

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052022\
 Data File : VX028873.D
 Acq On : 21 May 2022 01:05
 Operator : JC/MD
 Sample : N2970-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 36BR-20220519

Quant Time: May 21 02:11:27 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)

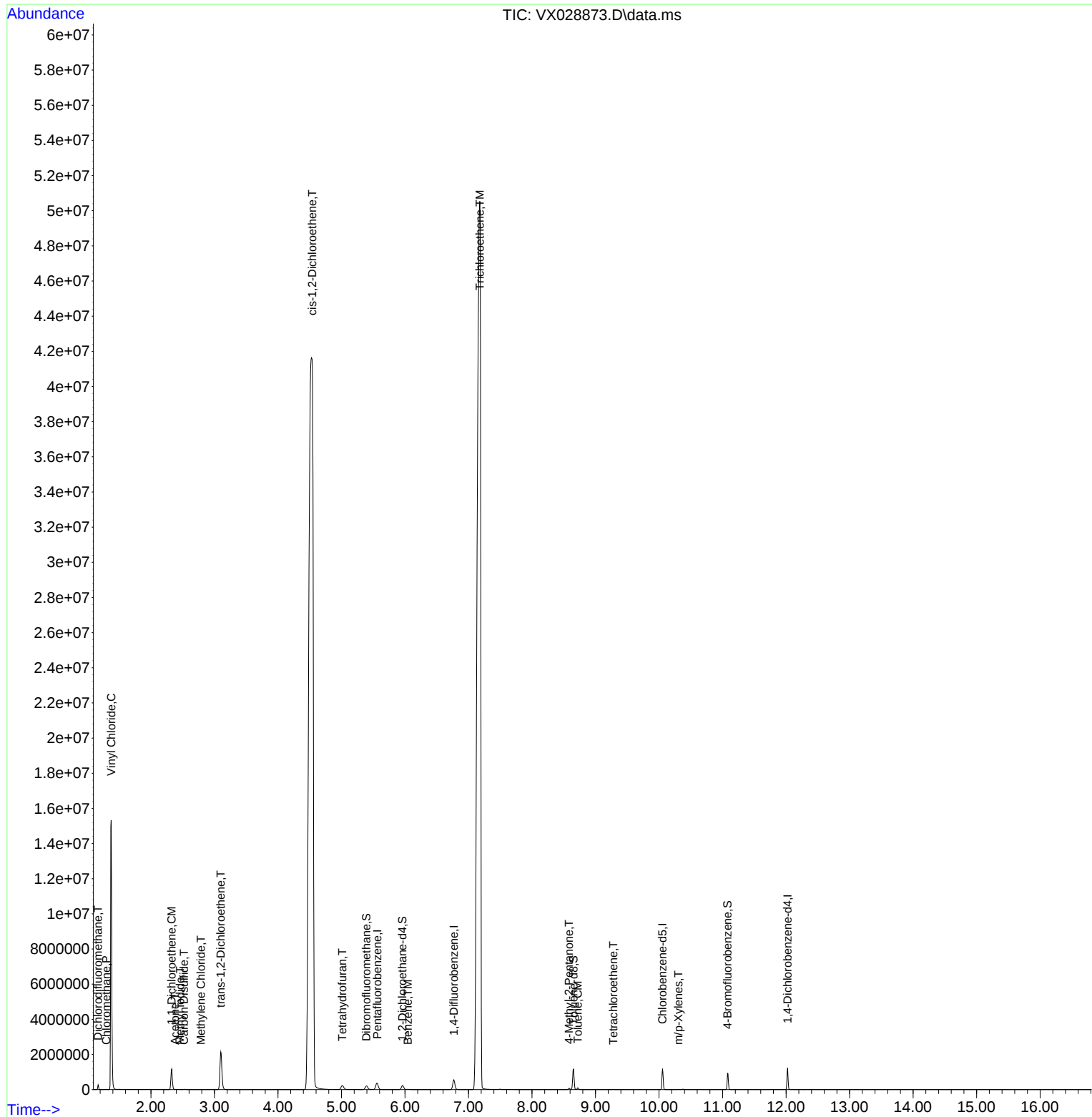
Internal Standards						
1) Pentafluorobenzene	5.562	168	338846	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.769	114	584973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	532497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	239134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	234813	50.554	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.100%	
35) Dibromofluoromethane	5.391	113	181906	47.462	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.920%	
50) Toluene-d8	8.653	98	699569	48.414	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.820%	
62) 4-Bromofluorobenzene	11.079	95	261323	48.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	131538	29.647	ug/l	99
3) Chloromethane	1.294	50	3073	0.735	ug/l	95
4) Vinyl Chloride	1.374	62	9946853	2208.957	ug/l #	67
10) Methyl Iodide	2.459	142	5662	1.252	ug/l	98
12) 1,1-Dichloroethene	2.325	96	398044	113.504	ug/l	98
16) Acetone	2.380	43	4416	2.215	ug/l	94
17) Carbon Disulfide	2.520	76	24298	2.673	ug/l	98
20) Methylene Chloride	2.788	84	1031	0.247	ug/l #	84
21) trans-1,2-Dichloroethene	3.099	96	993451	251.496	ug/l	98
27) cis-1,2-Dichloroethene	4.538	96	41651115	9027.977	ug/l	73
29) Tetrahydrofuran	5.013	42	202878	99.747	ug/l	93
40) Benzene	6.043	78	21690	1.311	ug/l	99
44) Trichloroethene	7.177	130	31585440	7039.433	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	18531	2.991	ug/l	92
52) Toluene	8.720	92	38399	3.608	ug/l	95
64) Tetrachloroethene	9.281	164	1392	0.346	ug/l #	86
68) m/p-Xylenes	10.305	106	2326	0.295	ug/l	92

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

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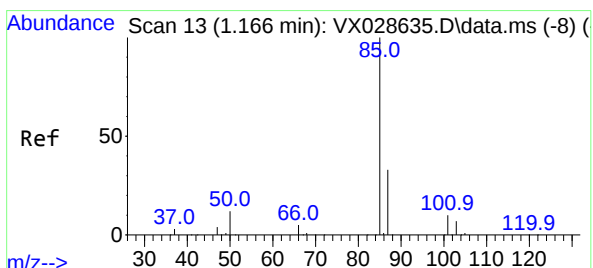
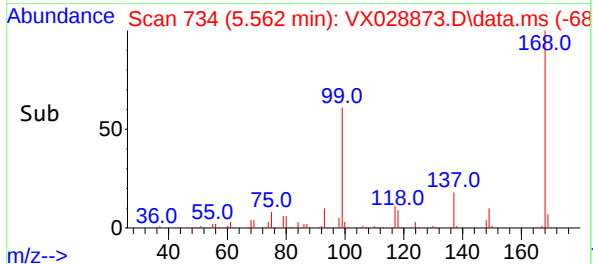
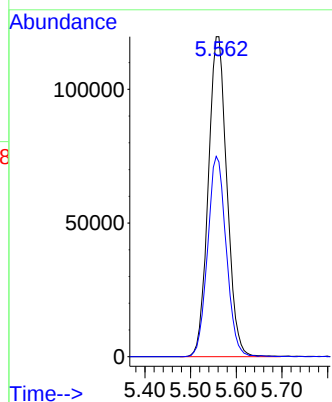
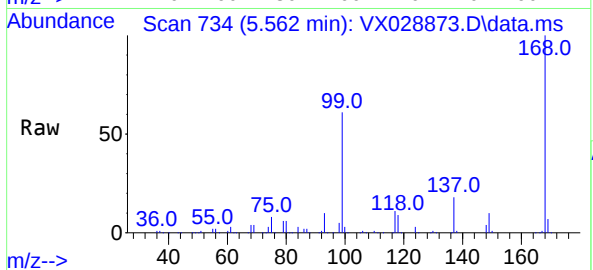




