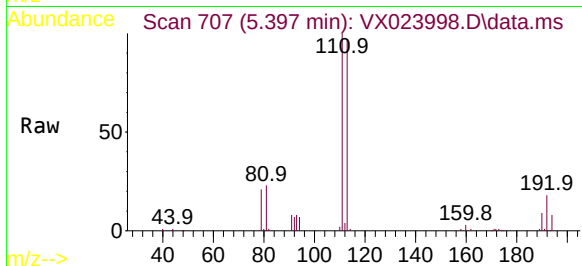




#35
Dibromofluoromethane
Concen: 48.095 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

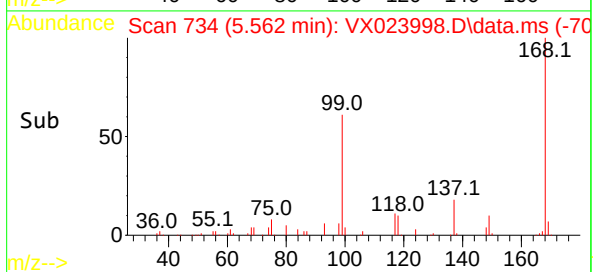
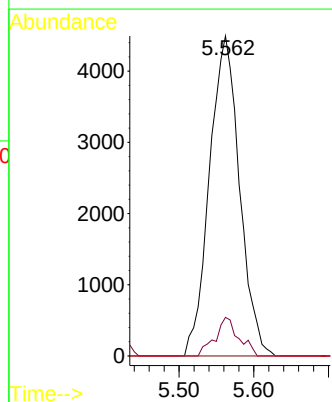
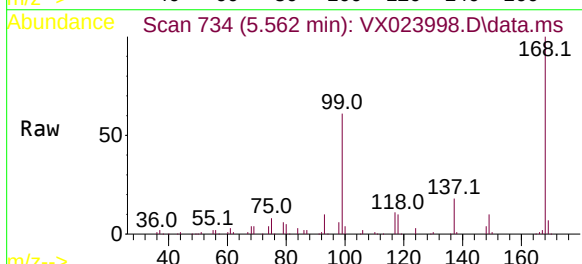
Instrument :
MSVOA_X
ClientSampled :
VE4-7

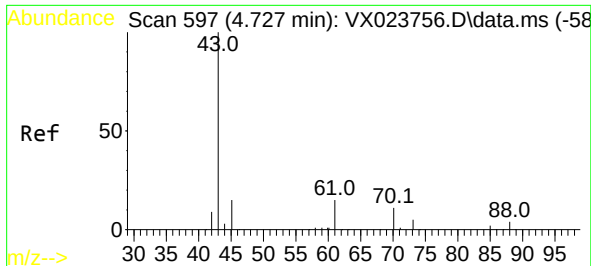
Tgt Ion:113 Resp: 85191
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 75 Resp: 12577
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#

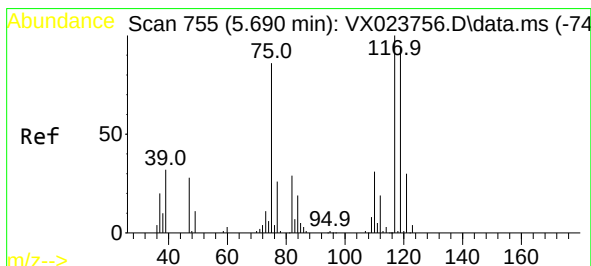
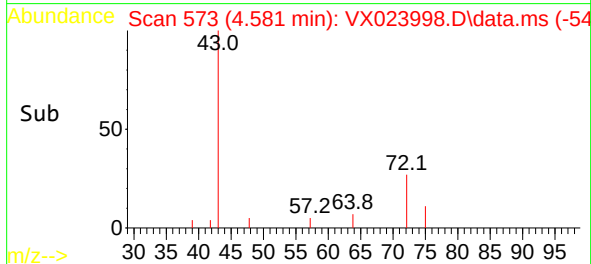
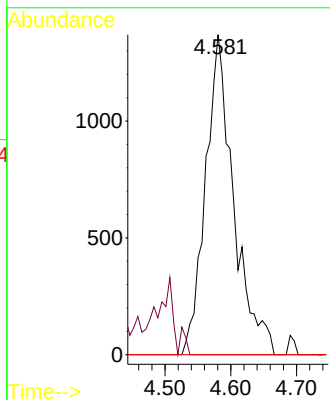
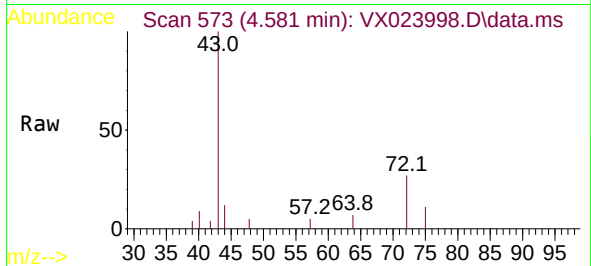




#37
Ethyl Acetate
Concen: 1.337 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.146 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

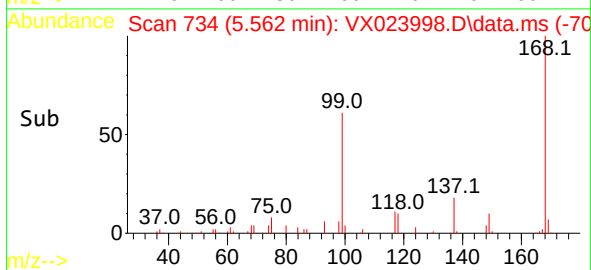
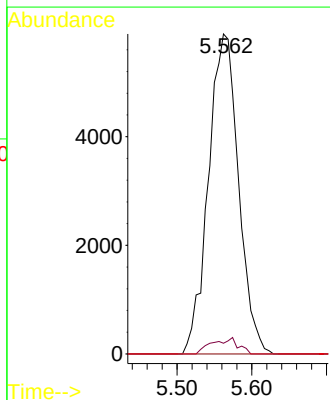
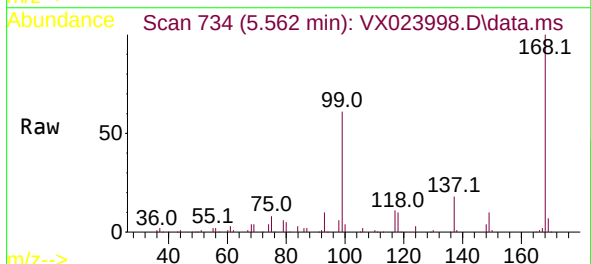
Instrument :
MSVOA_X
ClientSampled :
VE4-7

