

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040622\
 Data File : VX027998.D
 Acq On : 06 Apr 2022 15:45
 Operator : JC/MD
 Sample : N2253-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2822SDL

Quant Time: Apr 07 08:06:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 05 15:58:31 2022
 Response via : Initial Calibration

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

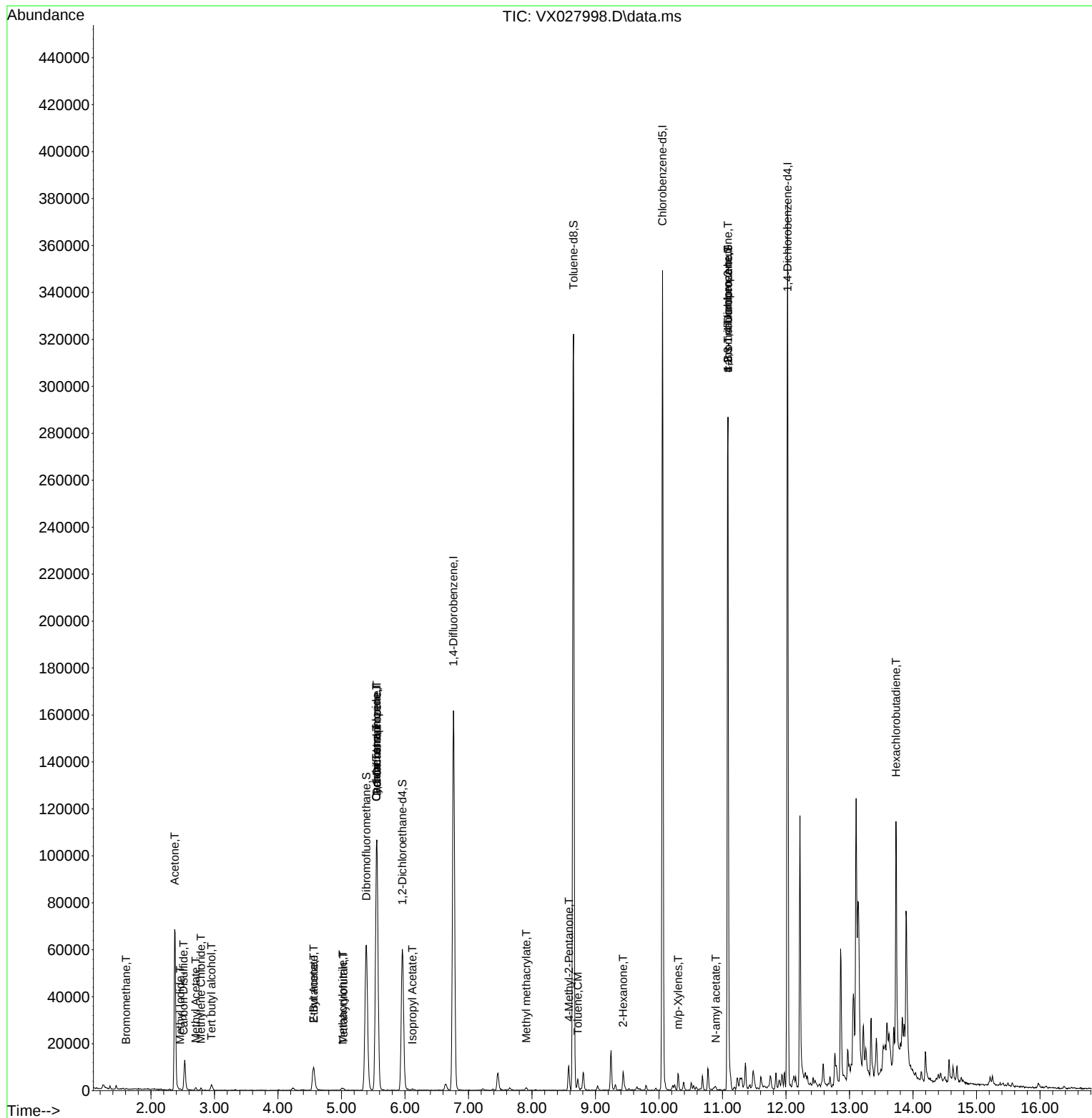
Internal Standards						
1) Pentafluorobenzene	5.556	168	107535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173767	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58339	43.483	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.960%		
35) Dibromofluoromethane	5.391	113	54596	46.428	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.860%		
50) Toluene-d8	8.653	98	200971	46.777	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.560%		
62) 4-Bromofluorobenzene	11.085	95	80444	47.612	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.220%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	216	0.494	ug/l	88
6) Chloroethane	1.679	64	210	Below Cal	#	43
10) Methyl Iodide	2.459	142	560	3.884	ug/l #	81
11) Tert butyl alcohol	2.953	59	2580	10.511	ug/l	100
16) Acetone	2.374	43	70721	140.880	ug/l	95
17) Carbon Disulfide	2.514	76	926	0.341	ug/l #	75
18) Methyl Acetate	2.703	43	1273	0.980	ug/l	96
20) Methylene Chloride	2.788	84	418	0.371	ug/l #	87
25) 2-Butanone	4.562	43	17992	21.940	ug/l	99
29) Tetrahydrofuran	5.032	42	251	0.474	ug/l #	39
31) Cyclohexane	5.550	56	1904	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7002	4.529	ug/l #	50
37) Ethyl Acetate	4.562	43	17992	11.407	ug/l #	65
38) Carbon Tetrachloride	5.550	117	10334	6.014	ug/l #	15
41) Methacrylonitrile	5.019	41	241	0.289	ug/l #	18
43) Isopropyl Acetate	6.117	43	533	0.218	ug/l #	56
48) Methyl methacrylate	7.909	41	421	0.358	ug/l #	12
51) 4-Methyl-2-Pentanone	8.580	43	6201	3.864	ug/l	93
52) Toluene	8.720	92	1575	0.533	ug/l	92
59) 2-Hexanone	9.433	43	4493	3.622	ug/l	89
68) m/p-Xylenes	10.299	106	1793	0.777	ug/l	97
74) N-amyl acetate	10.896	43	1137	0.586	ug/l #	36
76) 1,2,3-Trichloropropane	11.085	75	38146	23.317	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	38146	73.508	ug/l #	15
94) Hexachlorobutadiene	13.731	225	294	0.359	ug/l	92

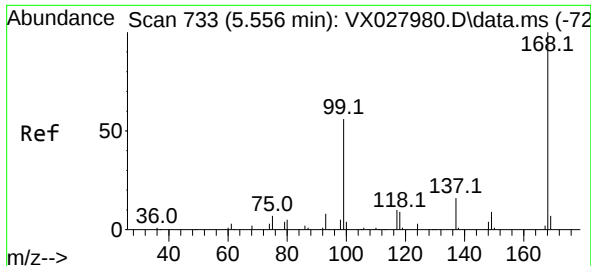
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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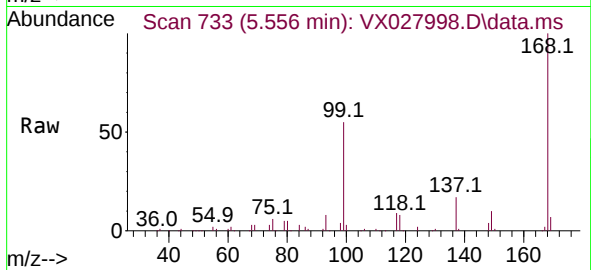
Quant Time: Apr 07 08:06:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040522W.M
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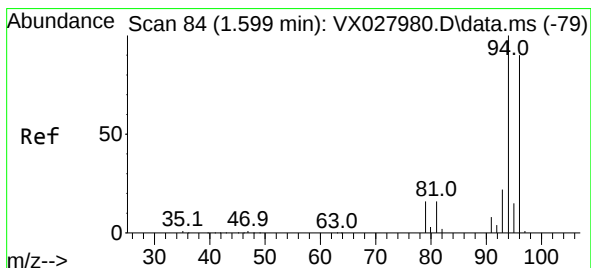
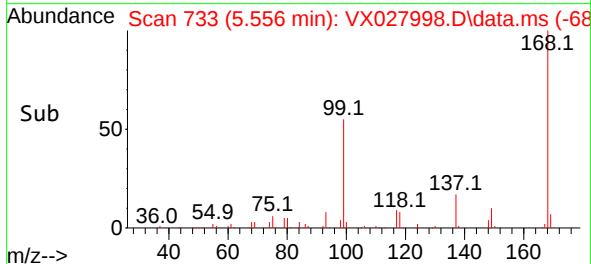
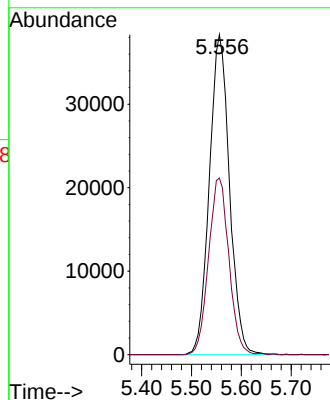


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Instrument :
MSVOA_X
ClientSampleId :
2822SDL

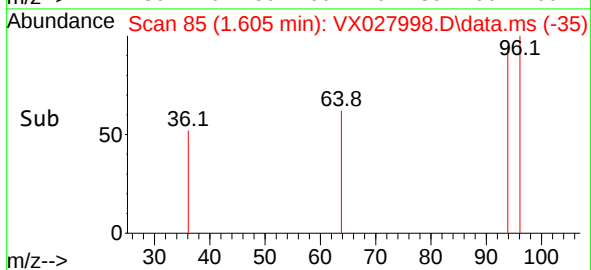
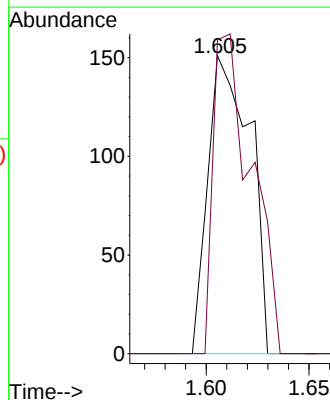
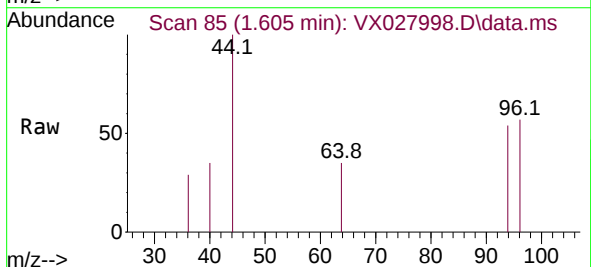


