

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028711.D
 Acq On : 14 May 2022 04:54
 Operator : JC/MD
 Sample : N2823-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SAS-1

Quant Time: May 16 02:34:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

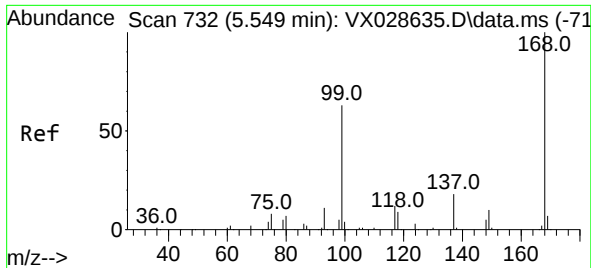
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	237237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	441284	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	437008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	199698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174670	53.712	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.420%			
35) Dibromofluoromethane	5.391	113	145709	50.397	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.800%			
50) Toluene-d8	8.653	98	550237	50.478	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	228229	56.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.120%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	770	Below Cal		95
6) Chloroethane	1.691	64	283	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	5817	0.465	ug/l #	77
16) Acetone	2.380	43	49555	35.506	ug/l	94
18) Methyl Acetate	2.703	43	3943	1.128	ug/l #	88
20) Methylene Chloride	2.788	84	13176	4.500	ug/l #	92
25) 2-Butanone	4.568	43	11427	5.216	ug/l	97
29) Tetrahydrofuran	5.031	42	559	0.393	ug/l #	56
31) Cyclohexane	5.550	56	5779	1.280	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	19668	4.529	ug/l #	50
38) Carbon Tetrachloride	5.556	117	25951	5.938	ug/l #	14
43) Isopropyl Acetate	6.342	43	20547	2.896	ug/l	95
48) Methyl methacrylate	7.598	41	6739	1.966	ug/l #	7
49) 1,4-Dioxane	7.799	88	171	1.997	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76693	16.408	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	35893	7.389	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	21697	3.929	ug/l #	43
59) 2-Hexanone	9.482	43	274794	75.672	ug/l #	44
74) N-amyl acetate	10.774	43	2372	0.398	ug/l #	41
76) 1,2,3-Trichloropropane	11.079	75	123725	26.455	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	123725	76.684	ug/l #	15

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

Quant Time: May 16 02:34:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

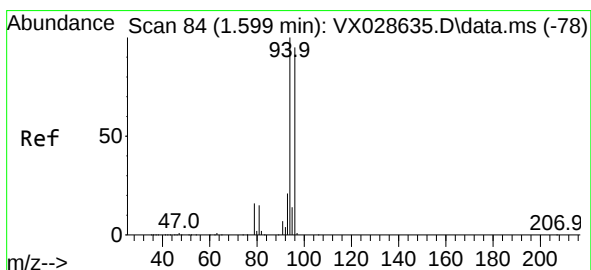
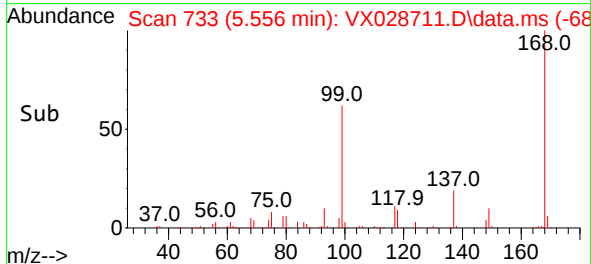
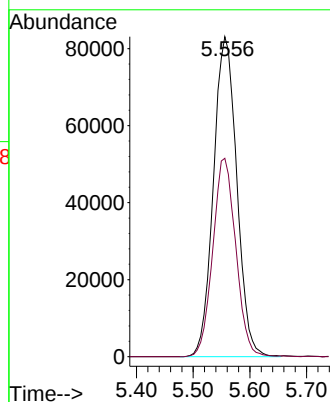
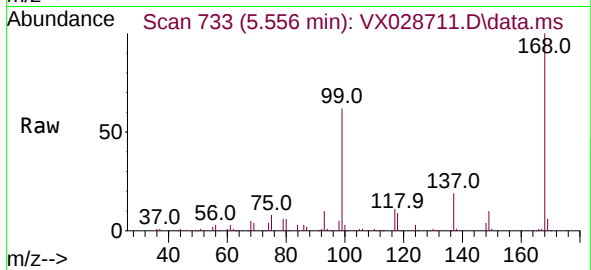




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

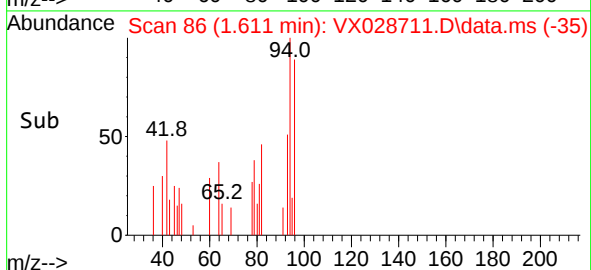
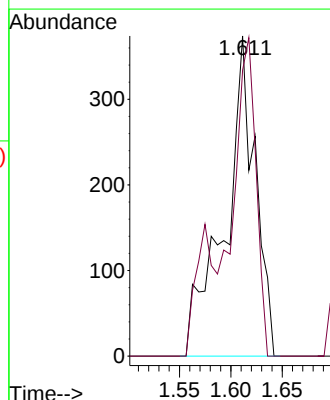
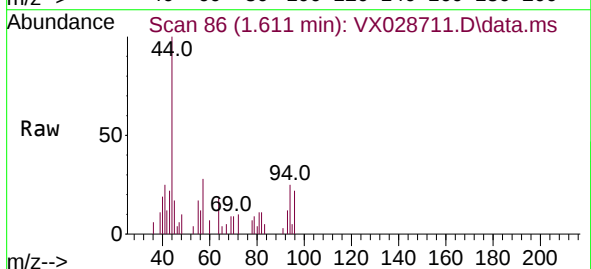
Instrument :
MSVOA_X
ClientSampleId :
SAS-1

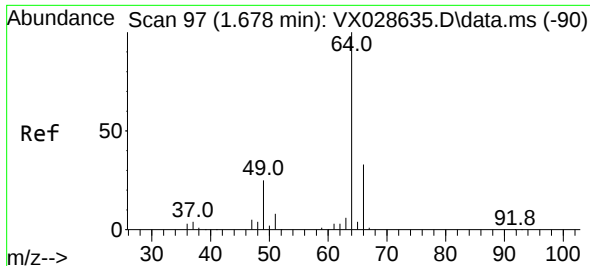
Tgt Ion:168 Resp: 237237
Ion Ratio Lower Upper
168 100
99 62.0 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

Tgt Ion: 94 Resp: 770
Ion Ratio Lower Upper
94 100
96 89.3 75.3 112.9

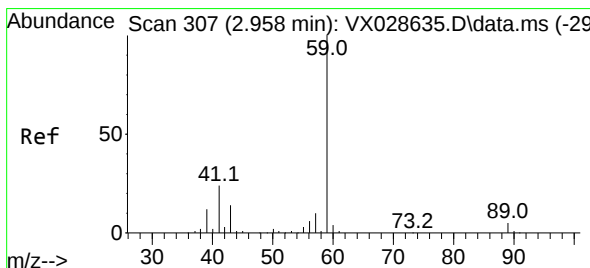
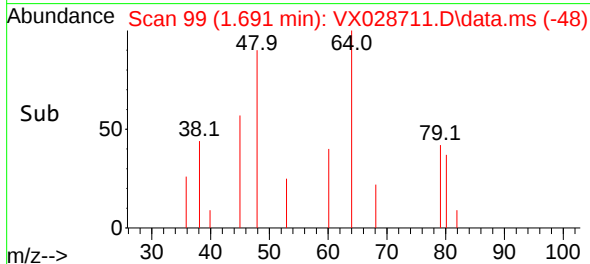
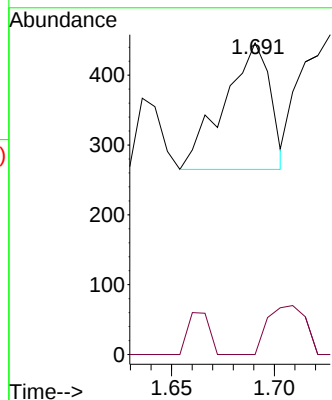
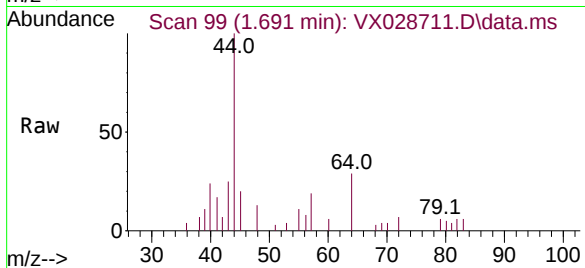




