

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028497.D
 Acq On : 03 May 2022 13:32
 Operator : JC/MD
 Sample : N2642-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30989DL

Quant Time: May 04 06:04:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

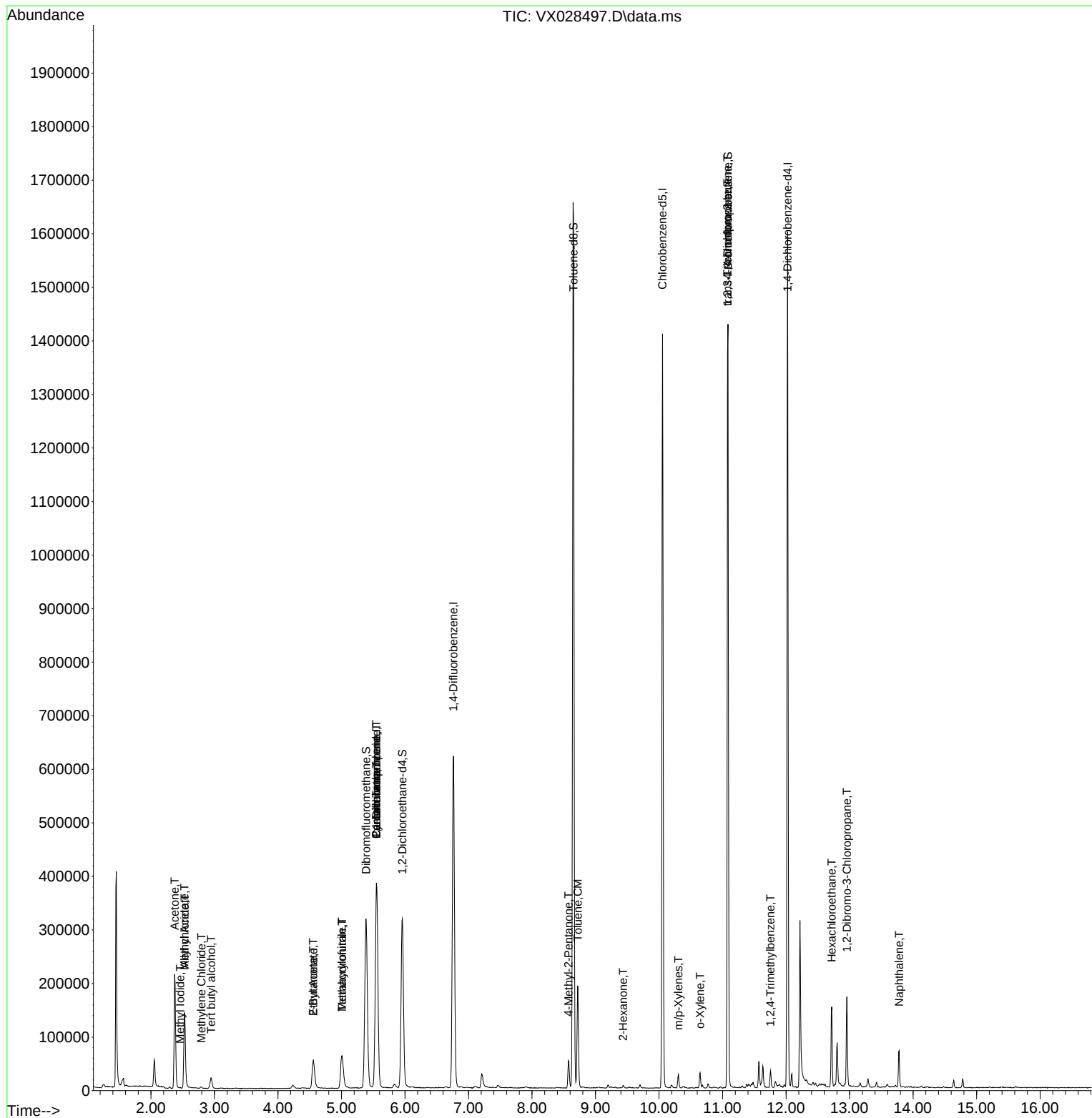
Internal Standards						
1) Pentafluorobenzene	5.550	168	381201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	666939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	653343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	329821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	302452	60.850	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 121.700%			
35) Dibromofluoromethane	5.385	113	272195	58.196	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 116.400%			
50) Toluene-d8	8.653	98	1018802	56.713	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 113.420%			
62) 4-Bromofluorobenzene	11.085	95	385390	56.108	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.220%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	434	Below Cal	#	82
5) Bromomethane	1.611	94	1308	Below Cal		91
6) Chloroethane	1.678	64	339	Below Cal	#	43
10) Methyl Iodide	2.459	142	943	5.434	ug/l #	90
11) Tert butyl alcohol	2.946	59	12315	3.128	ug/l #	83
14) Allyl chloride	2.532	41	14470	2.944	ug/l #	57
16) Acetone	2.373	43	216136	141.766	ug/l	96
18) Methyl Acetate	2.526	43	42437	9.603	ug/l #	46
20) Methylene Chloride	2.794	84	1239	0.336	ug/l #	82
25) 2-Butanone	4.556	43	82390	27.989	ug/l	100
29) Tetrahydrofuran	5.007	42	55739	29.040	ug/l	97
31) Cyclohexane	5.550	56	7537	1.245	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	28370	4.650	ug/l #	49
37) Ethyl Acetate	4.556	43	82390	13.309	ug/l #	65
38) Carbon Tetrachloride	5.550	117	37931	5.507	ug/l #	15
41) Methacrylonitrile	5.007	41	33011	10.336	ug/l #	40
51) 4-Methyl-2-Pentanone	8.574	43	29788	4.607	ug/l	92
52) Toluene	8.720	92	71899	5.795	ug/l	100
59) 2-Hexanone	9.433	43	2555	0.510	ug/l	100
68) m/p-Xylenes	10.305	106	5908	0.621	ug/l	100
69) o-Xylene	10.646	106	6100	0.644	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	190304	29.318	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	190304	87.124	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	13395	0.700	ug/l	84
90) Hexachloroethane	12.719	117	18921	6.769	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	12.957	75	1736	1.061	ug/l #	1
95) Naphthalene	13.780	128	44643	2.045	ug/l	99

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

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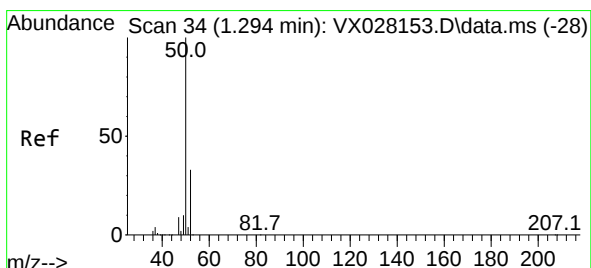
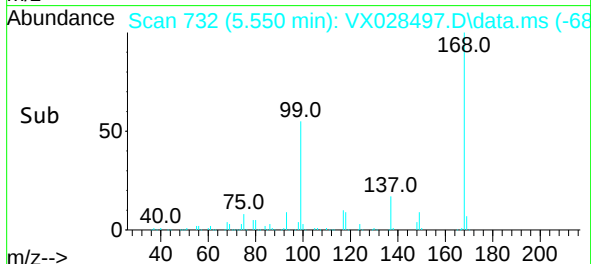
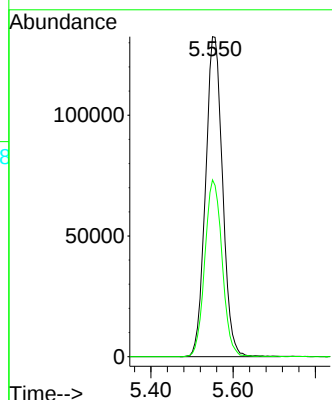
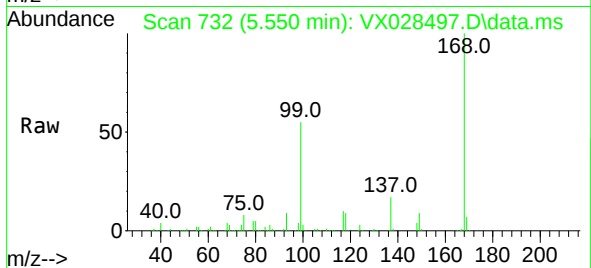




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

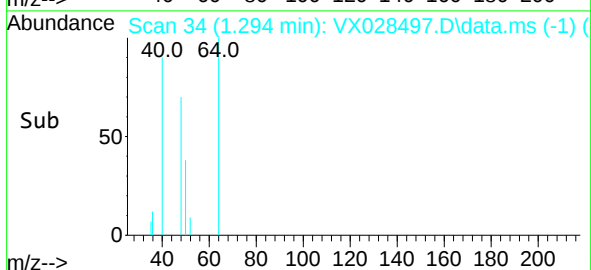
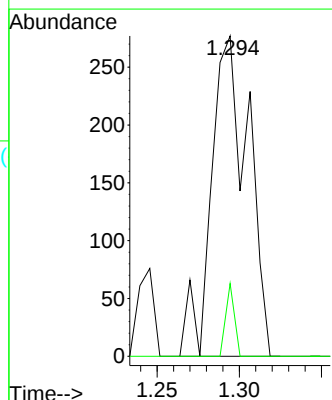
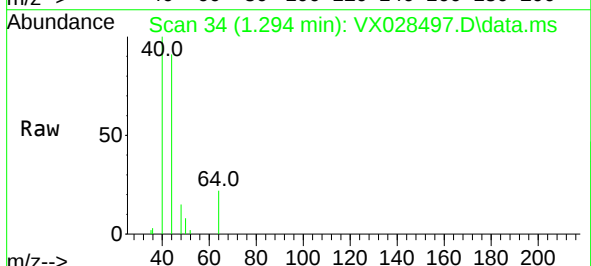
Instrument :
MSVOA_X
ClientSampleId :
30989DL

Tgt Ion:168 Resp: 381201
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 50 Resp: 434
Ion Ratio Lower Upper
50 100
52 22.7 26.4 39.6#