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.013 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

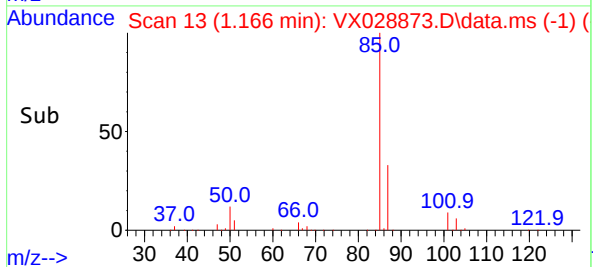
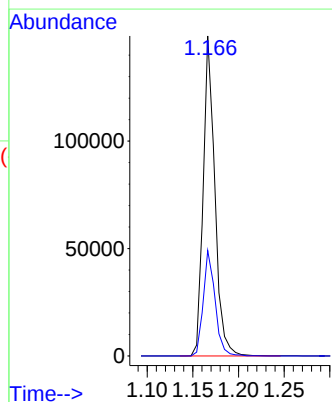
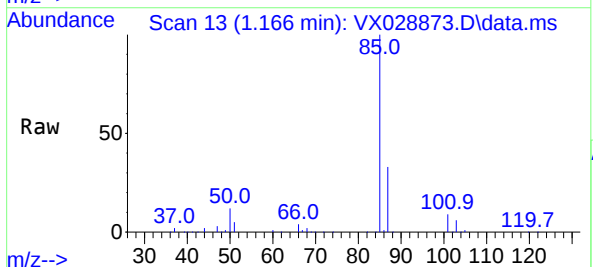
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

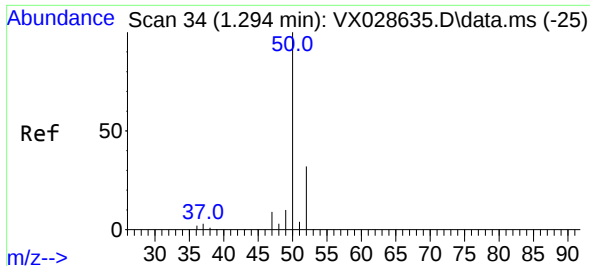
Tgt Ion:168 Resp: 338846
Ion Ratio Lower Upper
168 100
99 60.8 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 29.647 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 85 Resp: 131538
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

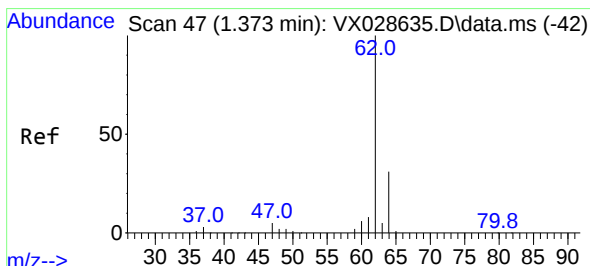
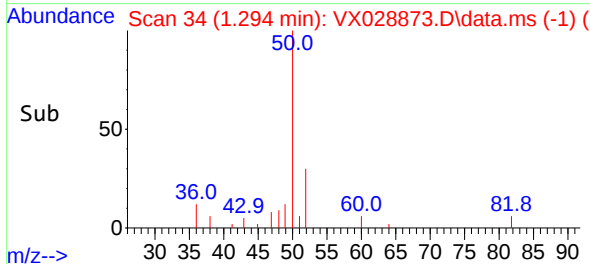
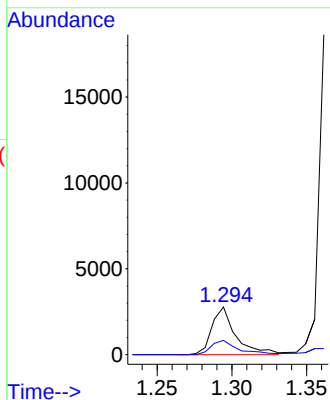
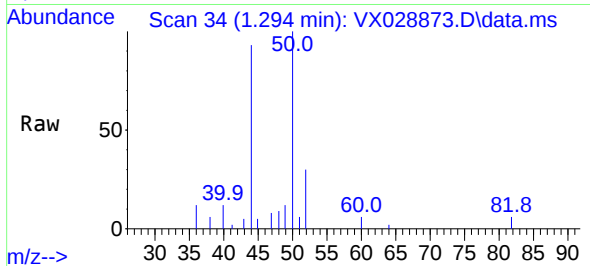




#3
Chloromethane
Concen: 0.735 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

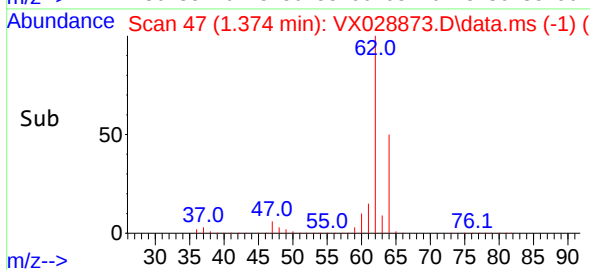
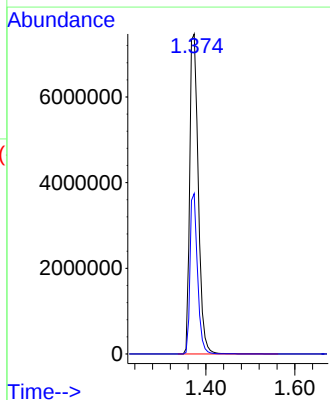
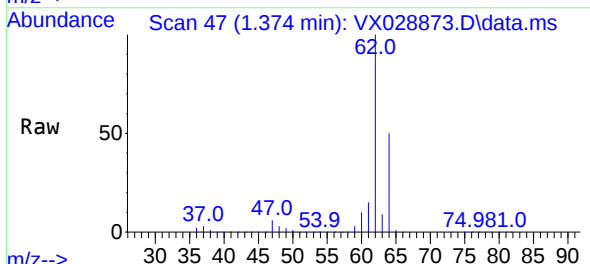
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

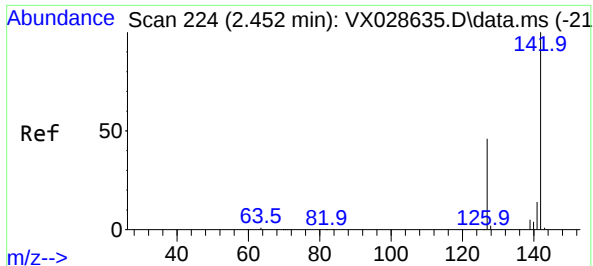
Tgt Ion: 50 Resp: 3073
Ion Ratio Lower Upper
50 100
52 30.0 26.4 39.6



#4
Vinyl Chloride
Concen: 2208.957 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 62 Resp: 9946853
Ion Ratio Lower Upper
62 100
64 50.1 25.5 38.3#

