

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113023\
 Data File : VX039065.D
 Acq On : 30 Nov 2023 14:04
 Operator : JC/MD
 Sample : 05585-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P3874-SP1

Quant Time: Dec 01 01:57:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	108666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	222944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107535	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84213	48.095	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.180%
35) Dibromofluoromethane	5.385	113	70439	43.747	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.500%
50) Toluene-d8	8.647	98	277441	45.035	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.080%#
62) 4-Bromofluorobenzene	11.079	95	116954	47.425	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.840%

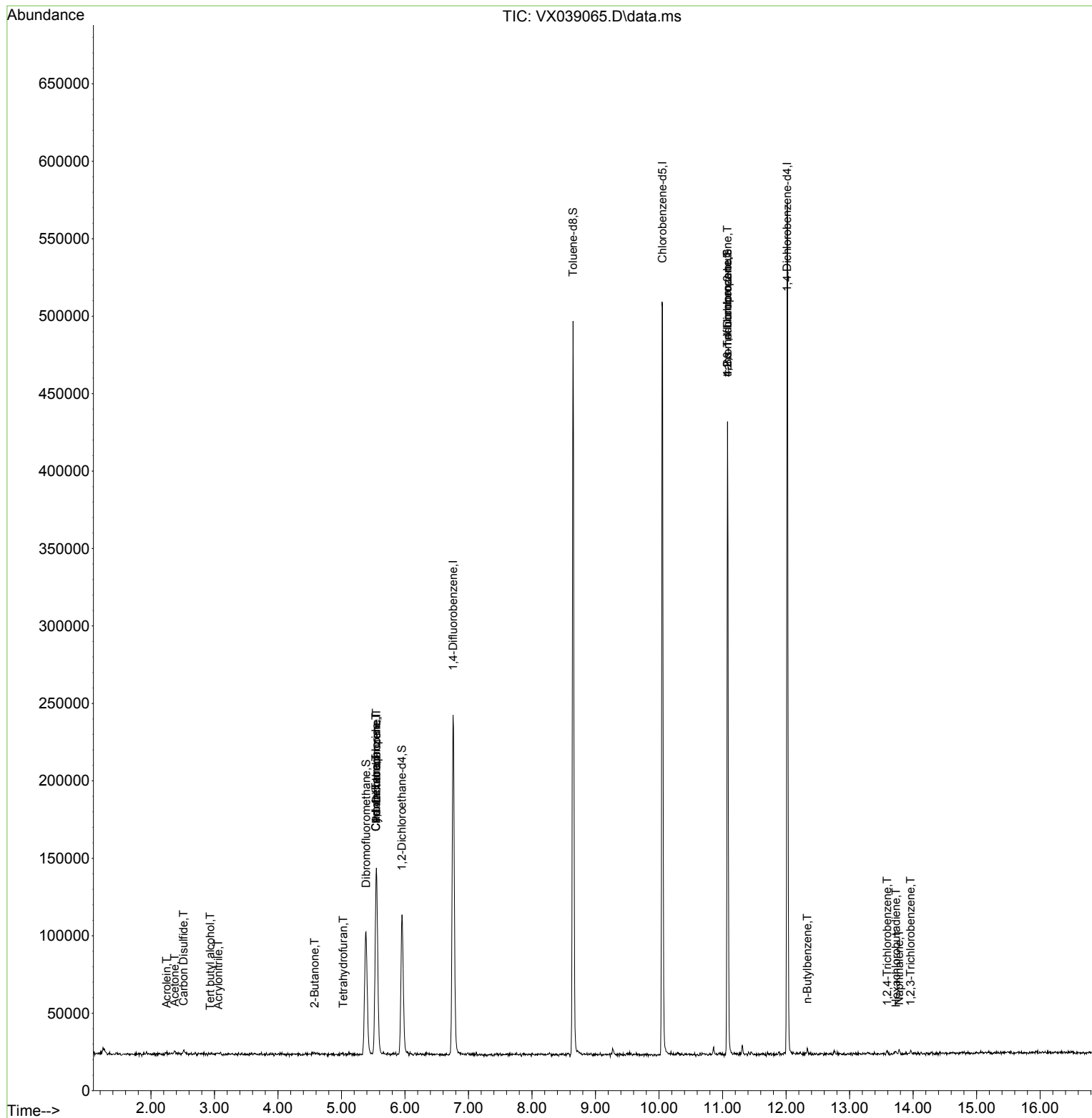
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	343	0.704	ug/l #	78
13) Acrolein	2.245	56	136	0.528	ug/l #	1
15) Acrylonitrile	3.062	53	288	0.280	ug/l #	73
16) Acetone	2.374	43	2442	2.620	ug/l #	83
17) Carbon Disulfide	2.514	76	1429	0.341	ug/l #	82
25) 2-Butanone	4.574	43	667	0.441	ug/l #	51
29) Tetrahydrofuran	5.025	42	468	0.488	ug/l #	67
31) Cyclohexane	5.544	56	2835	1.134	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	9526	4.128	ug/l #	51
38) Carbon Tetrachloride	5.544	117	11719	5.494	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	60176	22.429	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60176	49.749	ug/l #	5
89) n-Butylbenzene	12.335	91	1501	0.204	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	703	0.300	ug/l	95
94) Hexachlorobutadiene	13.731	225	352	0.424	ug/l	89
95) Naphthalene	13.780	128	2606	0.299	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	618	0.278	ug/l	89

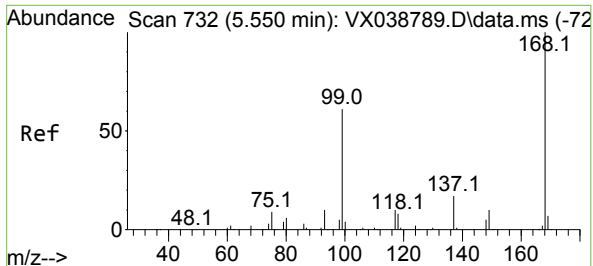
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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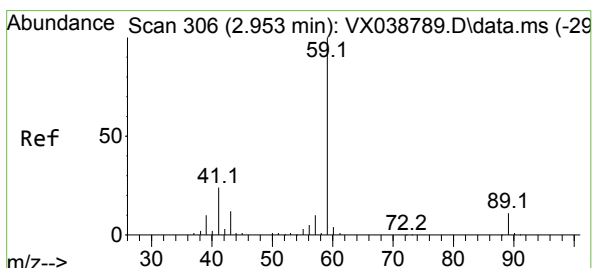
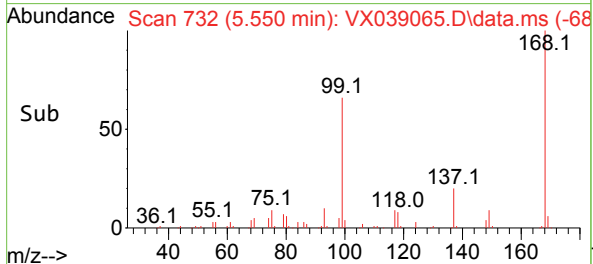
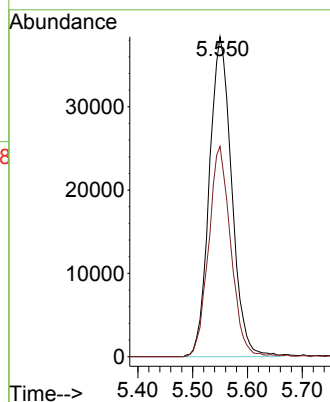
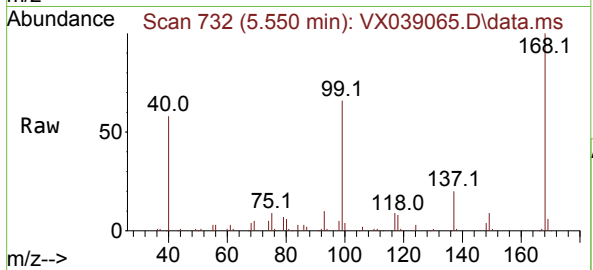