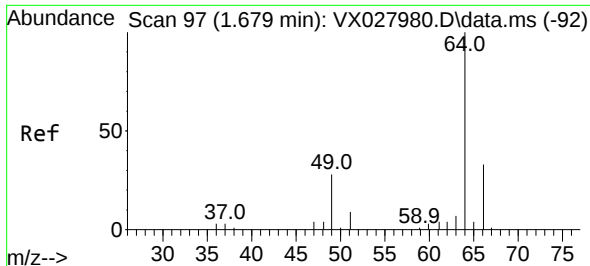
Tgt Ion:168 Resp: 107535
Ion Ratio Lower Upper
168 100
99 55.2 41.7 62.5



#5
Bromomethane
Concen: 0.494 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 105.3 75.3 112.9

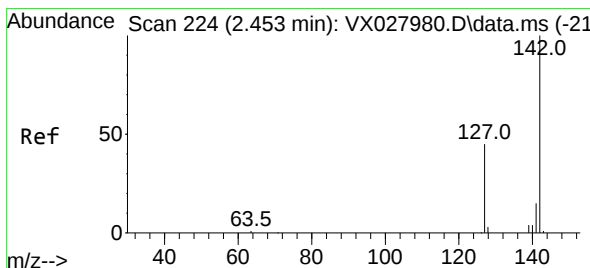
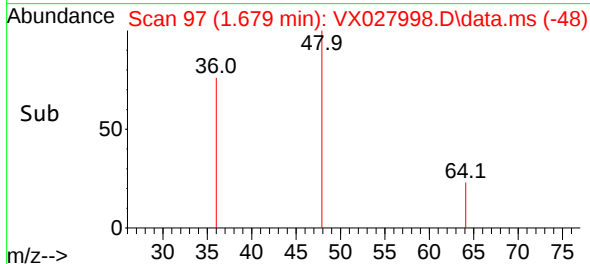
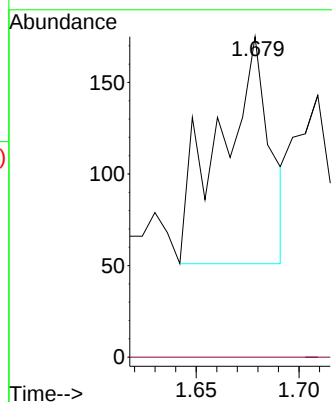
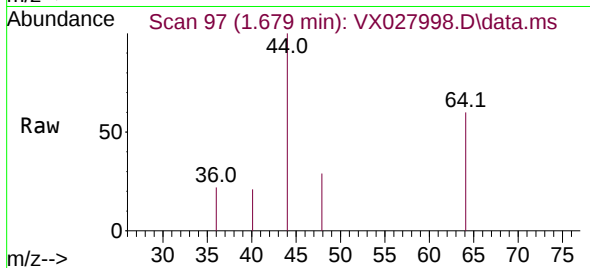




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

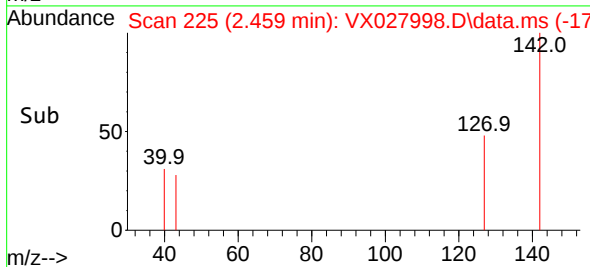
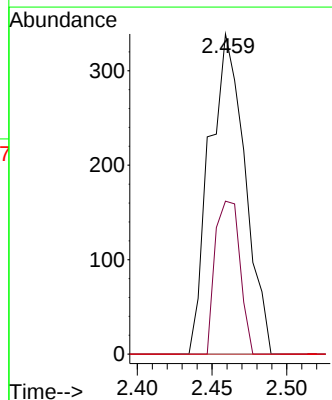
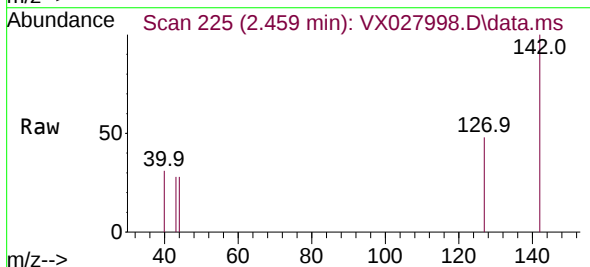
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

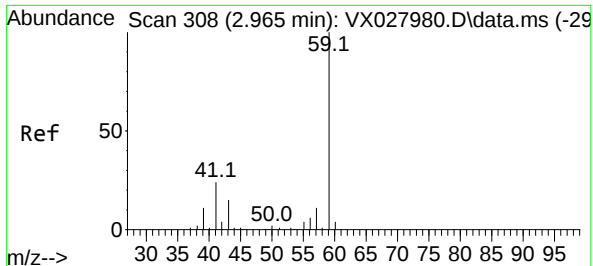
Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 3.884 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 142 Resp: 560
Ion Ratio Lower Upper
142 100
127 33.4 33.9 50.9#
141 0.0 11.4 17.2#

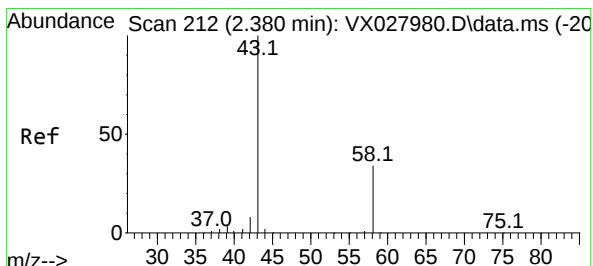
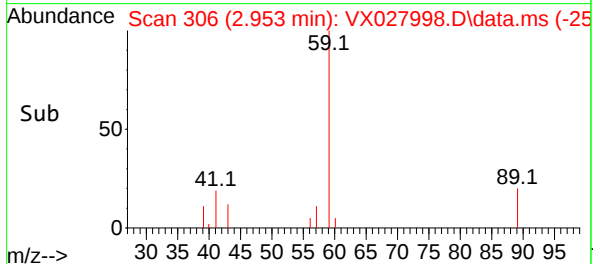
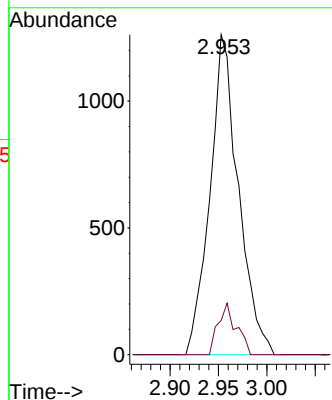
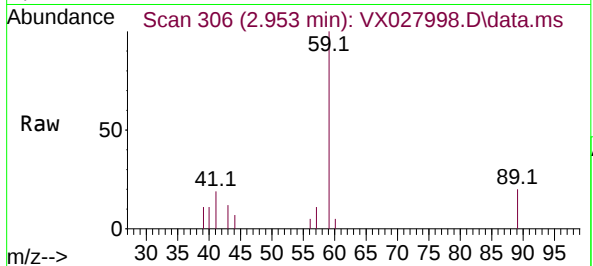




#11
Tert butyl alcohol
Concen: 10.511 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

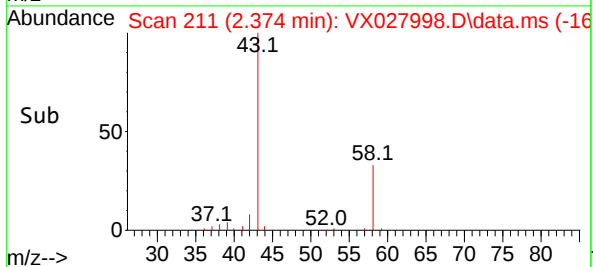
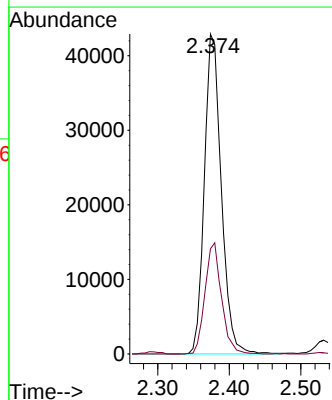
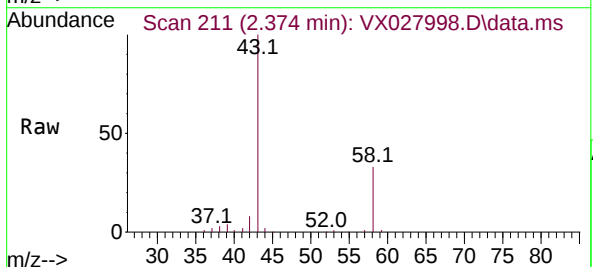
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