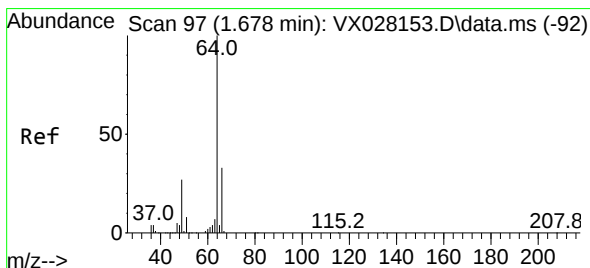
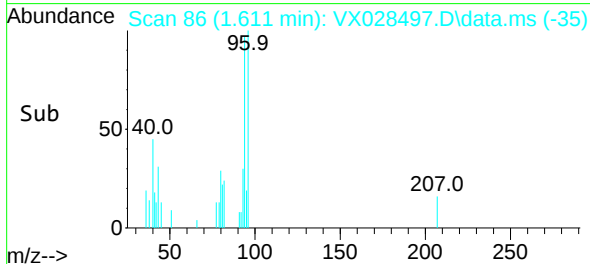
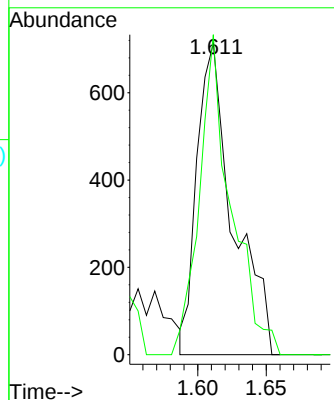
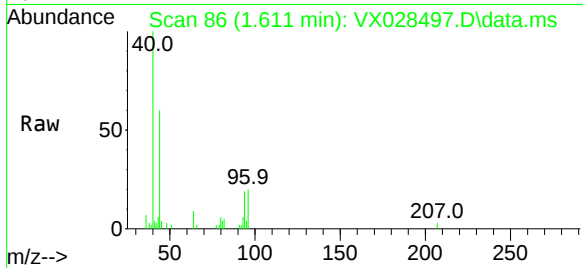




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

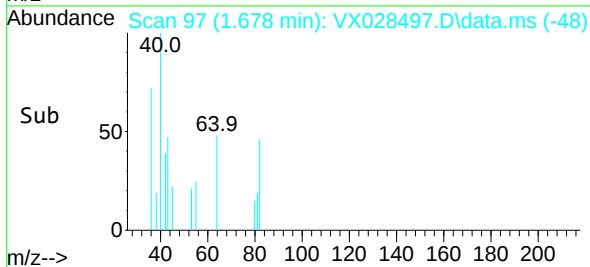
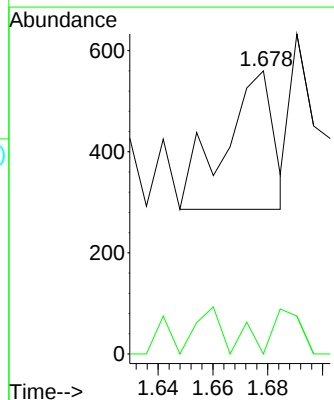
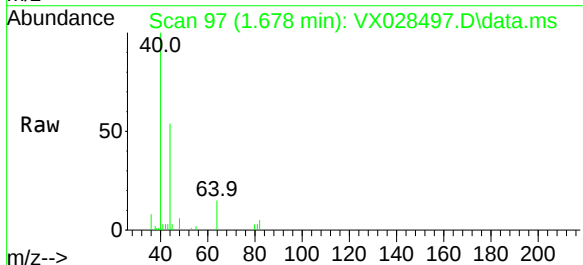
Instrument :
MSVOA_X
ClientSampleId :
30989DL

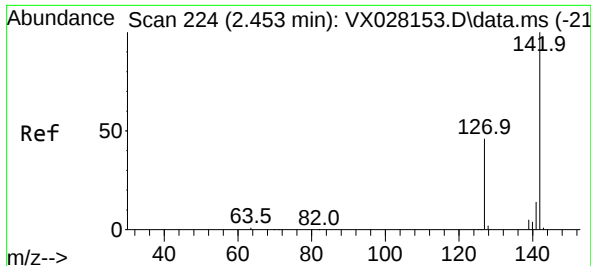
Tgt Ion: 94 Resp: 1308
Ion Ratio Lower Upper
94 100
96 102.8 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 64 Resp: 339
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

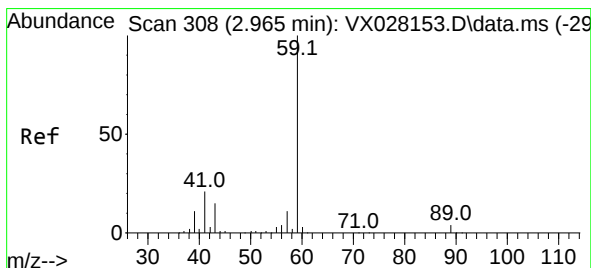
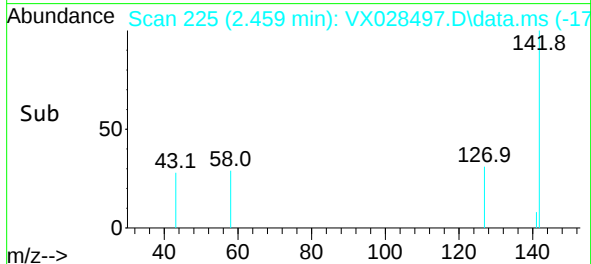
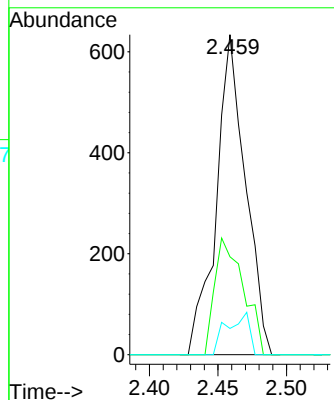
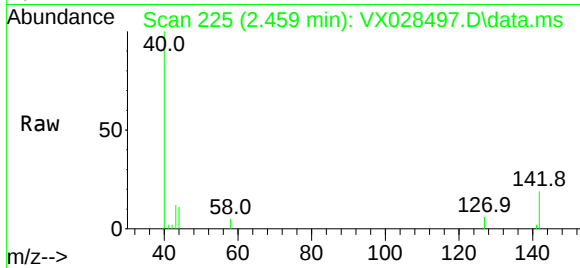




#10
Methyl Iodide
Concen: 5.434 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

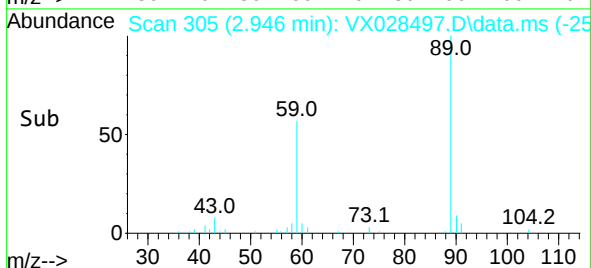
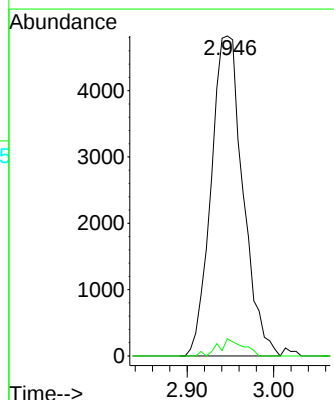
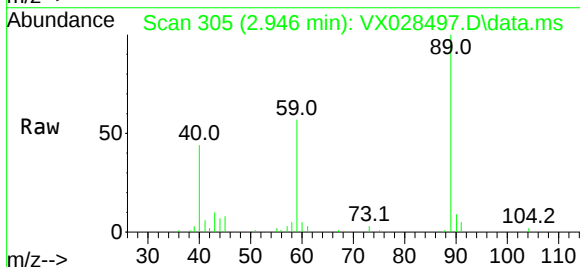
Instrument :
MSVOA_X
ClientSampleId :
30989DL

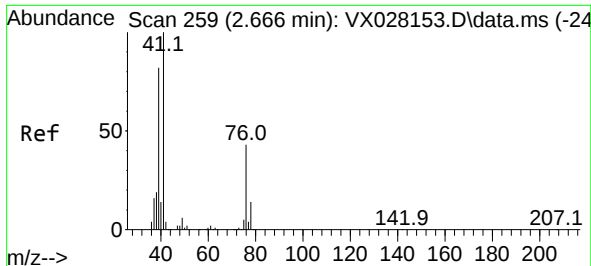
Tgt Ion:142 Resp: 943
Ion Ratio Lower Upper
142 100
127 35.8 33.9 50.9
141 10.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.128 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 59 Resp: 12315
Ion Ratio Lower Upper
59 100
57 4.2 8.3 12.5#





#14

Allyl chloride

Concen: 2.944 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.134 min

Lab File: VX028497.D

Acq: 03 May 2022 13:32

Instrument :

MSVOA_X

ClientSampleId :

30989DL

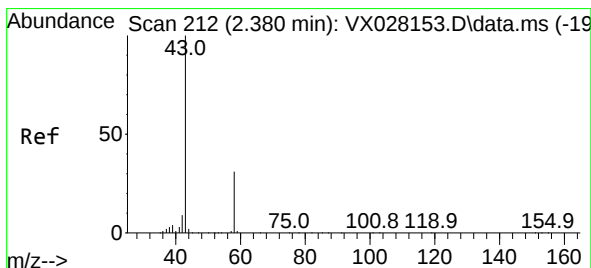
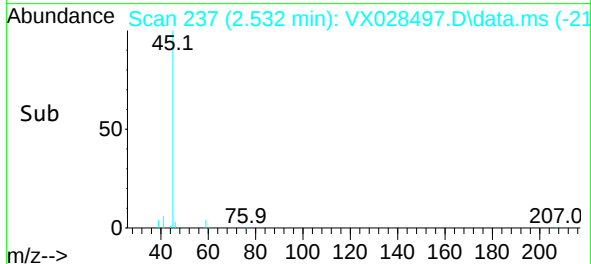
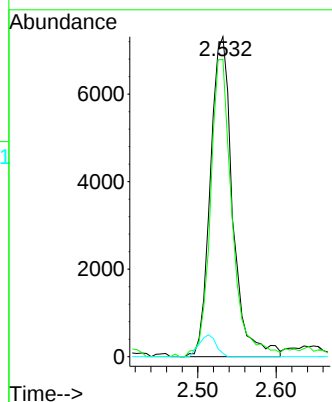
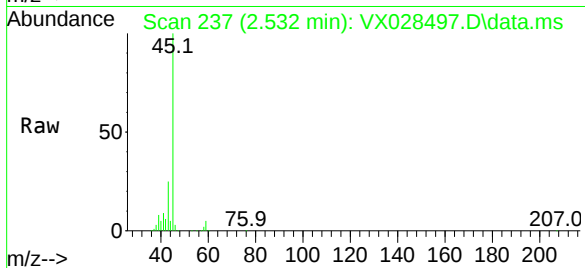
Tgt Ion: 41 Resp: 14470