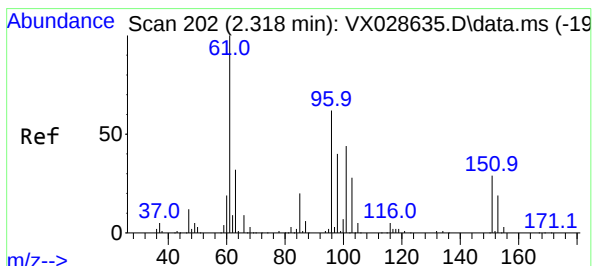
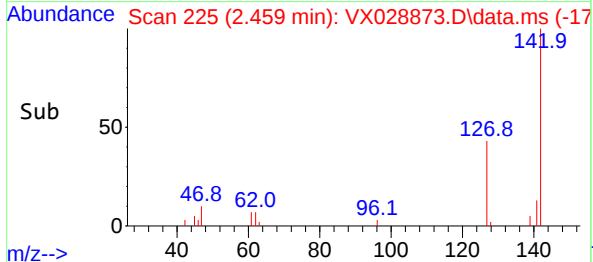
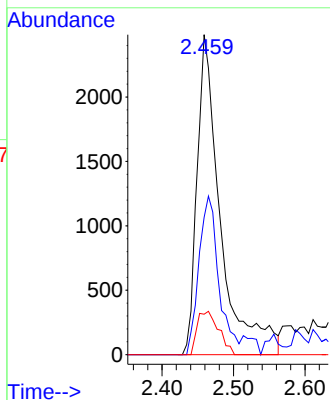
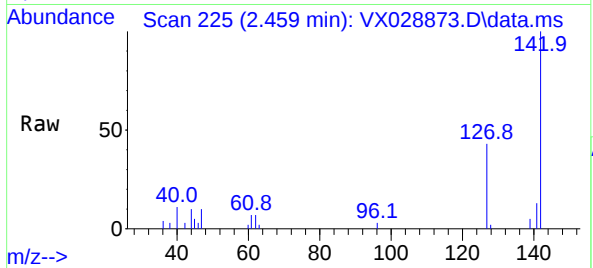




#10
Methyl Iodide
Concen: 1.252 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

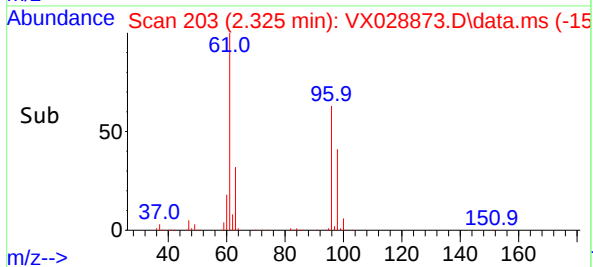
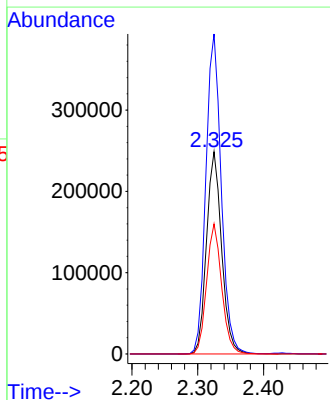
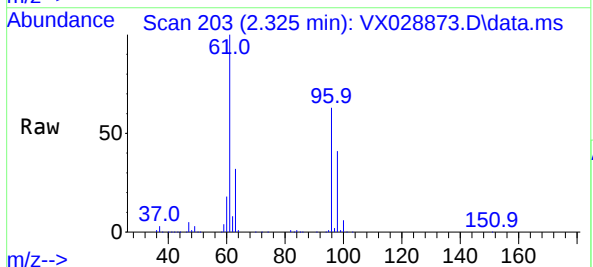
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

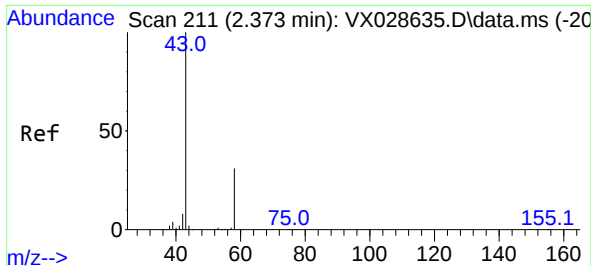
Tgt Ion:142 Resp: 5662
Ion Ratio Lower Upper
142 100
127 42.0 33.9 50.9
141 12.4 11.4 17.2



#12
1,1-Dichloroethene
Concen: 113.504 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 96 Resp: 398044
Ion Ratio Lower Upper
96 100
61 158.2 124.6 187.0
98 64.3 51.0 76.4

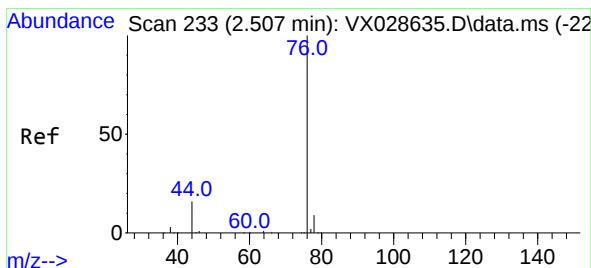
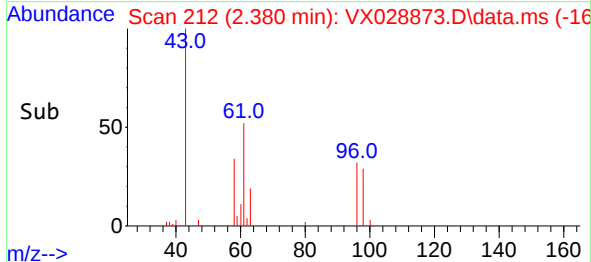
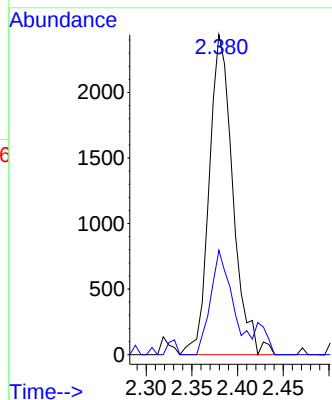
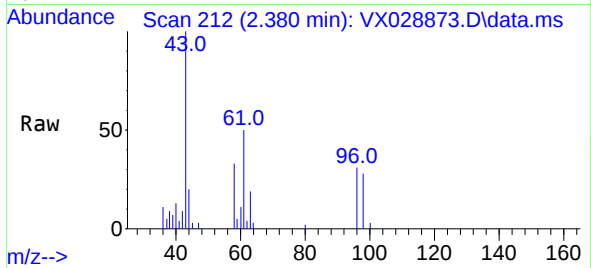




#16
Acetone
Concen: 2.215 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

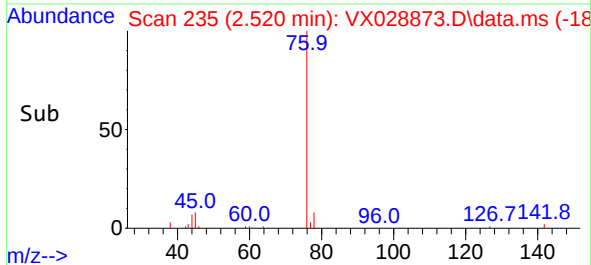
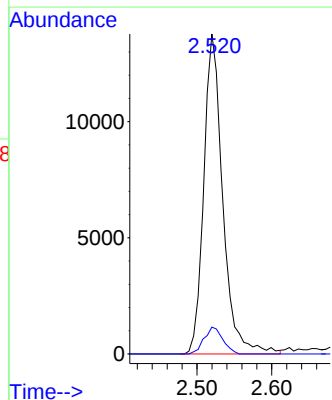
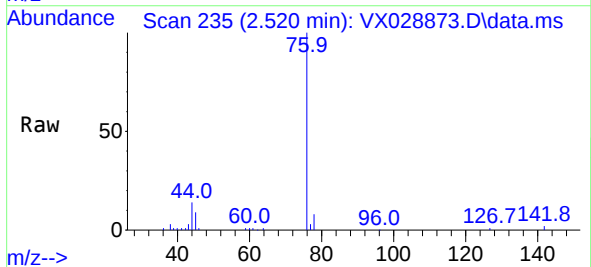
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

