

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052422\
 Data File : VX028925.D
 Acq On : 24 May 2022 16:42
 Operator : JC/MD
 Sample : N2970-08DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-10-20220519DL

Quant Time: May 25 01:49:50 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)

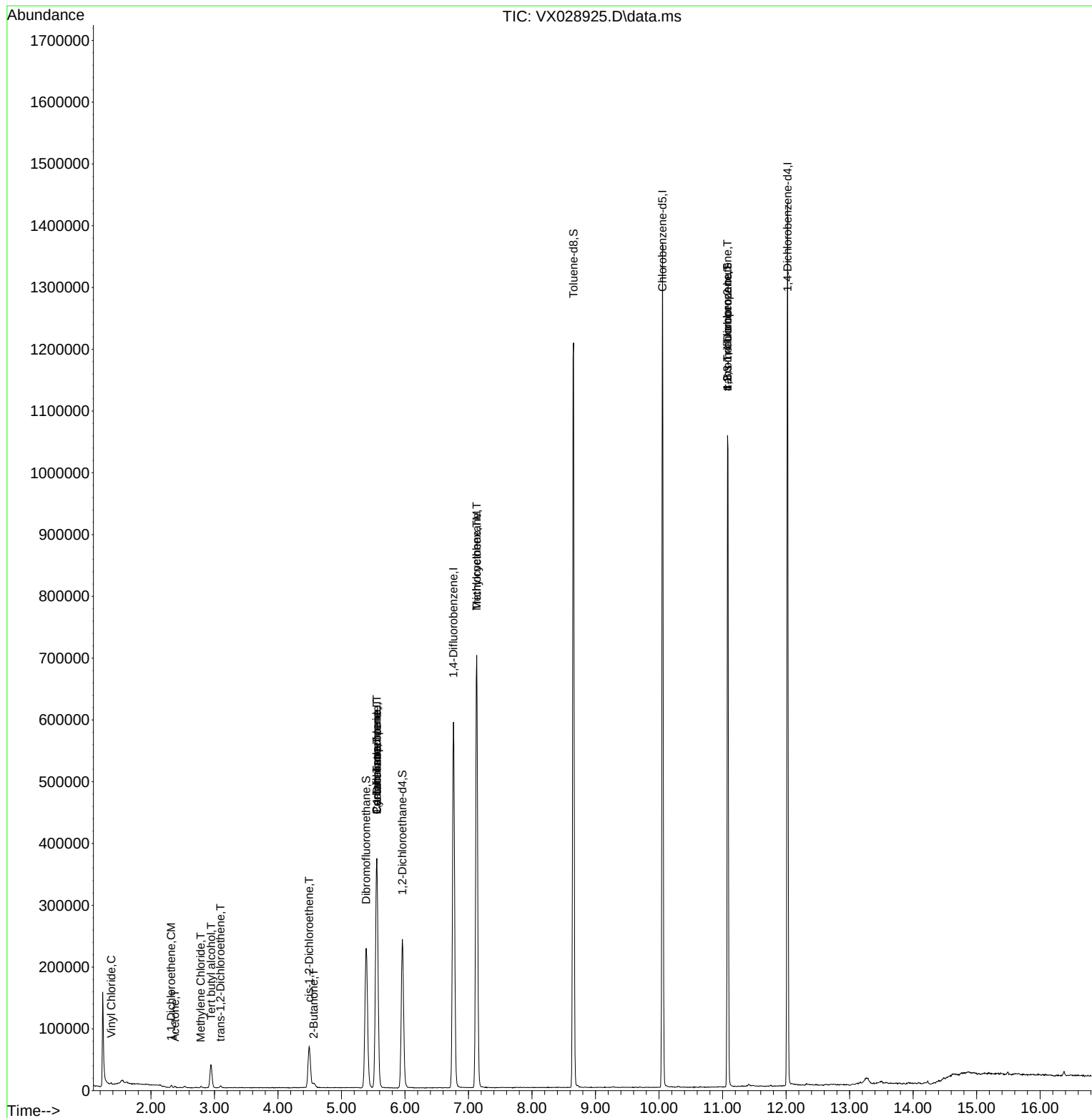
Internal Standards						
1) Pentafluorobenzene	5.556	168	347810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	617121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	598225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	236579	49.622	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.240%
35) Dibromofluoromethane	5.385	113	201322	49.792	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.580%
50) Toluene-d8	8.653	98	737456	48.377	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.760%
62) 4-Bromofluorobenzene	11.079	95	298142	52.363	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.720%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	1385	0.300	ug/l #	80
5) Bromomethane	1.624	94	1075	Below Cal		86
6) Chloroethane	1.752	64	469	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	22135	14.356	ug/l #	77
12) 1,1-Dichloroethene	2.319	96	1385	0.385	ug/l	85
16) Acetone	2.380	43	2100	1.026	ug/l	90
20) Methylene Chloride	2.782	84	1148	0.267	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	1337	0.330	ug/l #	68
25) 2-Butanone	4.562	43	738	0.230	ug/l #	44
27) cis-1,2-Dichloroethene	4.489	96	44092	9.311	ug/l	90
31) Cyclohexane	5.556	56	6735	1.018	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	27266	4.490	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36504	5.973	ug/l #	16
39) Methylcyclohexane	7.129	83	3413	0.490	ug/l #	1
44) Trichloroethene	7.129	130	278995	58.940	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	148378	22.056	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	148378	64.576	ug/l #	15

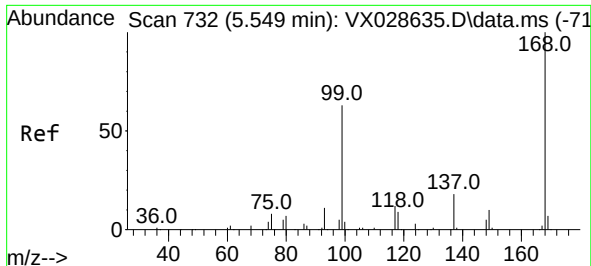
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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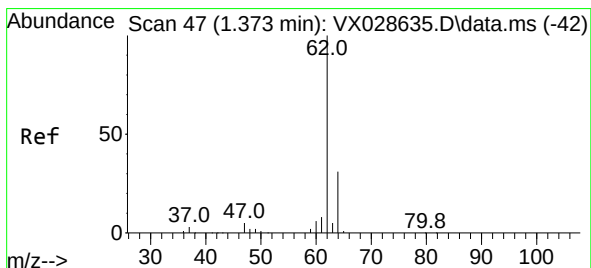
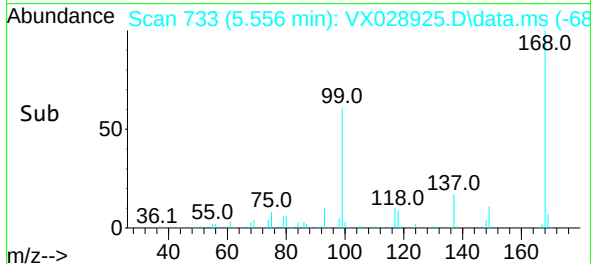
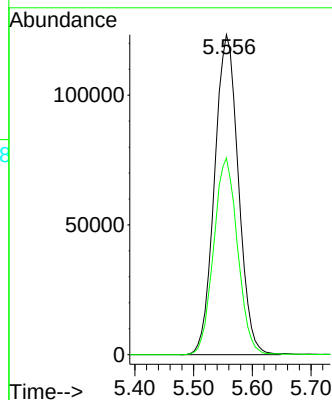
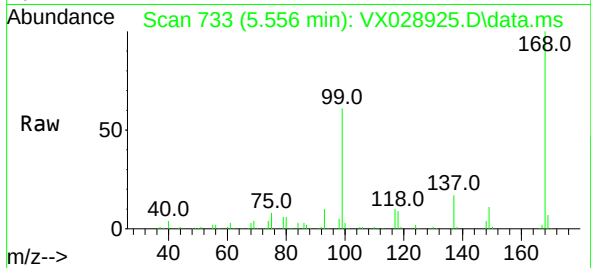