Ion Ratio Lower Upper

41 100

39 89.8 50.4 75.6#

76 5.2 32.7 49.1#



#16

Acetone

Concen: 141.766 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX028497.D

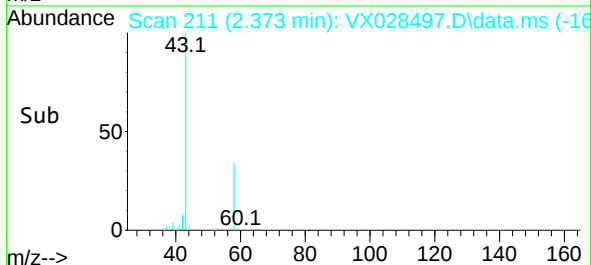
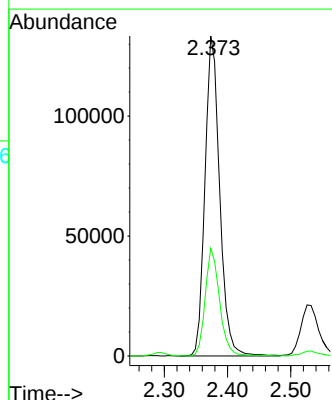
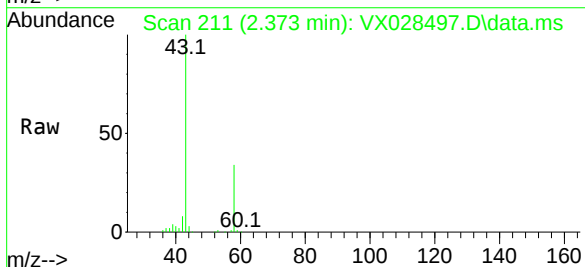
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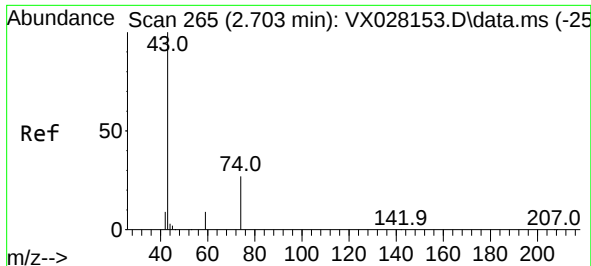
Tgt Ion: 43 Resp: 216136

Ion Ratio Lower Upper

43 100

58 33.6 28.8 43.2

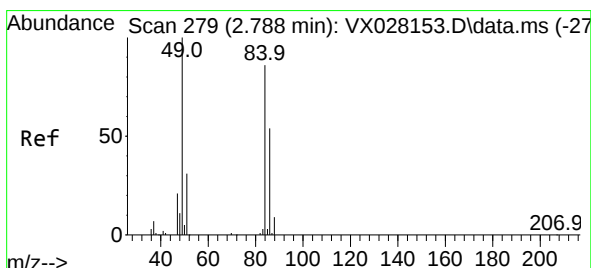
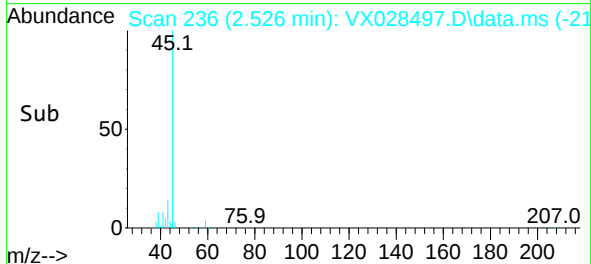
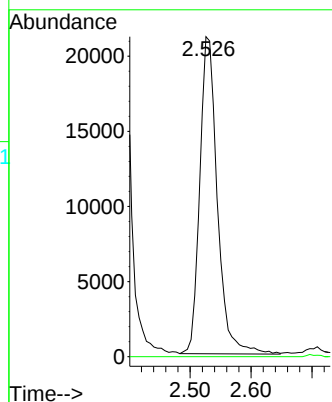
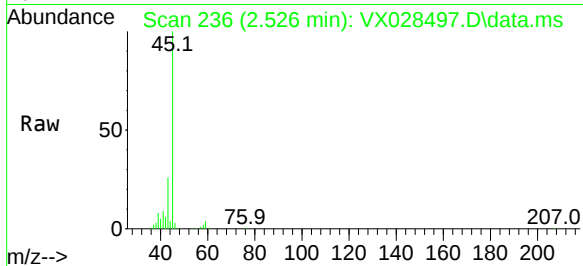




#18
Methyl Acetate
Concen: 9.603 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.177 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

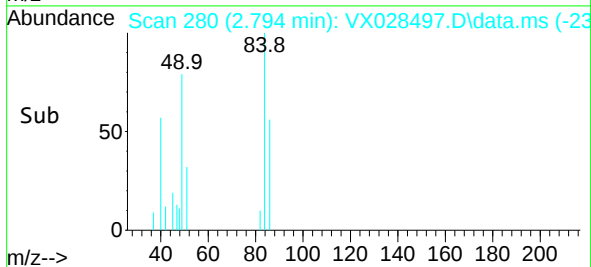
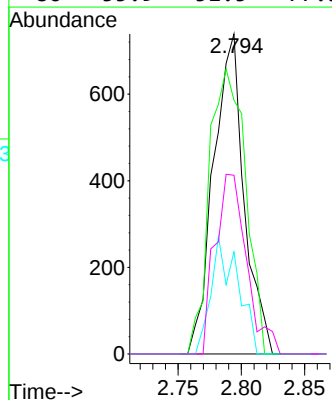
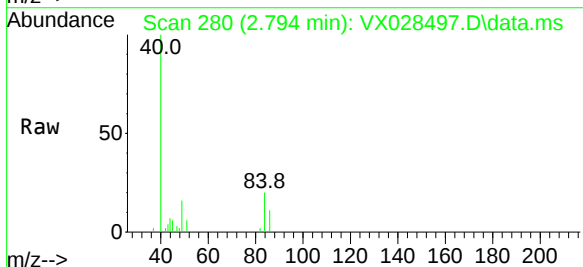
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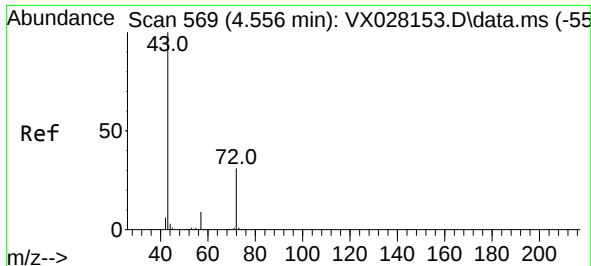
Tgt Ion: 43 Resp: 42437
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 84 Resp: 1239
Ion Ratio Lower Upper
84 100
49 79.3 85.5 128.3#
51 31.9 26.6 39.8
86 55.9 51.5 77.3

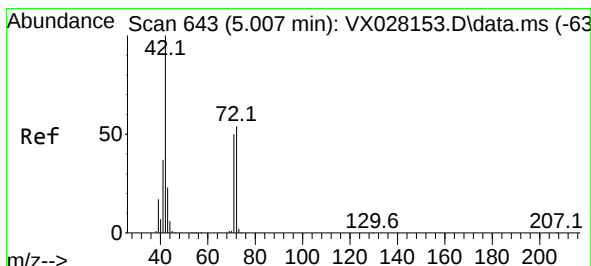
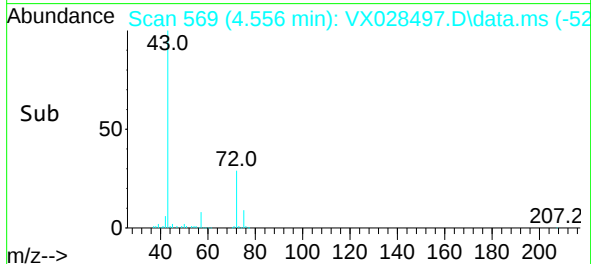
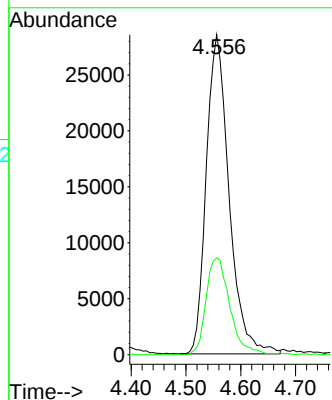
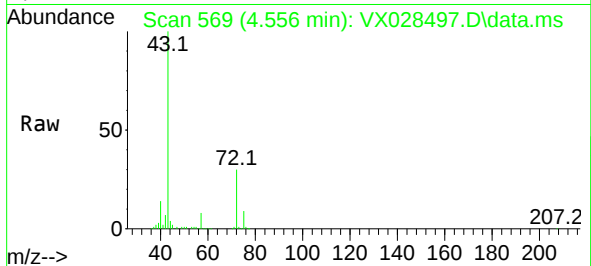




#25
2-Butanone
Concen: 27.989 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