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

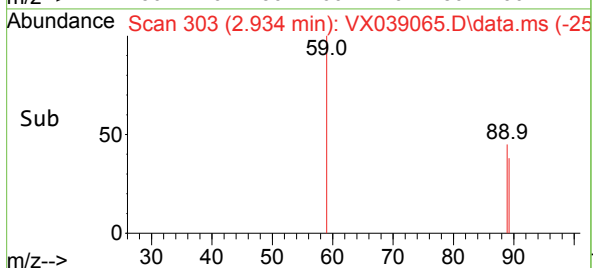
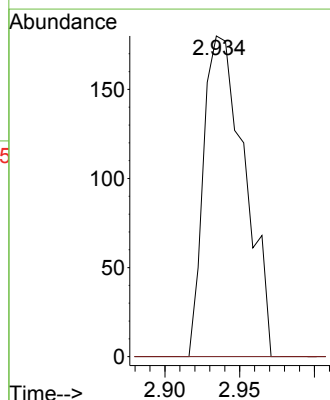
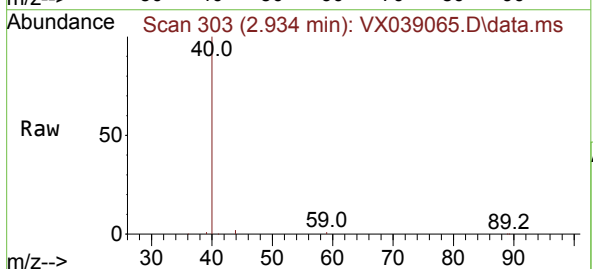
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

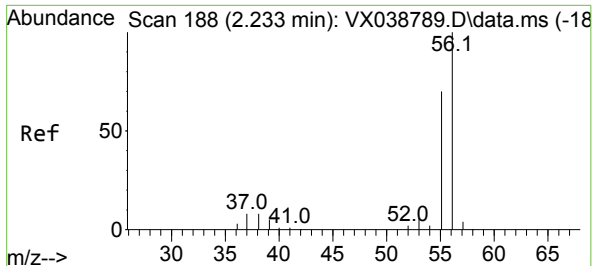
Tgt Ion:168 Resp: 108666
Ion Ratio Lower Upper
168 100
99 65.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.704 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.018 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.528 ug/l

RT: 2.245 min Scan# 188

Delta R.T. 0.012 min

Lab File: VX039065.D

Acq: 30 Nov 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

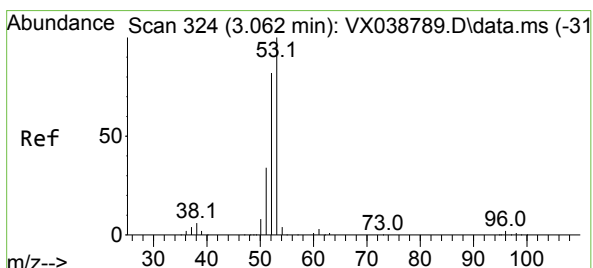
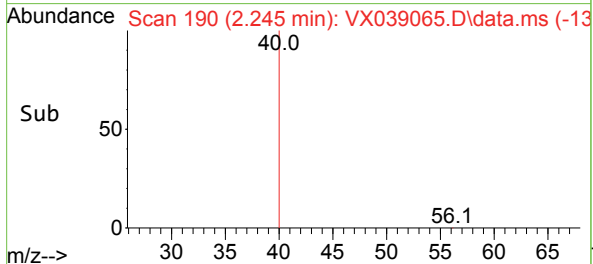
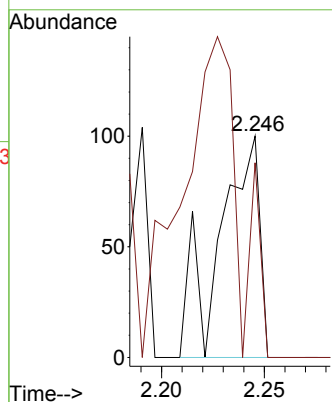
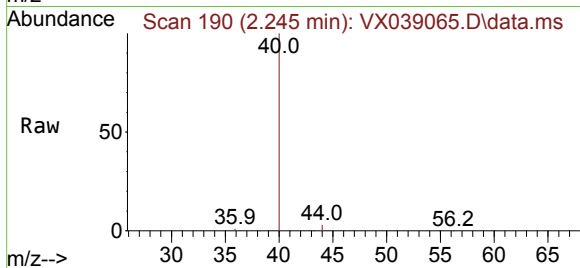
P3874-SP1

Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 205.1 57.1 85.7#



#15

Acrylonitrile

Concen: 0.280 ug/l

RT: 3.062 min Scan# 324

Delta R.T. 0.000 min

Lab File: VX039065.D

Acq: 30 Nov 2023 14:04

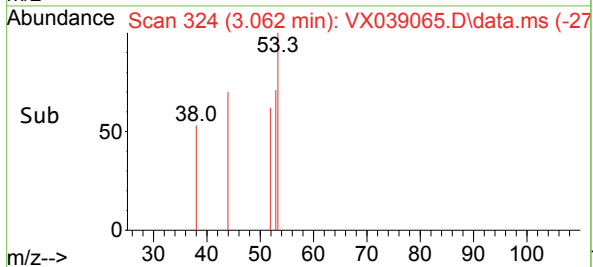
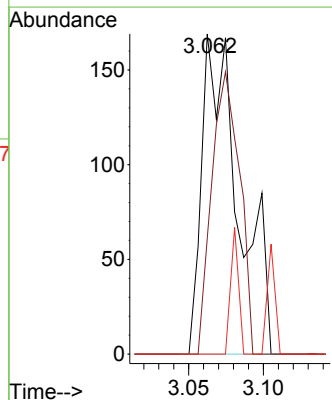
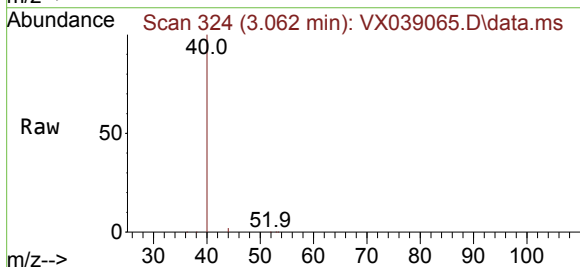
Tgt Ion: 53 Resp: 288