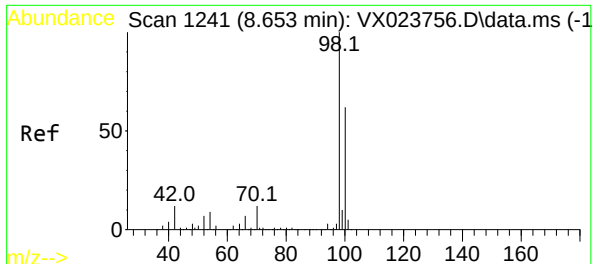
Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 6.386 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 117 Resp: 16505
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.2#
121 0.0 24.8 37.2#

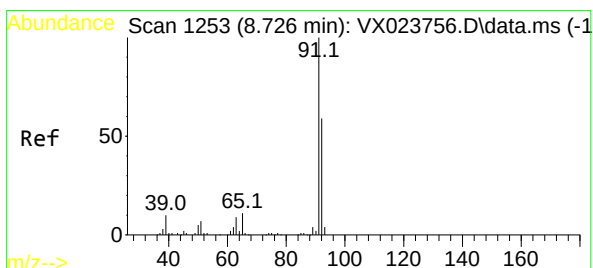
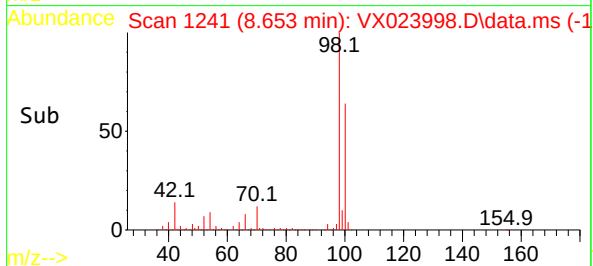
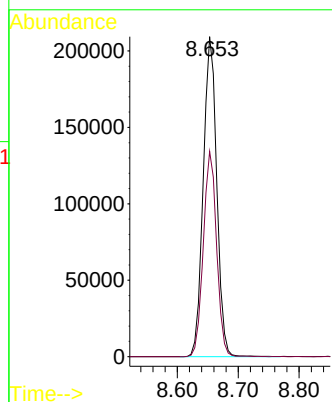
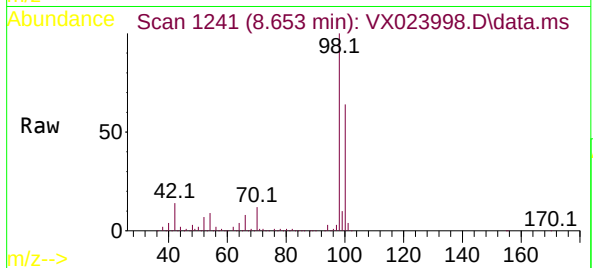




#50
Toluene-d8
Concen: 47.836 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

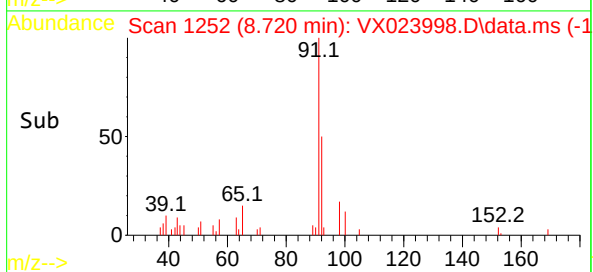
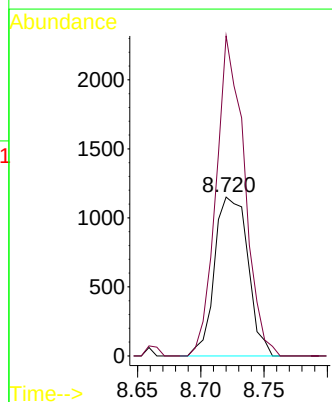
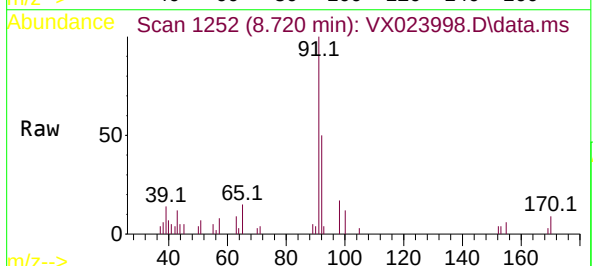
Instrument :
MSVOA_X
ClientSampled :
VE4-7

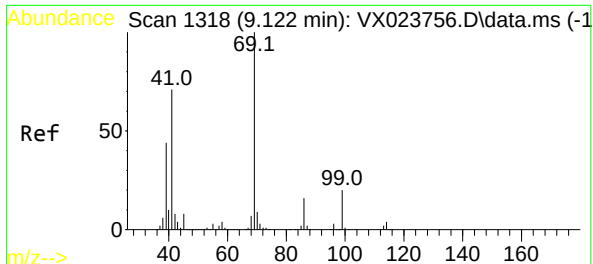
Tgt Ion: 98 Resp: 322498
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#52
Toluene
Concen: 0.445 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 92 Resp: 2112
Ion Ratio Lower Upper
92 100
91 170.8 137.1 205.7