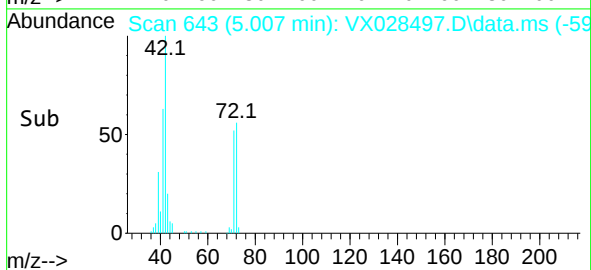
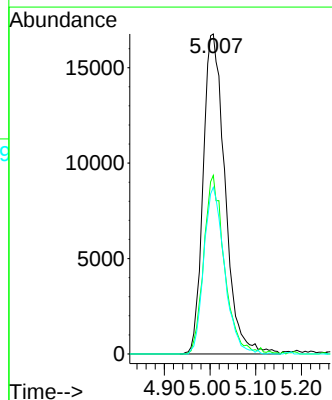
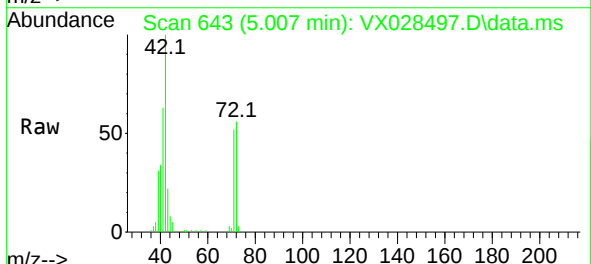
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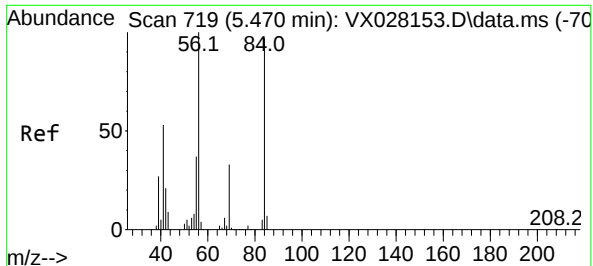
Tgt Ion: 43 Resp: 82390
Ion Ratio Lower Upper
43 100
72 30.3 24.4 36.6



#29
Tetrahydrofuran
Concen: 29.040 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 42 Resp: 55739
Ion Ratio Lower Upper
42 100
72 52.4 44.1 66.1
71 49.2 40.5 60.7

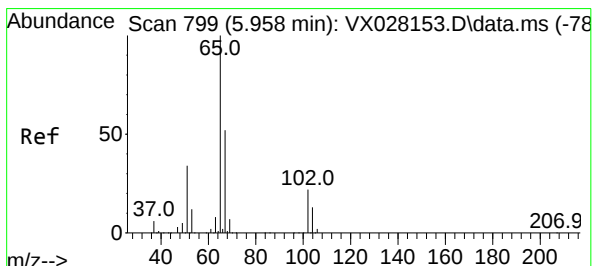
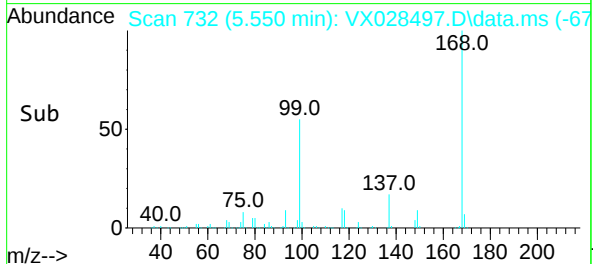
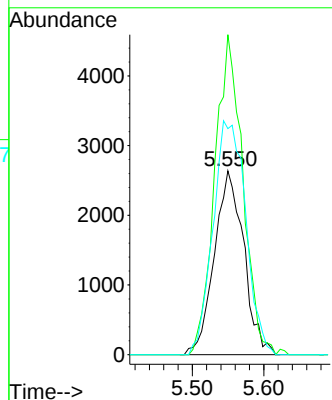
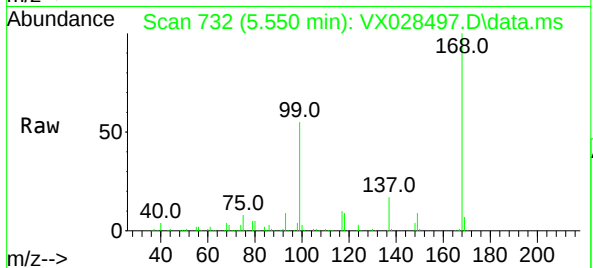




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

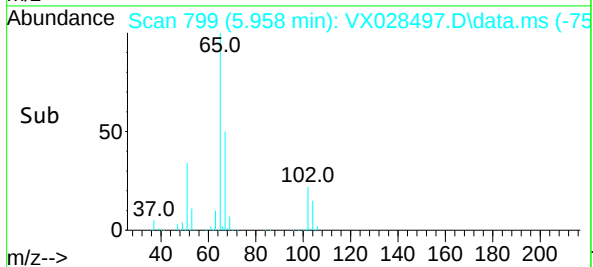
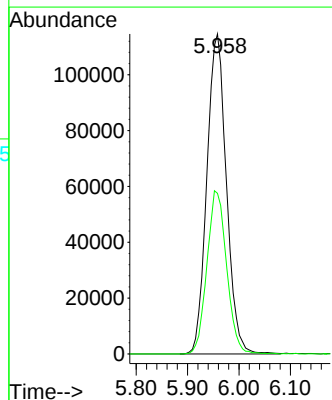
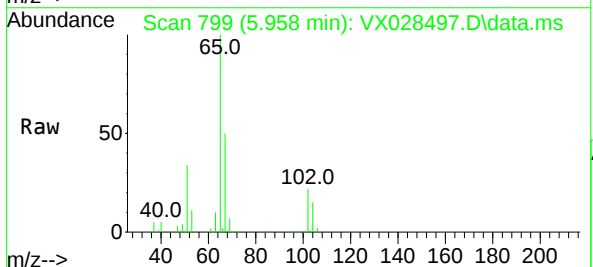
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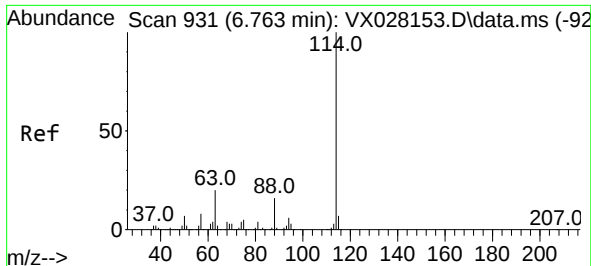
Tgt Ion: 56 Resp: 7537
Ion Ratio Lower Upper
56 100
69 174.0 26.7 40.1#
84 122.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 60.850 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 65 Resp: 302452
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4

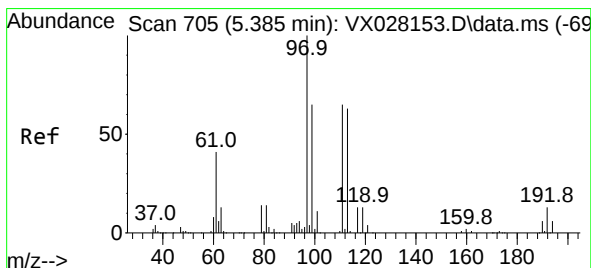
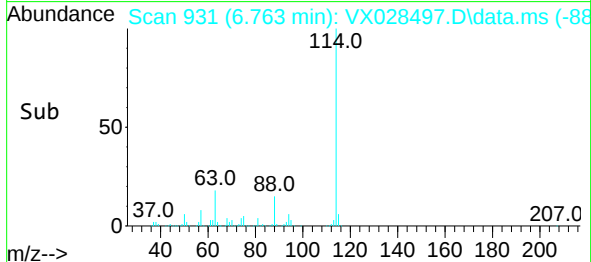
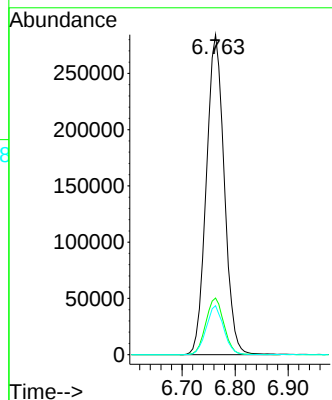
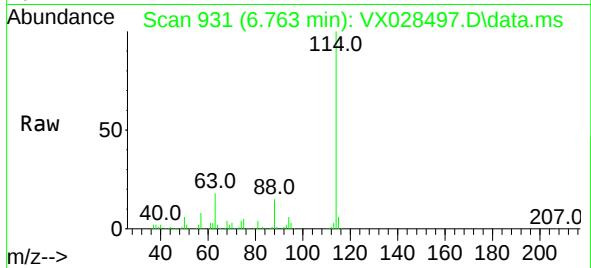




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

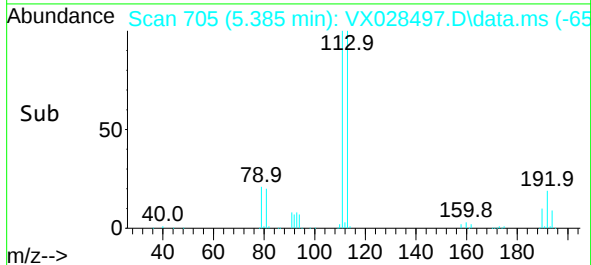
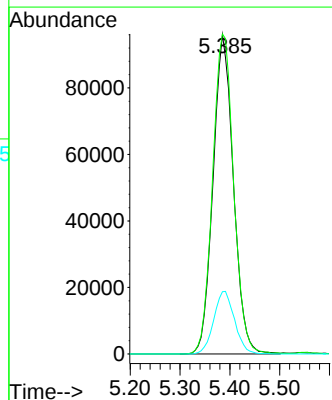
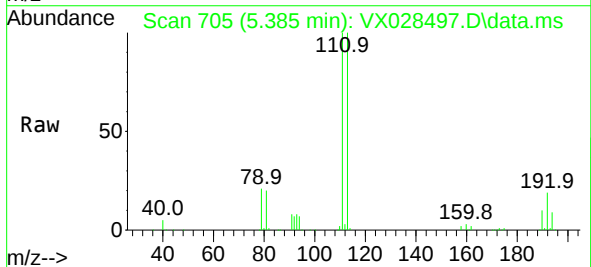
Instrument :
MSVOA_X
ClientSampleId :
30989DL

Tgt Ion:114 Resp: 666939
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 15.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 58.196 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion:113 Resp: 272195
Ion Ratio Lower Upper
113 100
111 103.7 82.8 124.2
192 20.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX028497.D

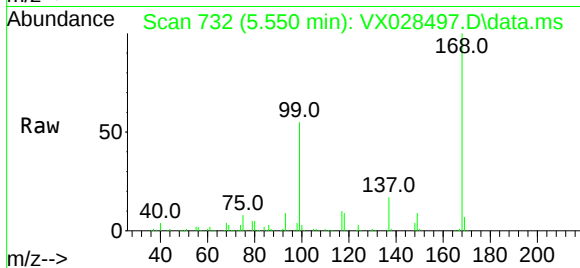
Acq: 03 May 2022 13:32

Instrument :