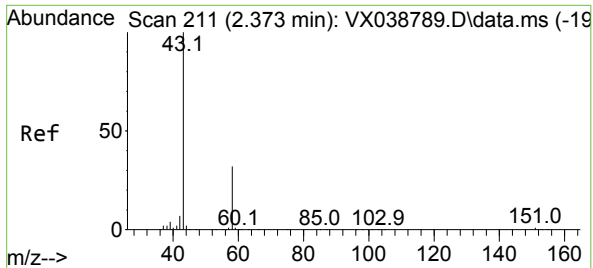
Ion Ratio Lower Upper

53 100

52 67.0 66.0 99.0

51 8.7 29.8 44.6#

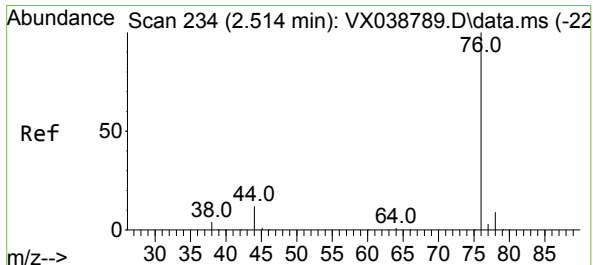
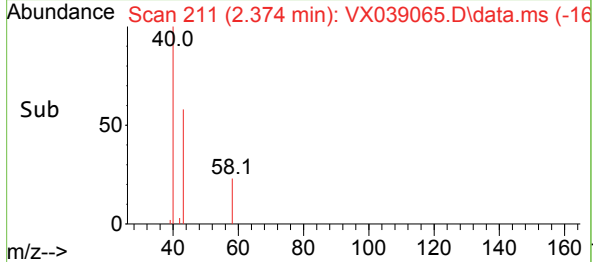
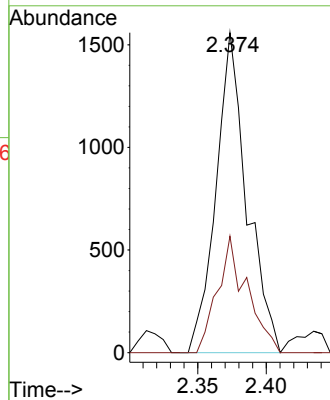
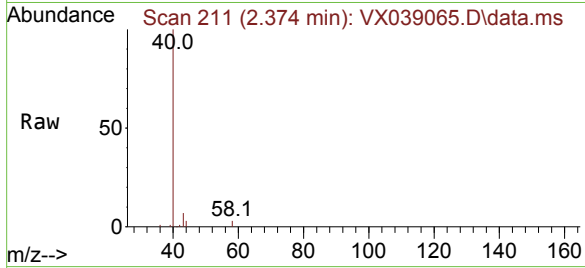




#16
Acetone
Concen: 2.620 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

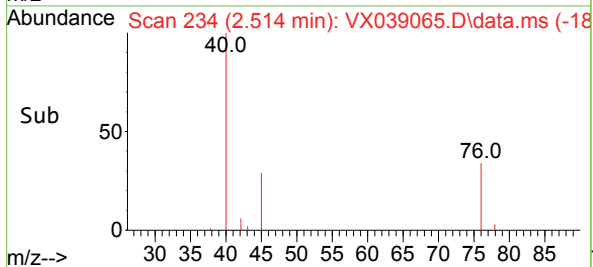
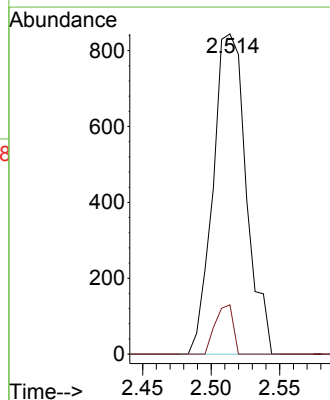
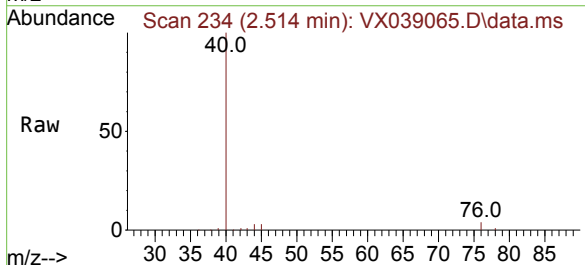
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

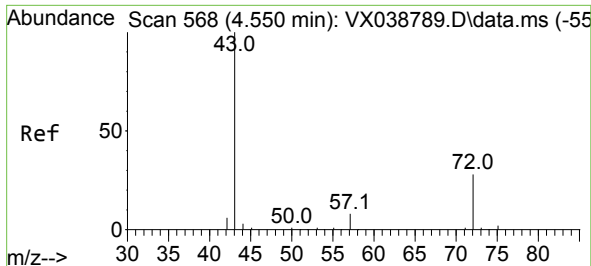
Tgt Ion: 43 Resp: 2442
Ion Ratio Lower Upper
43 100
58 36.4 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.341 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 76 Resp: 1429
Ion Ratio Lower Upper
76 100
78 15.4 7.0 10.6#

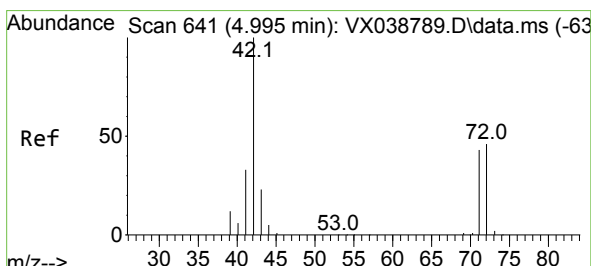
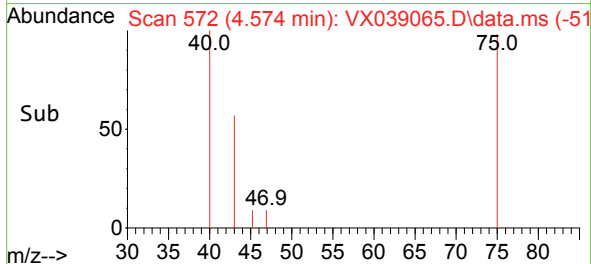
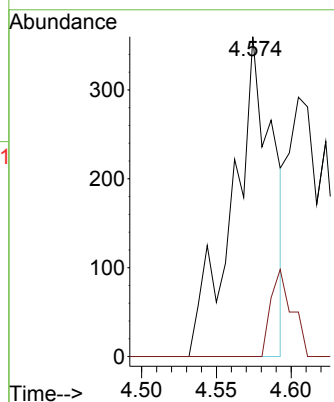
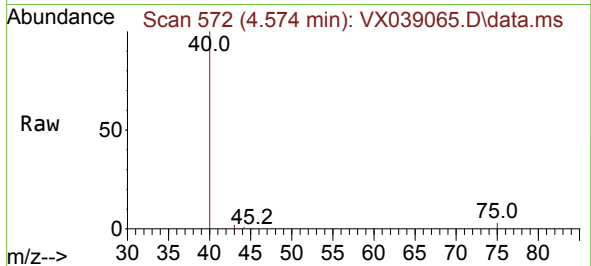




#25
2-Butanone
Concen: 0.441 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

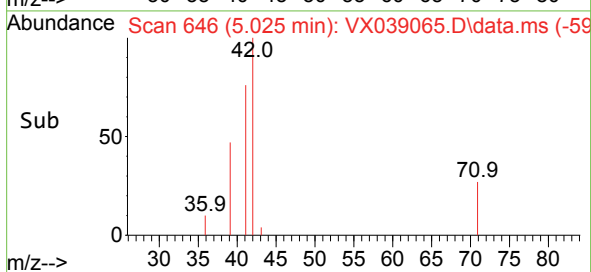
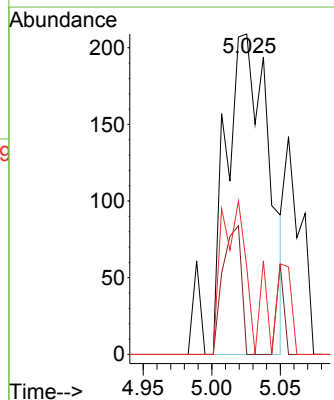
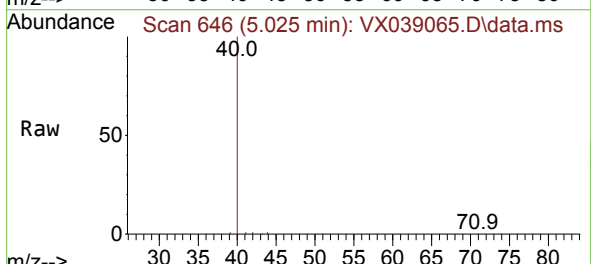
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