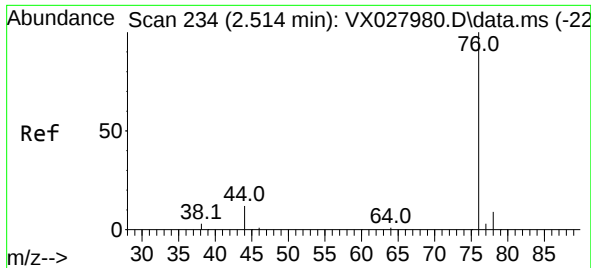
Tgt Ion: 59 Resp: 2580
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#16
Acetone
Concen: 140.880 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 43 Resp: 70721
Ion Ratio Lower Upper
43 100
58 32.9 28.8 43.2





#17

Carbon Disulfide

Concen: 0.341 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

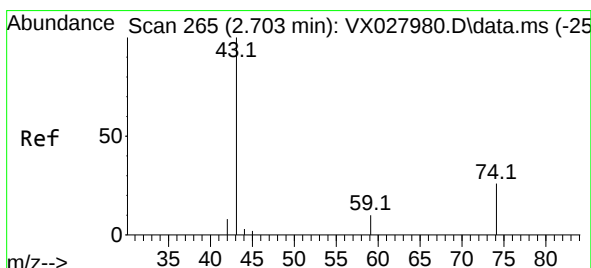
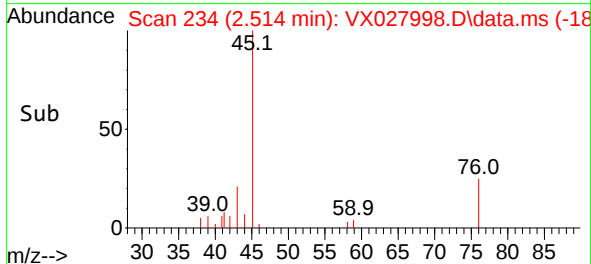
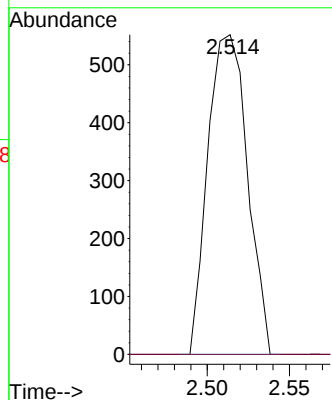
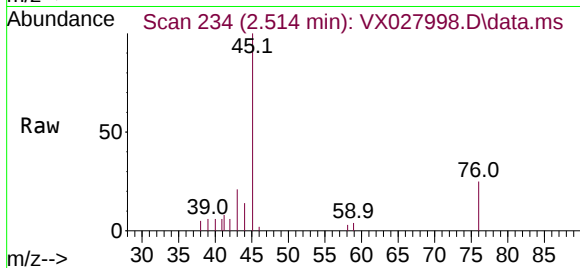
2822SDL

Tgt Ion: 76 Resp: 926

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.980 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX027998.D

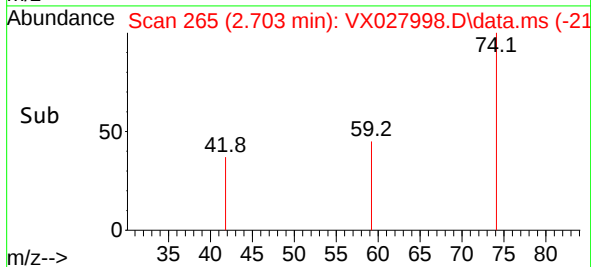
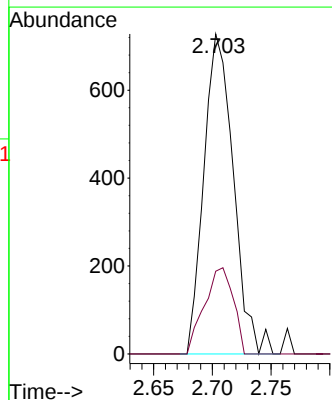
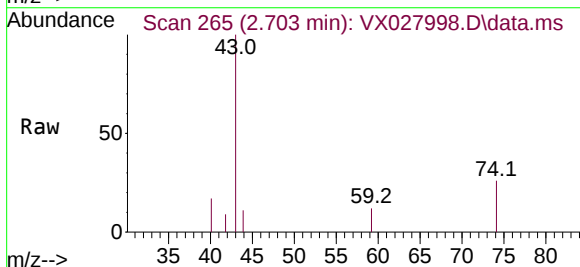
Acq: 06 Apr 2022 15:45

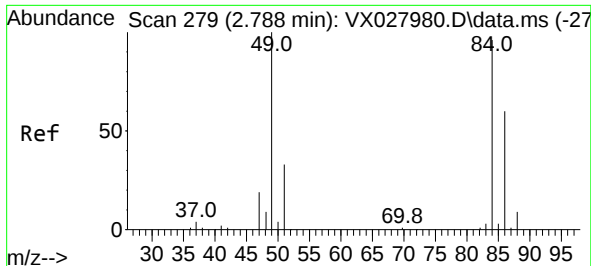
Tgt Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

74 26.2 22.8 34.2

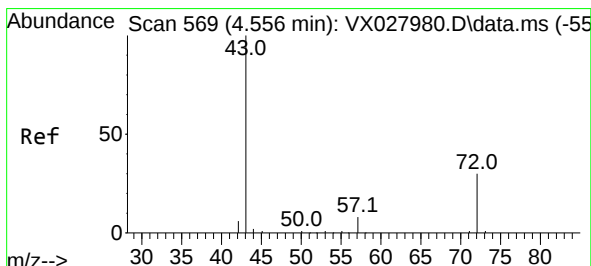
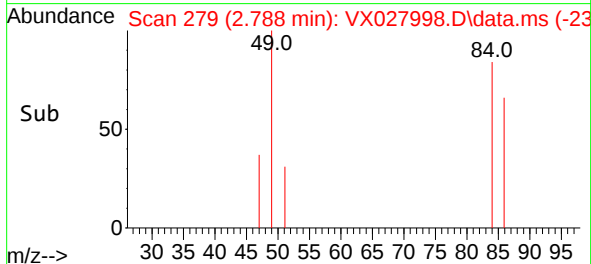
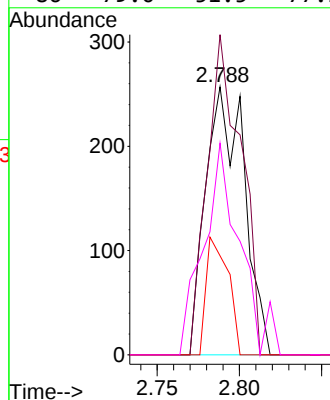
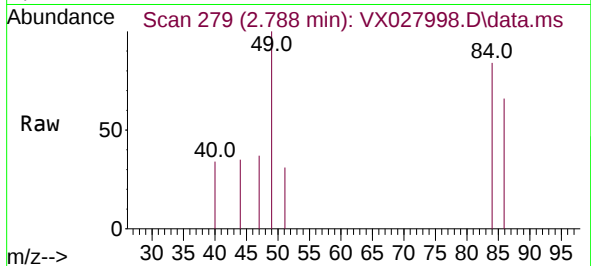




#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

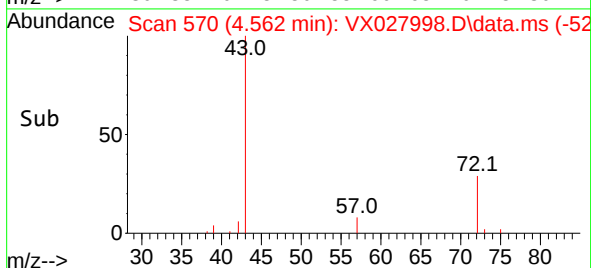
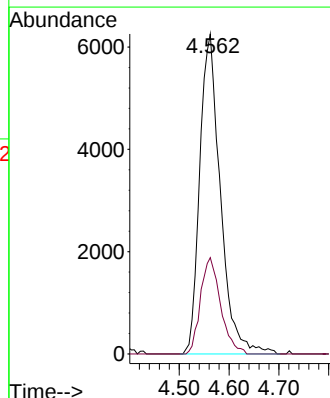
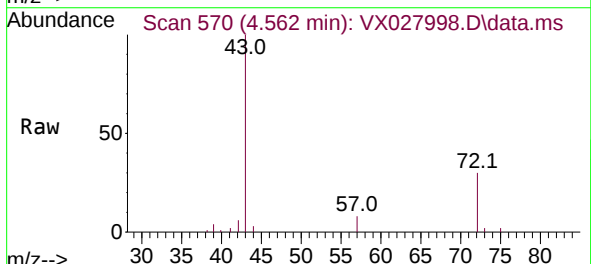
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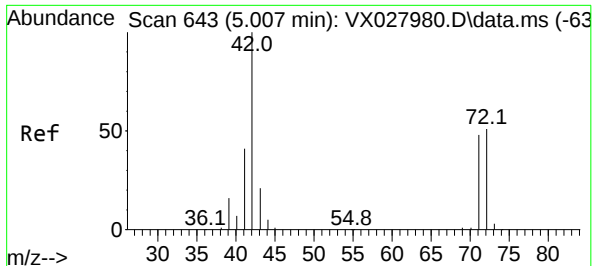
Tgt Ion: 84 Resp: 418
Ion Ratio Lower Upper
84 100
49 119.5 85.5 128.3
51 37.0 26.6 39.8
86 79.0 51.5 77.3#



#25
2-Butanone
Concen: 21.940 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 43 Resp: 17992
Ion Ratio Lower Upper
43 100
72 30.1 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.474 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