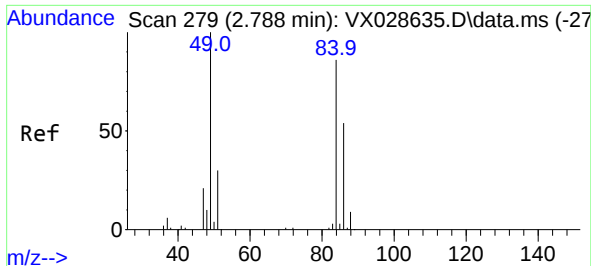
Tgt Ion: 43 Resp: 4416
Ion Ratio Lower Upper
43 100
58 32.6 28.8 43.2



#17
Carbon Disulfide
Concen: 2.673 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

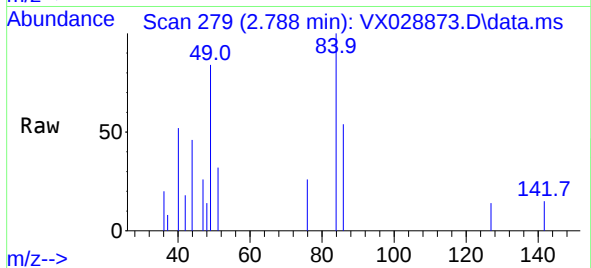
Tgt Ion: 76 Resp: 24298
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8





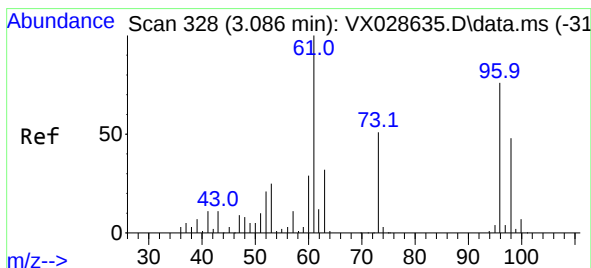
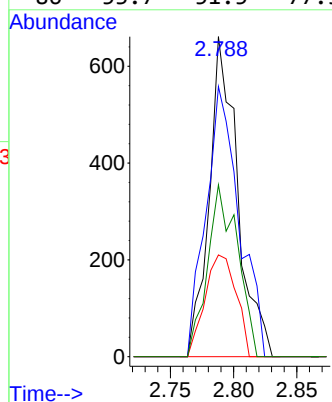
#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519



Tgt Ion: 84 Resp: 1031

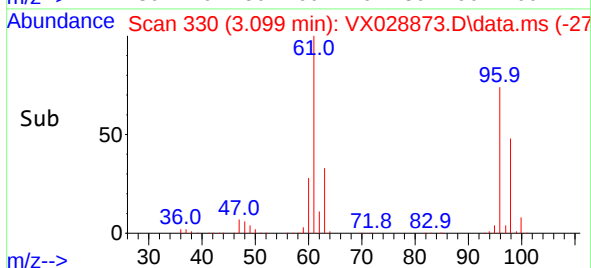
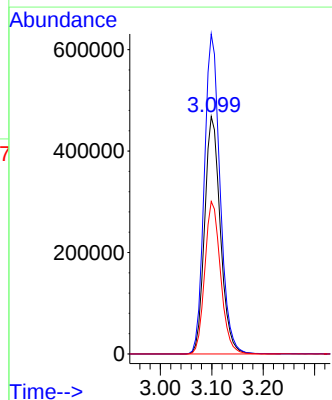
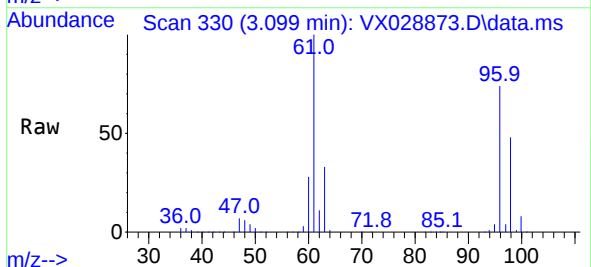
Ion	Ratio	Lower	Upper
84	100		
49	84.4	85.5	128.3#
51	31.8	26.6	39.8
86	53.7	51.5	77.3

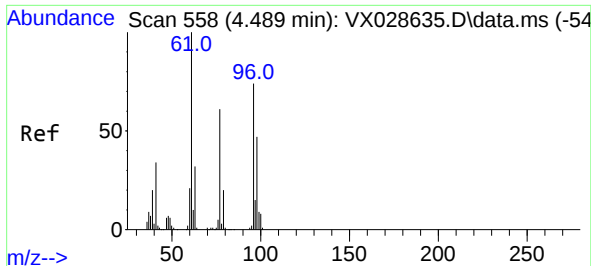


#21
trans-1,2-Dichloroethene
Concen: 251.496 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.013 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 96 Resp: 993451

Ion	Ratio	Lower	Upper
96	100		
61	134.7	105.4	158.2
98	64.2	50.0	75.0





#27

cis-1,2-Dichloroethene

Concen: 9027.977 ug/l

RT: 4.538 min Scan# 5

Delta R.T. 0.049 min

Lab File: VX028873.D

Acq: 21 May 2022 01:05

Instrument :

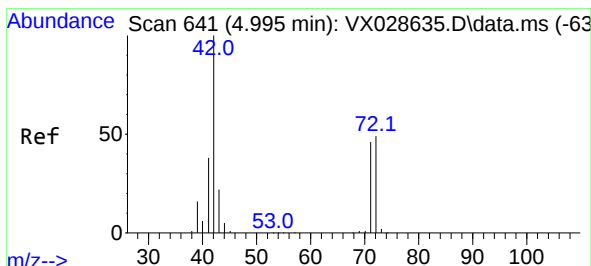
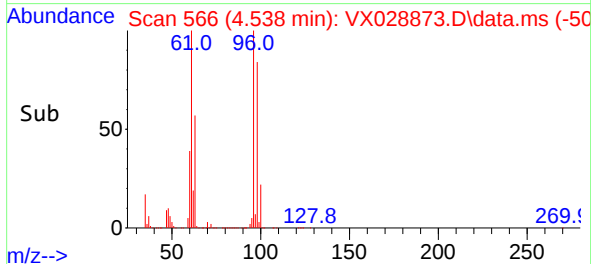
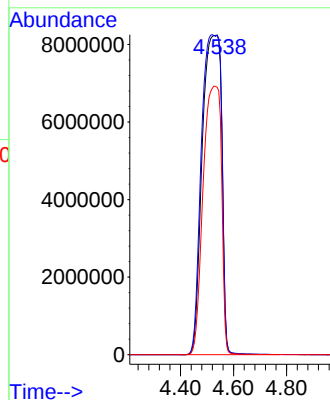
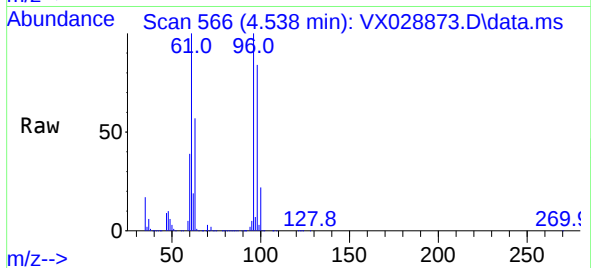
MSVOA_X