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

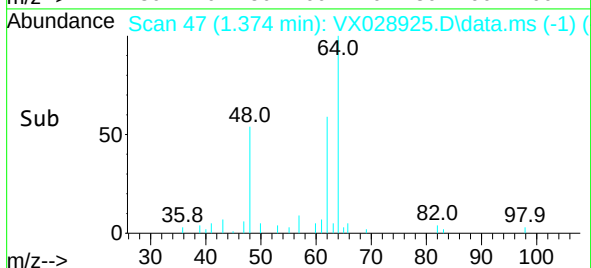
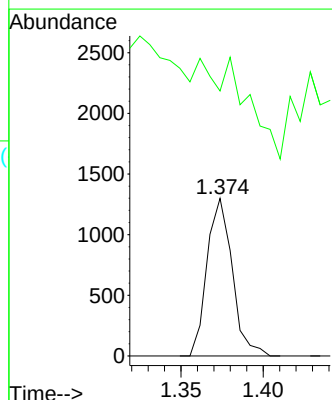
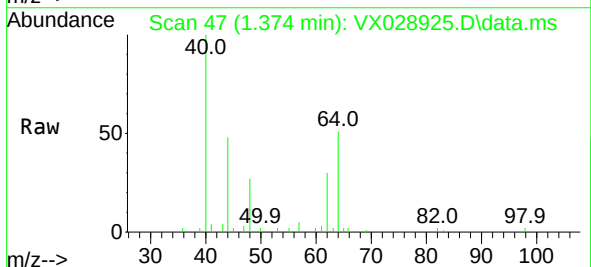
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519DL

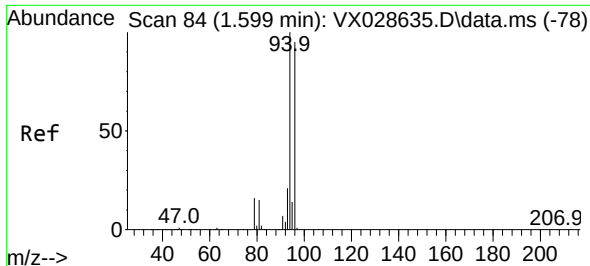
Tgt Ion:168 Resp: 347810
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#4
Vinyl Chloride
Concen: 0.300 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 62 Resp: 1385
Ion Ratio Lower Upper
62 100
64 43.2 25.5 38.3#

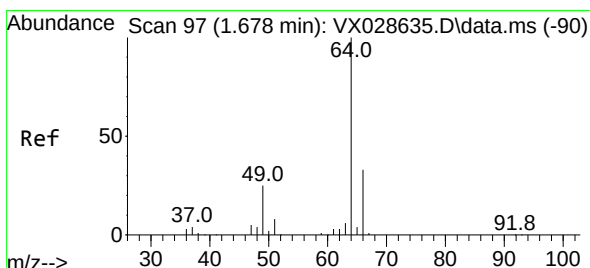
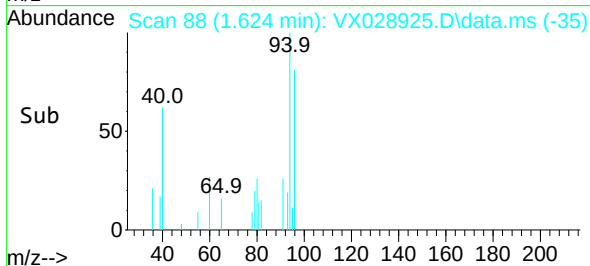
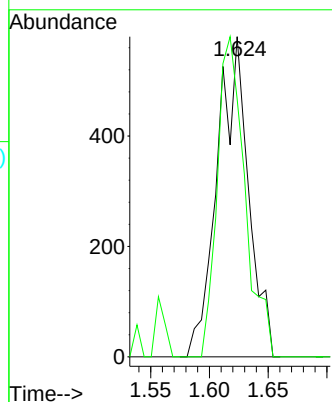
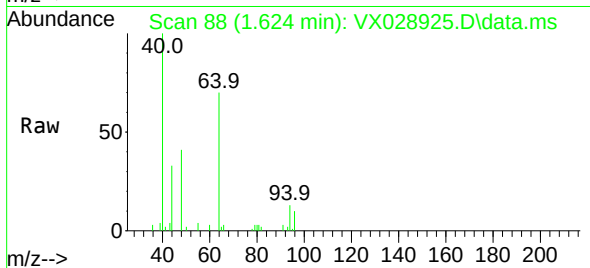




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 84
Delta R.T. 0.025 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

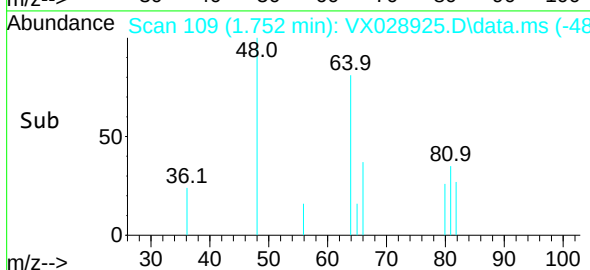
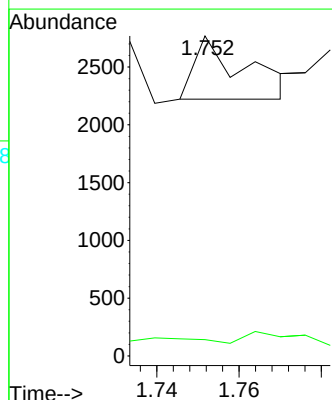
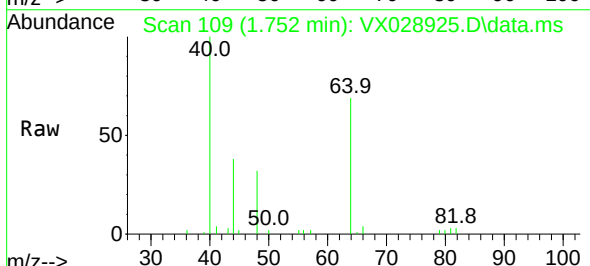
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519DL

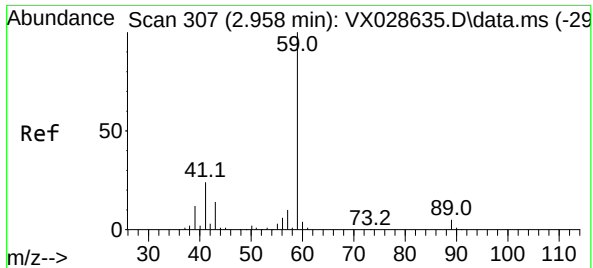
Tgt Ion: 94 Resp: 1075
Ion Ratio Lower Upper
94 100
96 80.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.752 min Scan# 109
Delta R.T. 0.074 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 64 Resp: 469
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