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

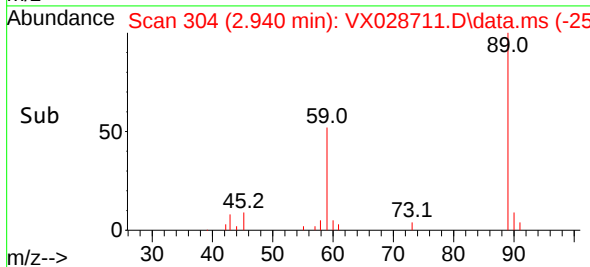
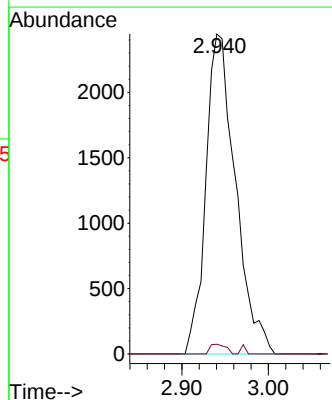
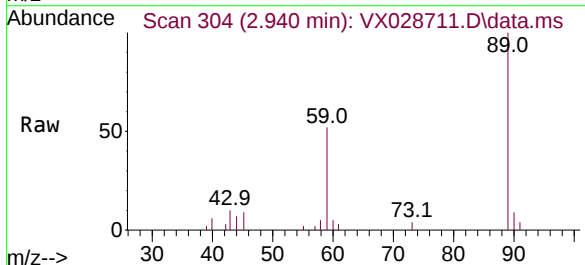
Instrument :
MSVOA_X
ClientSampleId :
SAS-1

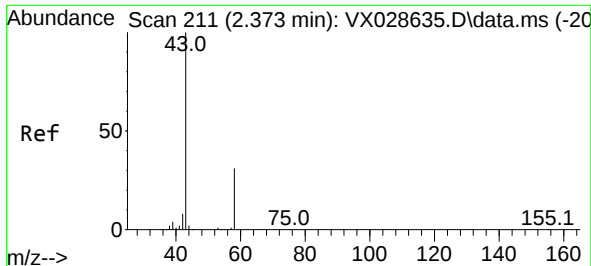
Tgt Ion: 64 Resp: 283
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 0.465 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

Tgt Ion: 59 Resp: 5817
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#

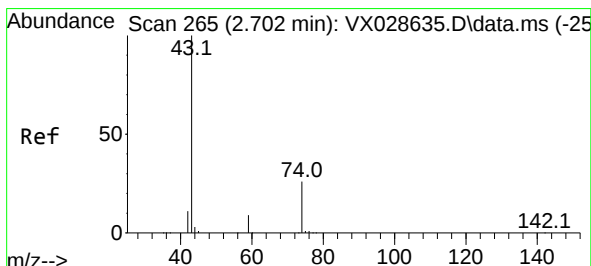
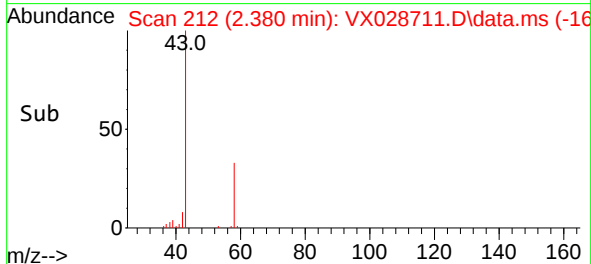
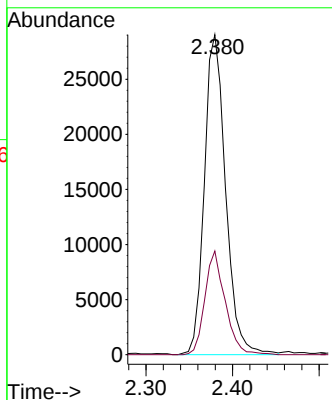
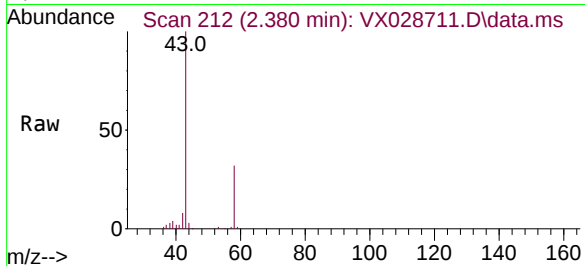




#16
Acetone
Concen: 35.506 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

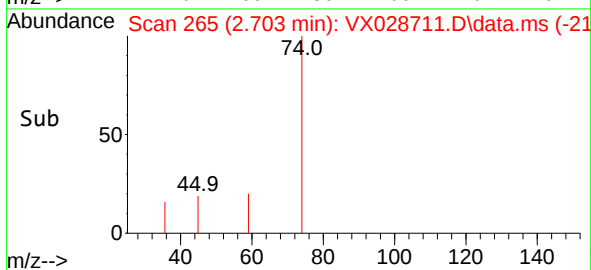
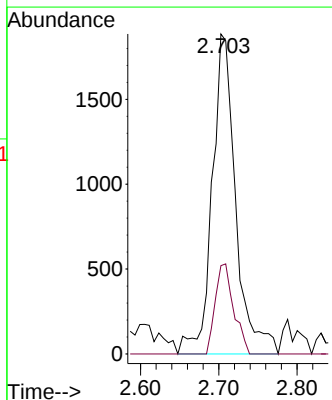
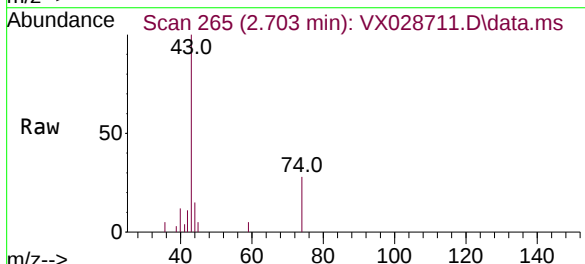
Instrument :
MSVOA_X
ClientSampleId :
SAS-1

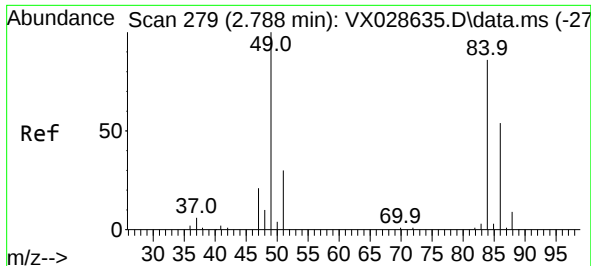
Tgt Ion: 43 Resp: 49555
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2



#18
Methyl Acetate
Concen: 1.128 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

Tgt Ion: 43 Resp: 3943
Ion Ratio Lower Upper
43 100
74 22.0 22.8 34.2#





#20

Methylene Chloride

Concen: 4.500 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

Instrument :

MSVOA_X

ClientSampleId :