2822SDL

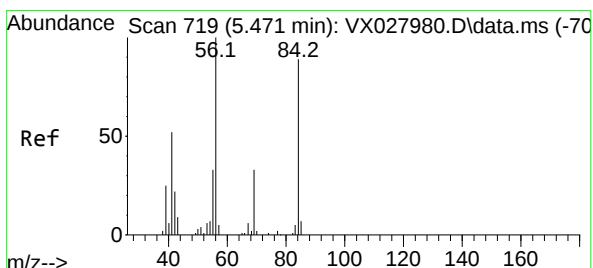
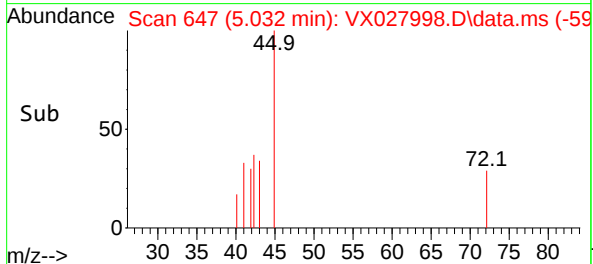
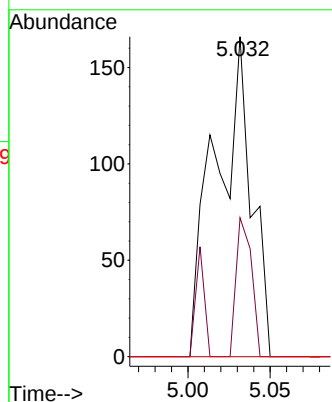
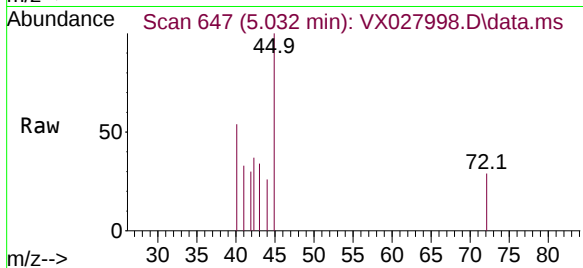
Tgt Ion: 42 Resp: 251

Ion Ratio Lower Upper

42 100

72 18.7 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

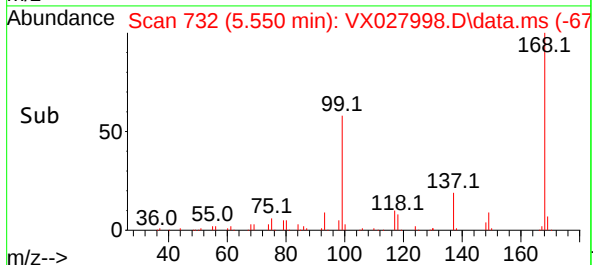
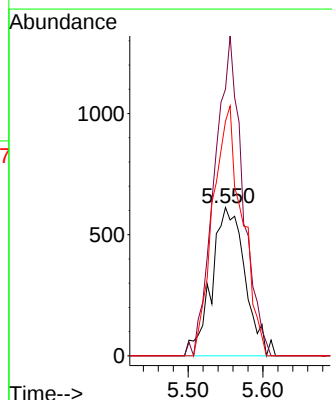
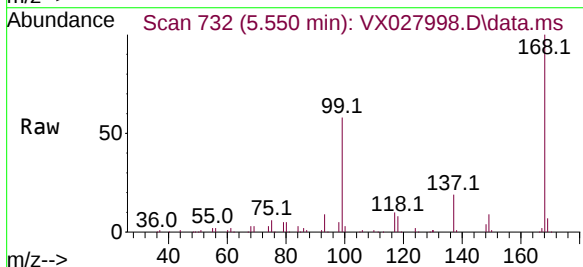
Tgt Ion: 56 Resp: 1904

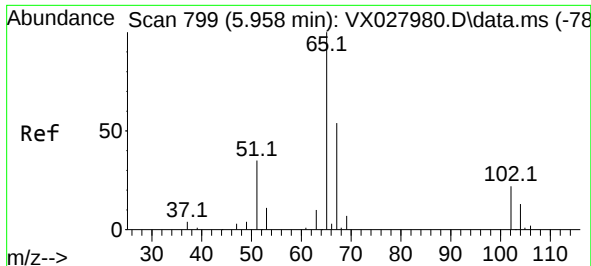
Ion Ratio Lower Upper

56 100

69 179.7 26.7 40.1#

84 158.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.483 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

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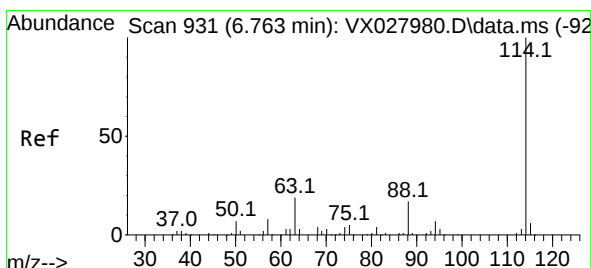
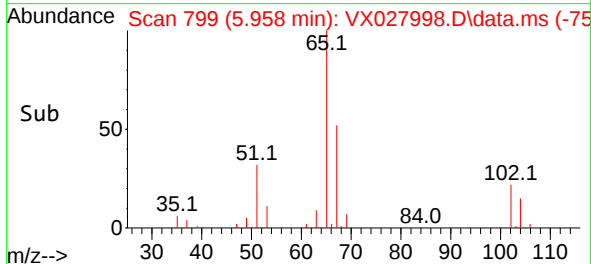
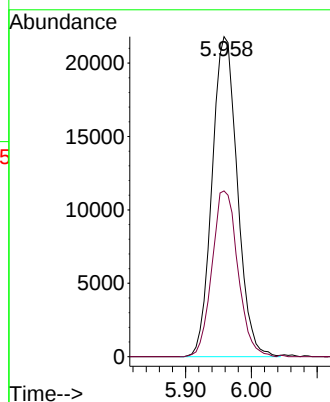
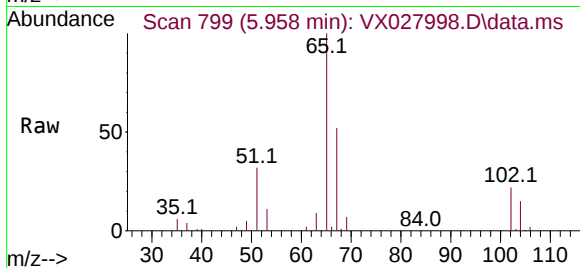
2822SDL

Tgt Ion: 65 Resp: 58339

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

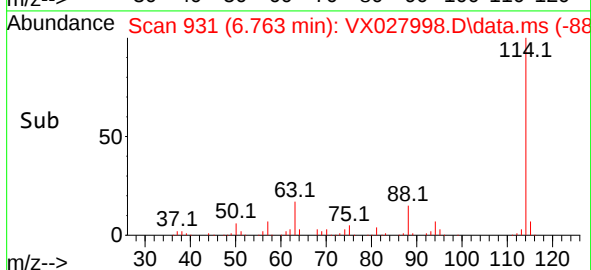
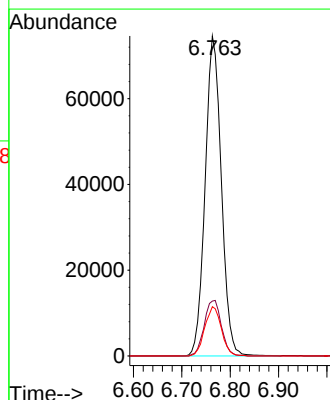
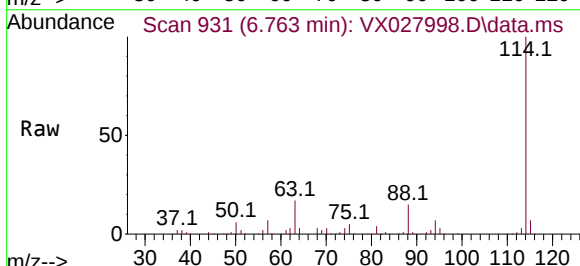
Tgt Ion: 114 Resp: 173767

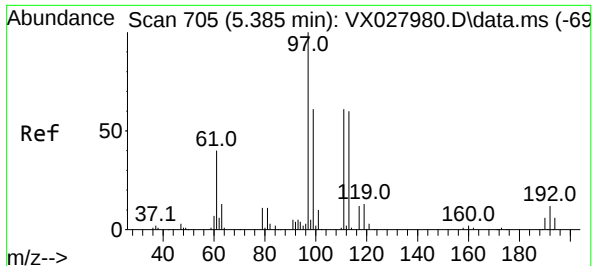
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.428 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

2822SDL

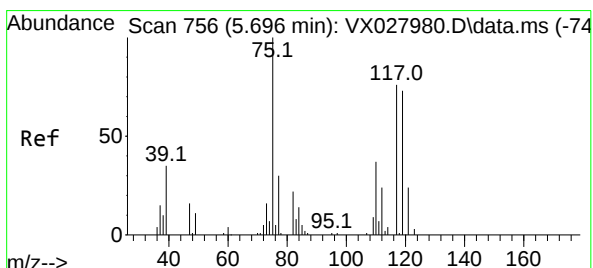
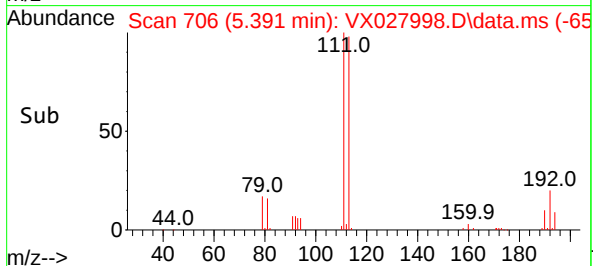
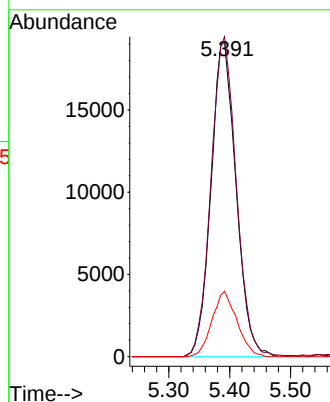
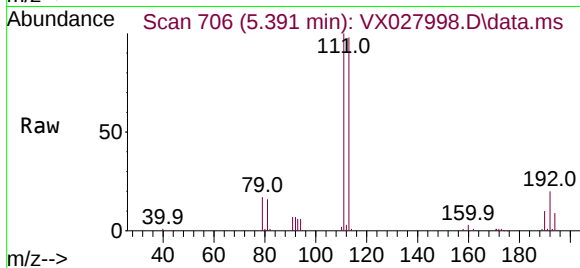
Tgt Ion:113 Resp: 54596