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Tgt Ion: 96 Resp:41651115

Ion	Ratio	Lower	Upper
96	100		
61	104.7	0.0	283.8
98	79.4	0.0	129.8



#29

Tetrahydrofuran

Concen: 99.747 ug/l

RT: 5.013 min Scan# 644

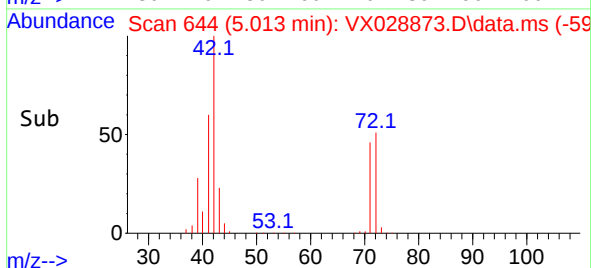
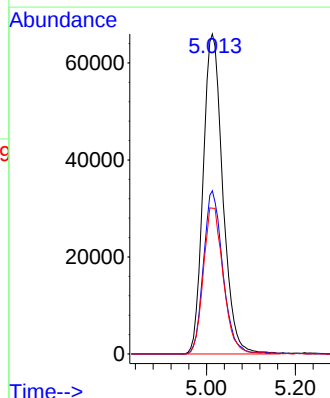
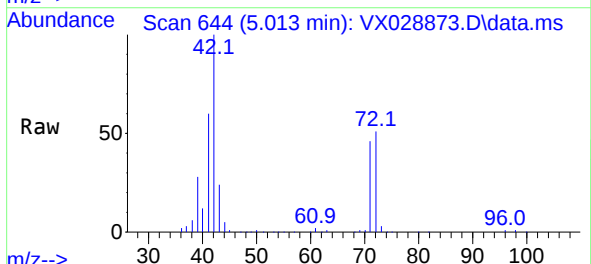
Delta R.T. 0.018 min

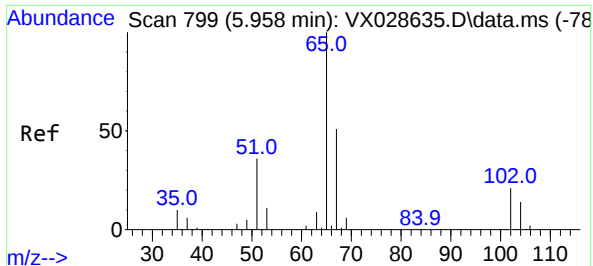
Lab File: VX028873.D

Acq: 21 May 2022 01:05

Tgt Ion: 42 Resp: 202878

Ion	Ratio	Lower	Upper
42	100		
72	50.0	44.1	66.1
71	46.4	40.5	60.7





#33

1,2-Dichloroethane-d4

Concen: 50.554 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028873.D

Acq: 21 May 2022 01:05

Instrument :

MSVOA_X

ClientSampleId :

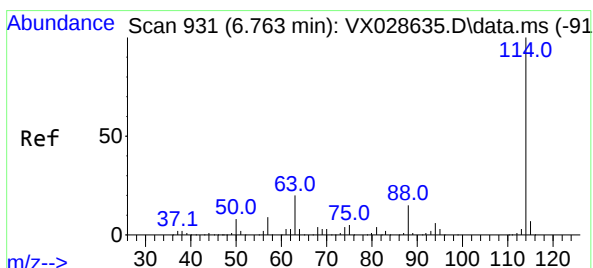
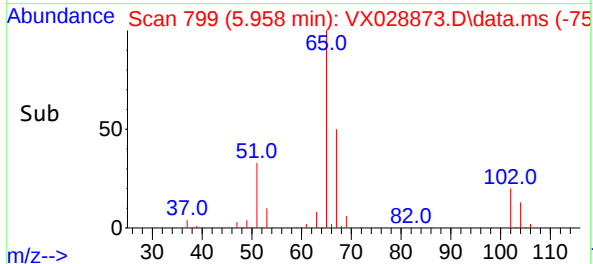
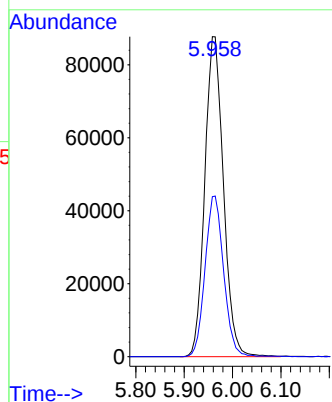
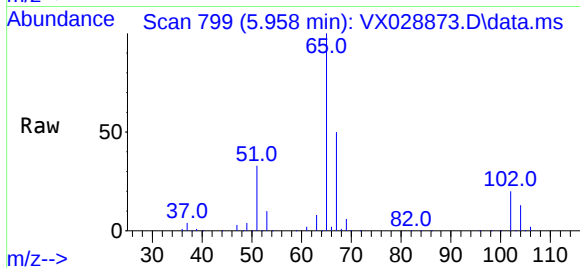
36BR-20220519

Tgt Ion: 65 Resp: 234813

Ion Ratio Lower Upper

65 100

67 50.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX028873.D

Acq: 21 May 2022 01:05

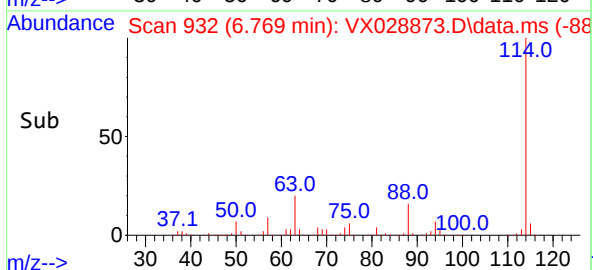
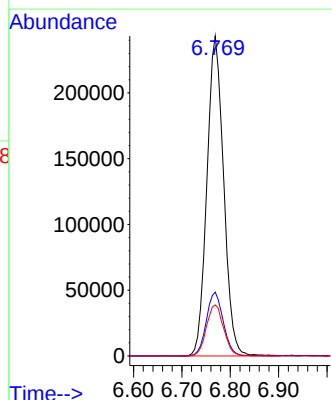
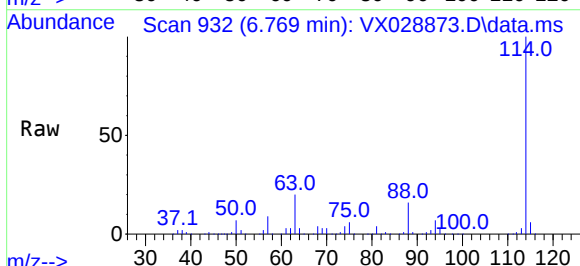
Tgt Ion: 114 Resp: 584973

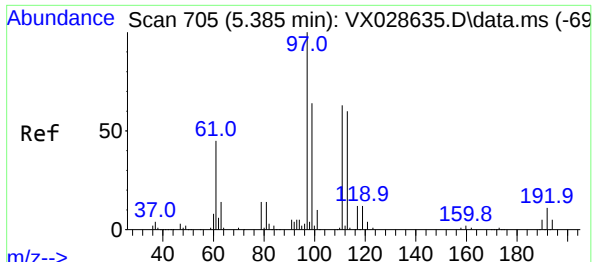
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.8