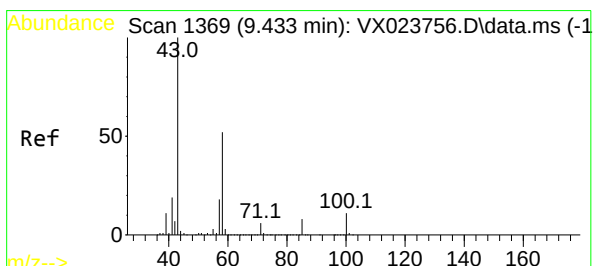
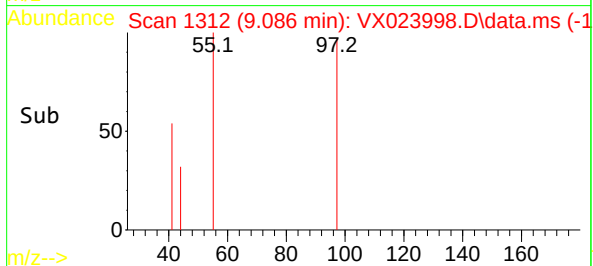
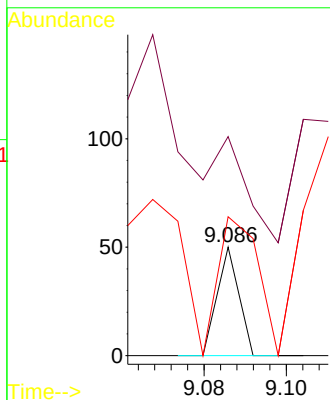
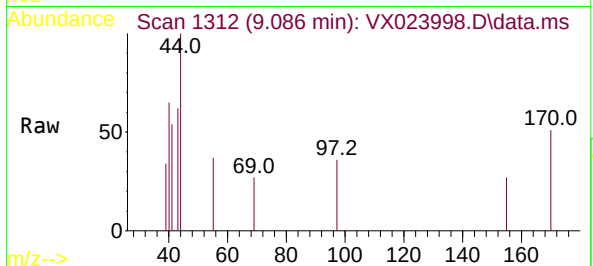




#56
Ethyl methacrylate
Concen: 0.765 ug/l
RT: 9.086 min Scan# 1312
Delta R.T. -0.036 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

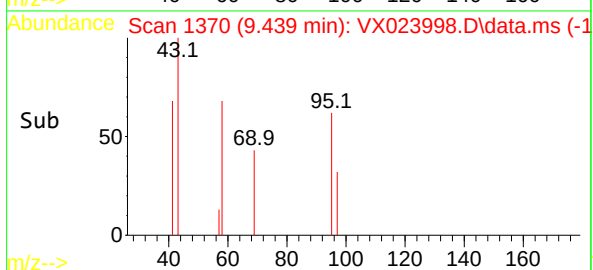
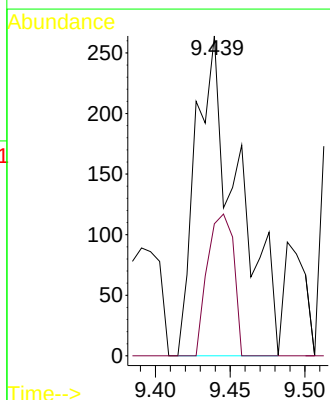
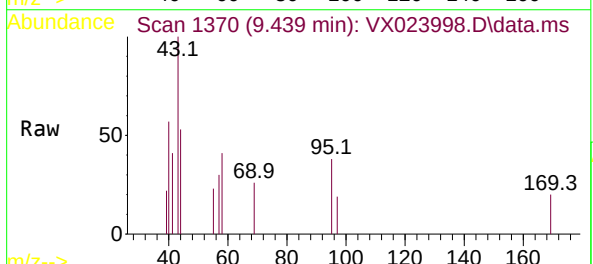
Instrument :
MSVOA_X
ClientSampled :
VE4-7

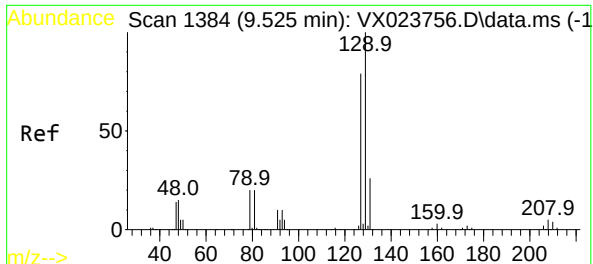
Tgt Ion: 69 Resp: 18
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 238.9 24.7 37.1#



#59
2-Hexanone
Concen: 0.219 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 27.6 30.9 92.8#





#60

Dibromochloromethane

Concen: 1.697 ug/l

RT: 9.500 min Scan# 1380

Delta R.T. -0.025 min

Lab File: VX023998.D

Acq: 27 Aug 2021 17:31

Instrument :

MSVOA_X

ClientSampled :