SAS-1

Tgt Ion: 84 Resp: 13176

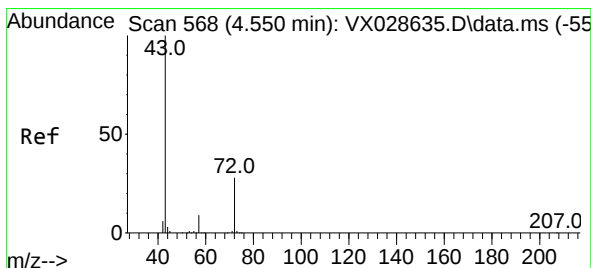
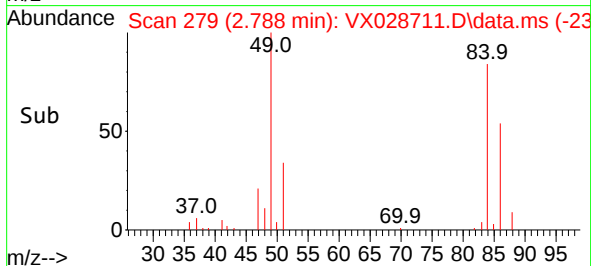
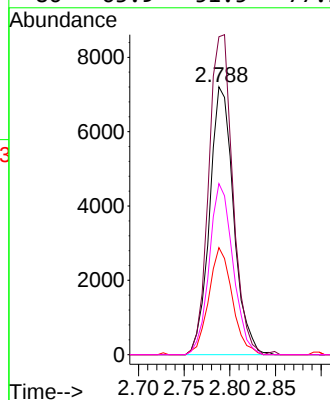
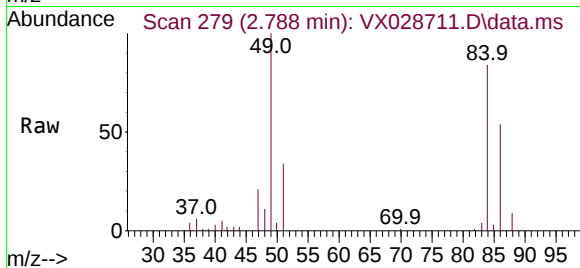
Ion Ratio Lower Upper

84 100

49 118.7 85.5 128.3

51 40.0 26.6 39.8#

86 63.9 51.5 77.3



#25

2-Butanone

Concen: 5.216 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX028711.D

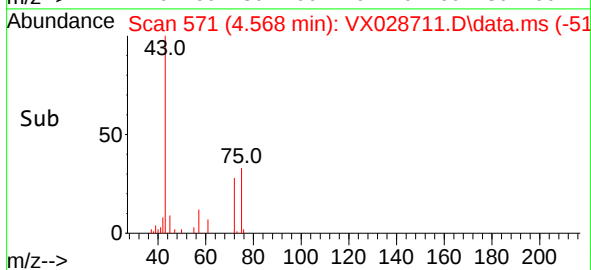
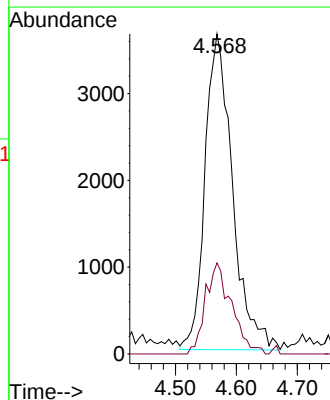
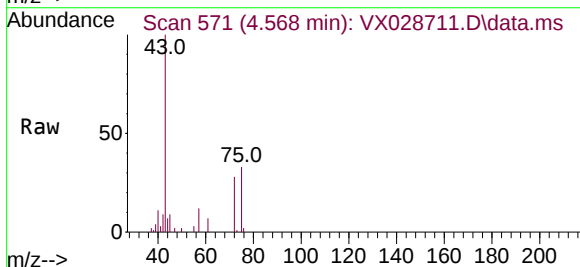
Acq: 14 May 2022 04:54

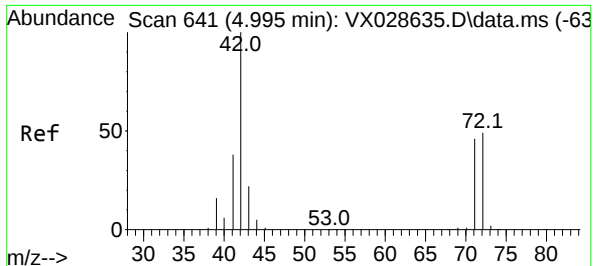
Tgt Ion: 43 Resp: 11427

Ion Ratio Lower Upper

43 100

72 28.8 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.393 ug/l

RT: 5.031 min Scan# 641

Delta R.T. 0.036 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

Instrument :

MSVOA_X

ClientSampleId :

SAS-1

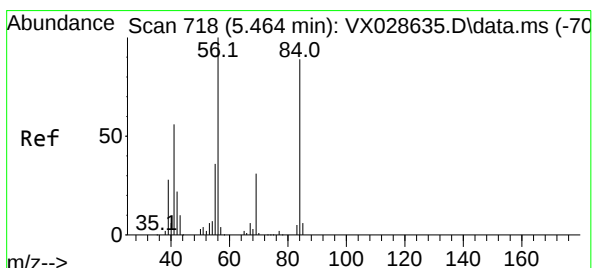
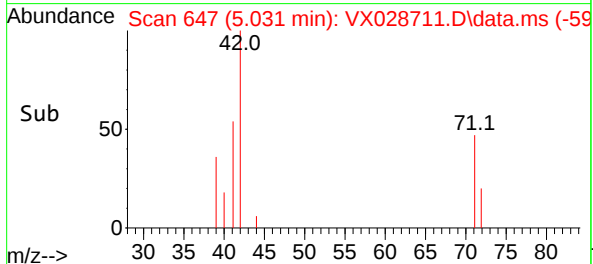
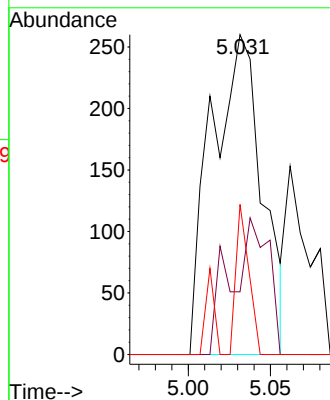
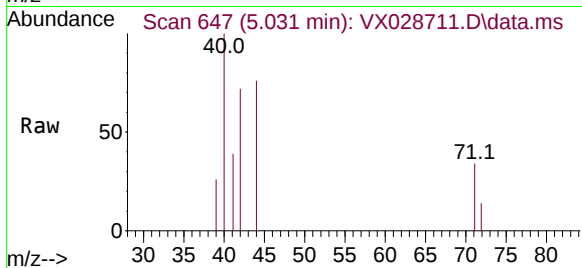
Tgt Ion: 42 Resp: 559

Ion Ratio Lower Upper

42 100

72 31.5 44.1 66.1#

71 12.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.280 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

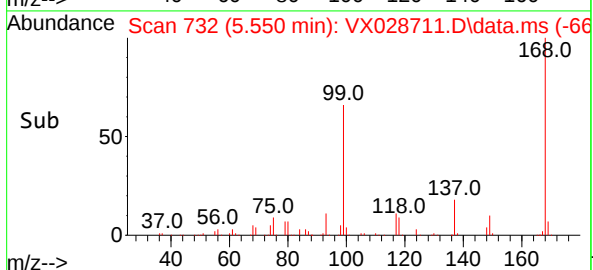
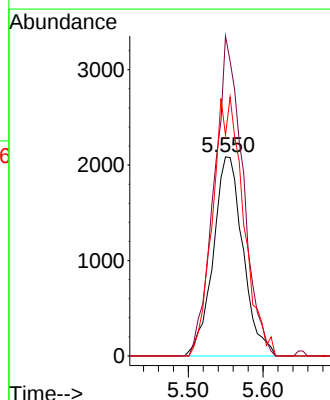
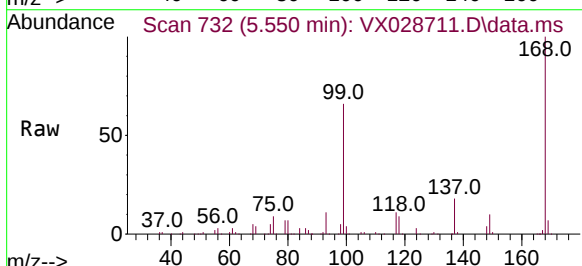
Tgt Ion: 56 Resp: 5779

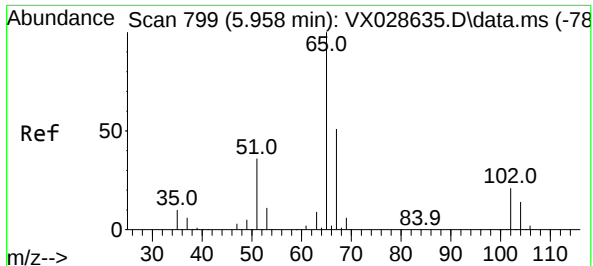
Ion Ratio Lower Upper

56 100

69 160.8 26.7 40.1#

84 110.8 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 53.712 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