88 15.9 0.0 32.4

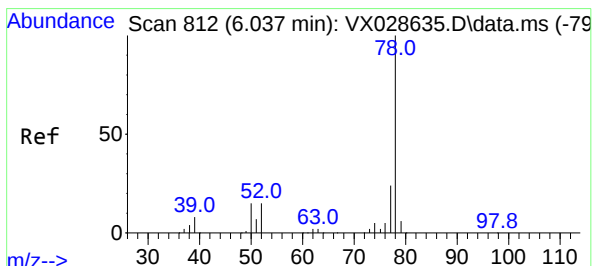
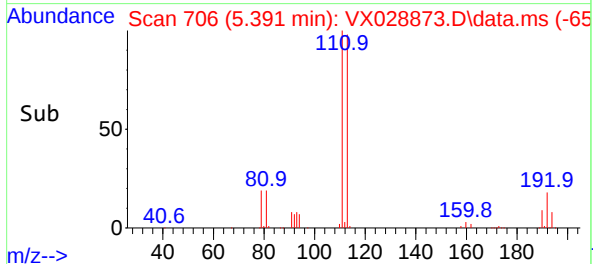
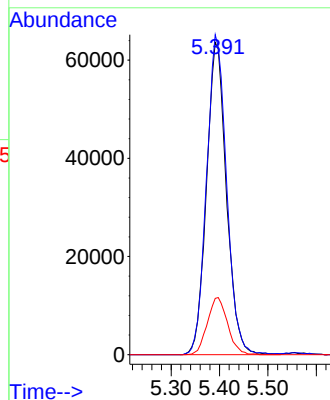
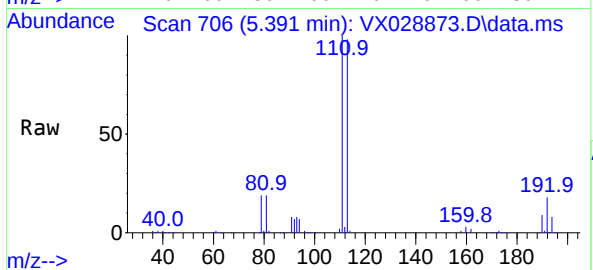




#35
Dibromofluoromethane
Concen: 47.462 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

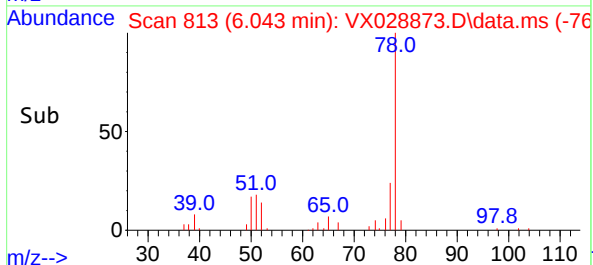
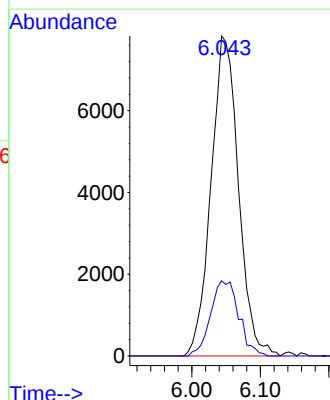
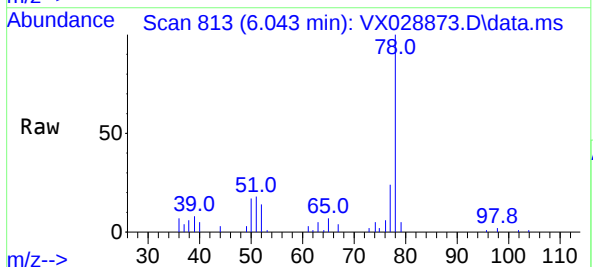
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

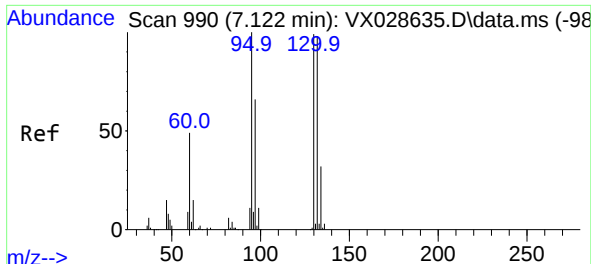
Tgt Ion:113 Resp: 181906
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 18.6 16.9 25.3



#40
Benzene
Concen: 1.311 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 78 Resp: 21690
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9

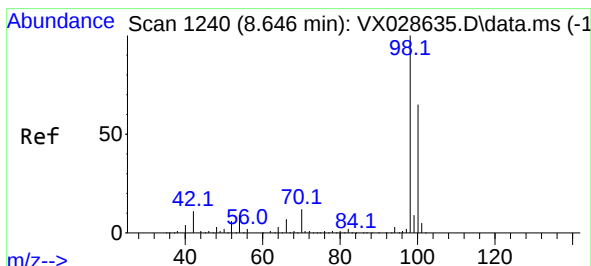
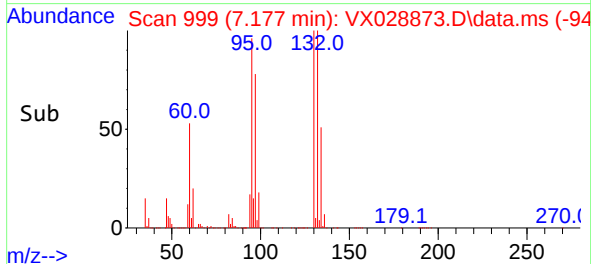
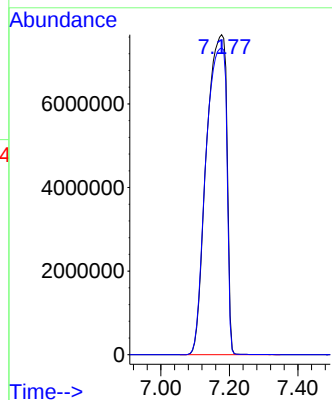
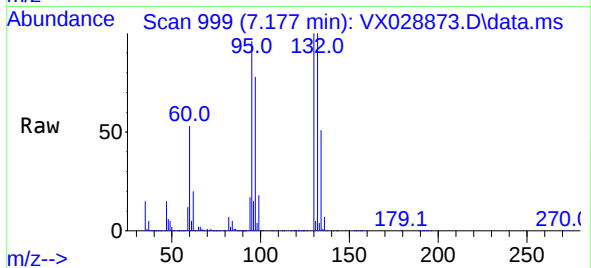




#44
Trichloroethene
Concen: 7039.433 ug/l
RT: 7.177 min Scan# 991
Delta R.T. 0.055 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

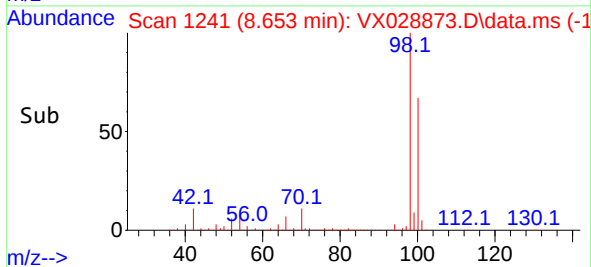
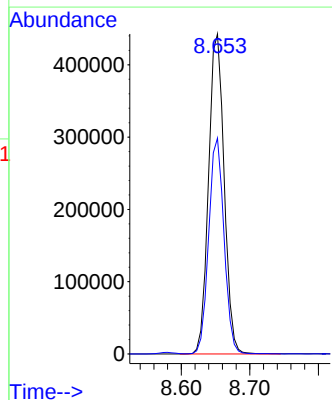
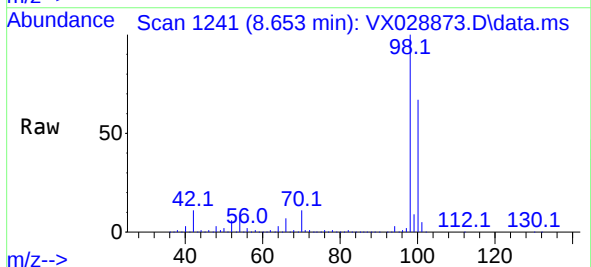
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