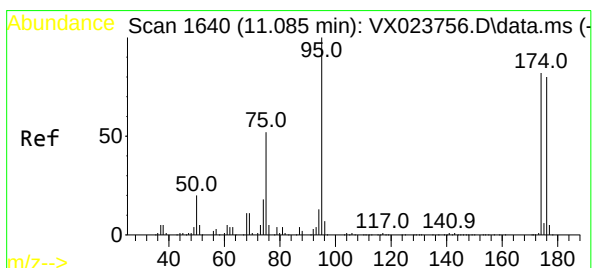
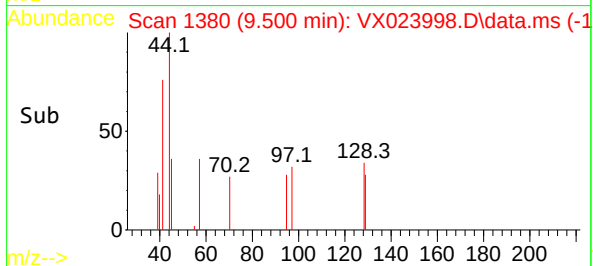
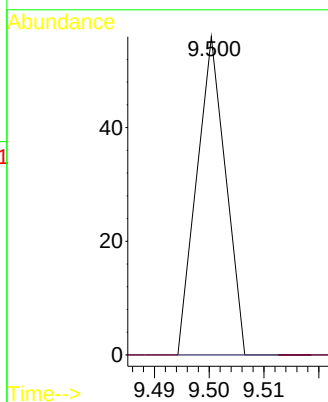
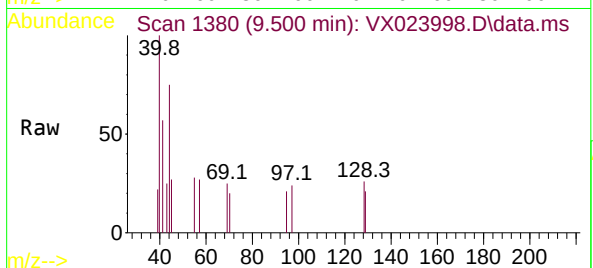
VE4-7

Tgt Ion:129 Resp: 20

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.186 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023998.D

Acq: 27 Aug 2021 17:31

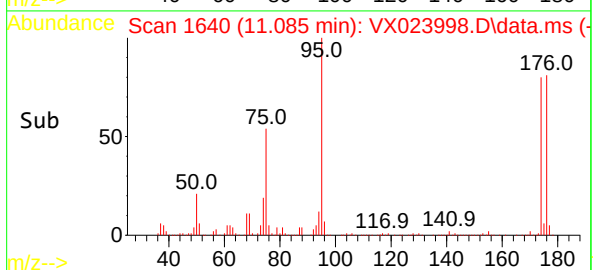
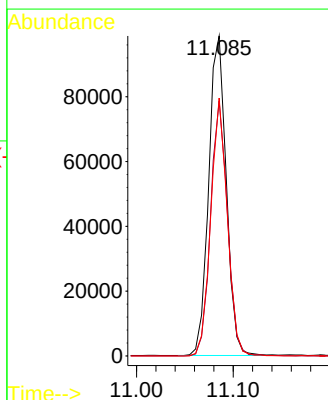
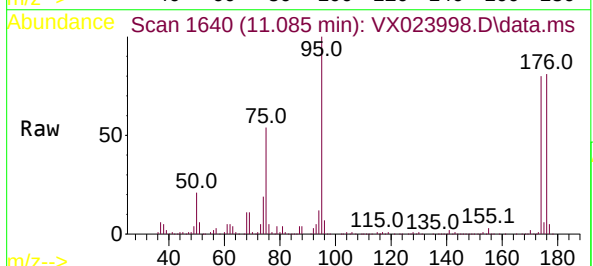
Tgt Ion: 95 Resp: 124552

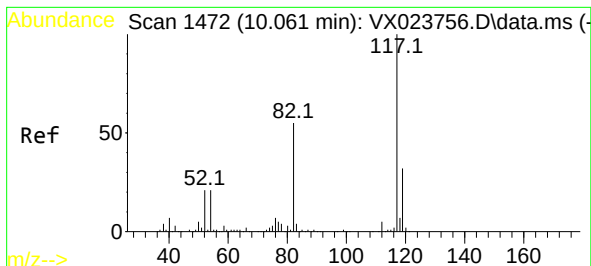
Ion Ratio Lower Upper

95 100

174 76.7 0.0 154.6

176 76.1 0.0 155.8

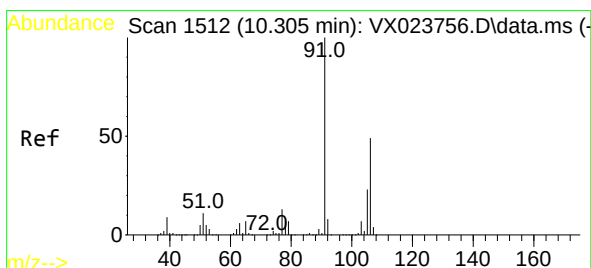
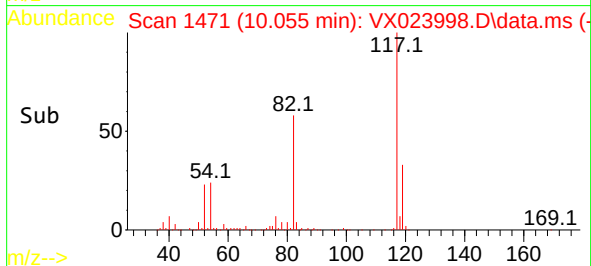
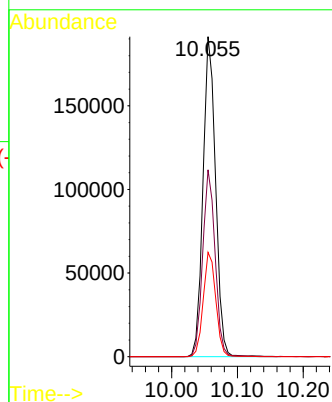
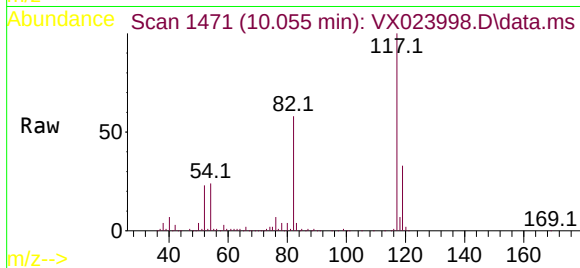