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 20.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

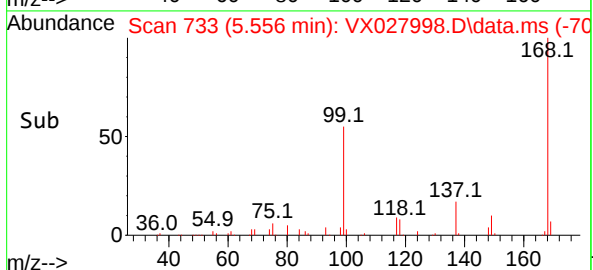
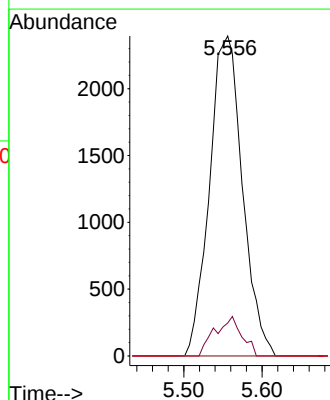
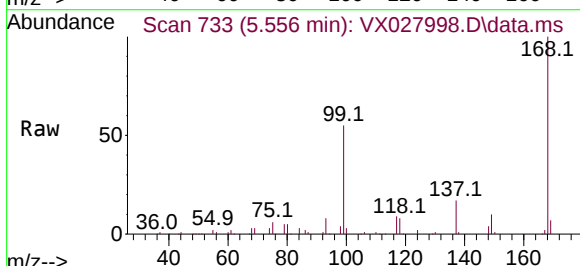
Tgt Ion: 75 Resp: 7002

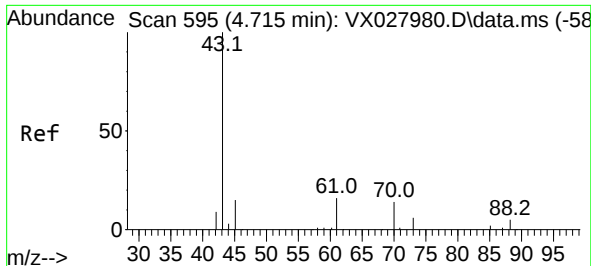
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 11.407 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

2822SDL

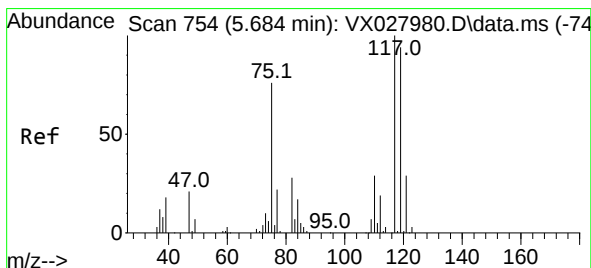
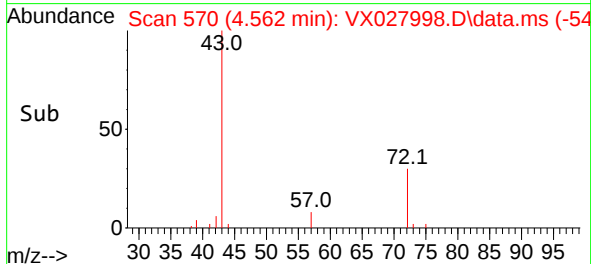
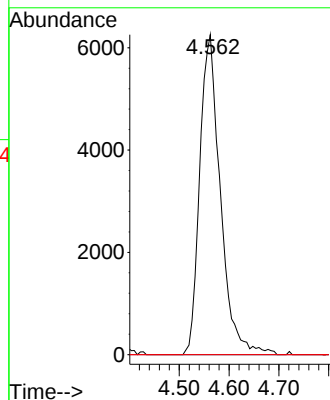
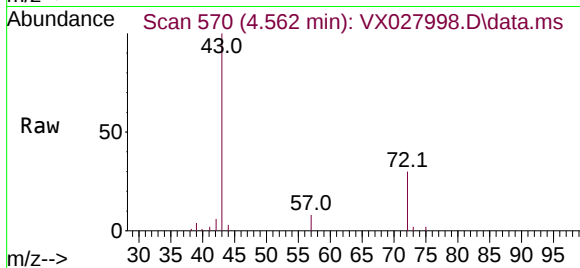
Tgt Ion: 43 Resp: 17992

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 6.014 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

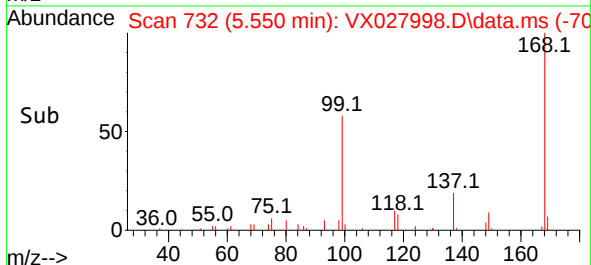
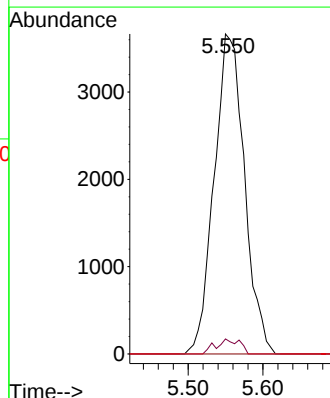
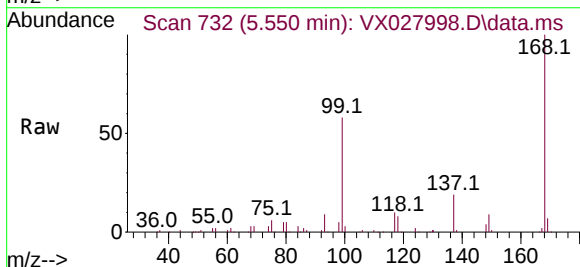
Tgt Ion: 117 Resp: 10334

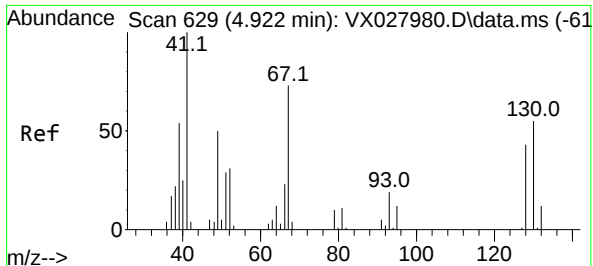
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 24.2 36.2#

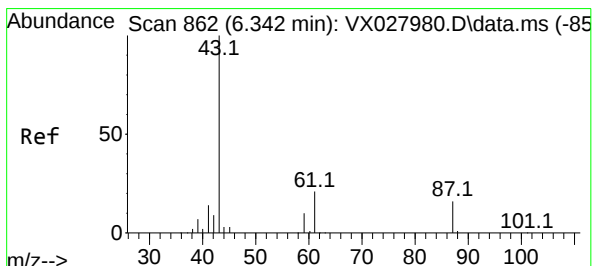
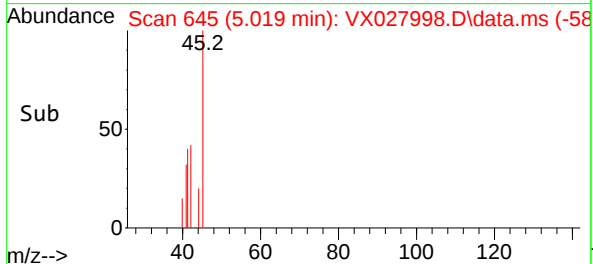
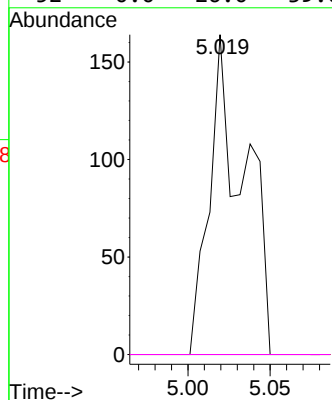
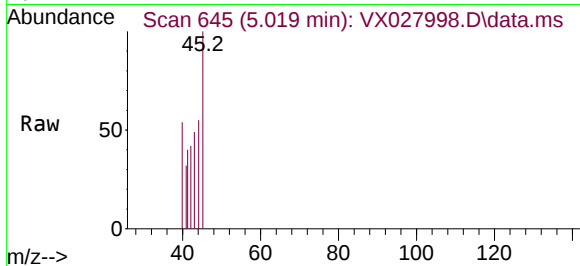




#41
Methacrylonitrile
Concen: 0.289 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

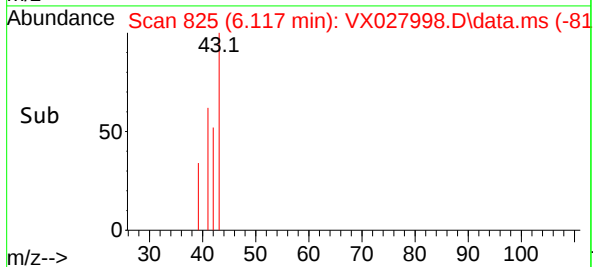
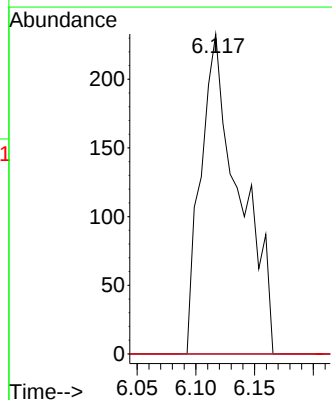
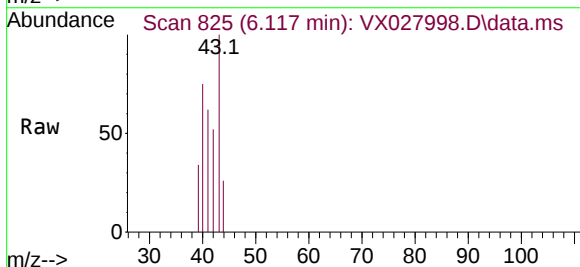
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