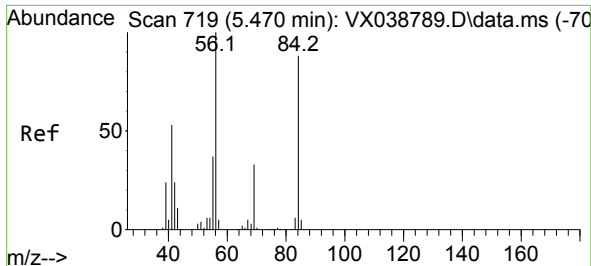
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.488 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

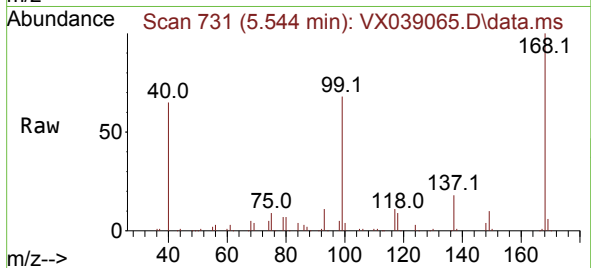
Tgt Ion: 42 Resp: 468
Ion Ratio Lower Upper
42 100
72 16.7 34.2 51.4#
71 25.0 32.2 48.2#



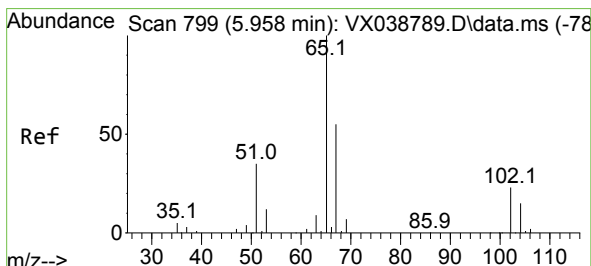
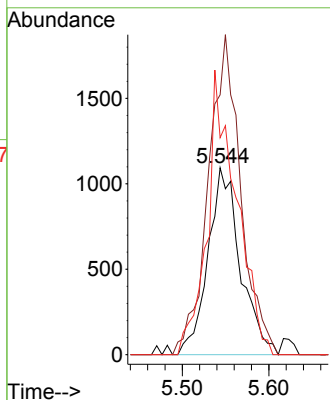
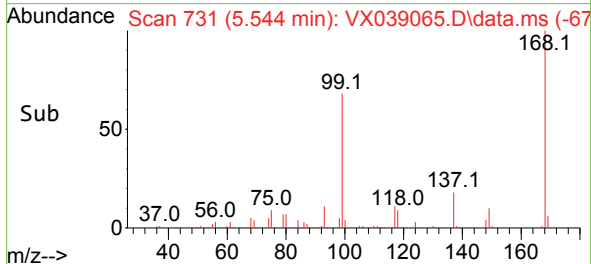


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

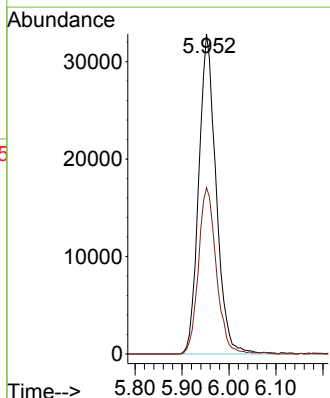
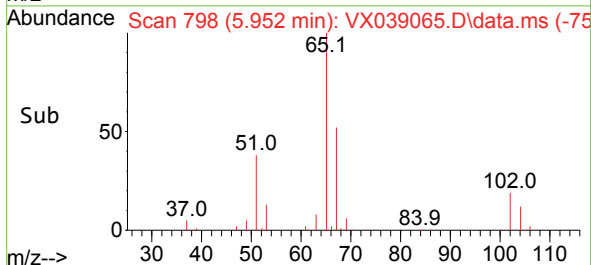
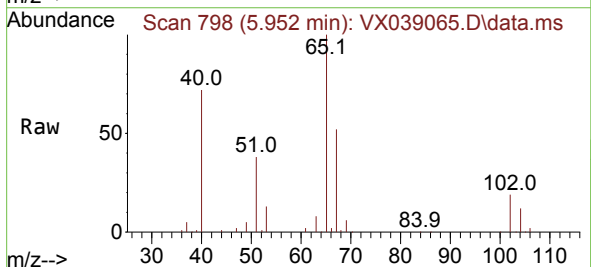


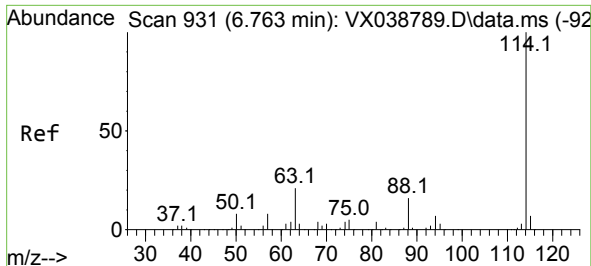
Tgt Ion: 56 Resp: 2835
Ion Ratio Lower Upper
56 100
69 139.0 23.4 35.2#
84 116.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.095 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 65 Resp: 84213
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

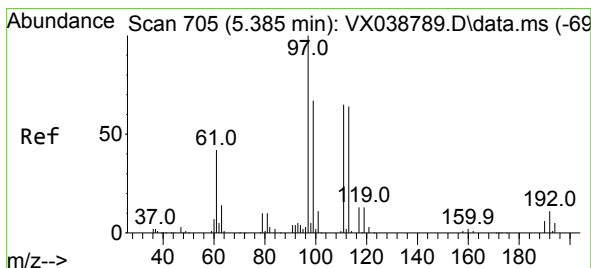
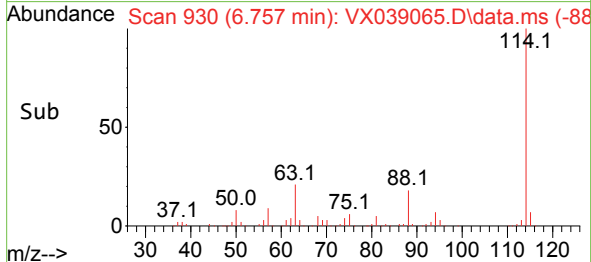
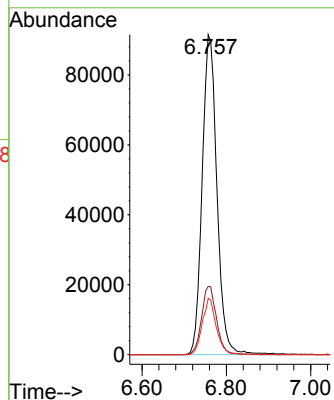
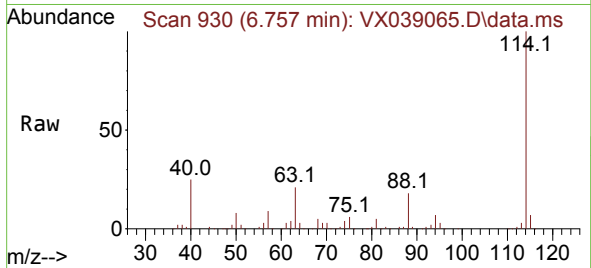