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

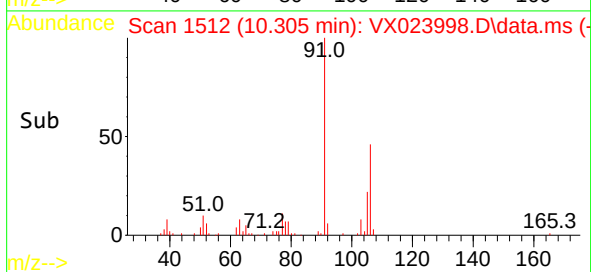
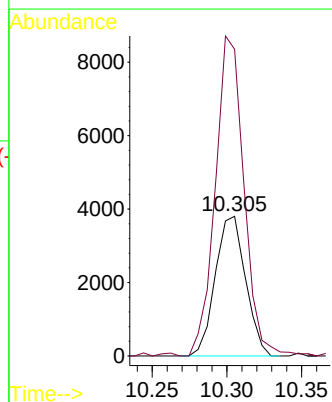
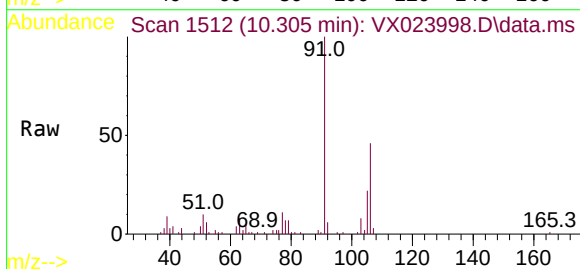
Instrument :
MSVOA_X
ClientSampled :
VE4-7

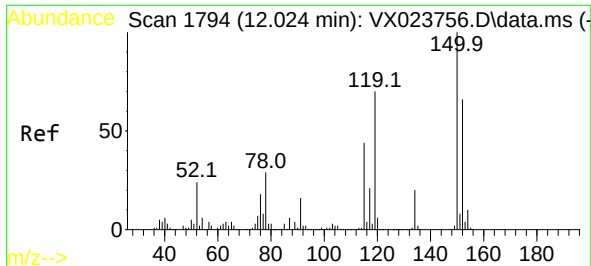
Tgt Ion:117 Resp: 254020
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.6 26.6 39.8



#68
m/p-Xylenes
Concen: 1.517 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion:106 Resp: 5350
Ion Ratio Lower Upper
106 100
91 217.6 162.8 244.2

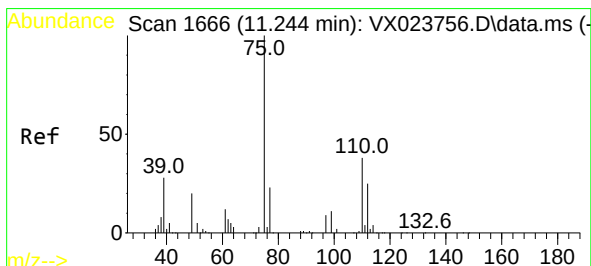
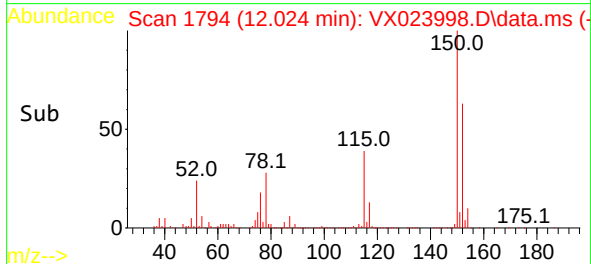
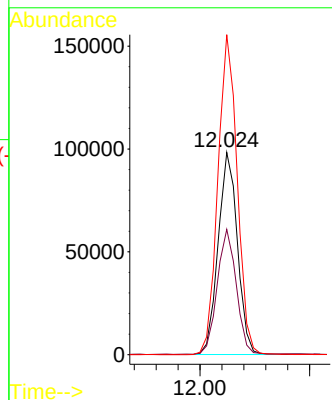
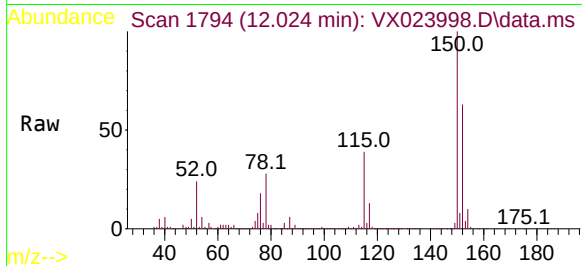




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

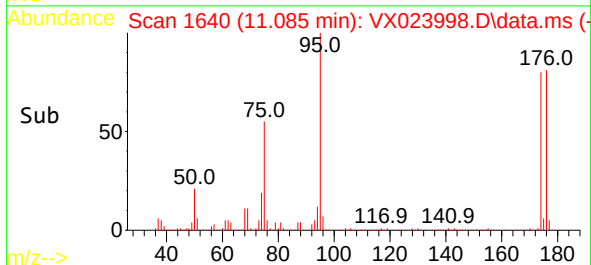
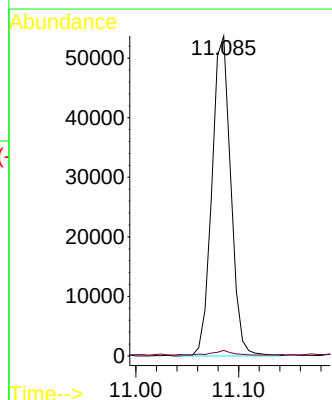
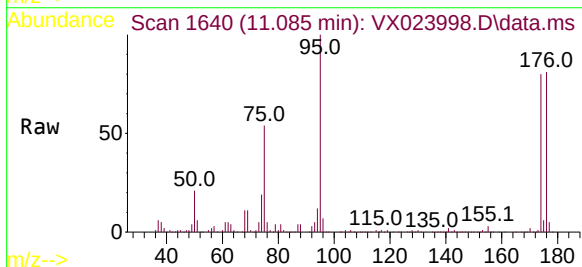
Instrument :
MSVOA_X
ClientSampled :
VE4-7