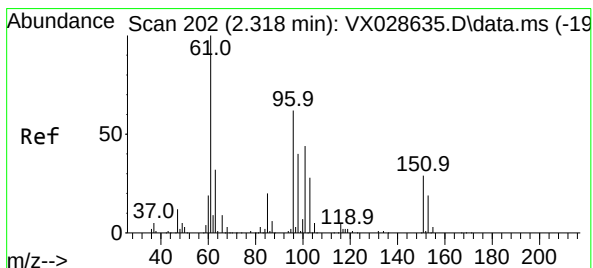
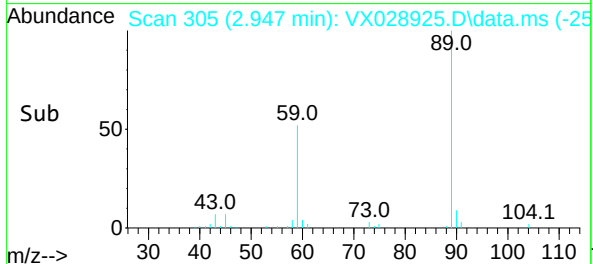
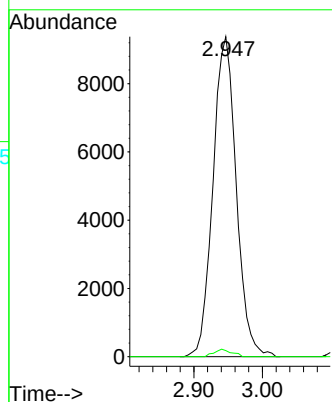
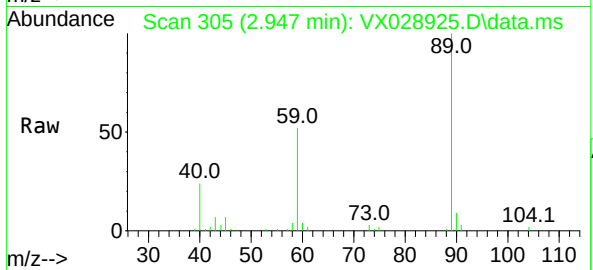




#11
Tert butyl alcohol
Concen: 14.356 ug/l
RT: 2.947 min Scan# 307
Delta R.T. -0.011 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

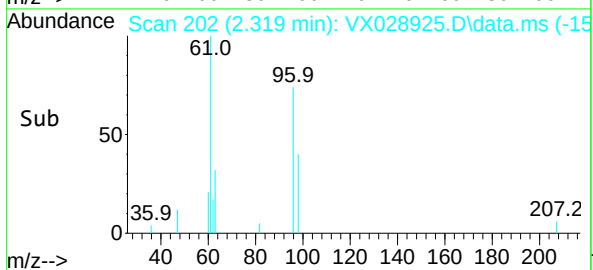
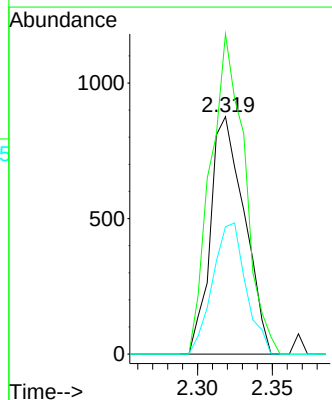
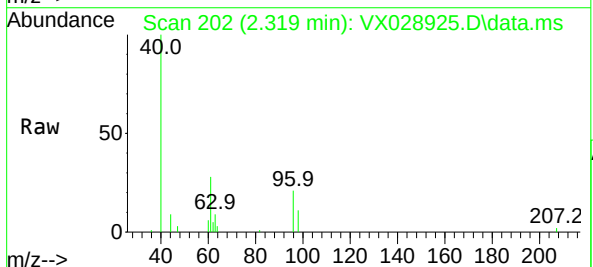
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519DL

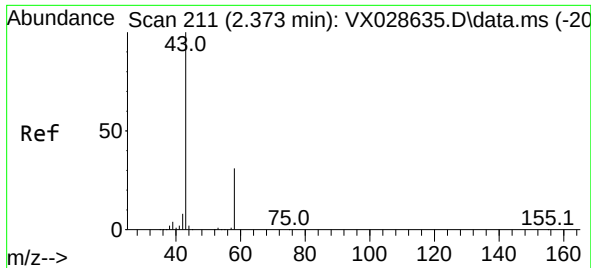
Tgt Ion: 59 Resp: 22135
Ion Ratio Lower Upper
59 100
57 1.8 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.385 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 96 Resp: 1385
Ion Ratio Lower Upper
96 100
61 134.8 124.6 187.0
98 53.7 51.0 76.4

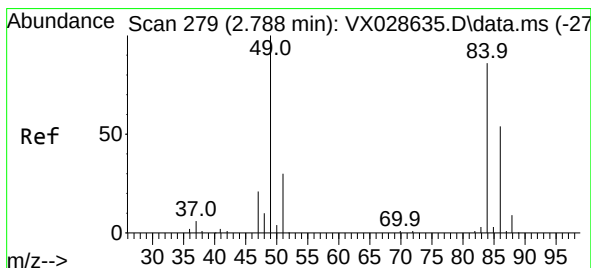
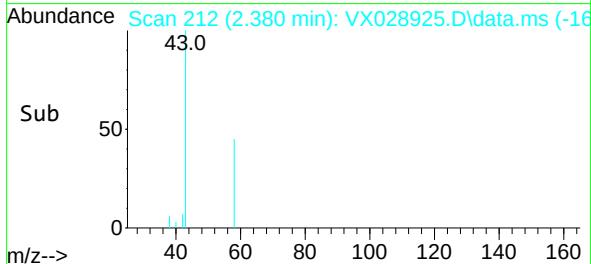
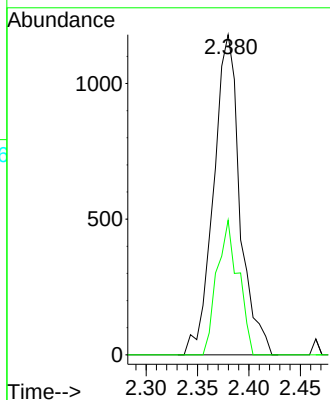
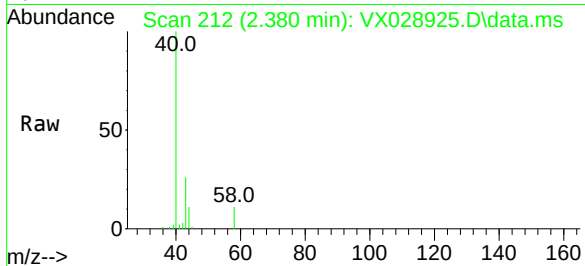




#16
Acetone
Concen: 1.026 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

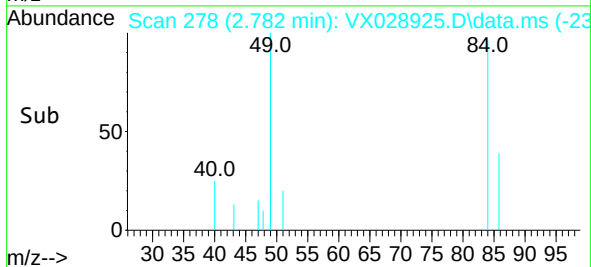
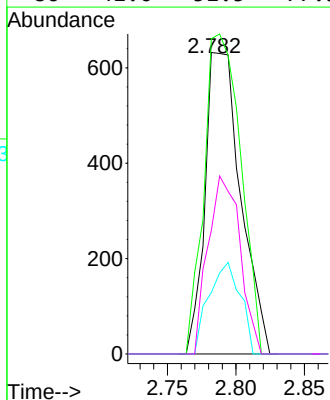
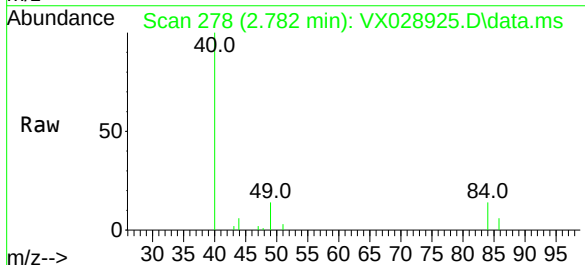
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519DL