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

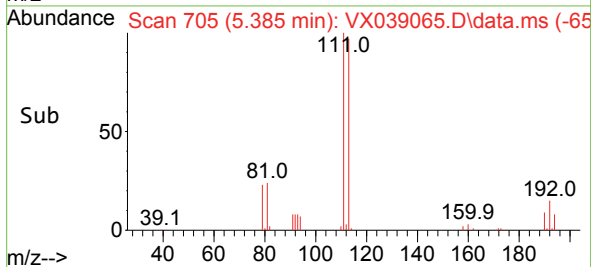
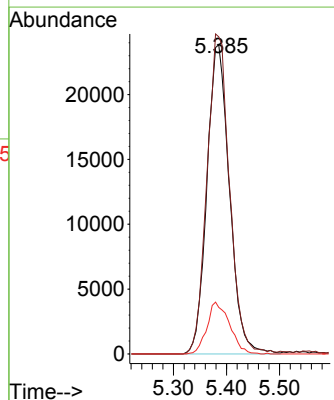
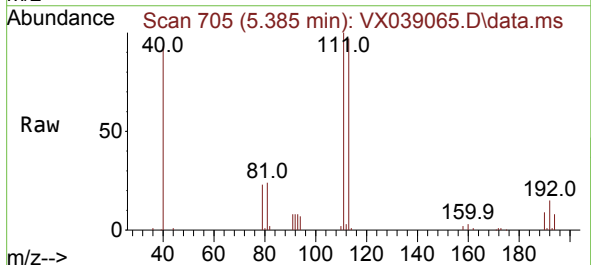
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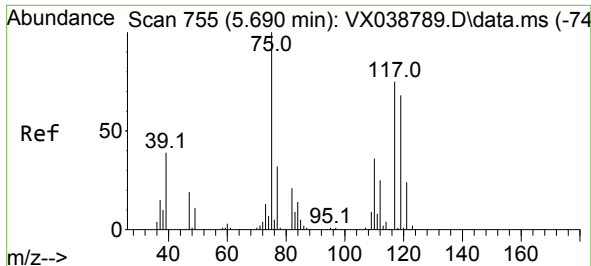
Tgt Ion:114 Resp: 222944
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.747 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion:113 Resp: 70439
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 16.8 13.3 19.9

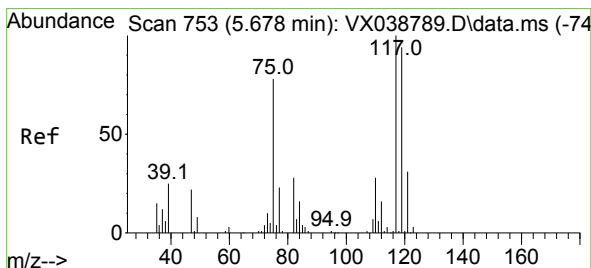
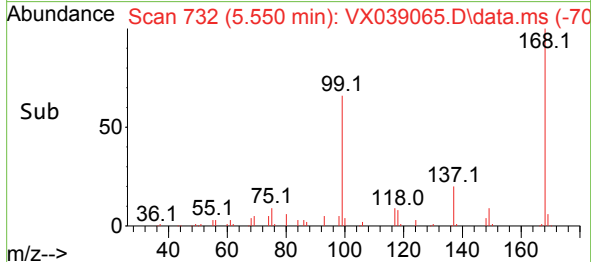
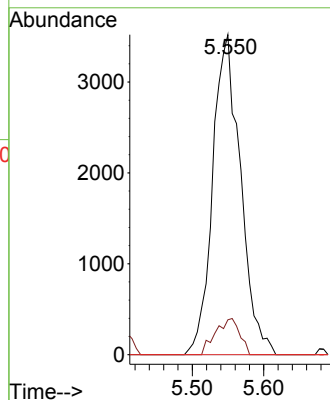
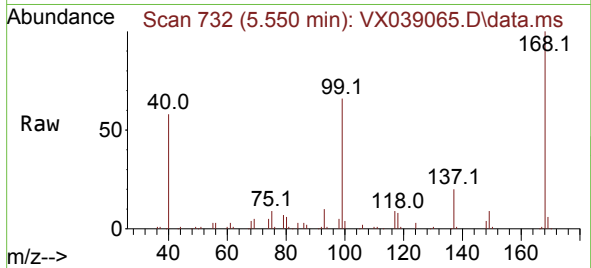




#36
1,1-Dichloropropene
Concen: 4.128 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

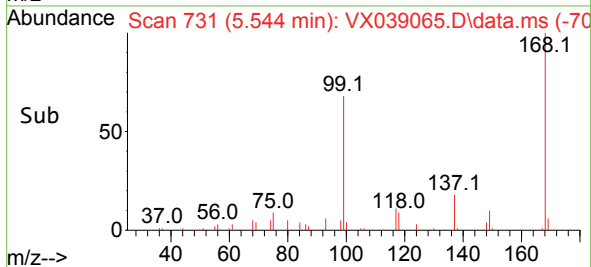
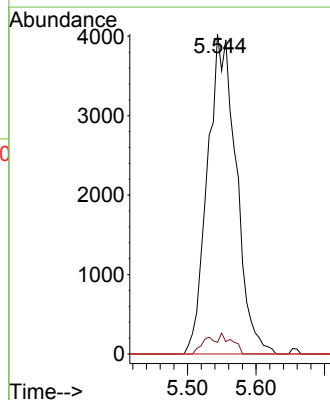
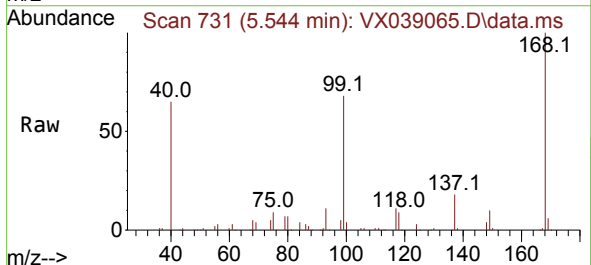
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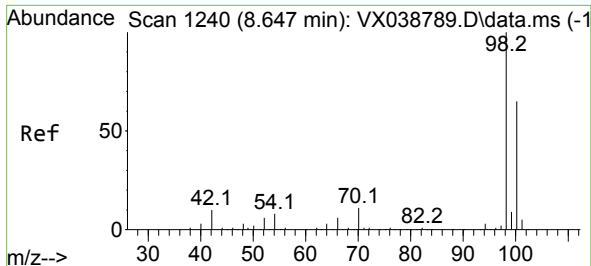
Tgt Ion: 75 Resp: 9526
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 117 Resp: 11719
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#