Instrument :

MSVOA_X

ClientSampleId :

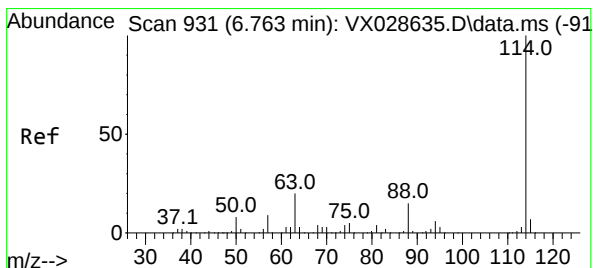
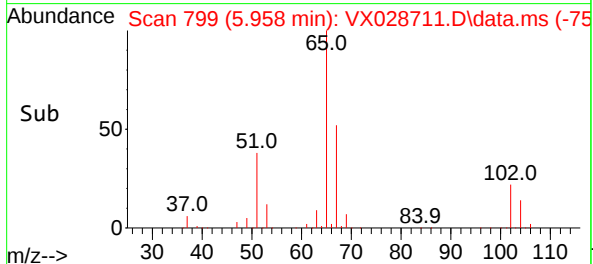
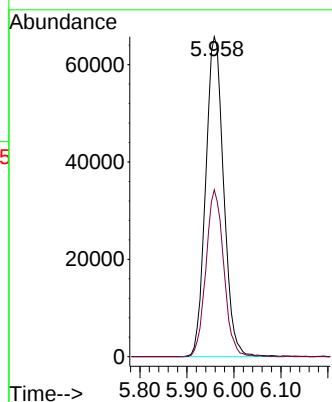
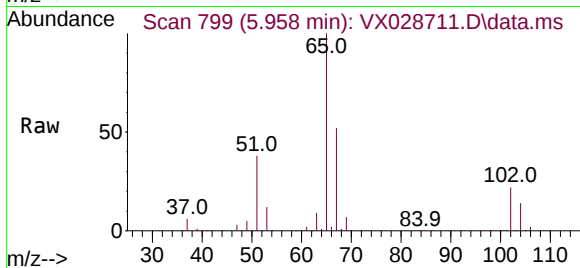
SAS-1

Tgt Ion: 65 Resp: 174670

Ion Ratio Lower Upper

65 100

67 51.6 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: VX028711.D

Acq: 14 May 2022 04:54

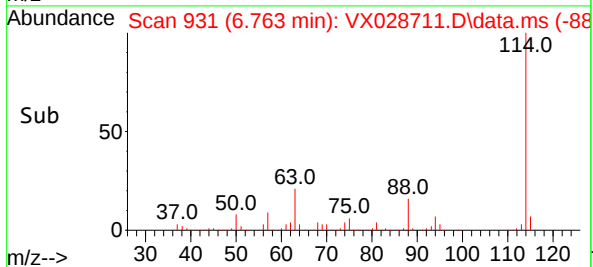
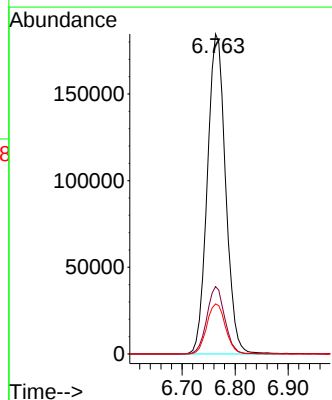
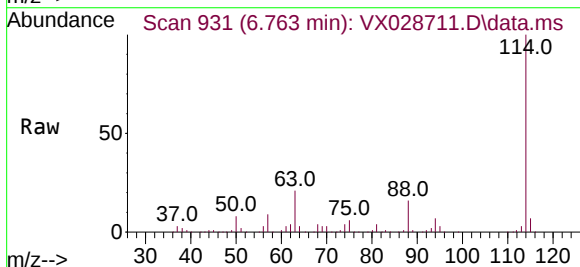
Tgt Ion: 114 Resp: 441284

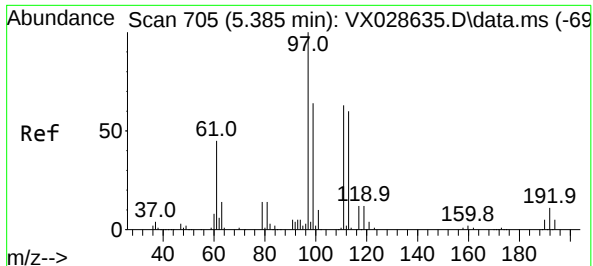
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.8

88 15.7 0.0 32.4

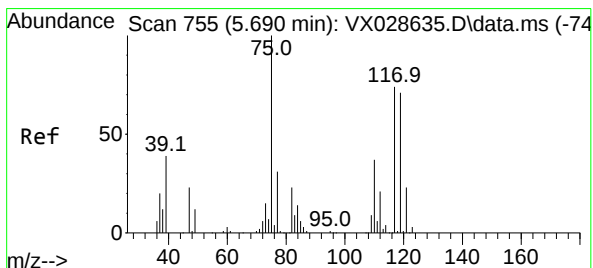
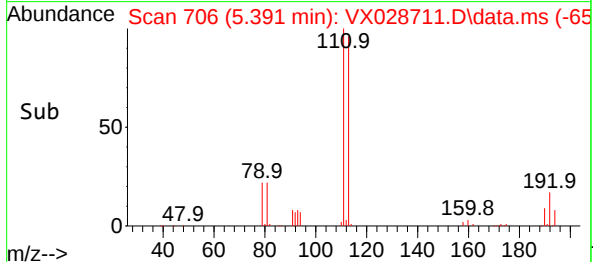
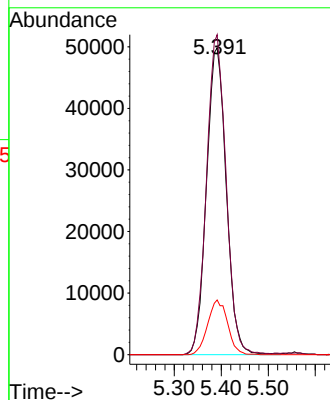
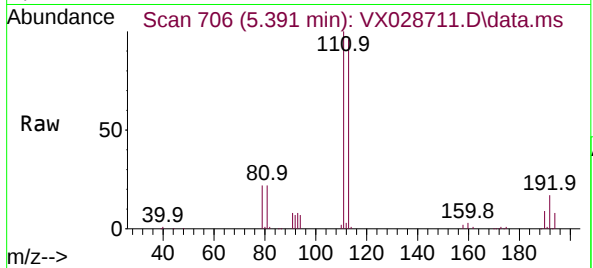




#35
Dibromofluoromethane
Concen: 50.397 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

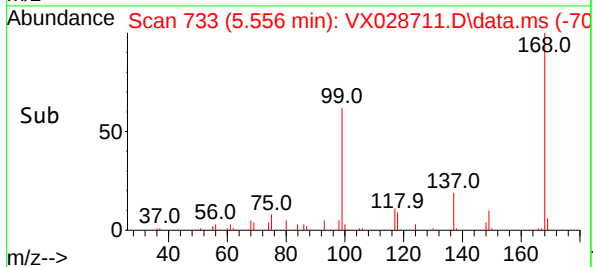
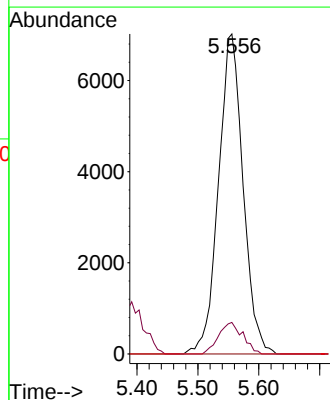
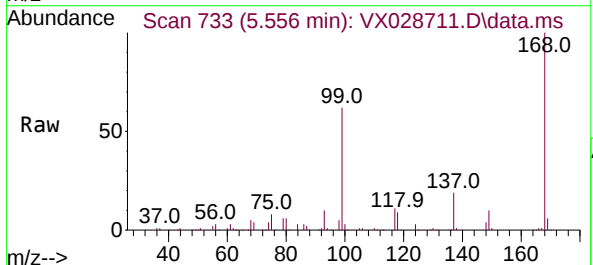
Instrument :
MSVOA_X
ClientSampleId :
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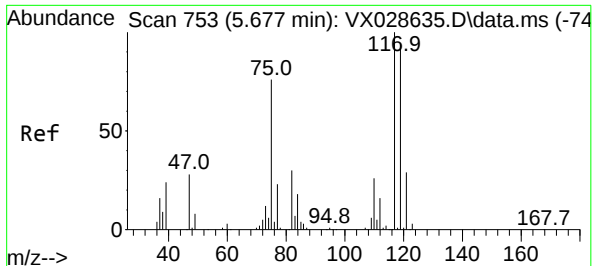
Tgt Ion:113 Resp: 145709
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 17.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