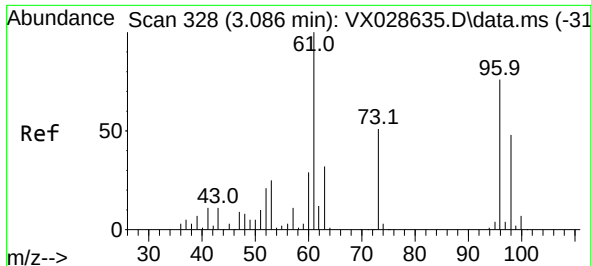
Tgt Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
58 42.0 28.8 43.2



#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 84 Resp: 1148
Ion Ratio Lower Upper
84 100
49 104.6 85.5 128.3
51 20.4 26.6 39.8#
86 41.0 51.5 77.3#

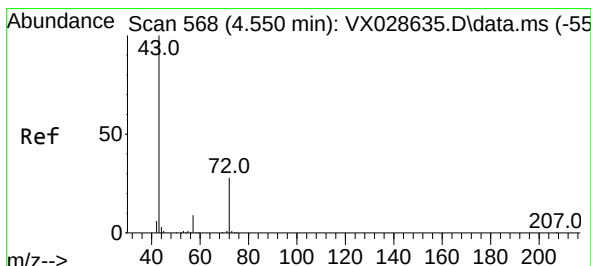
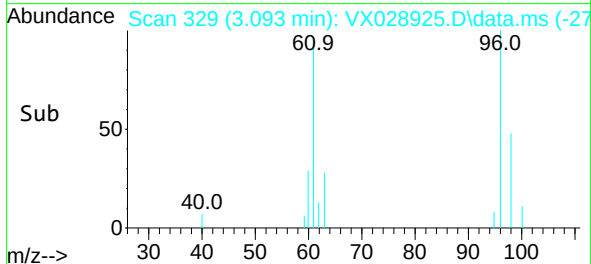
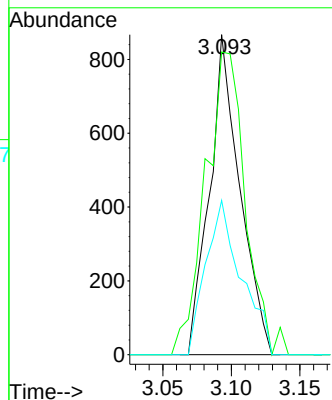
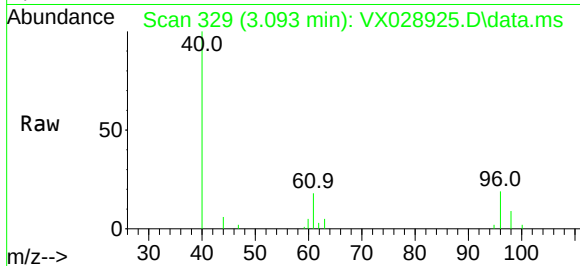




#21
trans-1,2-Dichloroethene
Concen: 0.330 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

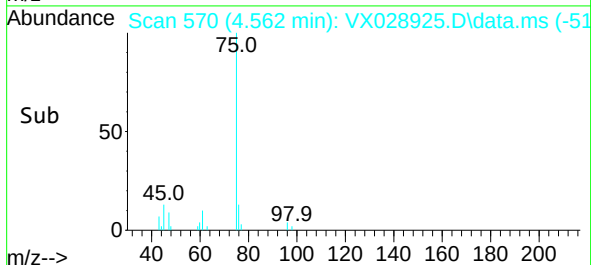
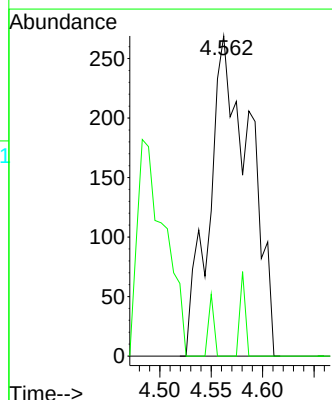
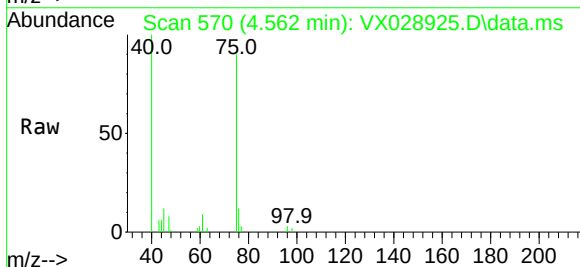
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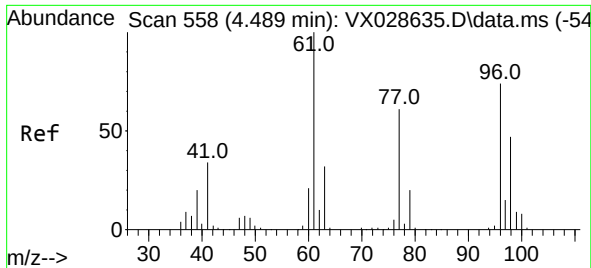
Tgt Ion: 96 Resp: 1337
Ion Ratio Lower Upper
96 100
61 86.4 105.4 158.2#
98 48.2 50.0 75.0#



#25
2-Butanone
Concen: 0.230 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#

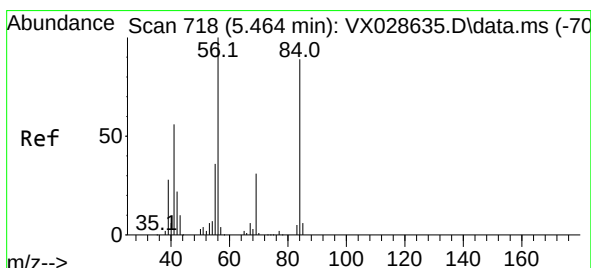
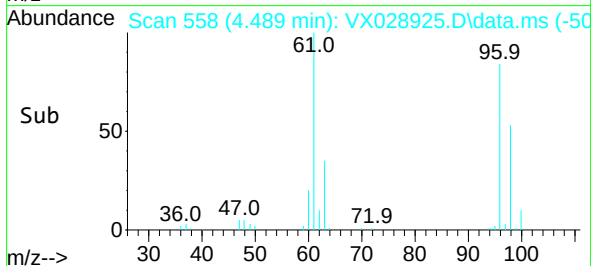
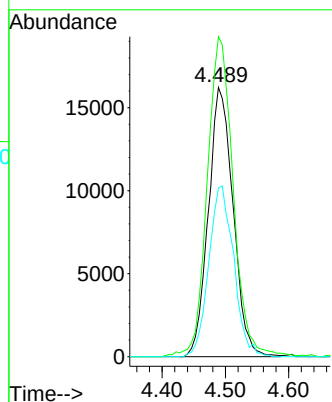
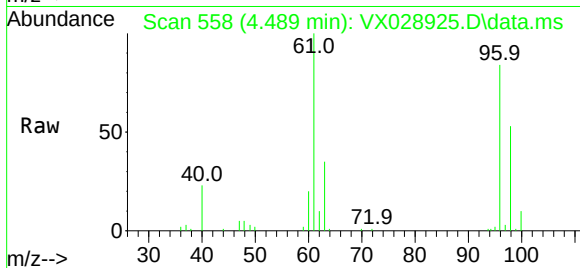