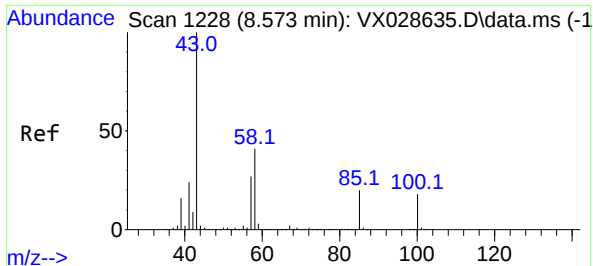
Tgt Ion:130 Resp:31585440
Ion Ratio Lower Upper
130 100
95 95.9 0.0 188.8



#50
Toluene-d8
Concen: 48.414 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 98 Resp: 699569
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

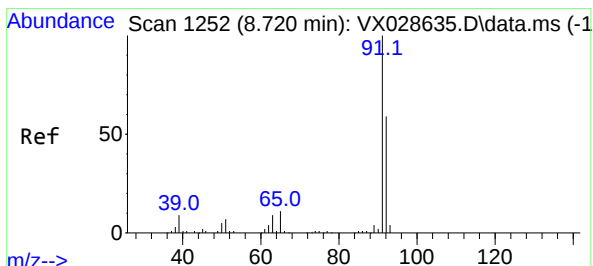
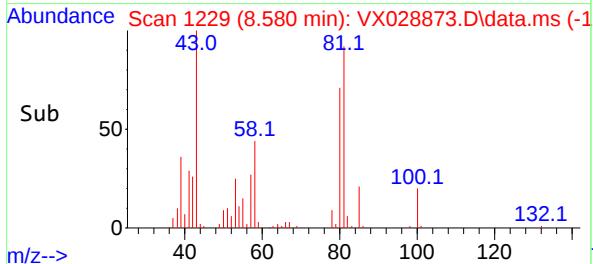
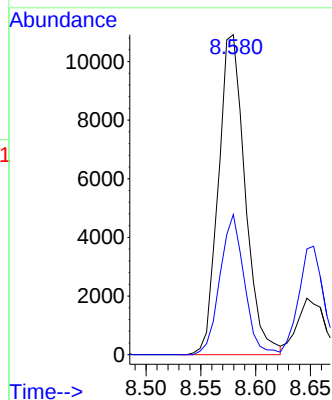
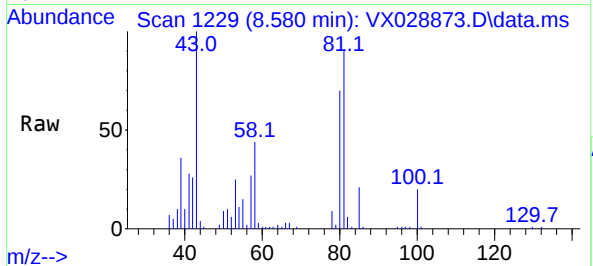




#51
4-Methyl-2-Pentanone
Concen: 2.991 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

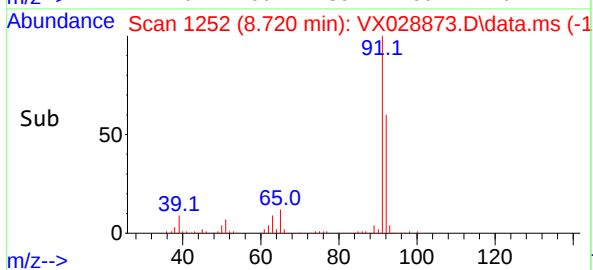
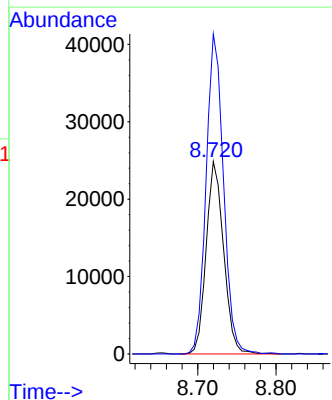
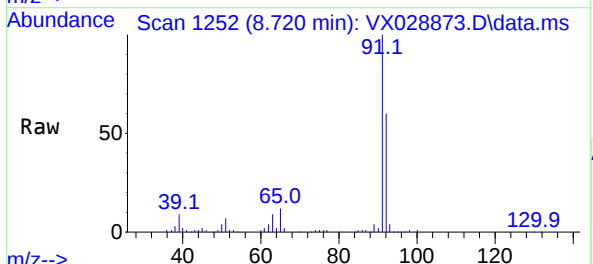
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

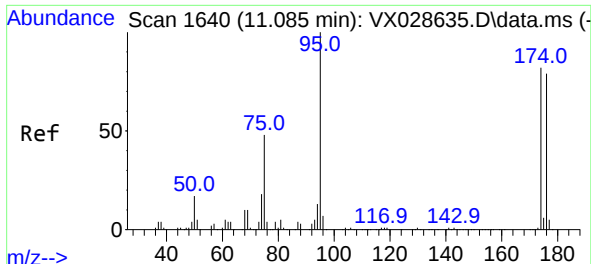
Tgt Ion: 43 Resp: 18531
Ion Ratio Lower Upper
43 100
58 39.8 36.1 54.1



#52
Toluene
Concen: 3.608 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 92 Resp: 38399
Ion Ratio Lower Upper
92 100
91 165.6 137.5 206.3

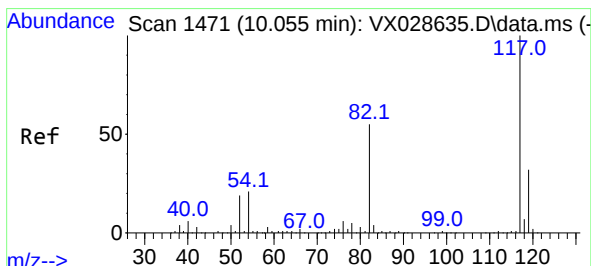
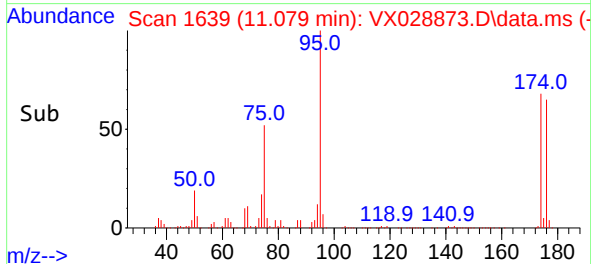
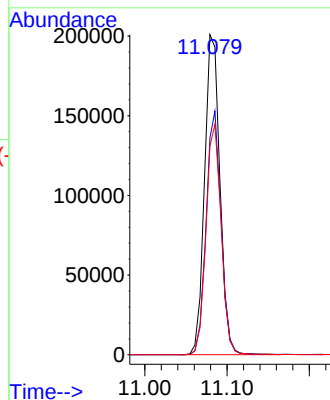
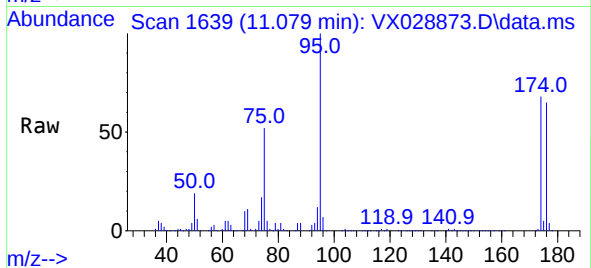




#62
4-Bromofluorobenzene
Concen: 48.419 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