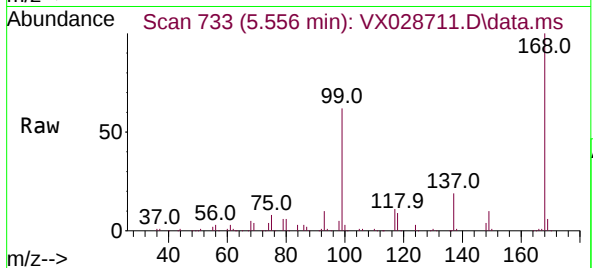
Tgt Ion: 75 Resp: 19668
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



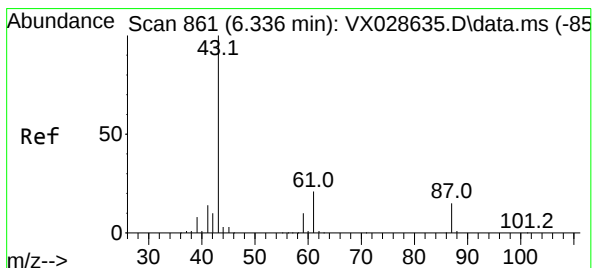
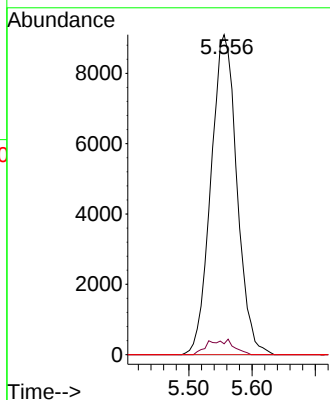
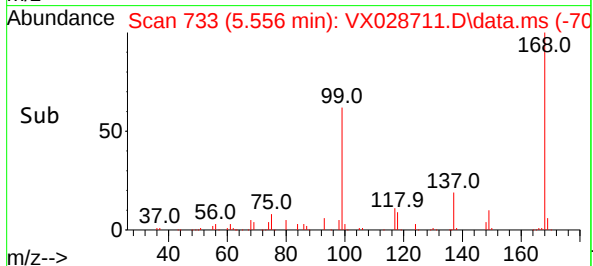


#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

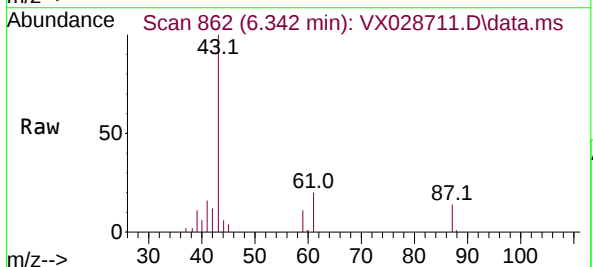
Instrument :
MSVOA_X
ClientSampleId :
SAS-1



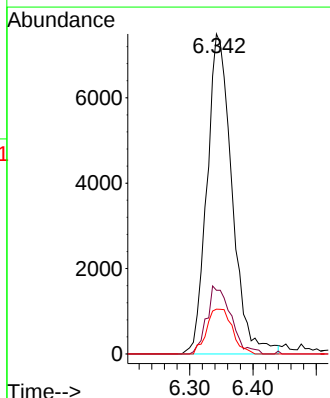
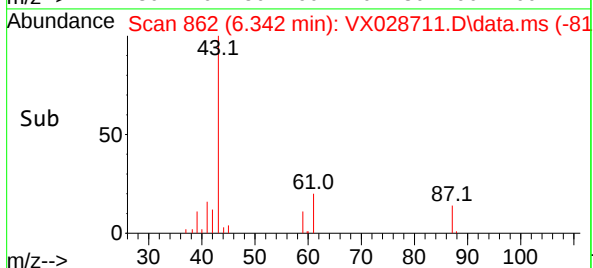
Tgt Ion:117 Resp: 25951
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 24.2 36.2#

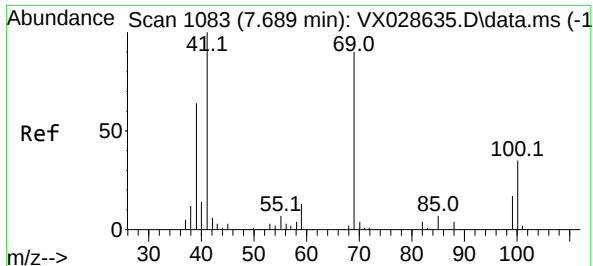


#43
Isopropyl Acetate
Concen: 2.896 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54



Tgt Ion: 43 Resp: 20547
Ion Ratio Lower Upper
43 100
61 20.5 18.5 27.7
87 14.3 13.0 19.6

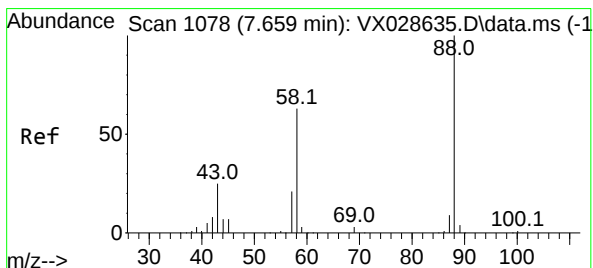
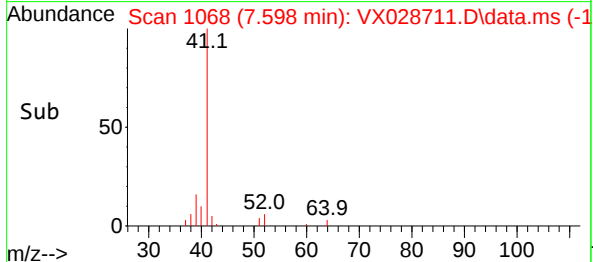
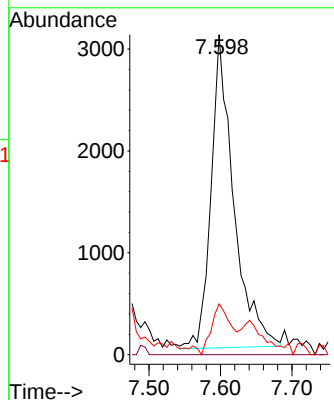
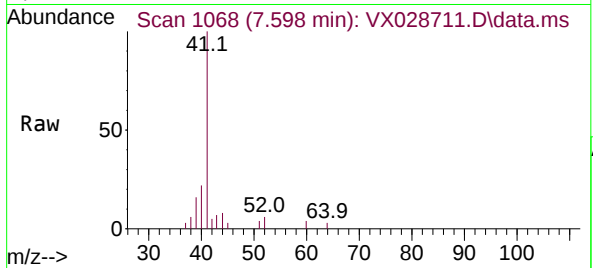




#48
Methyl methacrylate
Concen: 1.966 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.091 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