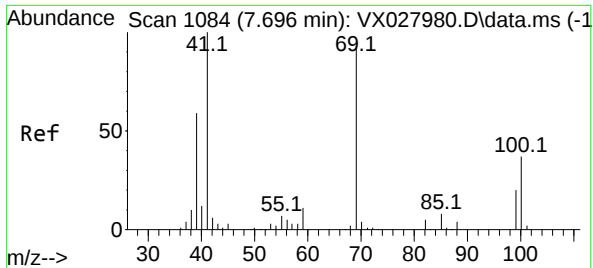
Tgt Ion: 41	Resp:	241
Ion	Ratio	Lower Upper
41	100	
39	0.0	43.0 64.4#
67	0.0	70.2 105.4#
52	0.0	26.0 39.0#



#43
Isopropyl Acetate
Concen: 0.218 ug/l
RT: 6.117 min Scan# 825
Delta R.T. -0.225 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 43	Resp:	533
Ion	Ratio	Lower Upper
43	100	
61	0.0	18.5 27.7#
87	0.0	13.0 19.6#

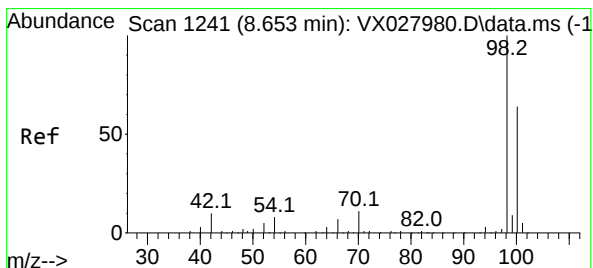
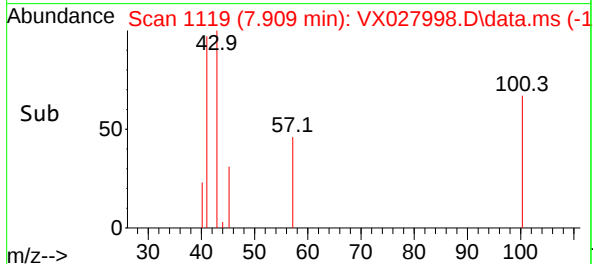
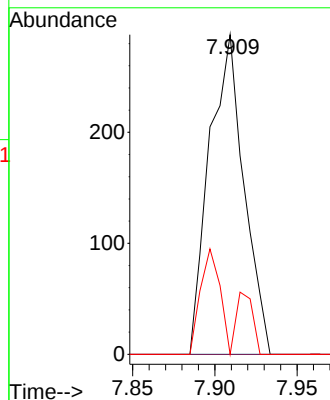
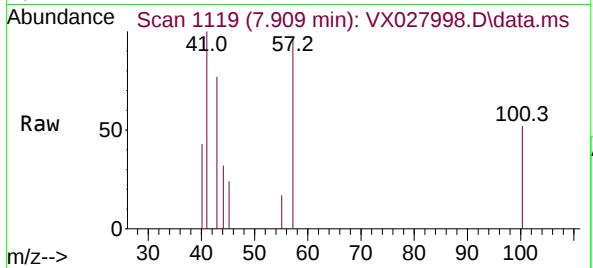




#48
Methyl methacrylate
Concen: 0.358 ug/l
RT: 7.909 min Scan# 1119
Delta R.T. 0.213 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

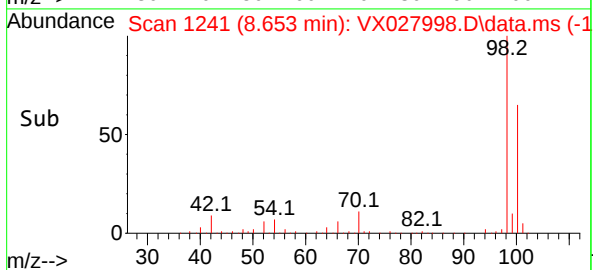
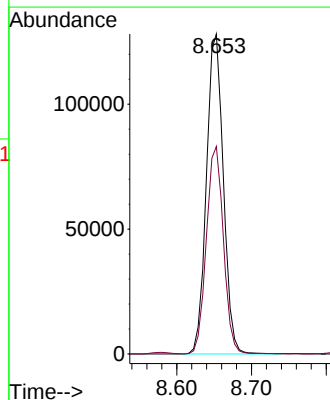
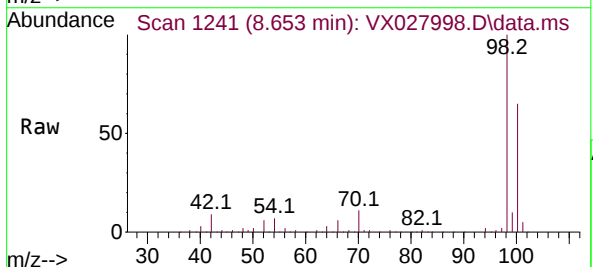
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

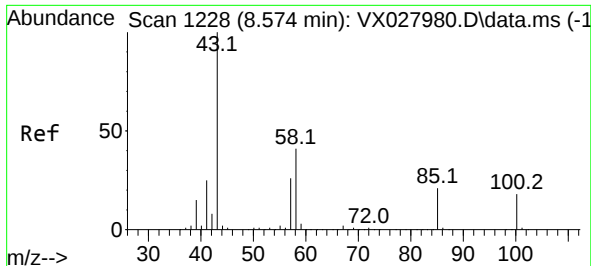
Tgt Ion: 41 Resp: 421
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 9.3 43.8 65.8#



#50
Toluene-d8
Concen: 46.777 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 98 Resp: 200971
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

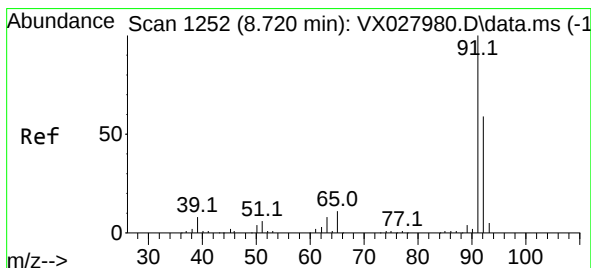
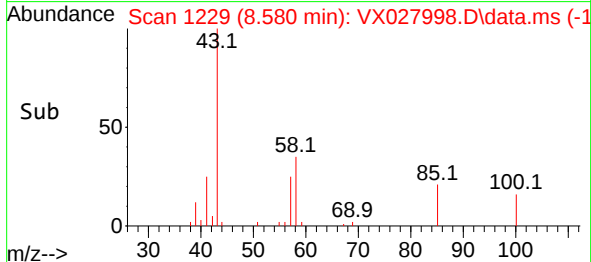
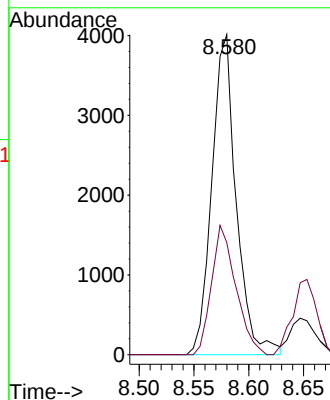
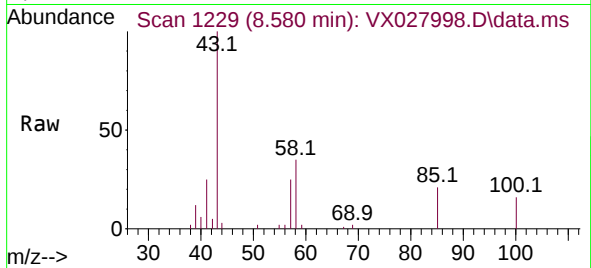




#51
4-Methyl-2-Pentanone
Concen: 3.864 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

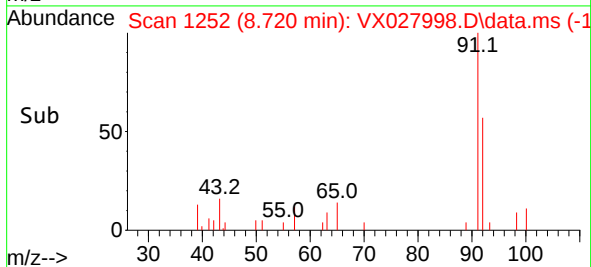
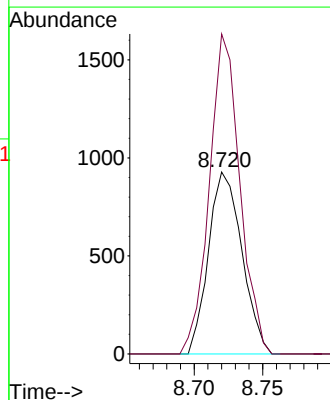
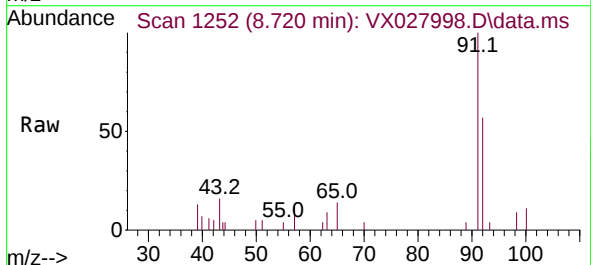
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