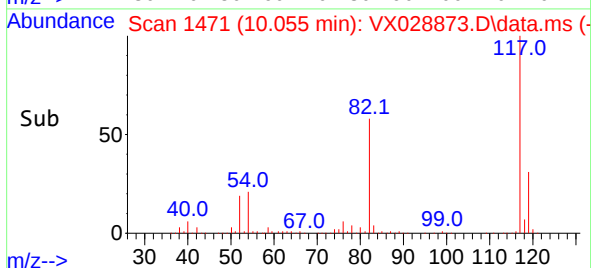
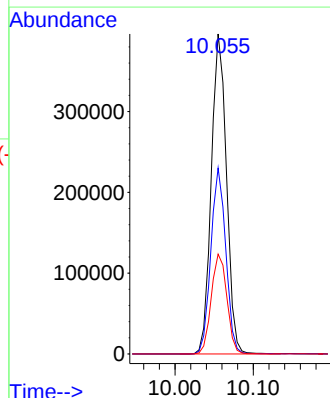
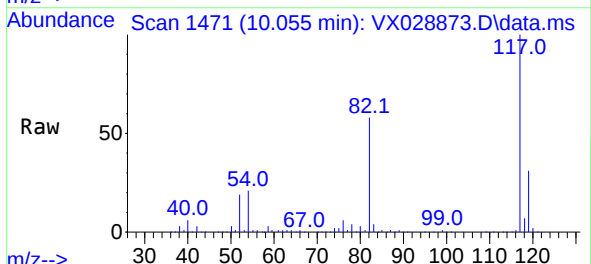
Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

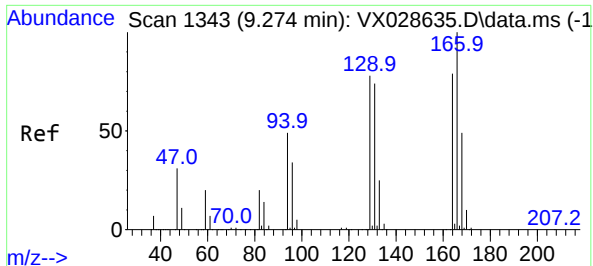
Tgt Ion: 95 Resp: 261323
Ion Ratio Lower Upper
95 100
174 74.2 0.0 163.0
176 70.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion: 117 Resp: 532497
Ion Ratio Lower Upper
117 100
82 58.1 41.8 62.8
119 31.2 24.8 37.2



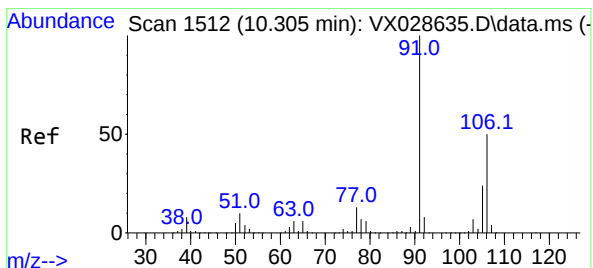
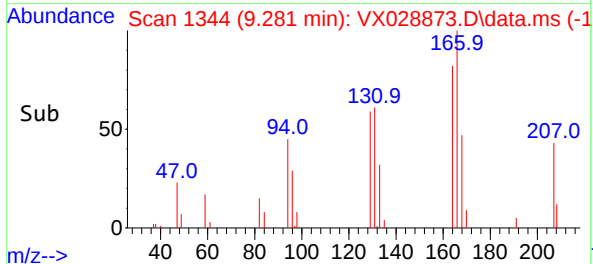
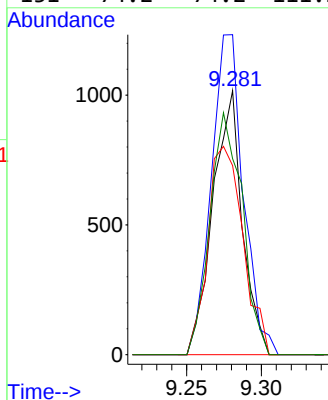
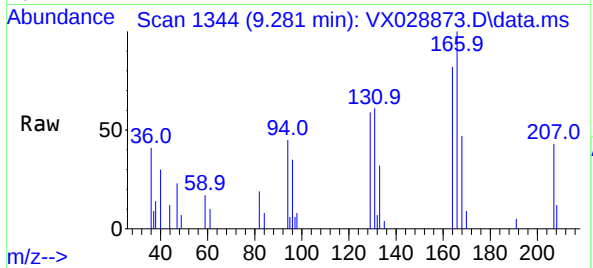


#64
Tetrachloroethene
Concen: 0.346 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

Tgt Ion:164 Resp: 1392

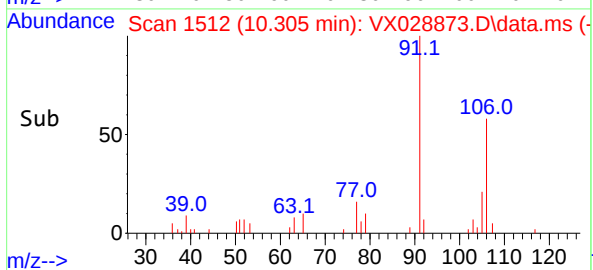
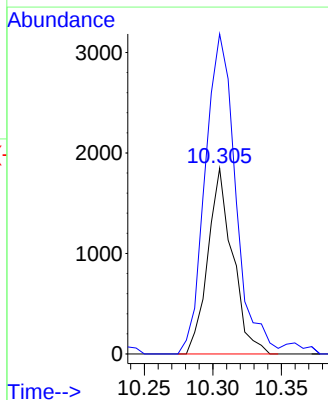
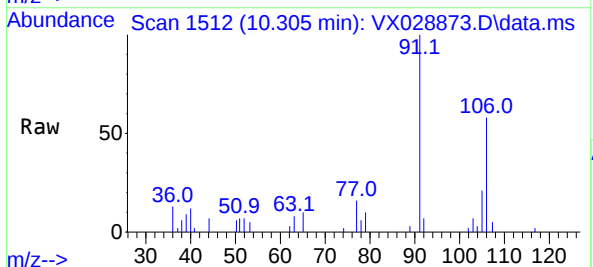
Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.2	151.8
129	71.7	73.0	109.4#
131	74.2	74.2	111.2



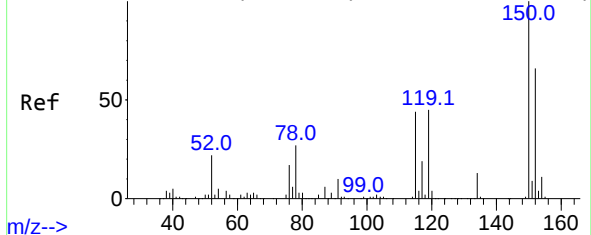
#68
m/p-Xylenes
Concen: 0.295 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Tgt Ion:106 Resp: 2326

Ion	Ratio	Lower	Upper
106	100		
91	212.0	160.4	240.6



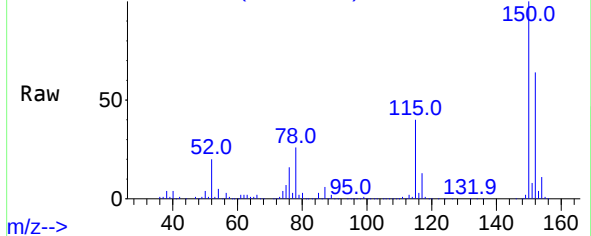
Abundance Scan 1794 (12.024 min): VX028635.D\data.ms (-



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028873.D
Acq: 21 May 2022 01:05

Instrument :
MSVOA_X
ClientSampleId :
36BR-20220519

Abundance Scan 1794 (12.024 min): VX028873.D\data.ms (-



Tgt Ion:152 Resp: 239134
Ion Ratio Lower Upper
152 100
115 63.0 37.5 112.7
150 159.1 0.0 338.2

Abundance Scan 1794 (12.024 min): VX028873.D\data.ms (-