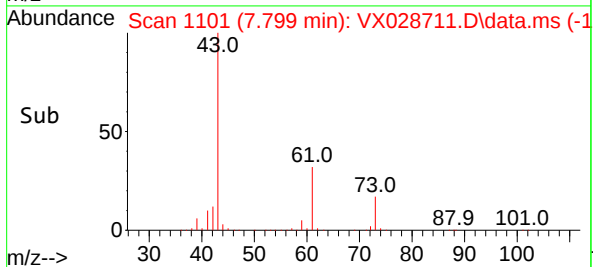
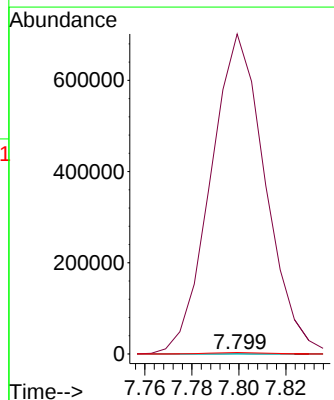
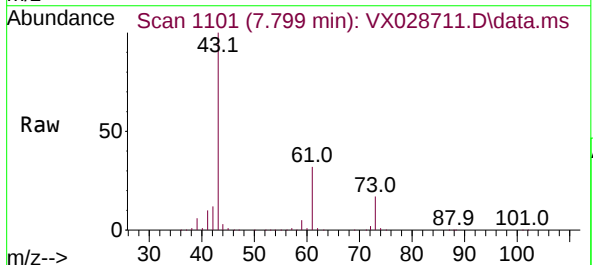
Instrument :
MSVOA_X
ClientSampleId :
SAS-1

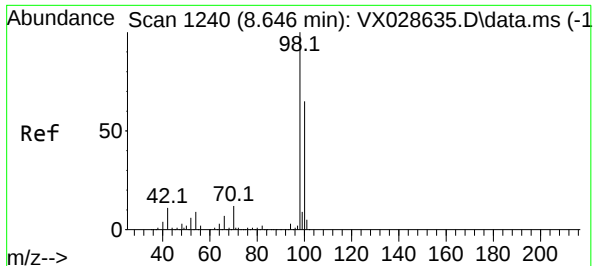
Tgt Ion: 41 Resp: 6739
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.997 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 673255.6 21.9 32.9#
58 3107.6 53.7 80.5#

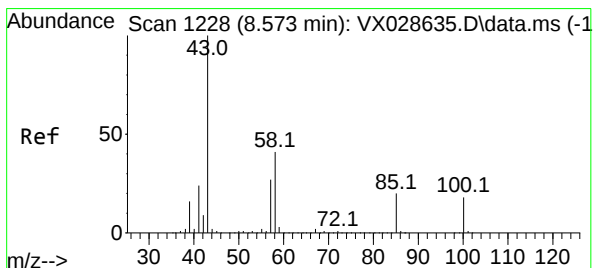
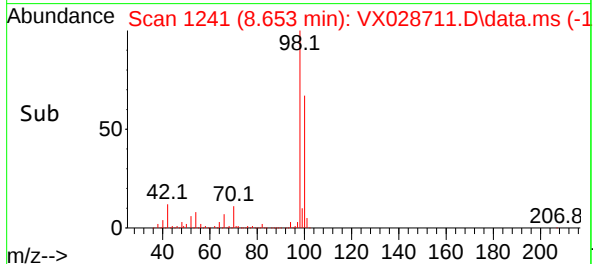
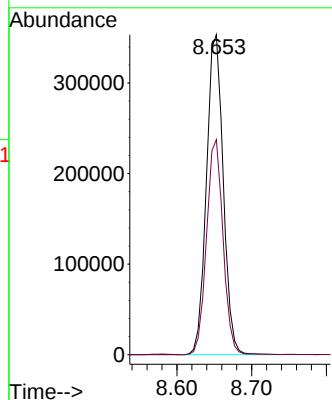
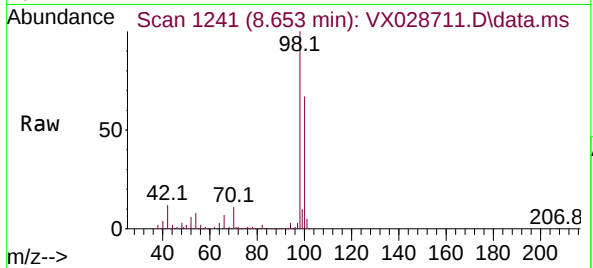




#50
Toluene-d8
Concen: 50.478 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

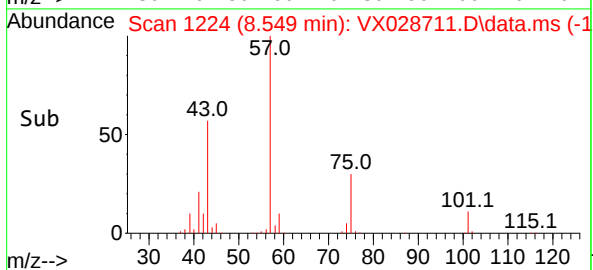
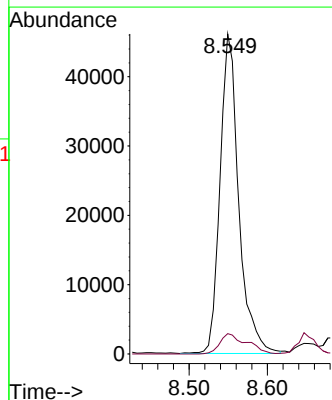
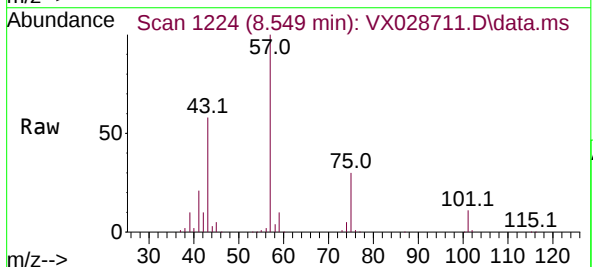
Instrument :
MSVOA_X
ClientSampleId :
SAS-1

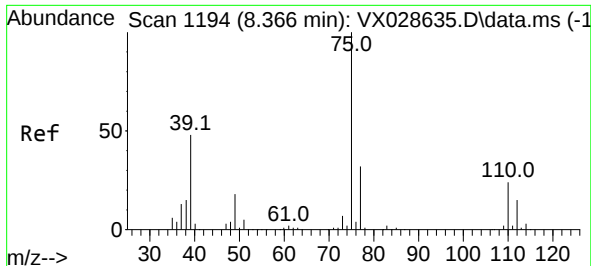
Tgt Ion: 98 Resp: 550237
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.408 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

Tgt Ion: 43 Resp: 76693
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#

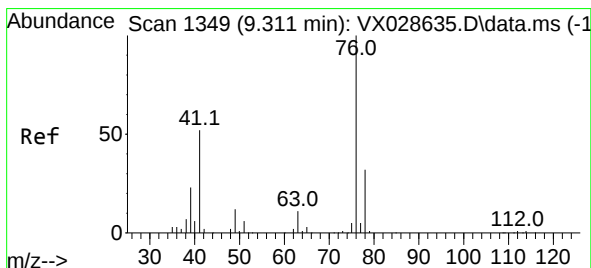
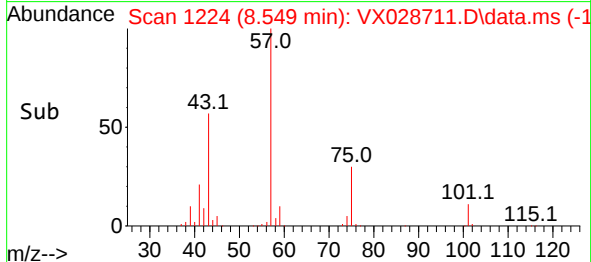
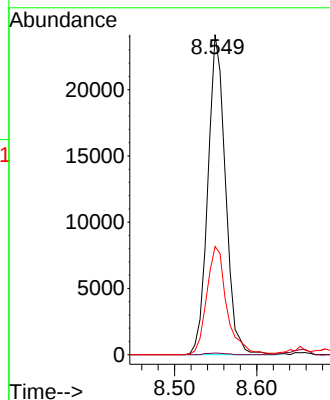
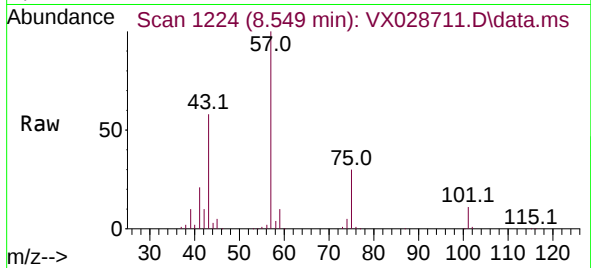