#27
 cis-1,2-Dichloroethene
 Concen: 9.311 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX028925.D
 Acq: 24 May 2022 16:42

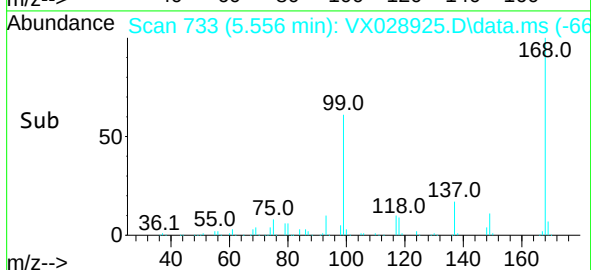
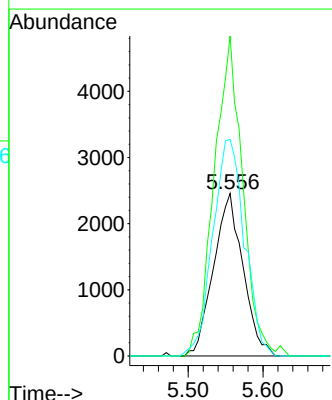
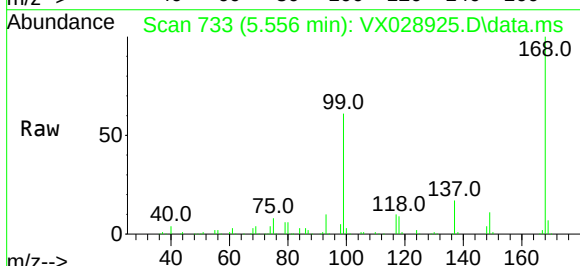
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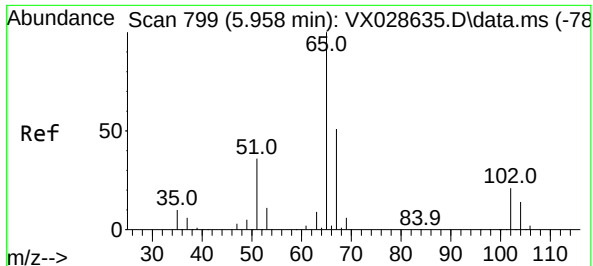
Tgt Ion:	96	Resp:	44092
Ion	Ratio	Lower	Upper
96	100		
61	124.7	0.0	283.8
98	63.8	0.0	129.8



#31
 Cyclohexane
 Concen: 1.018 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.092 min
 Lab File: VX028925.D
 Acq: 24 May 2022 16:42

Tgt Ion:	56	Resp:	6735
Ion	Ratio	Lower	Upper
56	100		
69	196.9	26.7	40.1#
84	133.2	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 49.622 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028925.D

Acq: 24 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

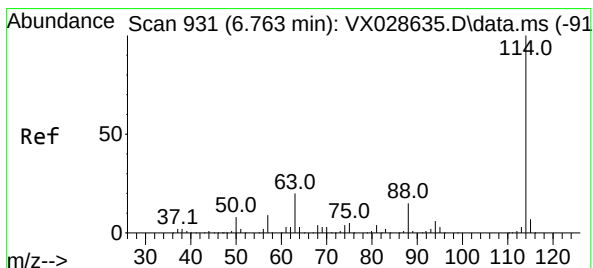
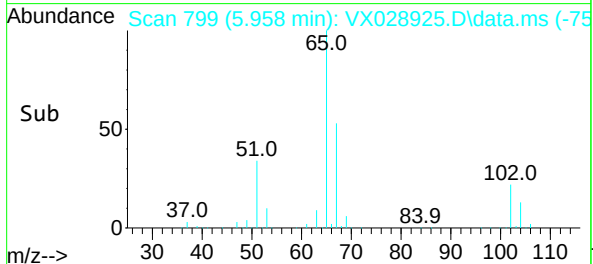
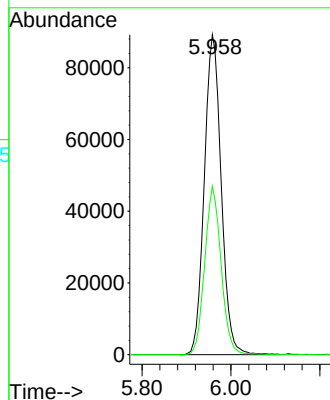
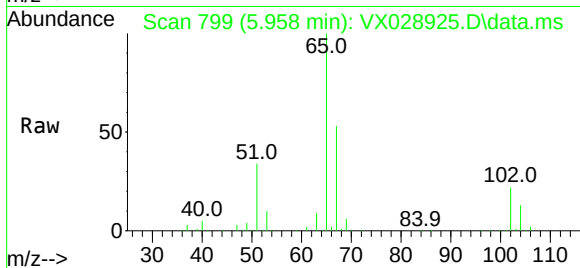
70BR-10-20220519DL

Tgt Ion: 65 Resp: 236579

Ion Ratio Lower Upper

65 100

67 50.9 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: VX028925.D

Acq: 24 May 2022 16:42

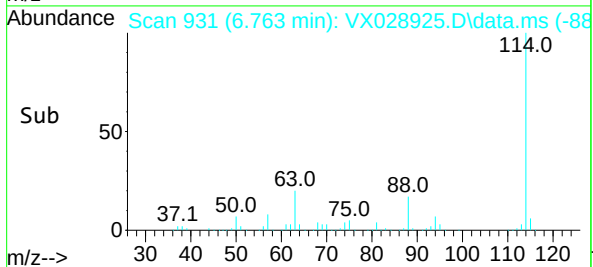
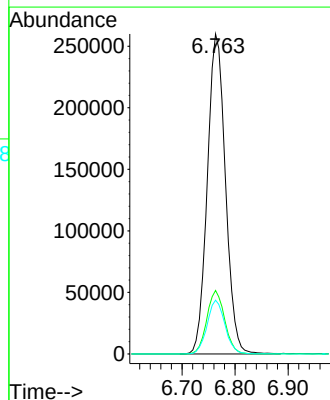
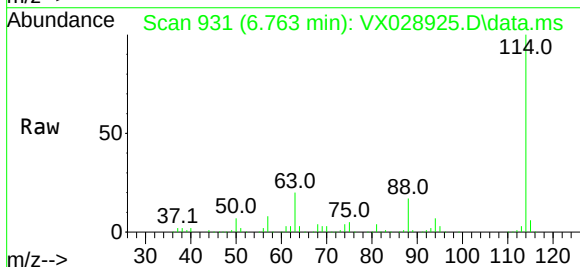
Tgt Ion: 114 Resp: 617121

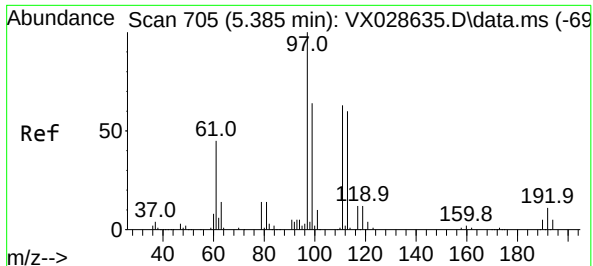
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.8

88 16.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.792 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028925.D