MSVOA_X

ClientSampleId :

30989DL



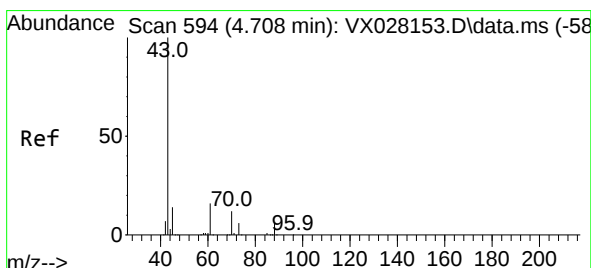
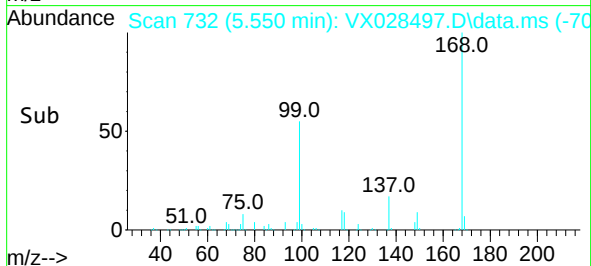
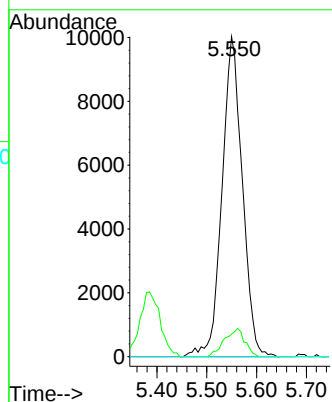
Tgt Ion: 75 Resp: 28370

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 13.309 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.152 min

Lab File: VX028497.D

Acq: 03 May 2022 13:32

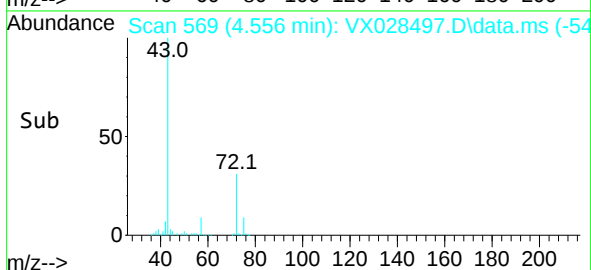
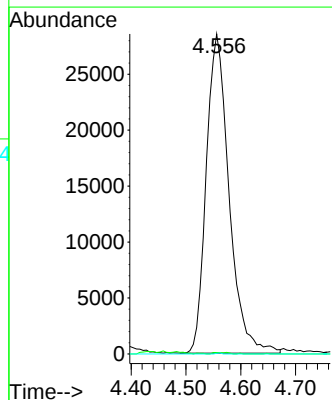
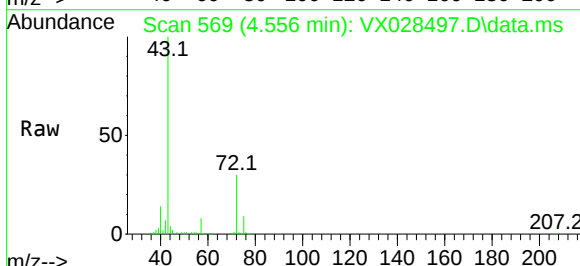
Tgt Ion: 43 Resp: 82390

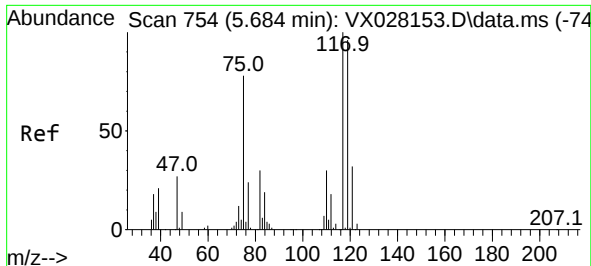
Ion Ratio Lower Upper

43 100

61 0.3 12.6 19.0#

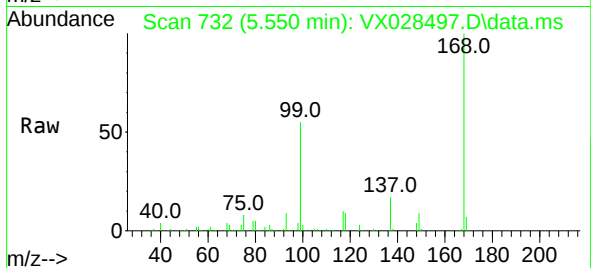
70 0.1 10.2 15.2#



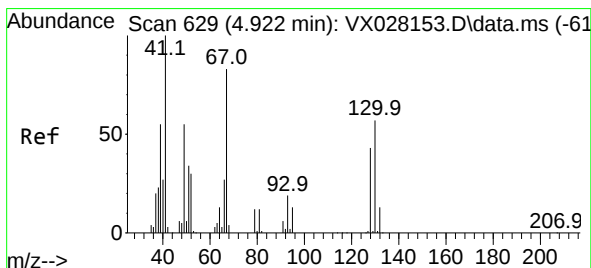
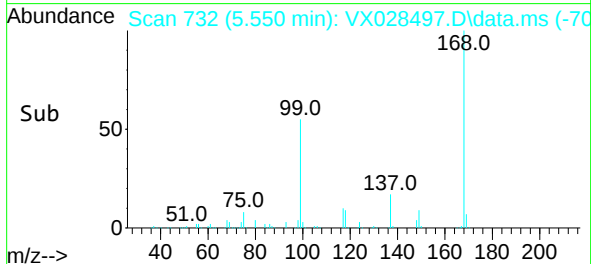
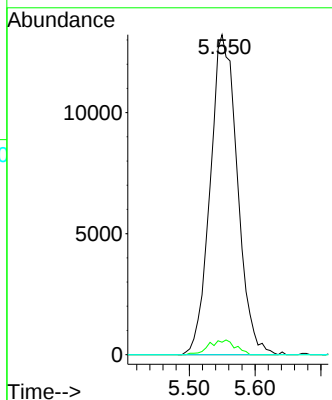


#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Instrument :
MSVOA_X
ClientSampleId :
30989DL

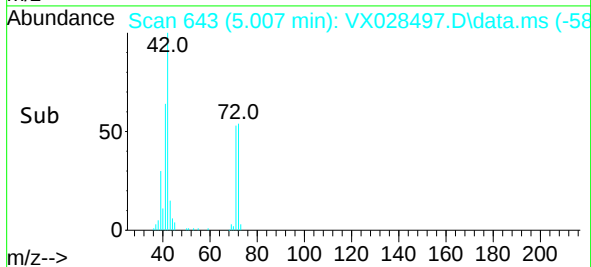
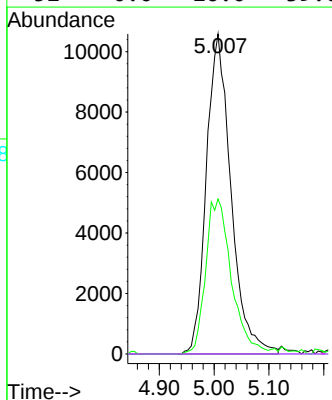
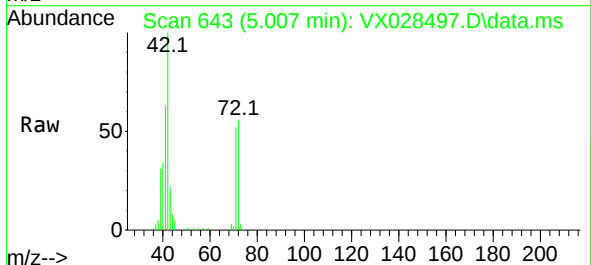


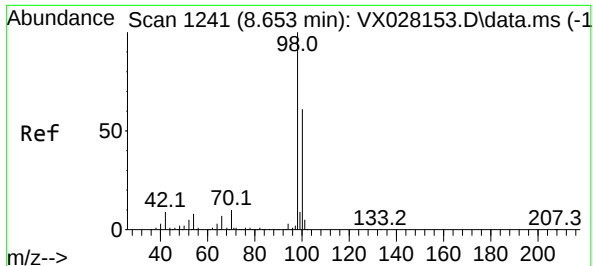
Tgt Ion:117 Resp: 37931
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 10.336 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.085 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 41 Resp: 33011
Ion Ratio Lower Upper
41 100
39 50.6 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

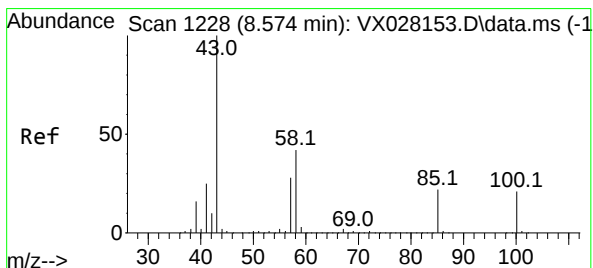
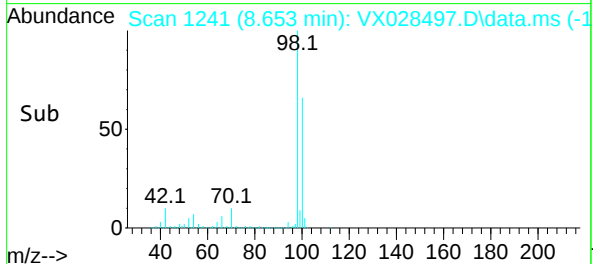
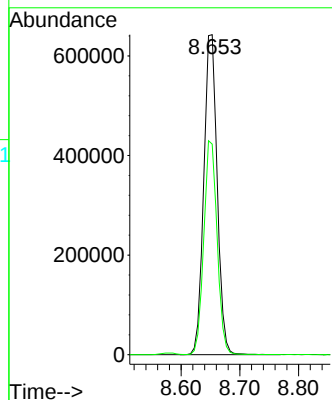
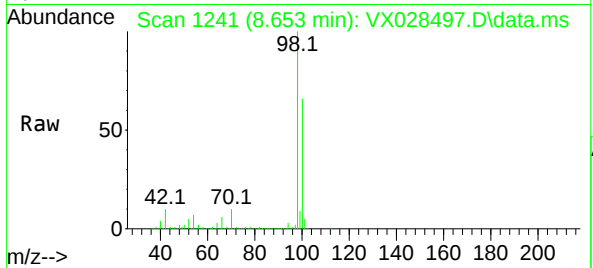