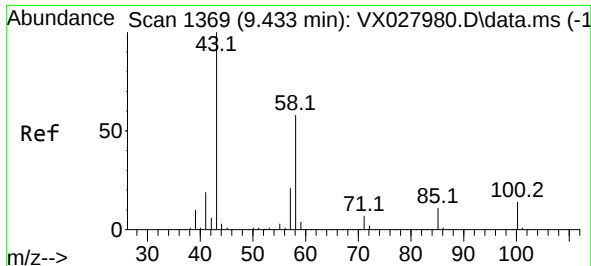
Tgt Ion: 43 Resp: 6201
Ion Ratio Lower Upper
43 100
58 40.4 36.1 54.1



#52
Toluene
Concen: 0.533 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 92 Resp: 1575
Ion Ratio Lower Upper
92 100
91 160.6 137.5 206.3





#59

2-Hexanone

Concen: 3.622 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

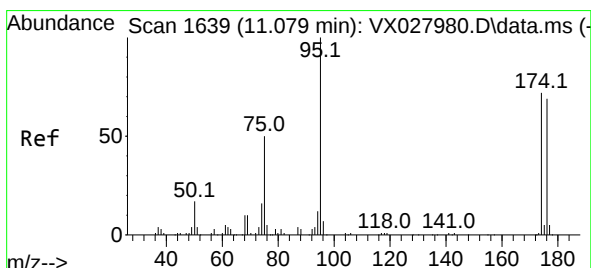
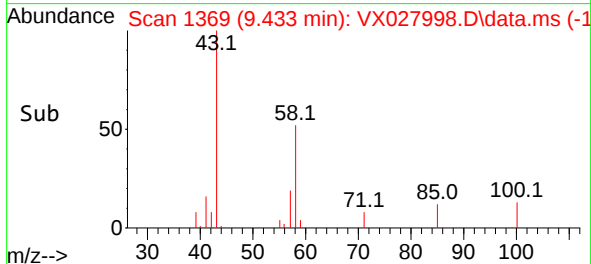
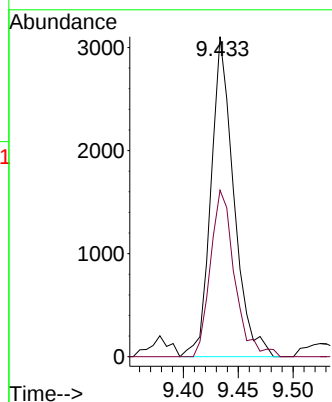
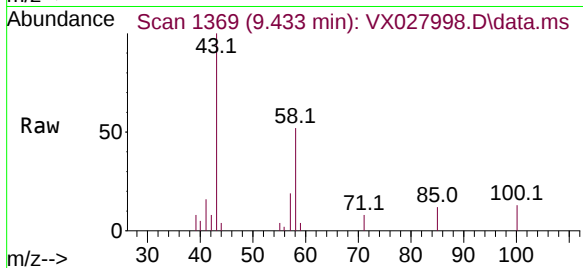
2822SDL

Tgt Ion: 43 Resp: 4493

Ion Ratio Lower Upper

43 100

58 55.1 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 47.612 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027998.D

Acq: 06 Apr 2022 15:45

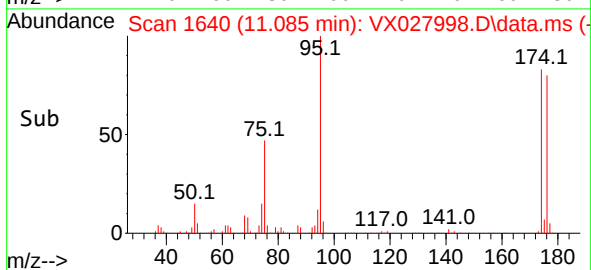
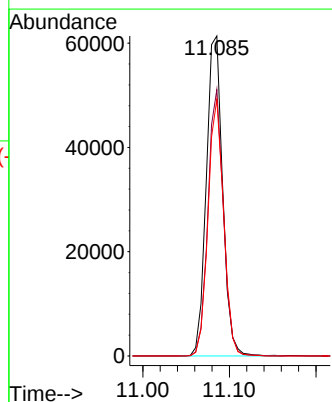
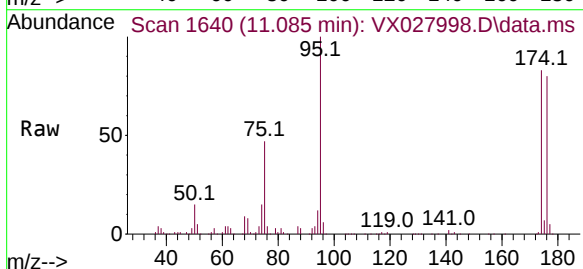
Tgt Ion: 95 Resp: 80444

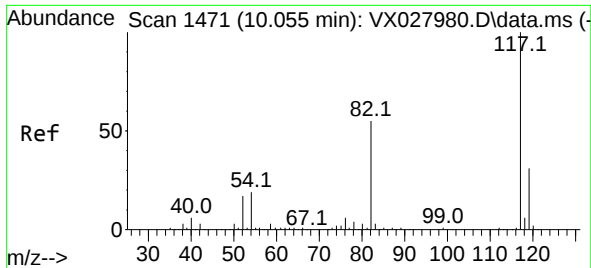
Ion Ratio Lower Upper

95 100

174 78.6 0.0 163.0

176 76.6 0.0 155.0

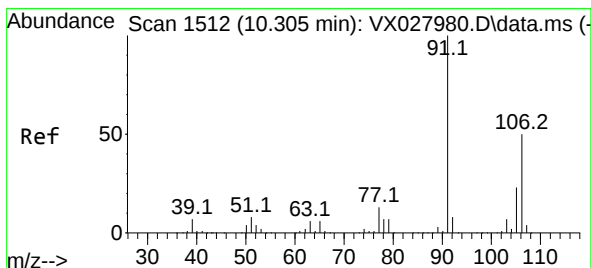
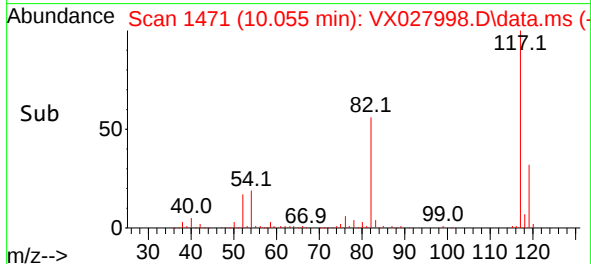
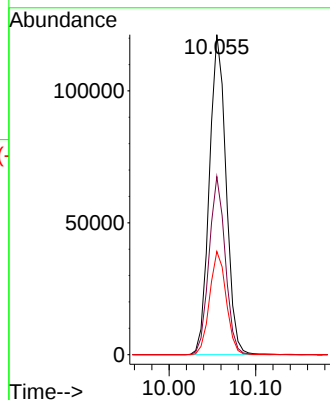
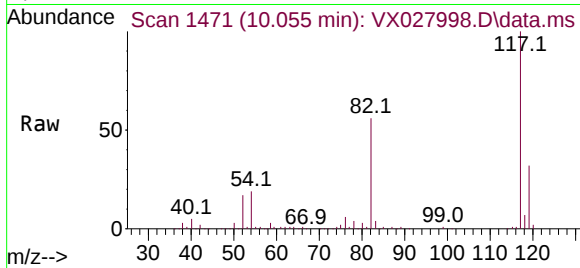




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

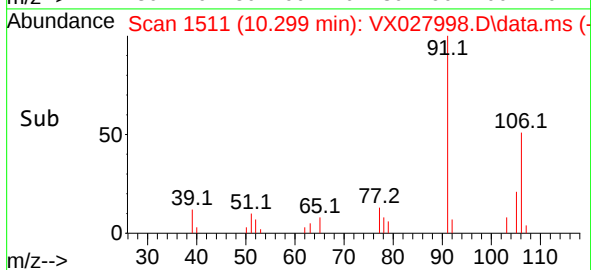
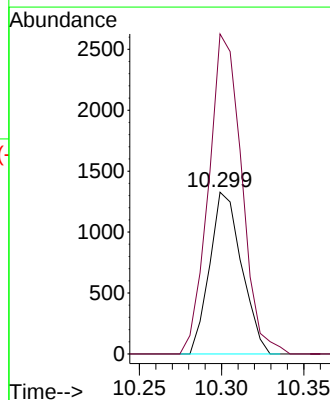
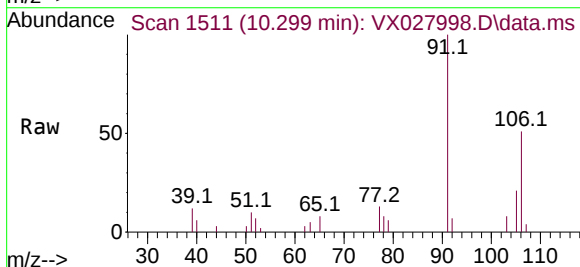
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

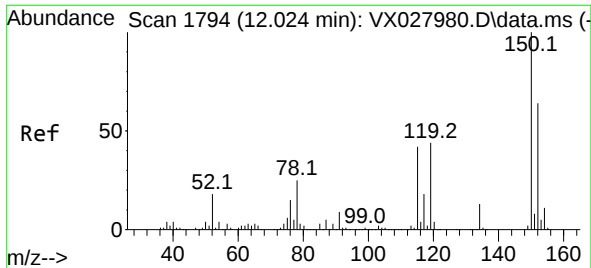
Tgt Ion:117 Resp: 162340
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.3 24.8 37.2



#68
m/p-Xylenes
Concen: 0.777 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion:106 Resp: 1793
Ion Ratio Lower Upper
106 100
91 205.1 160.4 240.6