Acq: 24 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

70BR-10-20220519DL

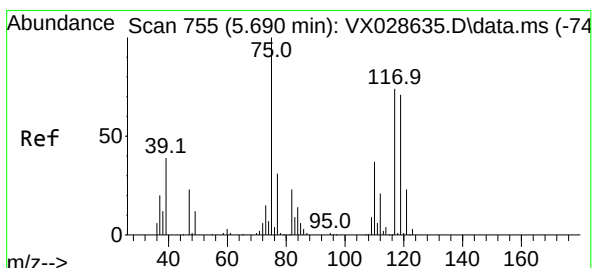
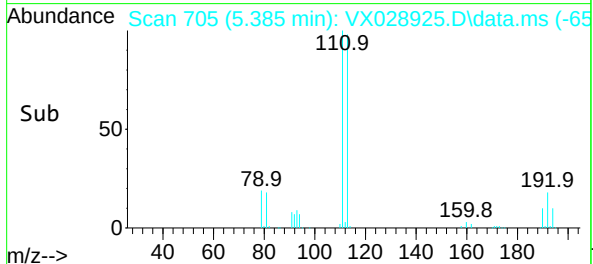
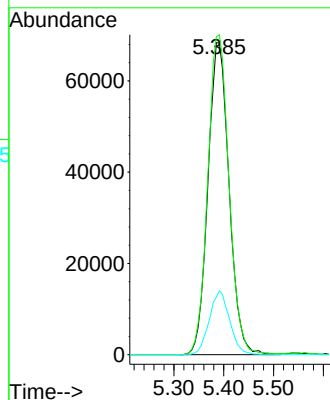
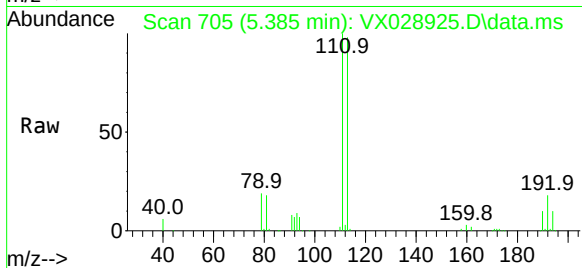
Tgt Ion:113 Resp: 201322

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.490 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028925.D

Acq: 24 May 2022 16:42

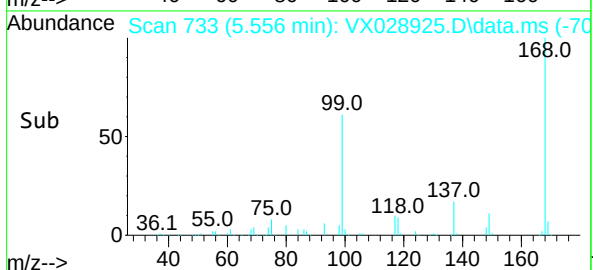
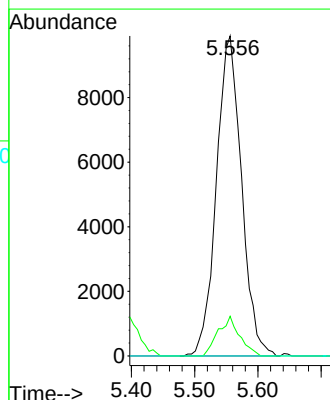
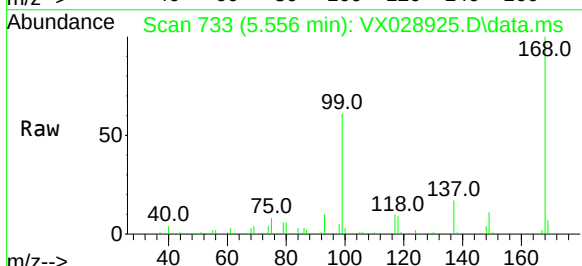
Tgt Ion: 75 Resp: 27266

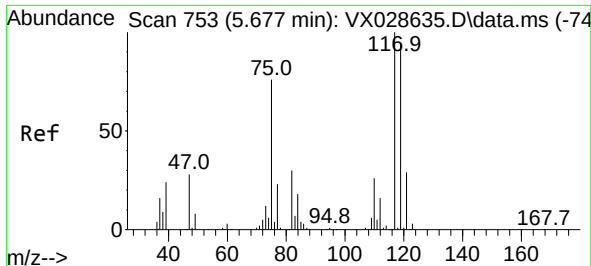
Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

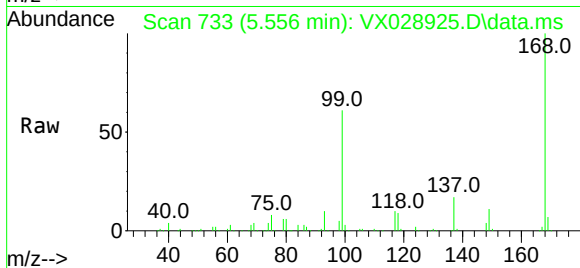
77 0.0 24.8 37.2#



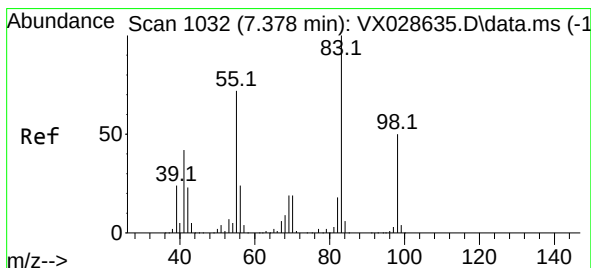
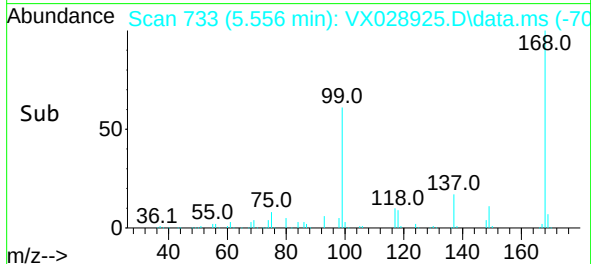
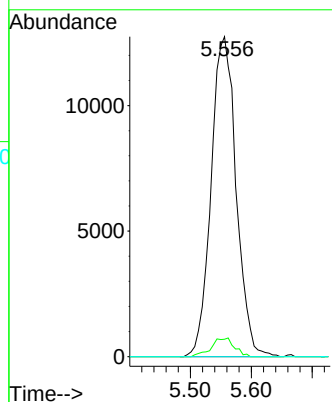


#38
Carbon Tetrachloride
Concen: 5.973 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519DL

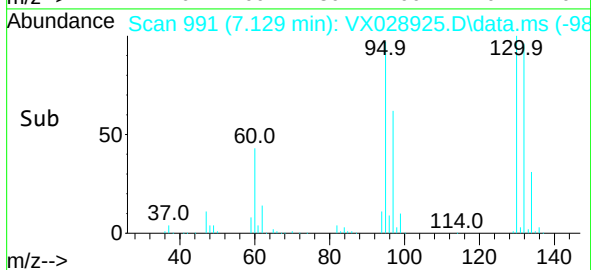
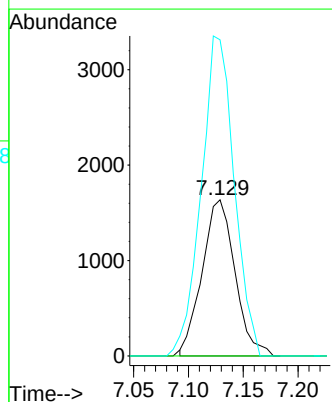
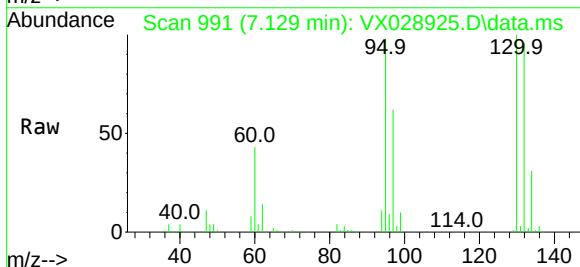