#50
Toluene-d8
Concen: 56.713 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

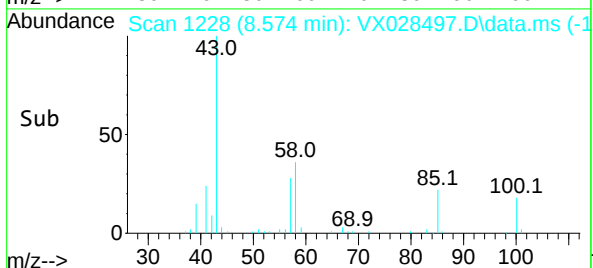
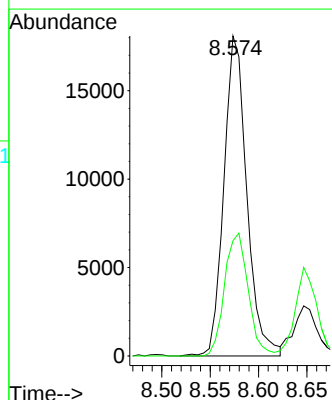
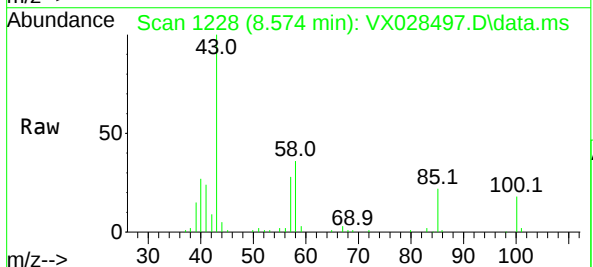
Instrument :
MSVOA_X
ClientSampleId :
30989DL

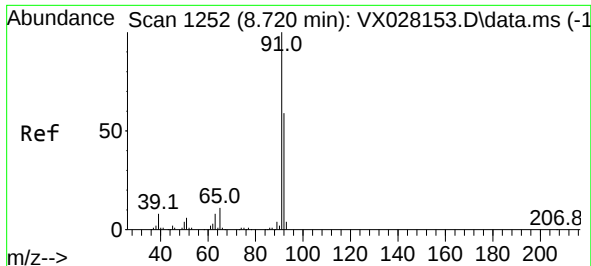
Tgt Ion: 98 Resp: 1018802
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 4.607 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 43 Resp: 29788
Ion Ratio Lower Upper
43 100
58 39.5 36.1 54.1

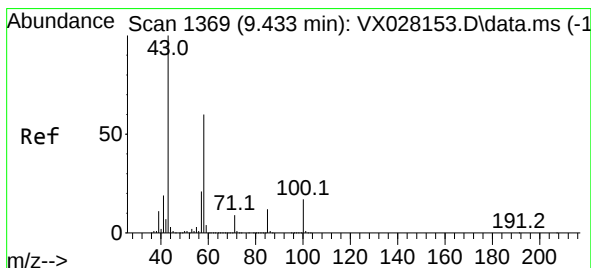
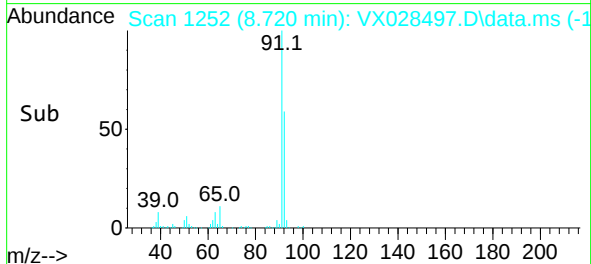
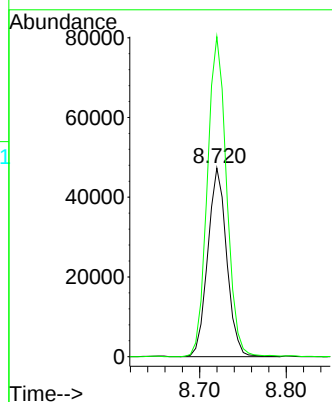
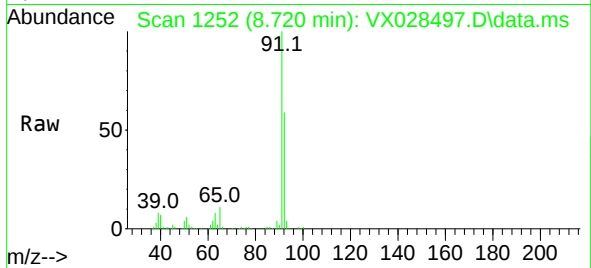




#52
Toluene
Concen: 5.795 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

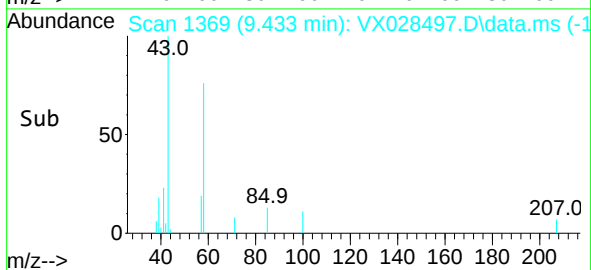
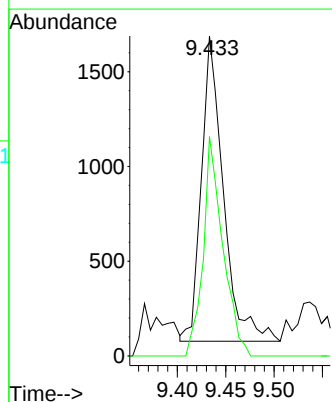
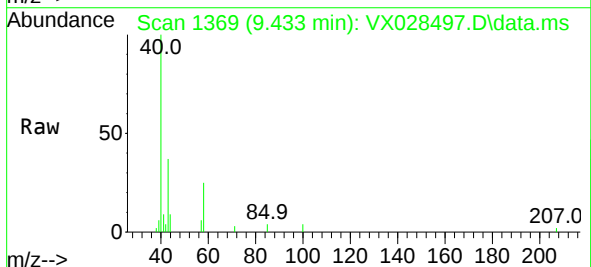
Instrument :
MSVOA_X
ClientSampleId :
30989DL

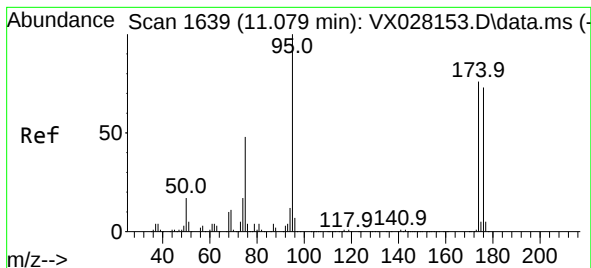
Tgt Ion: 92 Resp: 71899
Ion Ratio Lower Upper
92 100
91 172.0 137.5 206.3



#59
2-Hexanone
Concen: 0.510 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 43 Resp: 2555
Ion Ratio Lower Upper
43 100
58 63.9 31.9 95.7

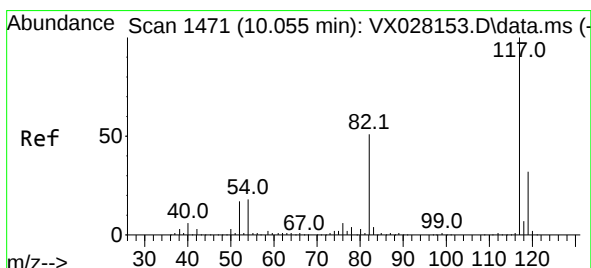
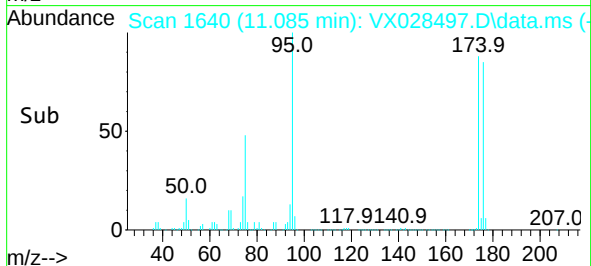
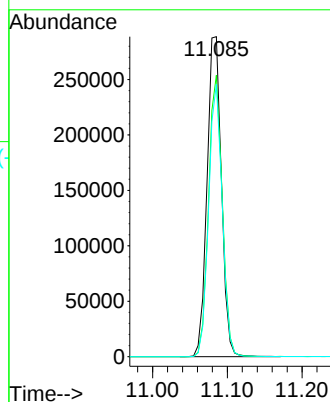
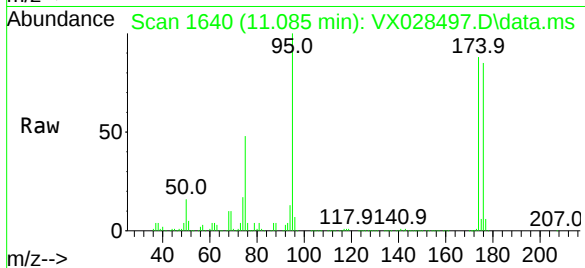




#62
4-Bromofluorobenzene
Concen: 56.108 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

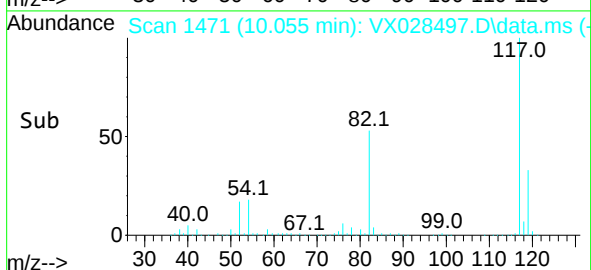
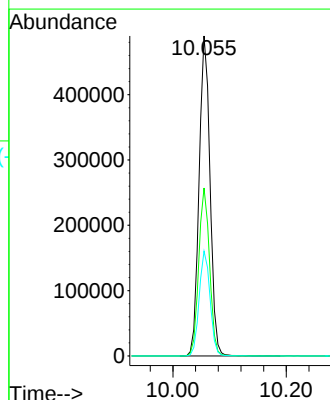
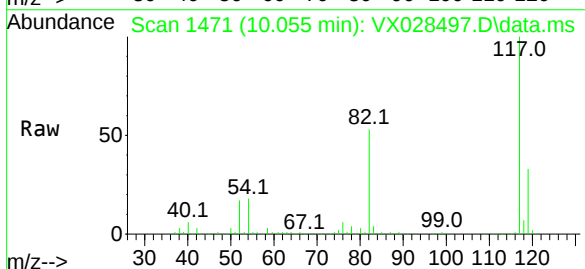
Instrument :
MSVOA_X
ClientSampleId :
30989DL