#54
 cis-1,3-Dichloropropene
 Concen: 7.389 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028711.D
 Acq: 14 May 2022 04:54

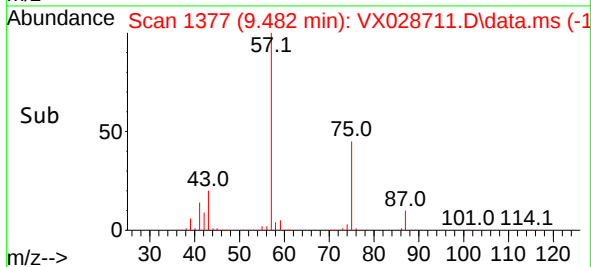
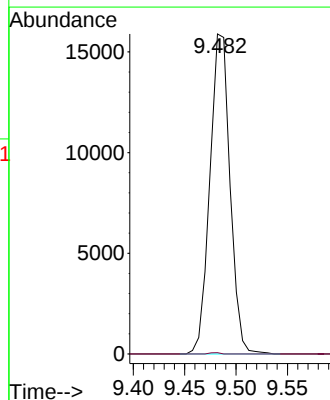
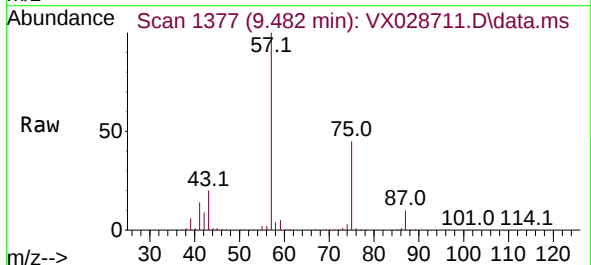
Instrument :
 MSVOA_X
 ClientSampleId :
 SAS-1

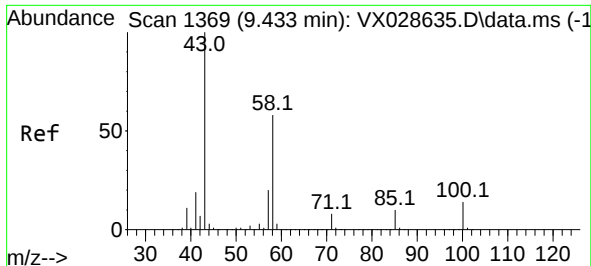
Tgt Ion: 75 Resp: 35893
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 33.8 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 3.929 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028711.D
 Acq: 14 May 2022 04:54

Tgt Ion: 76 Resp: 21697
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.8#





#59

2-Hexanone

Concen: 75.672 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

Instrument :

MSVOA_X

ClientSampleId :

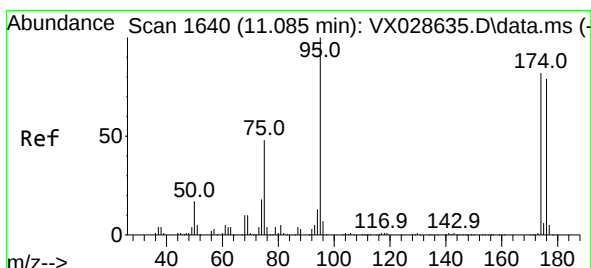
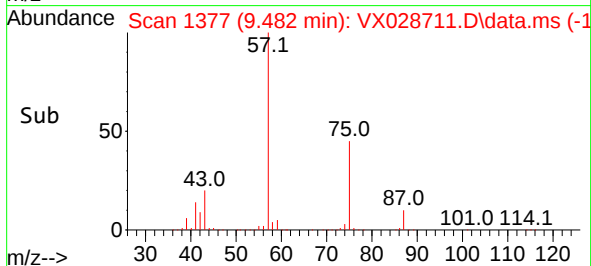
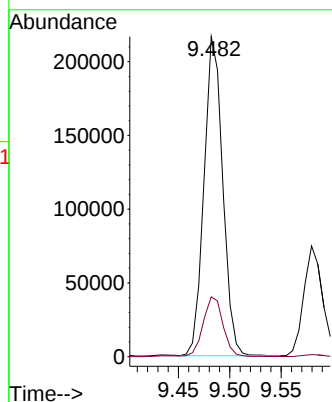
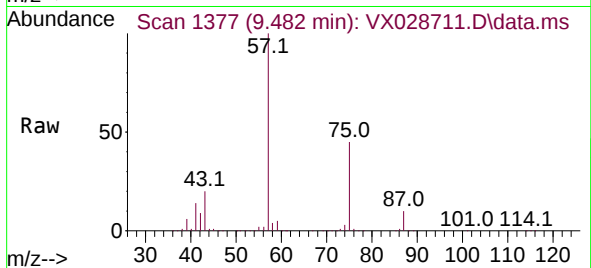
SAS-1

Tgt Ion: 43 Resp: 274794

Ion Ratio Lower Upper

43 100

58 20.3 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 56.057 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

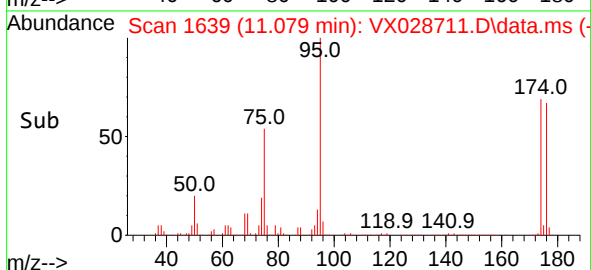
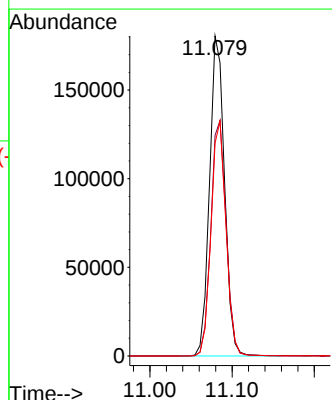
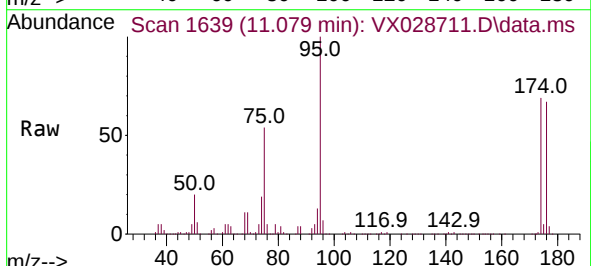
Tgt Ion: 95 Resp: 228229

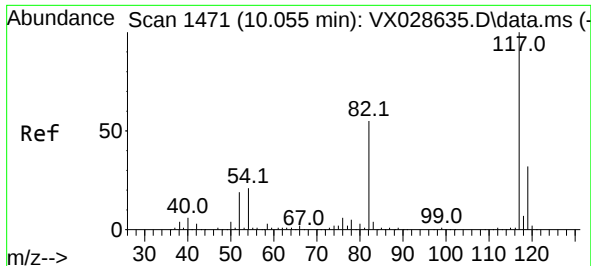
Ion Ratio Lower Upper

95 100

174 75.1 0.0 163.0

176 73.3 0.0 155.0

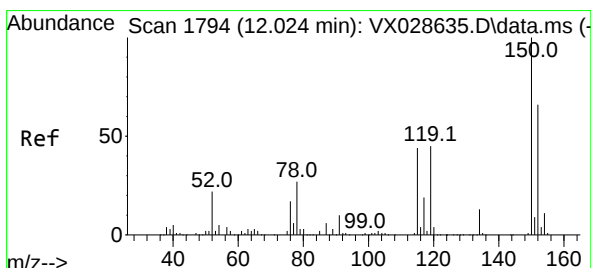
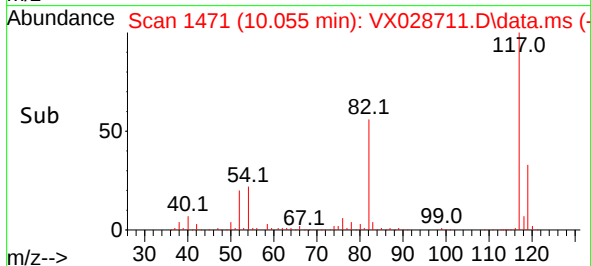
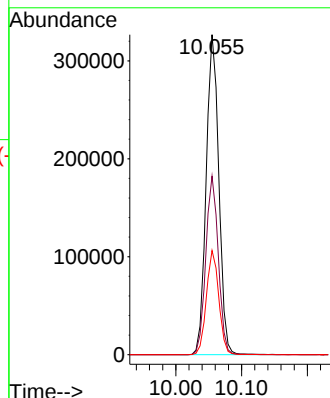
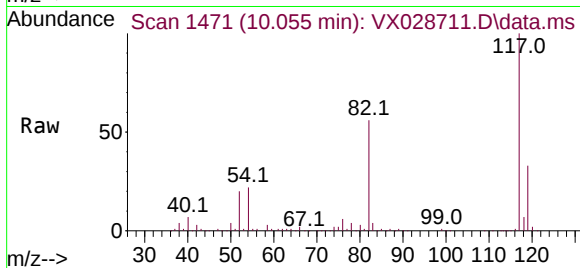