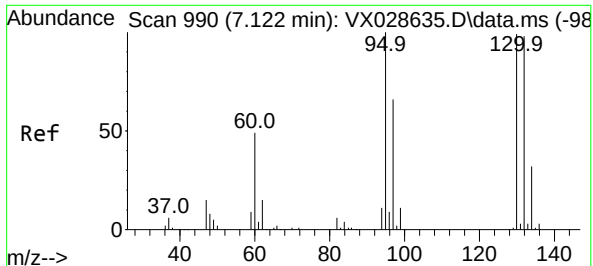
Tgt Ion: 117 Resp: 36504
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.490 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.249 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 83 Resp: 3413
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 202.5 37.4 56.2#

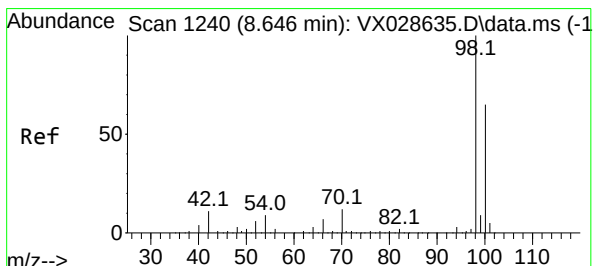
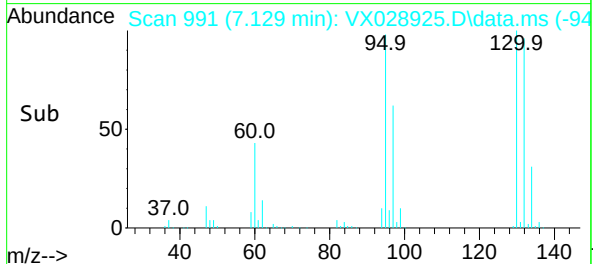
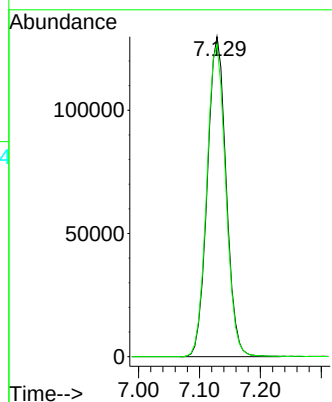
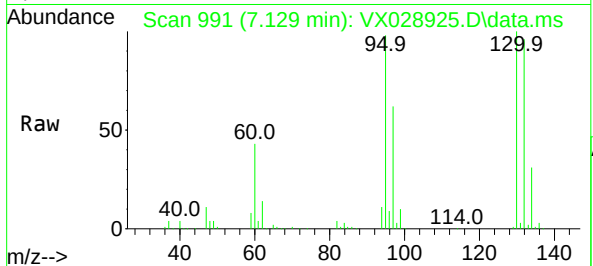




#44
Trichloroethene
Concen: 58.940 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

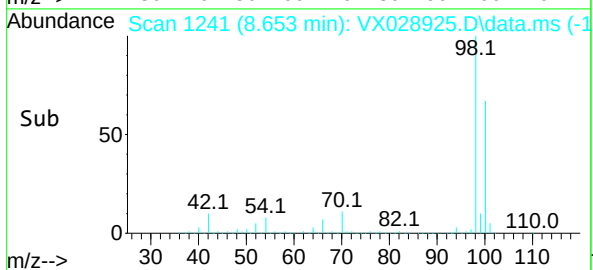
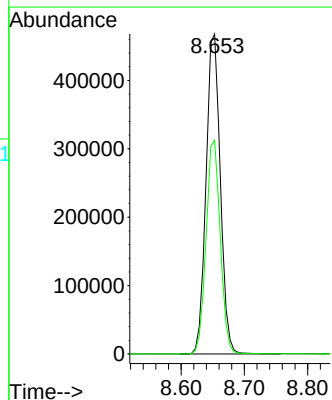
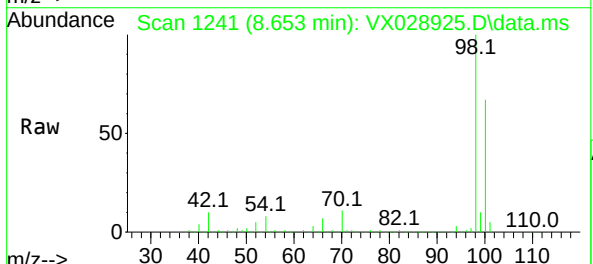
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519DL

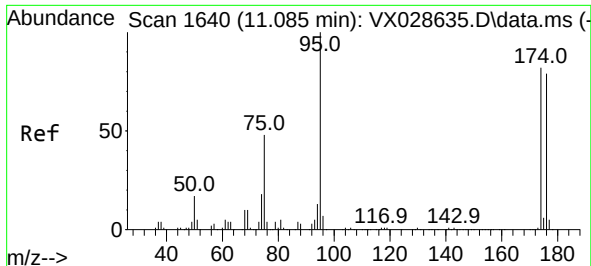
Tgt Ion:130 Resp: 278995
Ion Ratio Lower Upper
130 100
95 97.5 0.0 188.8



#50
Toluene-d8
Concen: 48.377 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028925.D
Acq: 24 May 2022 16:42

Tgt Ion: 98 Resp: 737456
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 52.363 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028925.D

Acq: 24 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

70BR-10-20220519DL

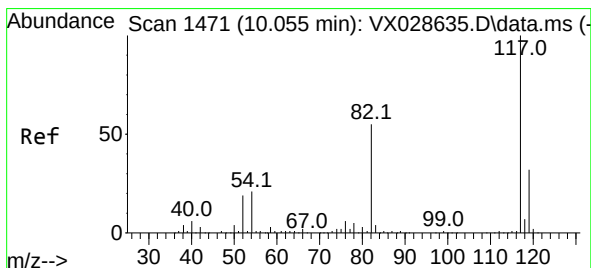
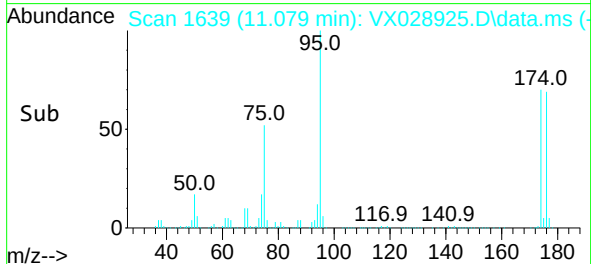
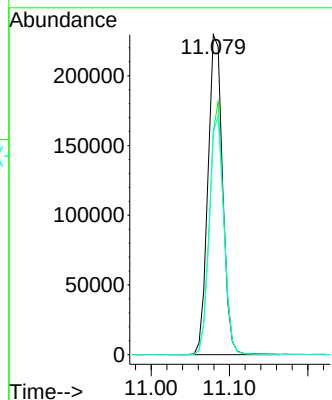
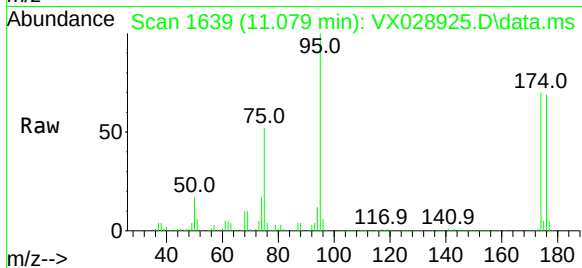
Tgt Ion: 95 Resp: 298142