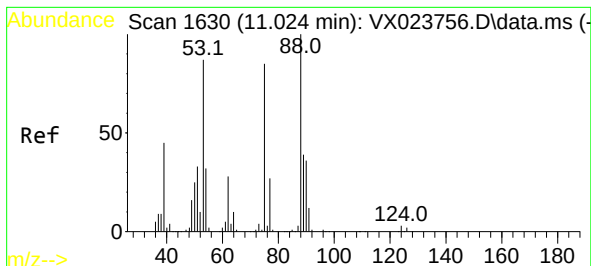
Tgt Ion:152 Resp: 120084
Ion Ratio Lower Upper
152 100
115 60.7 41.1 123.3
150 158.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.419 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 75 Resp: 68403
Ion Ratio Lower Upper
75 100
77 1.6 19.1 57.5#

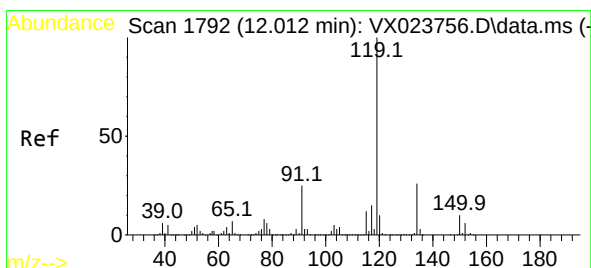
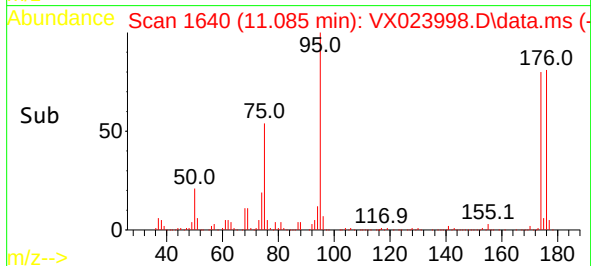
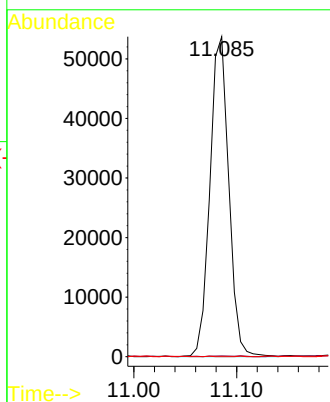
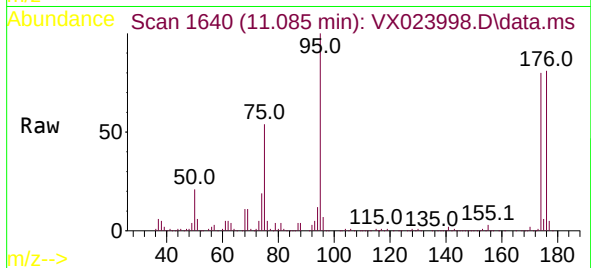




#81
trans-1,4-Dichloro-2-butene
Concen: 71.829 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

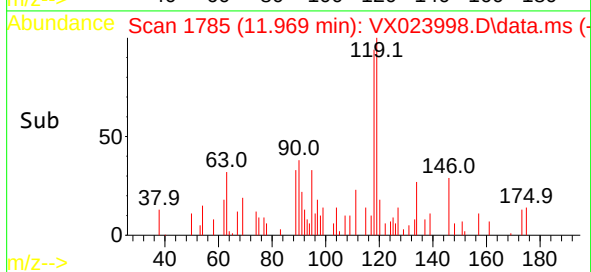
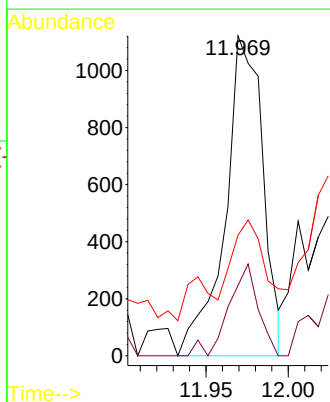
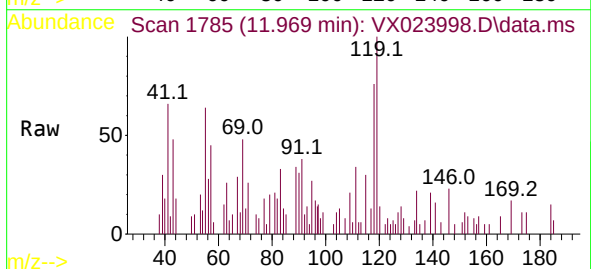
Instrument :
MSVOA_X
ClientSampleId :
VE4-7

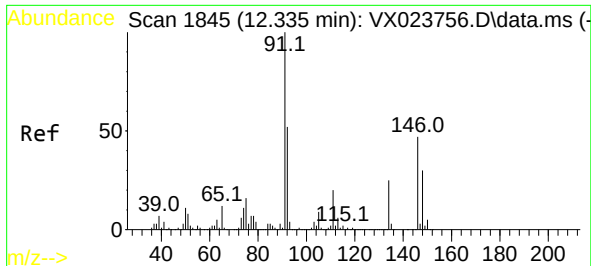
Tgt Ion: 75 Resp: 68403
Ion Ratio Lower Upper
75 100
53 0.3 74.5 111.7#
89 0.0 37.9 56.9#



#86
p-Isopropyltoluene
Concen: 0.234 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.043 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 119 Resp: 1785
Ion Ratio Lower Upper
119 100
134 22.5 12.9 38.7
91 29.2 11.7 35.0