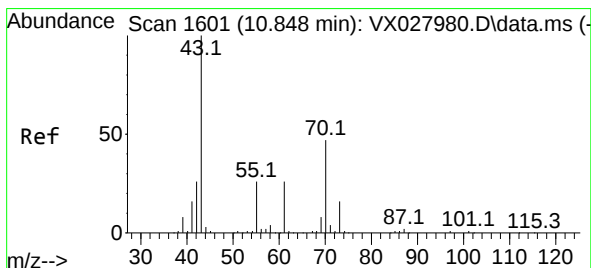
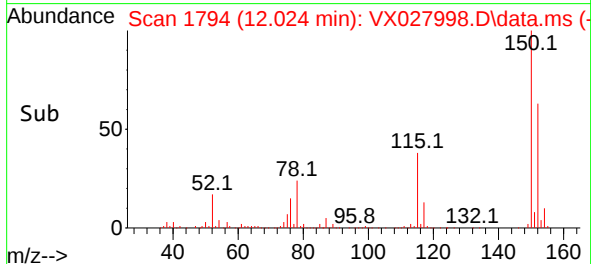
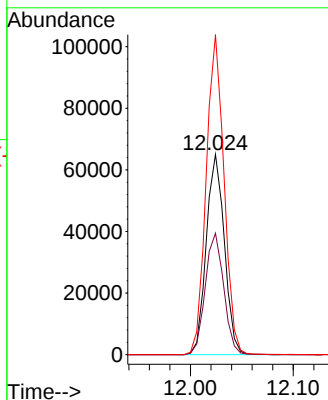
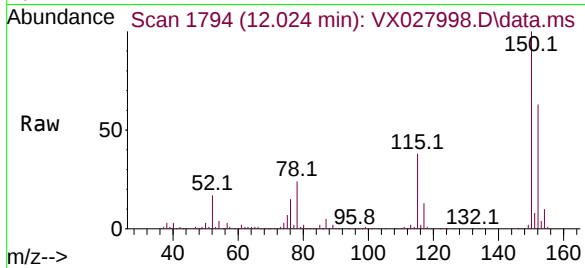




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

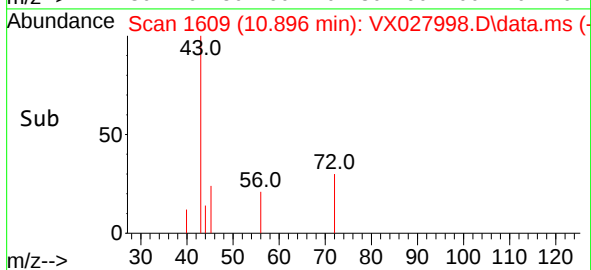
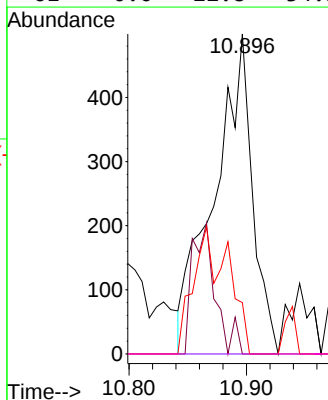
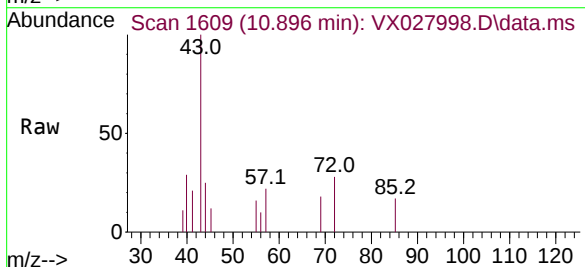
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

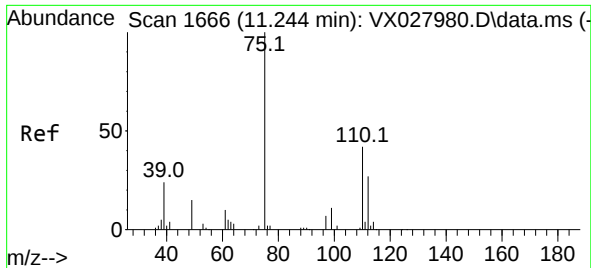
Tgt Ion:152 Resp: 79682
Ion Ratio Lower Upper
152 100
115 61.8 37.5 112.7
150 157.5 0.0 338.2



#74
N-ethyl acetate
Concen: 0.586 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.048 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
70 0.0 42.5 63.7#
55 0.0 23.1 34.7#
61 0.0 22.8 34.2#

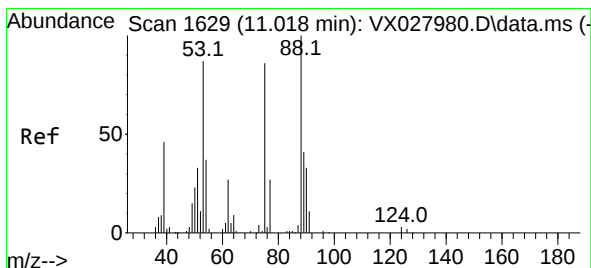
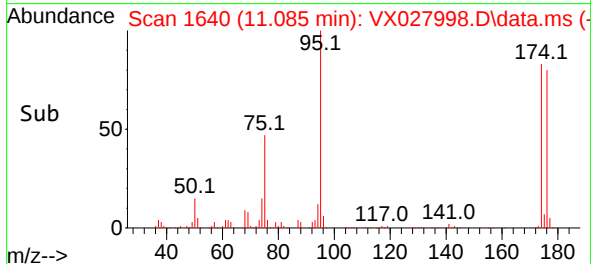
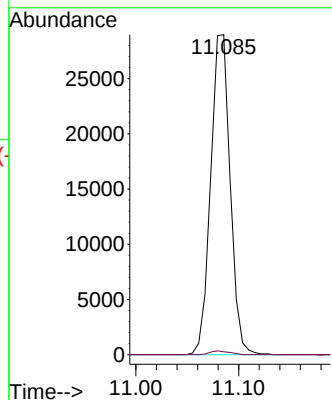
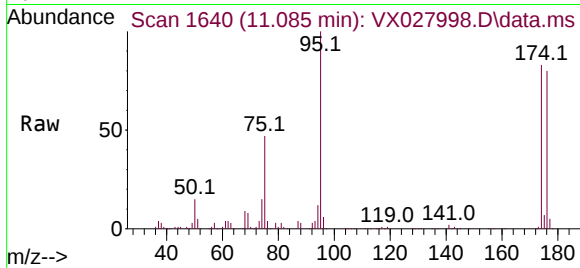




#76
1,2,3-Trichloropropane
Concen: 23.317 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

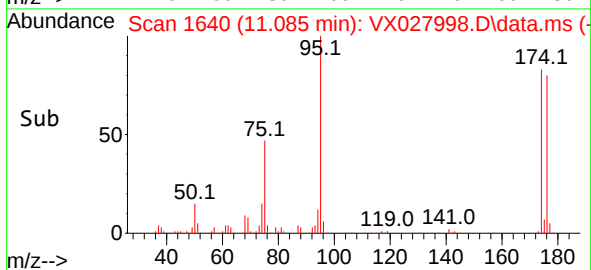
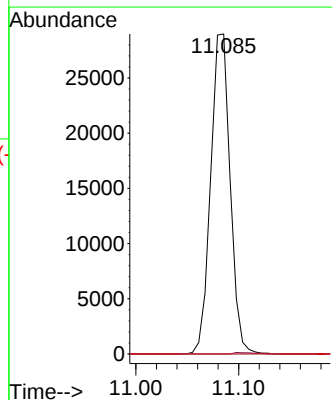
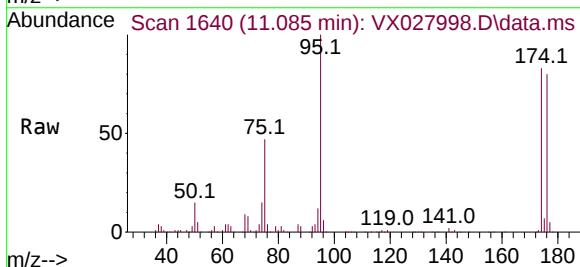
Instrument :
MSVOA_X
ClientSampleId :
2822SDL

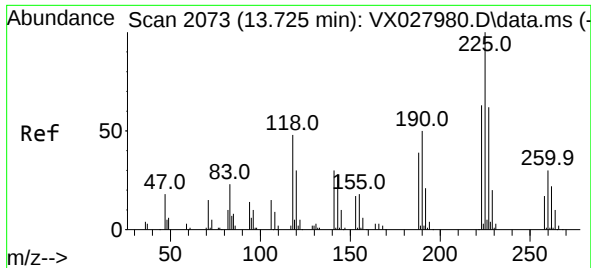
Tgt Ion: 75 Resp: 38146
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.508 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027998.D
Acq: 06 Apr 2022 15:45

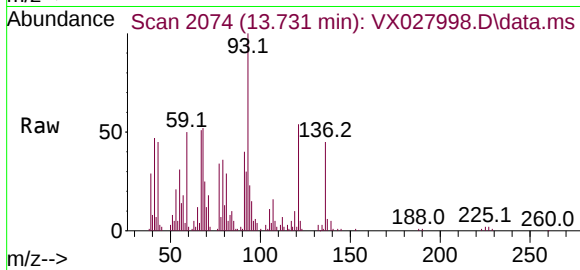
Tgt Ion: 75 Resp: 38146
Ion Ratio Lower Upper
75 100
53 0.4 69.0 103.4#
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: 0.359 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX027998.D
 Acq: 06 Apr 2022 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 2822SDL



Tgt Ion:	225	Resp:	294
Ion	Ratio	Lower	Upper
225	100		
223	61.6	34.2	102.5
227	61.2	33.9	101.7