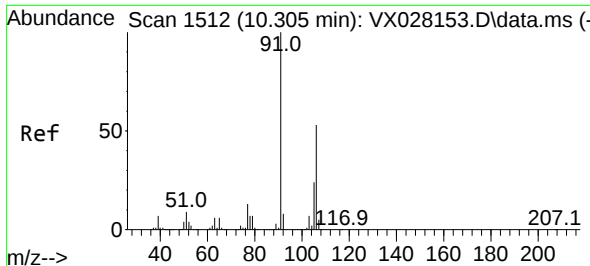
Tgt Ion: 95 Resp: 385390
Ion Ratio Lower Upper
95 100
174 84.0 0.0 163.0
176 80.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 117 Resp: 653343
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 32.8 24.8 37.2

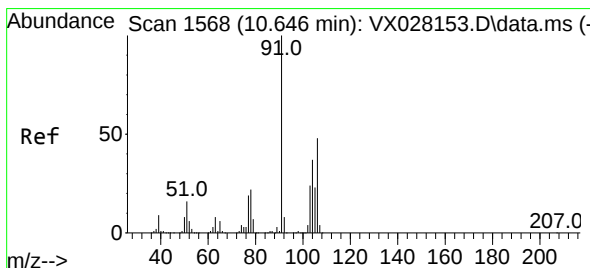
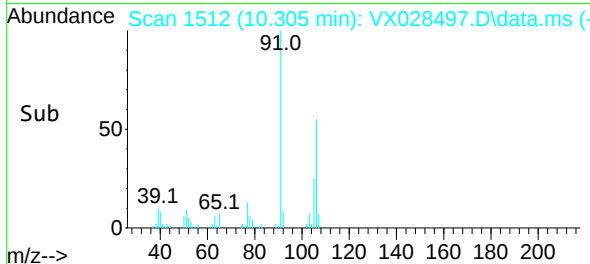
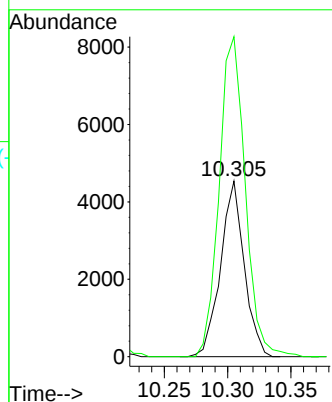
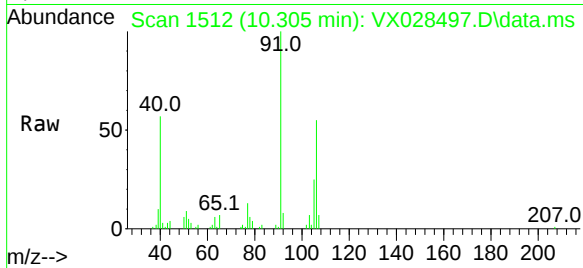




#68
m/p-Xylenes
Concen: 0.621 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

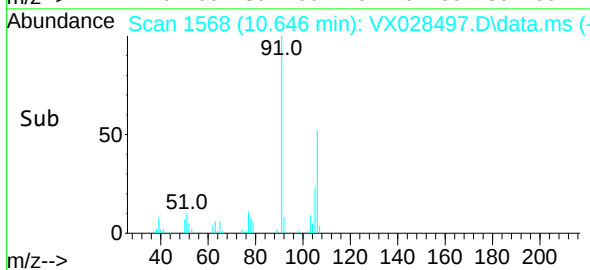
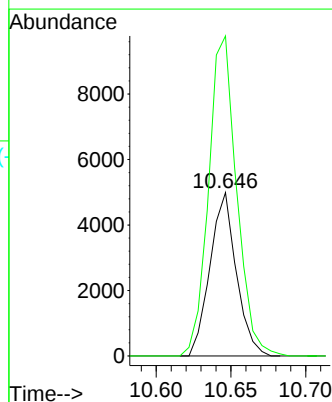
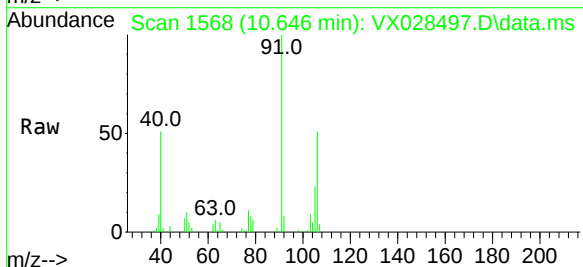
Instrument :
MSVOA_X
ClientSampleId :
30989DL

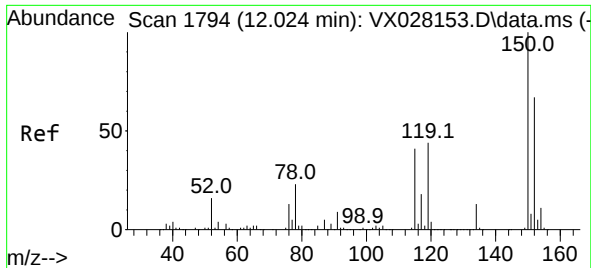
Tgt Ion:106 Resp: 5908
Ion Ratio Lower Upper
106 100
91 200.0 160.4 240.6



#69
o-Xylene
Concen: 0.644 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion:106 Resp: 6100
Ion Ratio Lower Upper
106 100
91 209.0 106.1 318.1

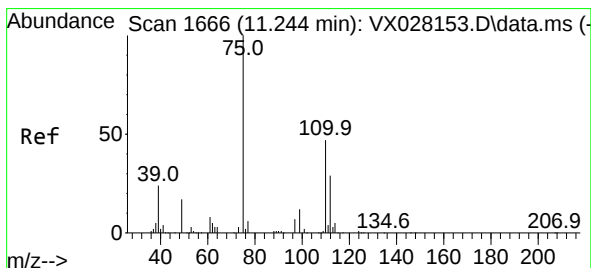
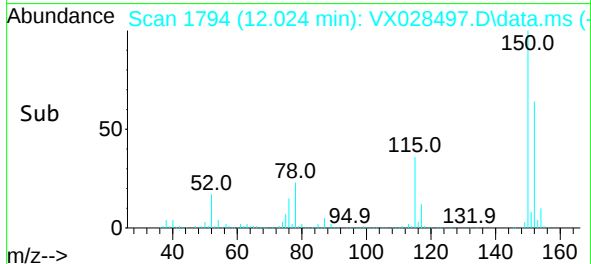
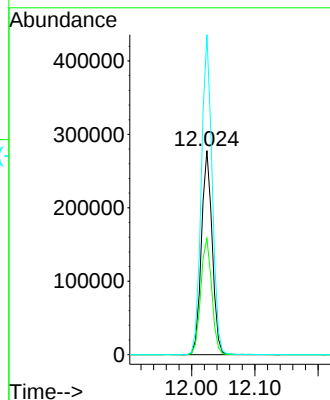
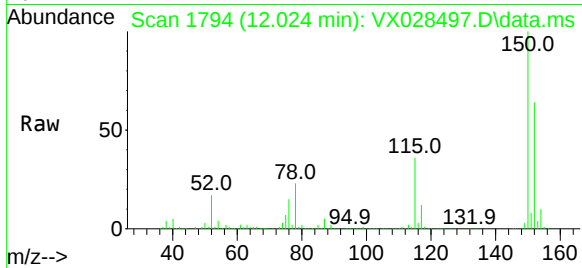




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028497.D
 Acq: 03 May 2022 13:32

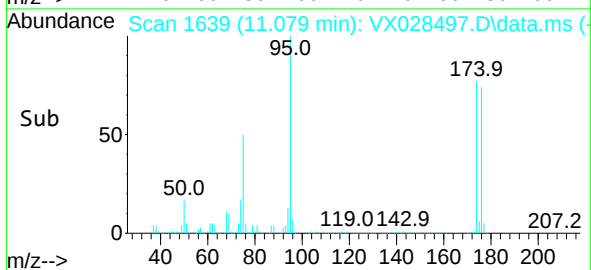
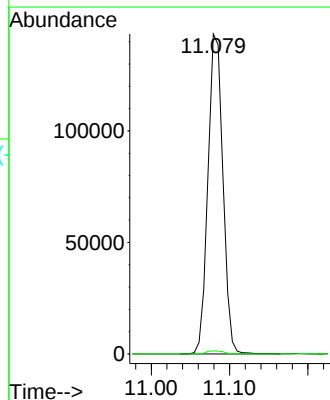
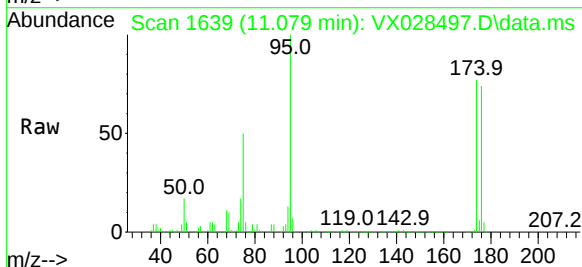
Instrument :
 MSVOA_X
 ClientSampleId :
 30989DL

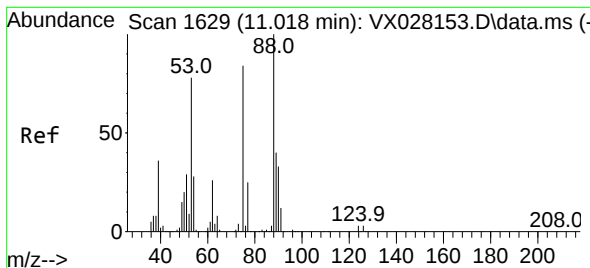
Tgt Ion:152 Resp: 329821
 Ion Ratio Lower Upper
 152 100
 115 58.0 37.5 112.7
 150 156.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 29.318 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028497.D
 Acq: 03 May 2022 13:32