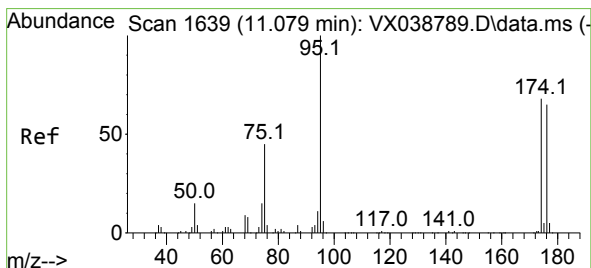
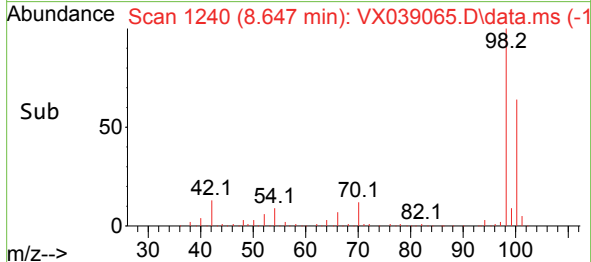
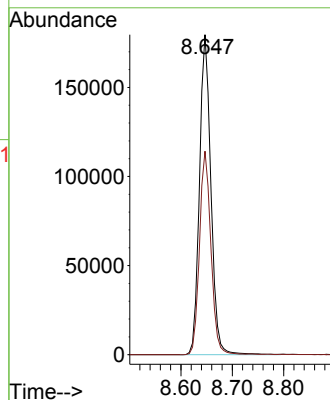
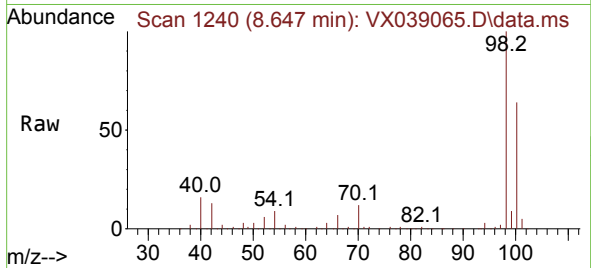




#50
Toluene-d8
Concen: 45.035 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

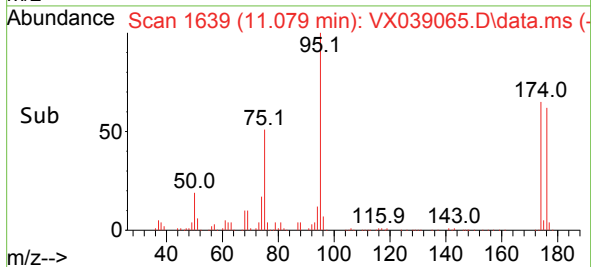
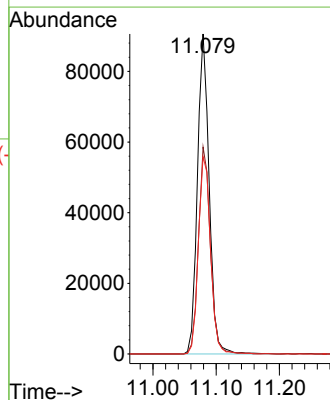
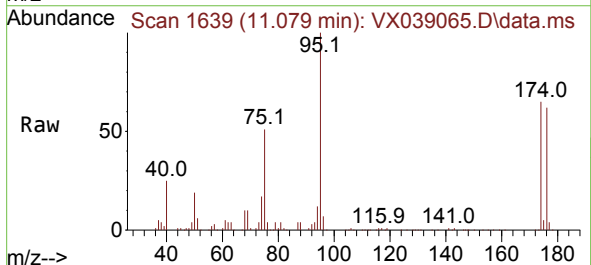
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

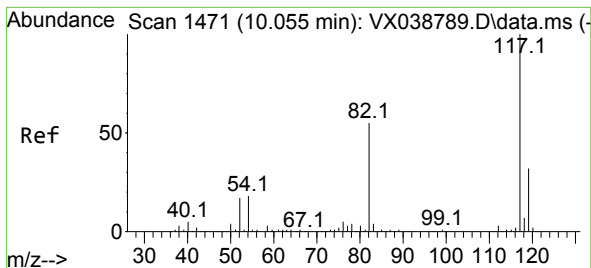
Tgt Ion: 98 Resp: 277441
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 47.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 95 Resp: 116954
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.6
176 64.1 0.0 131.0

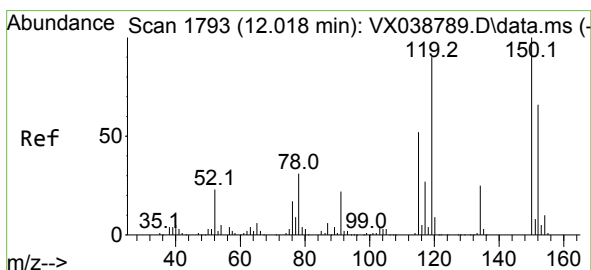
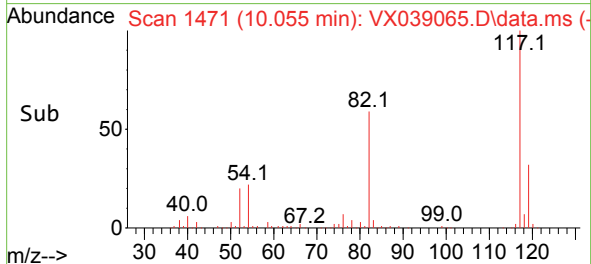
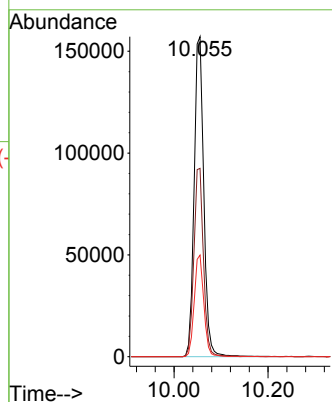
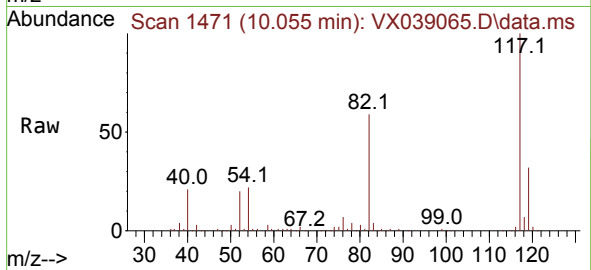




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

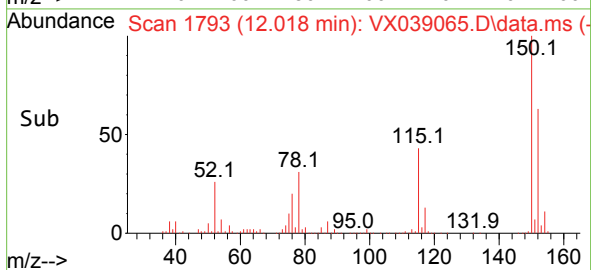
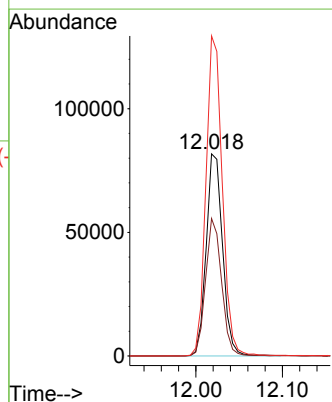
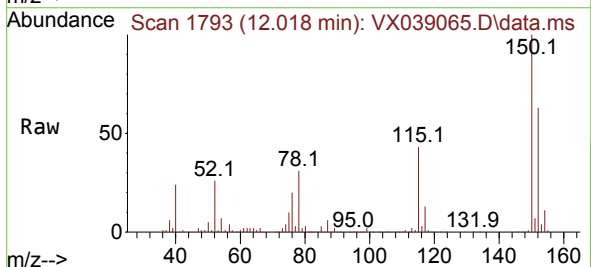
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