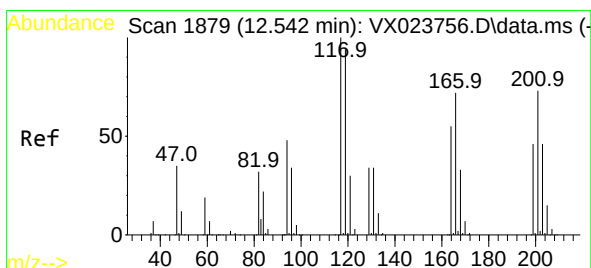
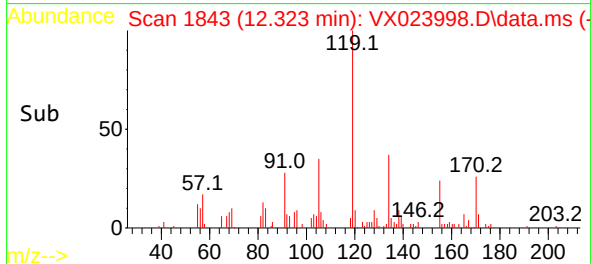
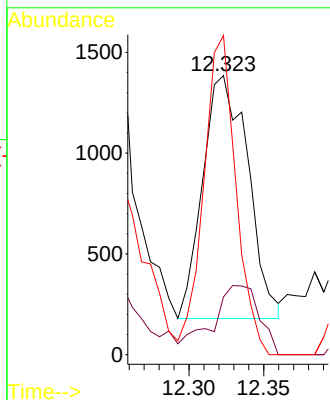
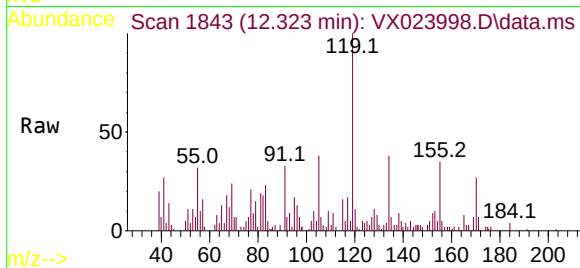




#89
n-Butylbenzene
Concen: 0.372 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

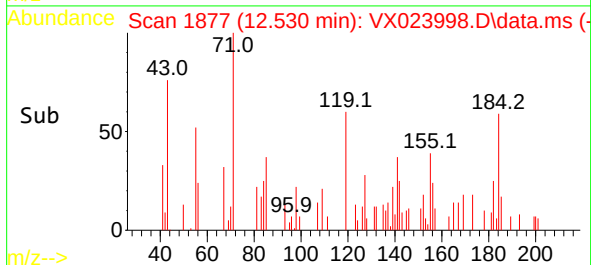
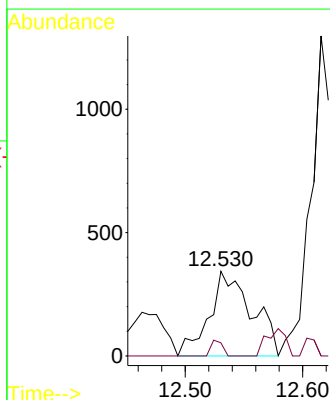
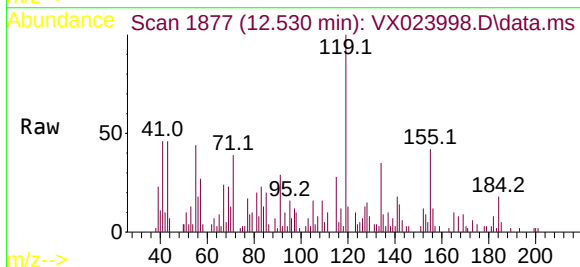
Instrument :
MSVOA_X
ClientSampled :
VE4-7

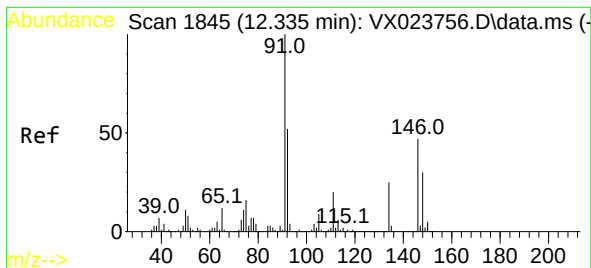
Tgt Ion: 91 Resp: 2528
Ion Ratio Lower Upper
91 100
92 29.7 27.4 82.0
134 93.9 13.2 39.5#



#90
Hexachloroethane
Concen: 2.095 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 117 Resp: 860
Ion Ratio Lower Upper
117 100
201 5.0 40.4 121.2#

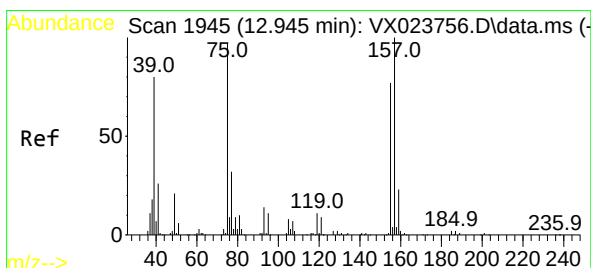
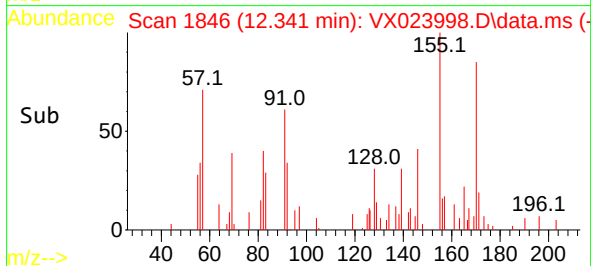
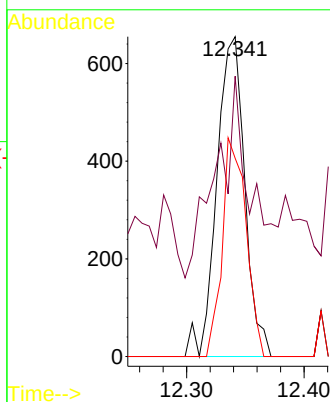
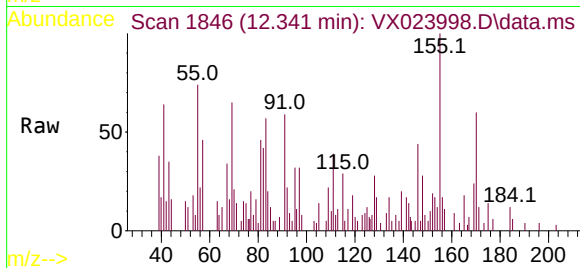