Tgt Ion: 75 Resp: 190304
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

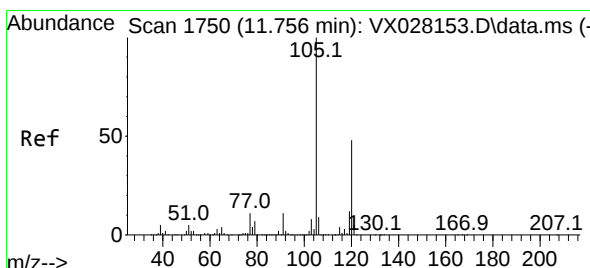
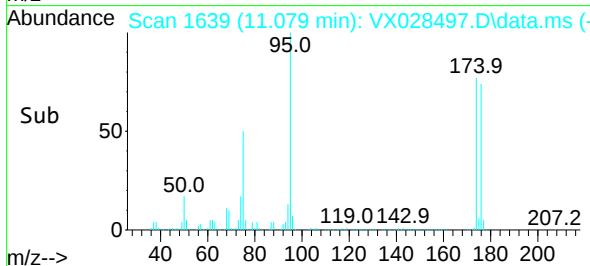
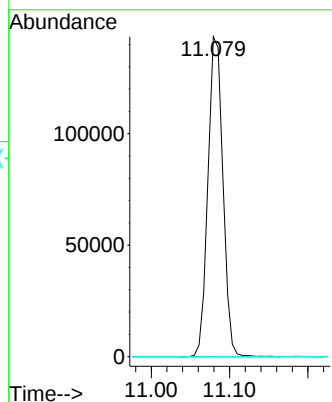
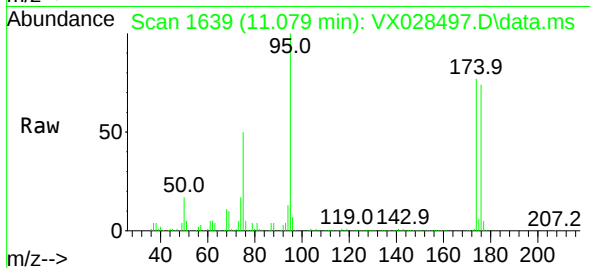




#81
trans-1,4-Dichloro-2-butene
Concen: 87.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

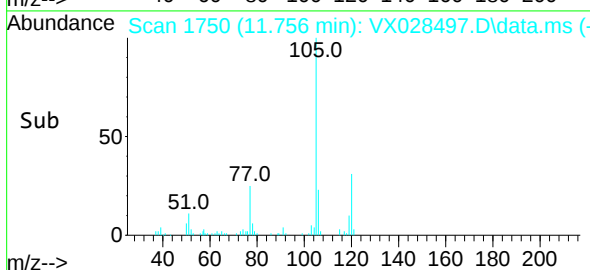
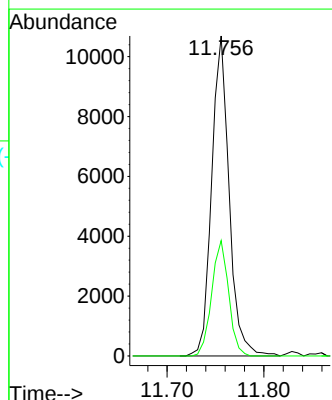
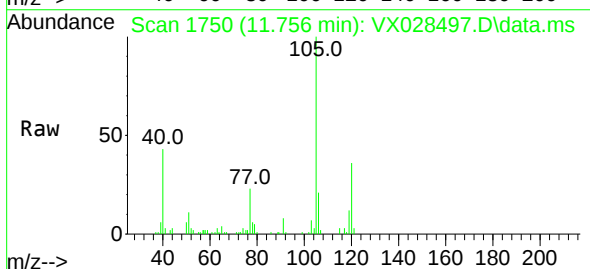
Instrument :
MSVOA_X
ClientSampleId :
30989DL

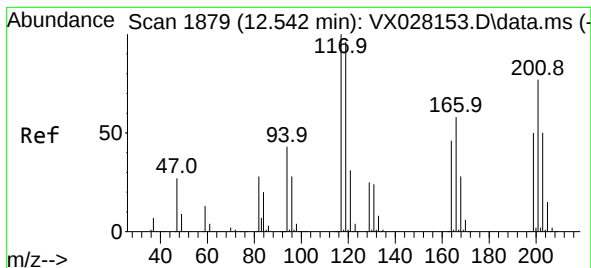
Tgt Ion: 75 Resp: 190304
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.700 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028497.D
Acq: 03 May 2022 13:32

Tgt Ion: 105 Resp: 13395
Ion Ratio Lower Upper
105 100
120 34.9 22.6 67.8





#90

Hexachloroethane

Concen: 6.769 ug/l

RT: 12.719 min Scan# 1908

Delta R.T. 0.177 min

Lab File: VX028497.D

Acq: 03 May 2022 13:32

Instrument :

MSVOA_X

ClientSampleId :

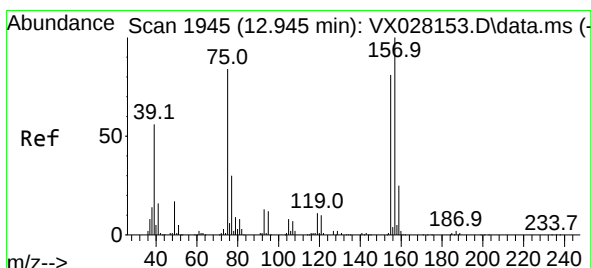
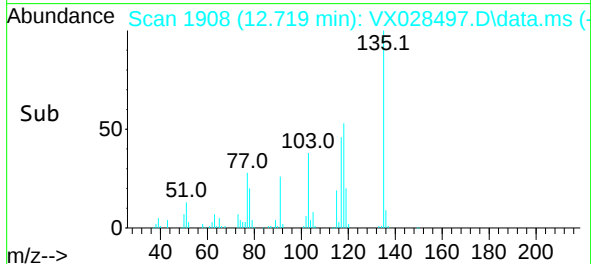
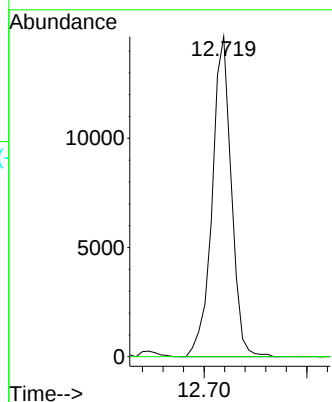
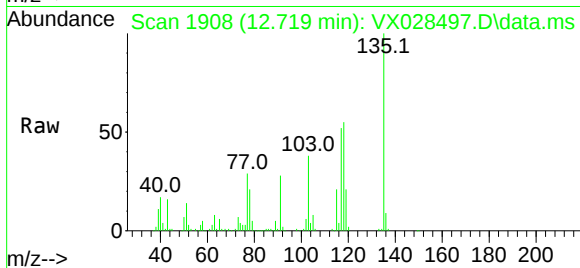
30989DL

Tgt Ion:117 Resp: 18921

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.061 ug/l

RT: 12.957 min Scan# 1947

Delta R.T. 0.012 min

Lab File: VX028497.D

Acq: 03 May 2022 13:32

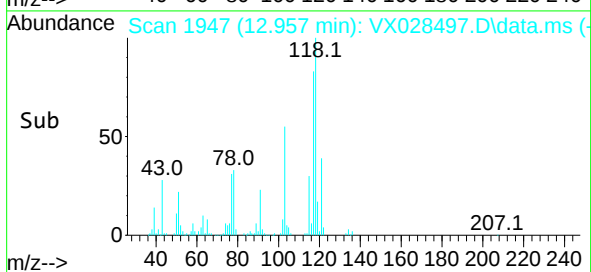
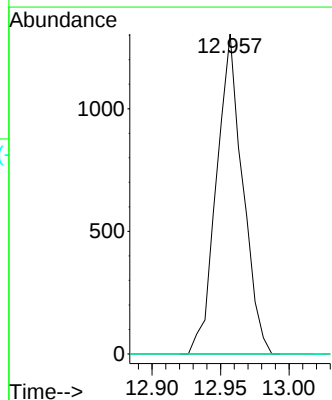
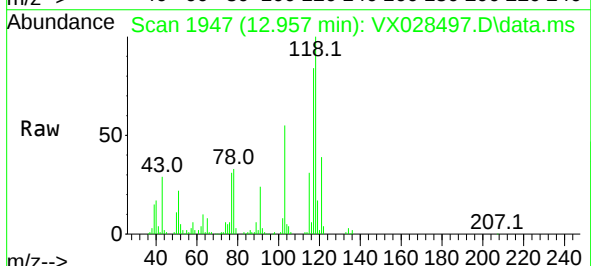
Tgt Ion: 75 Resp: 1736

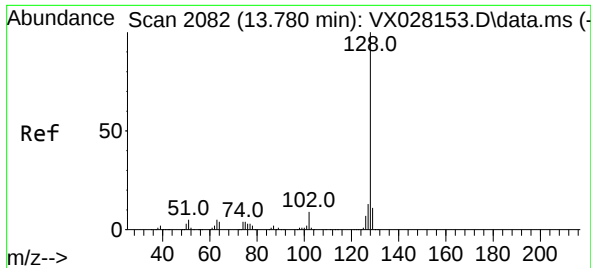
Ion Ratio Lower Upper

75 100

155 0.0 47.0 141.2#

157 0.0 57.9 173.6#





#95

Naphthalene

Concen: 2.045 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX028497.D

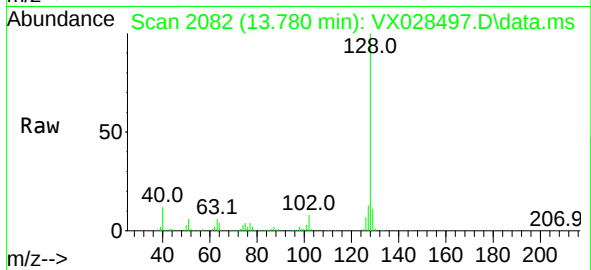
Acq: 03 May 2022 13:32

Instrument :

MSVOA_X

ClientSampleId :

30989DL



Tgt Ion:128 Resp: 44643

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.6 8.7 13.1