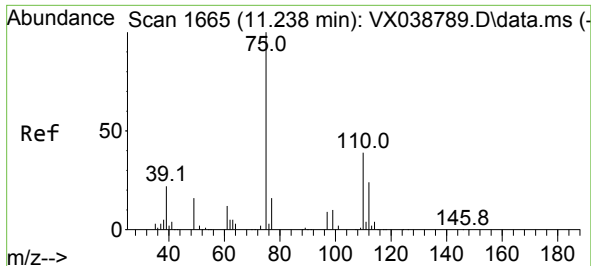
Tgt Ion:117 Resp: 225064
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion:152 Resp: 107535
Ion Ratio Lower Upper
152 100
115 66.2 43.3 129.9
150 158.2 0.0 345.0

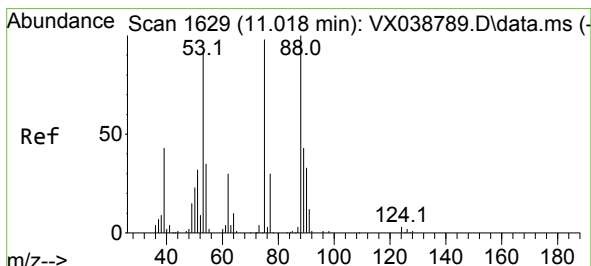
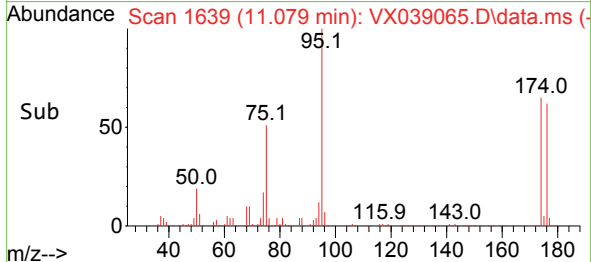
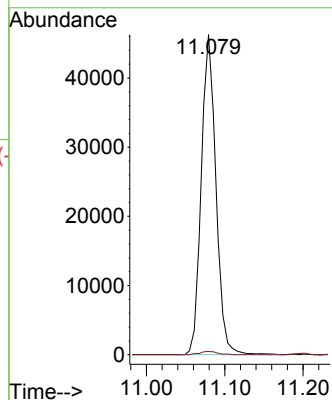
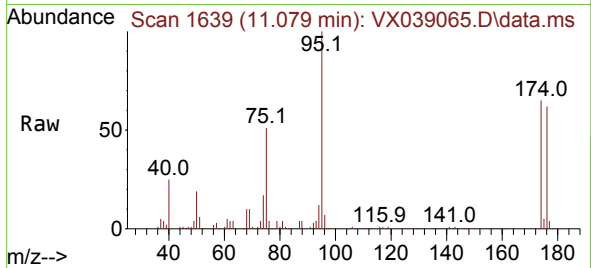




#76
1,2,3-Trichloropropane
Concen: 22.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

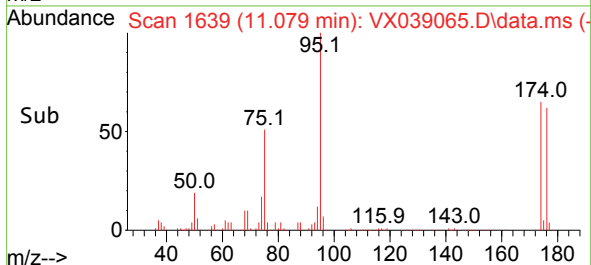
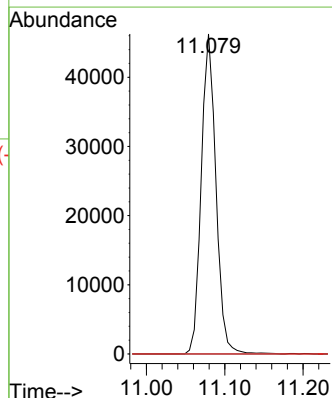
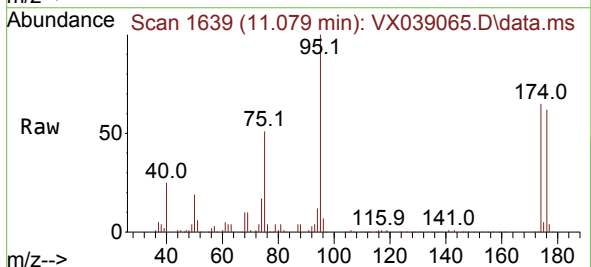
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

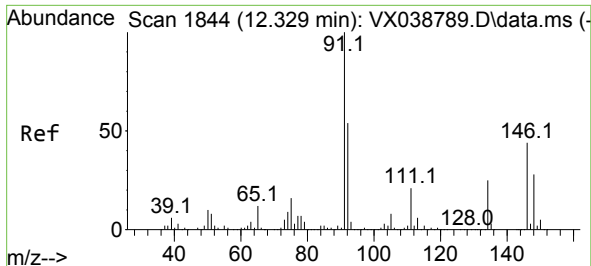
Tgt Ion: 75 Resp: 60176
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 75 Resp: 60176
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

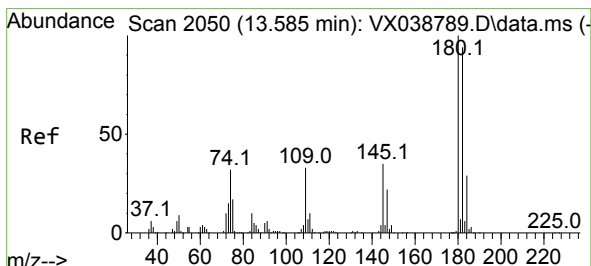
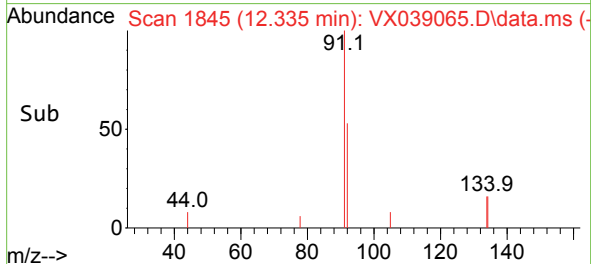
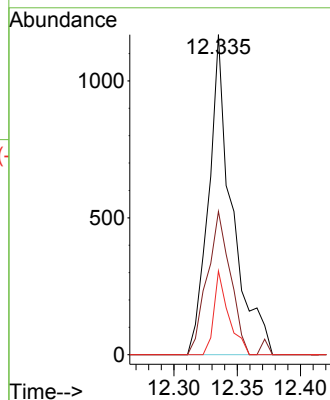
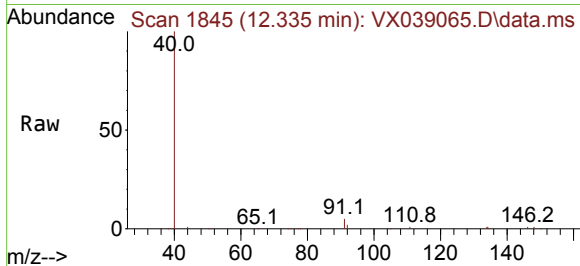




#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 12.335 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