#91
1,2-Dichlorobenzene
Concen: 0.274 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

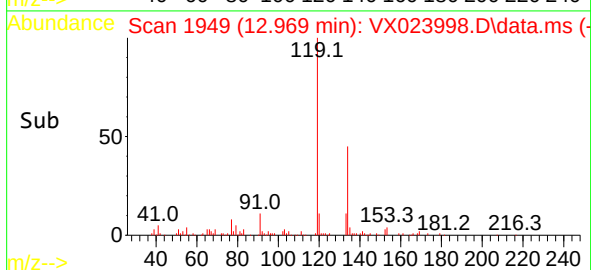
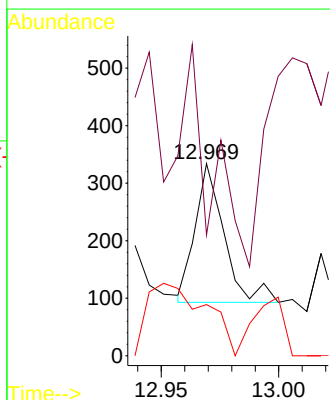
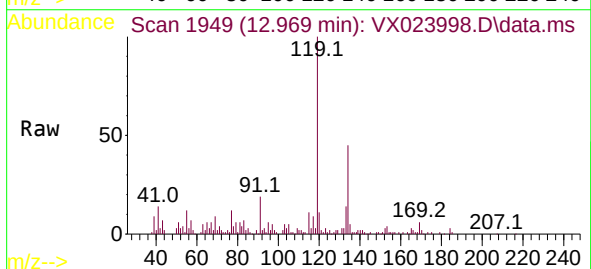
Instrument :
MSVOA_X
ClientSampled :
VE4-7

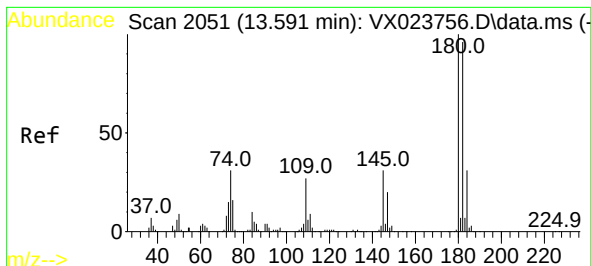
Tgt Ion:146 Resp: 1085
Ion Ratio Lower Upper
146 100
111 77.5 20.8 62.2#
148 58.2 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.442 ug/l
RT: 12.969 min Scan# 1949
Delta R.T. 0.024 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion: 75 Resp: 206
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 106.3 57.7 173.1

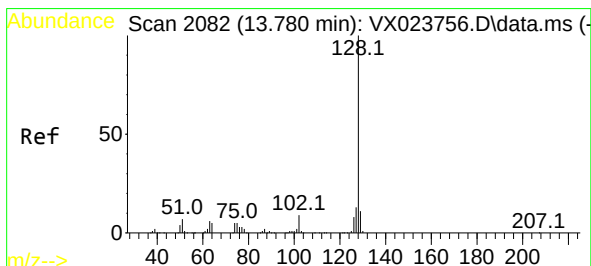
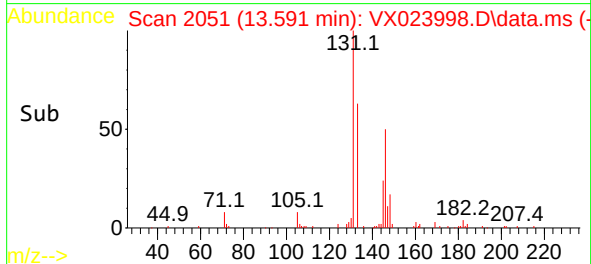
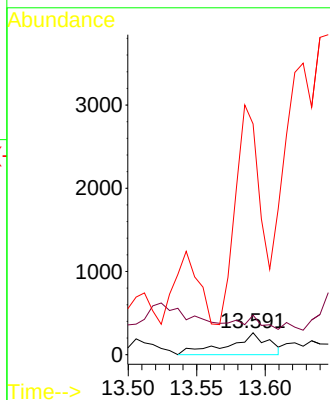
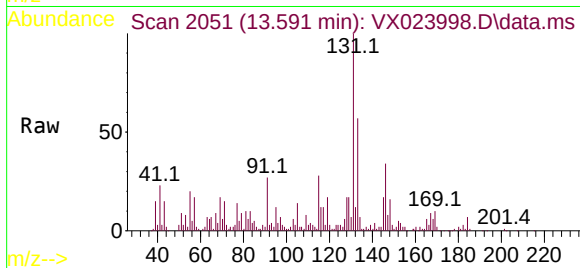




#93
1,2,4-Trichlorobenzene
Concen: 0.226 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Instrument :
MSVOA_X
ClientSampled :
VE4-7

Tgt Ion:180 Resp: 537
Ion Ratio Lower Upper
180 100
182 0.0 47.7 143.1#
145 721.6 15.0 45.0#



#95
Naphthalene
Concen: 1.902 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023998.D
Acq: 27 Aug 2021 17:31

Tgt Ion:128 Resp: 5581
Ion Ratio Lower Upper
128 100
127 18.1 10.3 15.5#
129 11.9 8.8 13.2