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

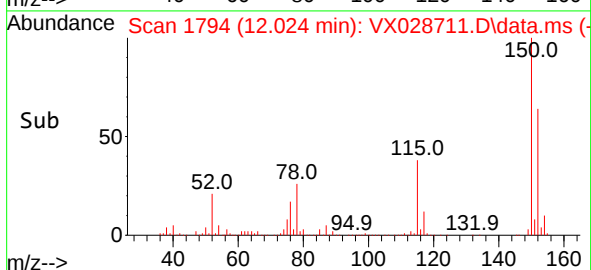
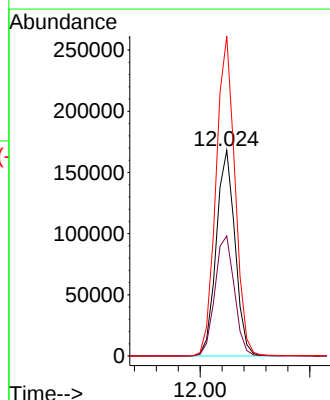
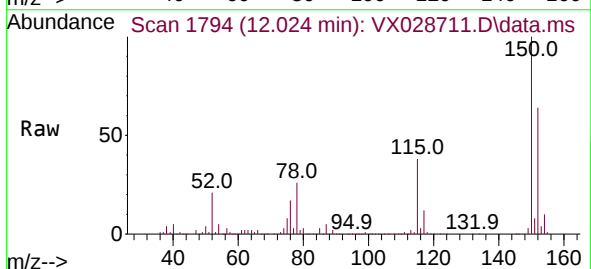
Instrument :
MSVOA_X
ClientSampleId :
SAS-1

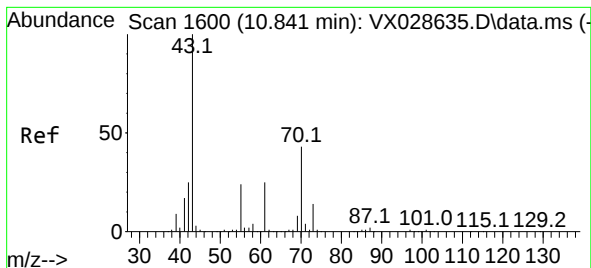
Tgt Ion:117 Resp: 437008
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028711.D
Acq: 14 May 2022 04:54

Tgt Ion:152 Resp: 199698
Ion Ratio Lower Upper
152 100
115 60.7 37.5 112.7
150 157.7 0.0 338.2





#74

N-amy1 acetate

Concen: 0.398 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX028711.D

Acq: 14 May 2022 04:54

Instrument :

MSVOA_X

ClientSampleId :

SAS-1

Tgt Ion: 43 Resp: 2372

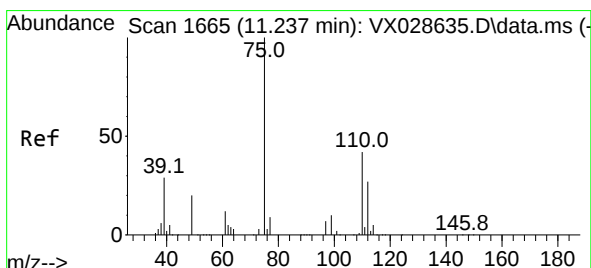
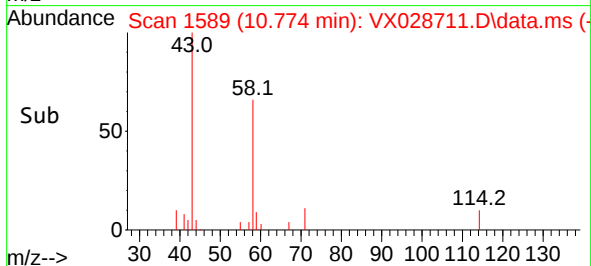
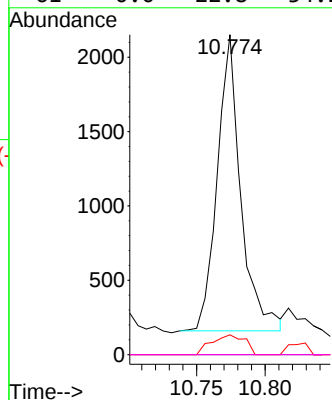
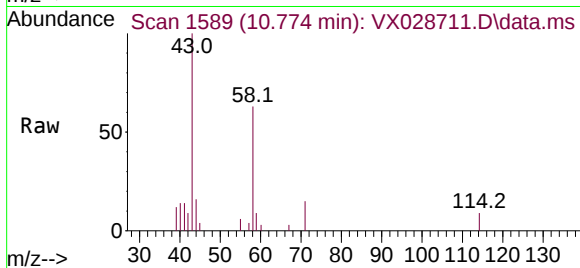
Ion Ratio Lower Upper

43 100

70 0.0 42.5 63.7#

55 9.4 23.1 34.7#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.455 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX028711.D

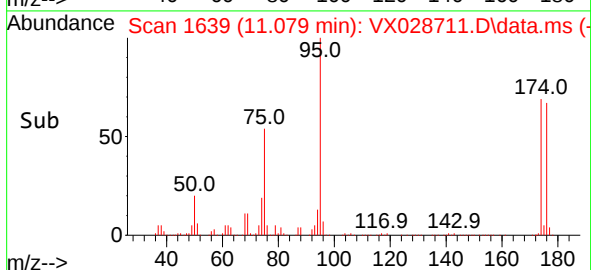
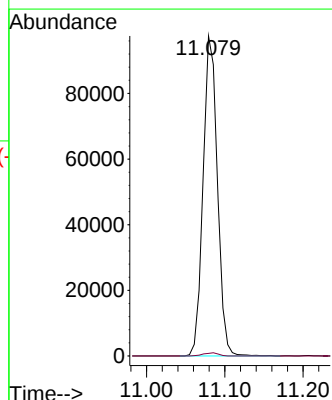
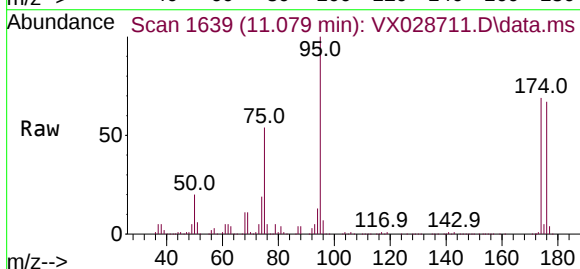
Acq: 14 May 2022 04:54

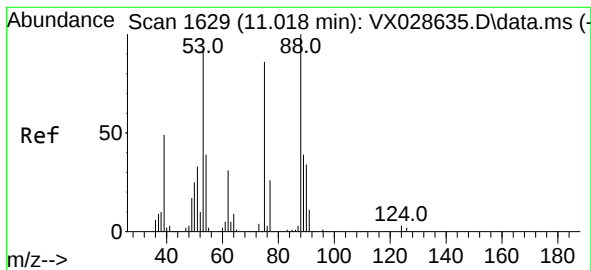
Tgt Ion: 75 Resp: 123725

Ion Ratio Lower Upper

75 100

77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.684 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028711.D
 Acq: 14 May 2022 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SAS-1

Tgt Ion: 75 Resp: 123725
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