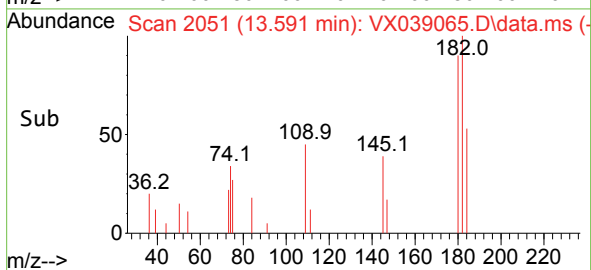
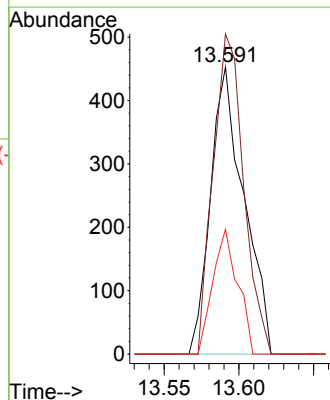
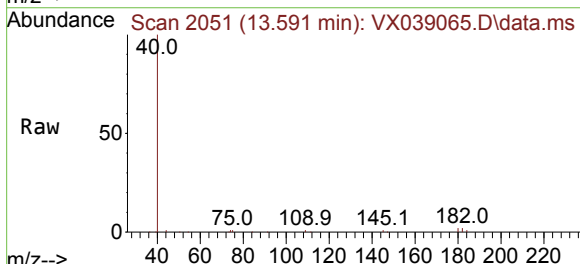
Instrument :
MSVOA_X
ClientSampleId :
P3874-SP1

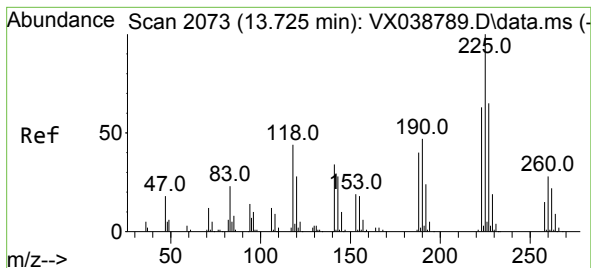
Tgt Ion: 91	Resp:	1501
Ion	Ratio	Lower Upper
91	100	
92	44.4	27.4 82.0
134	16.5	12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.300 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039065.D
Acq: 30 Nov 2023 14:04

Tgt Ion: 180	Resp:	703
Ion	Ratio	Lower Upper
180	100	
182	101.6	48.3 144.8
145	32.3	18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.424 ug/l

RT: 13.731 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX039065.D

Acq: 30 Nov 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

P3874-SP1

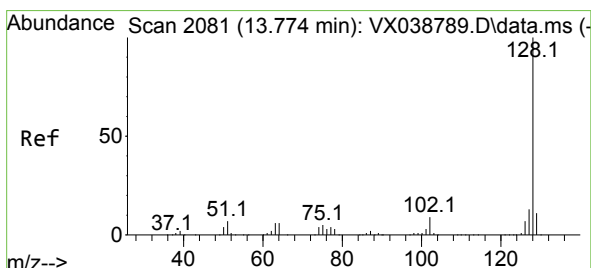
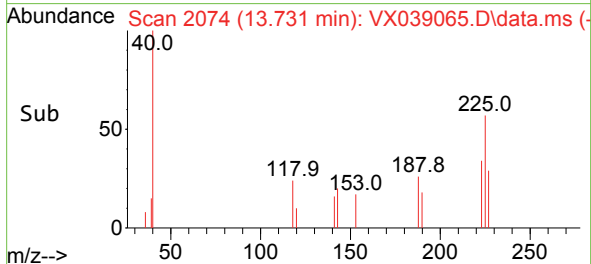
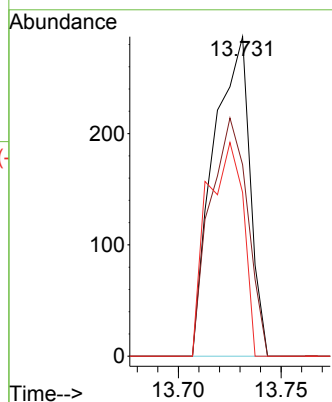
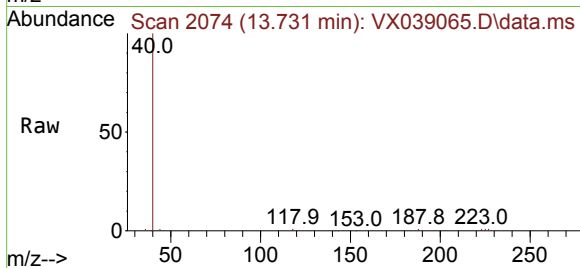
Tgt Ion:225 Resp: 352

Ion Ratio Lower Upper

225 100

223 77.0 31.1 93.2

227 66.8 32.5 97.5



#95

Naphthalene

Concen: 0.299 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX039065.D

Acq: 30 Nov 2023 14:04

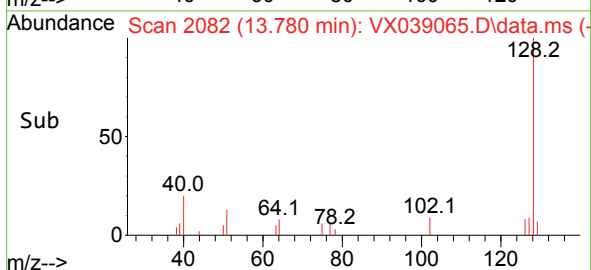
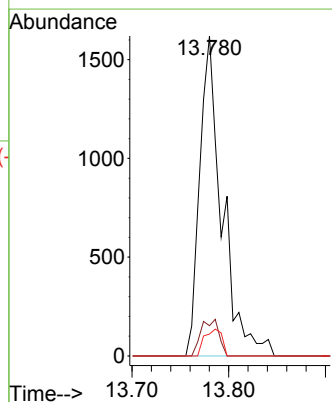
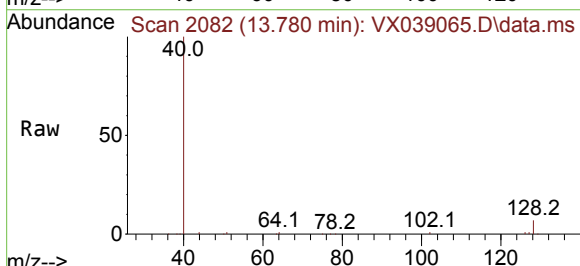
Tgt Ion:128 Resp: 2606

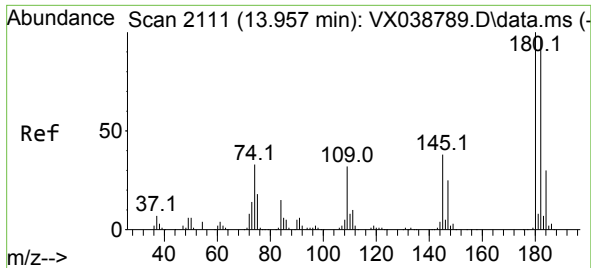
Ion Ratio Lower Upper

128 100

127 9.2 10.3 15.5#

129 6.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.278 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX039065.D
 Acq: 30 Nov 2023 14:04

Instrument :
 MSVOA_X
 ClientSampleId :
 P3874-SP1

Tgt Ion:180 Resp: 618
 Ion Ratio Lower Upper
 180 100
 182 103.1 46.9 140.6
 145 44.8 17.8 53.5