Ion Ratio Lower Upper

95 100

174 76.1 0.0 163.0

176 73.7 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: VX028925.D

Acq: 24 May 2022 16:42

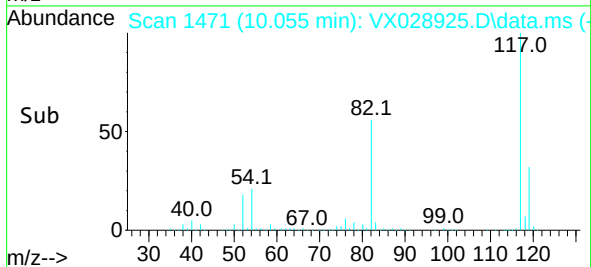
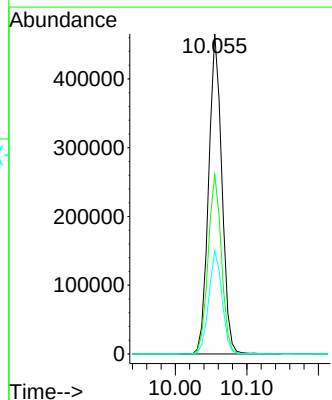
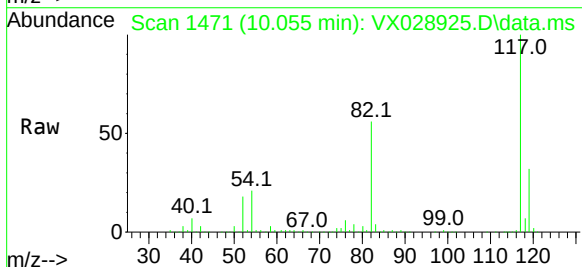
Tgt Ion: 117 Resp: 598225

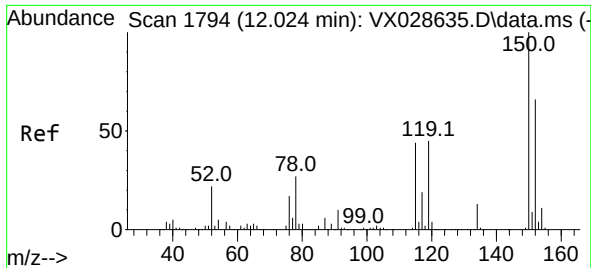
Ion Ratio Lower Upper

117 100

82 56.1 41.8 62.8

119 32.2 24.8 37.2

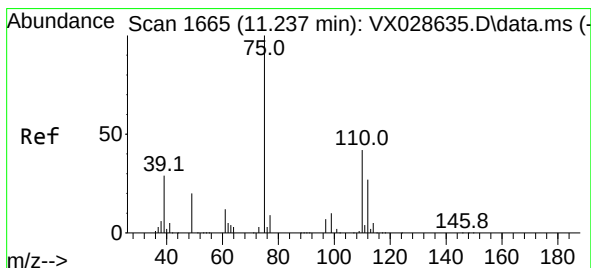
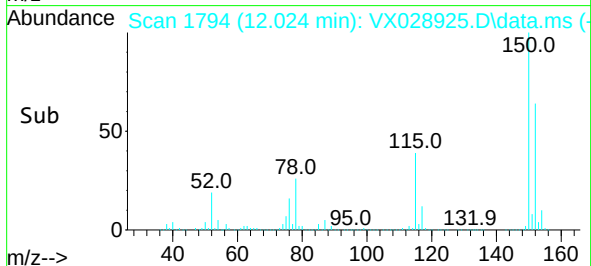
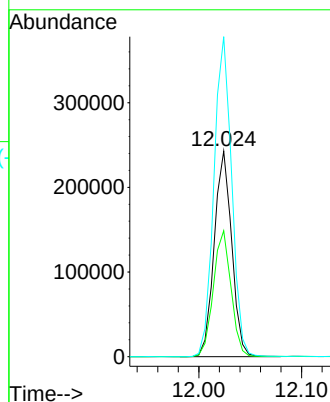
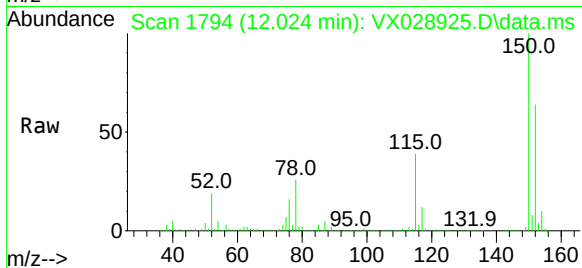




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028925.D
 Acq: 24 May 2022 16:42

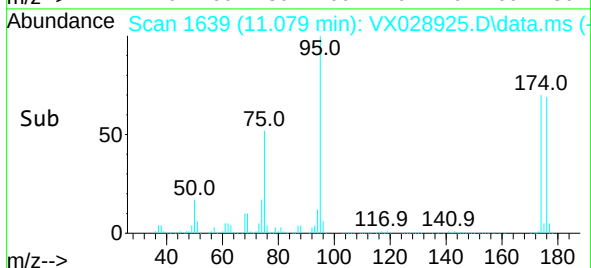
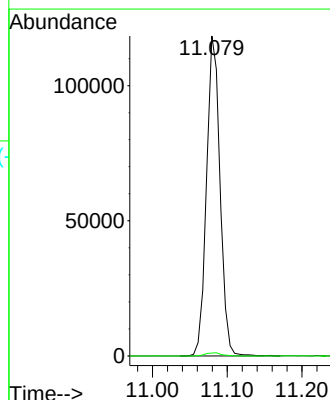
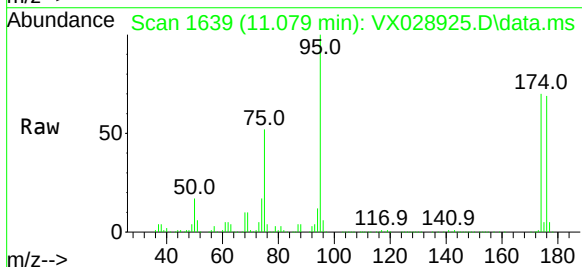
Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-10-20220519DL

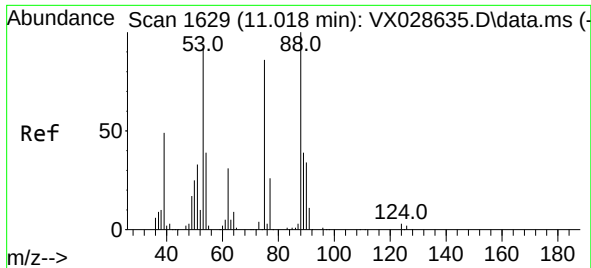
Tgt Ion:152 Resp: 287255
 Ion Ratio Lower Upper
 152 100
 115 61.9 37.5 112.7
 150 158.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.056 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028925.D
 Acq: 24 May 2022 16:42

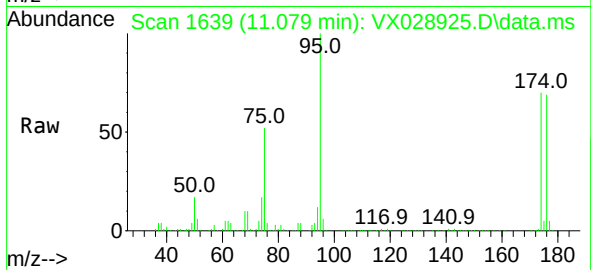
Tgt Ion: 75 Resp: 148378
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.576 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028925.D
 Acq: 24 May 2022 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-10-20220519DL



Tgt Ion: 75 Resp: 148378
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

