

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053023\
 Data File : VX035908.D
 Acq On : 30 May 2023 16:01
 Operator : JC/MD
 Sample : 02952-03
 Misc : 6.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-32-G3-SO-18-051823ME

Quant Time: May 31 05:48:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

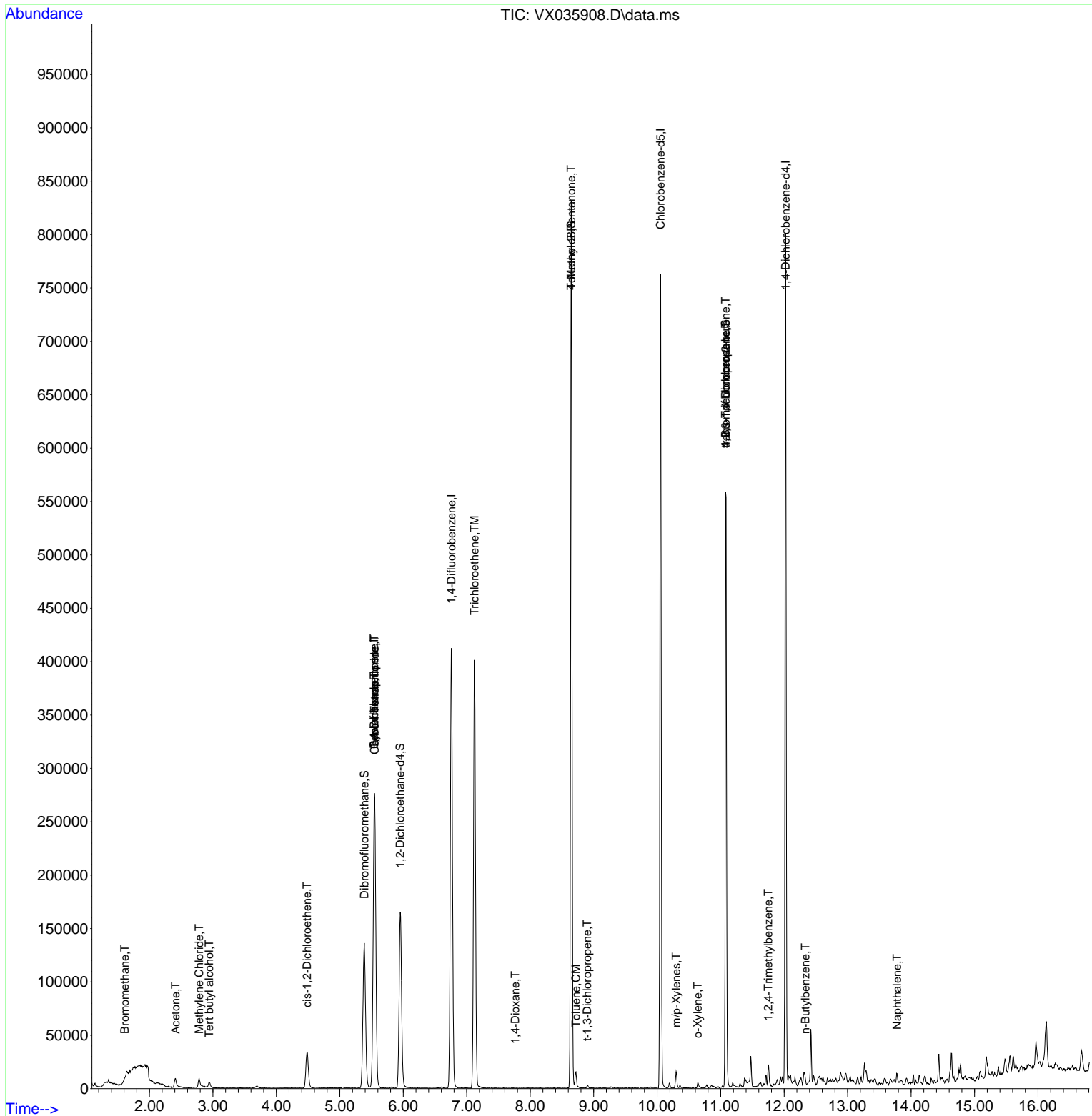
Internal Standards						
1) Pentafluorobenzene	5.544	168	244288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	401560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166225	38.290	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	76.580%#	
35) Dibromofluoromethane	5.385	113	116742	42.323	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	84.640%	
50) Toluene-d8	8.647	98	462954	45.733	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.460%#	
62) 4-Bromofluorobenzene	11.079	95	169093	42.396	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	84.800%	
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	423	0.219	ug/l #	60
11) Tert butyl alcohol	2.941	59	3416	4.519	ug/l #	78
16) Acetone	2.410	43	12422	7.088	ug/l	96
20) Methylene Chloride	2.782	84	5180	0.808	ug/l	87
27) cis-1,2-Dichloroethene	4.483	96	21649	6.294	ug/l	85
31) Cyclohexane	5.544	56	6314	1.225	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	21143	5.048	ug/l #	52
38) Carbon Tetrachloride	5.550	117	27267	6.907	ug/l #	17
44) Trichloroethene	7.123	130	150048	51.346	ug/l	97
49) 1,4-Dioxane	7.763	88	19	0.239	ug/l #	22
51) 4-Methyl-2-Pentanone	8.647	43	2477	0.548	ug/l #	1
52) Toluene	8.720	92	5768	0.783	ug/l	99
53) t-1,3-Dichloropropene	8.897	75	826	0.202	ug/l #	43
68) m/p-Xylenes	10.299	106	3649	0.740	ug/l	97
69) o-Xylene	10.640	106	1057	0.216	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	89766	22.993	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	89766	72.678	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.750	105	8348	0.771	ug/l	99
89) n-Butylbenzene	12.335	91	2151	0.226	ug/l #	82
95) Naphthalene	13.780	128	7025	0.637	ug/l	98

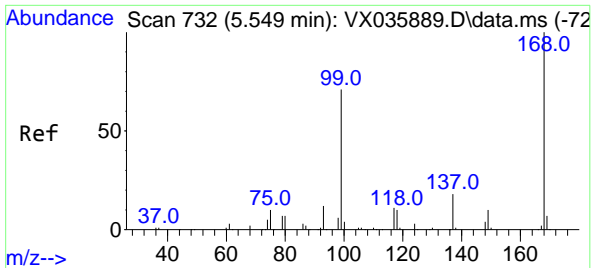
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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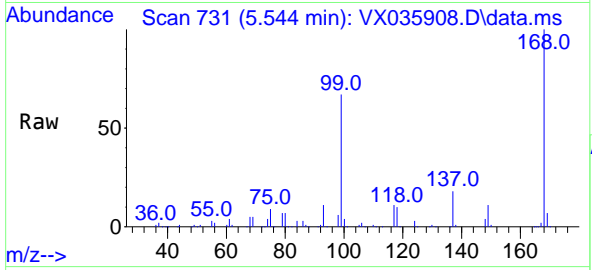
Quant Time: May 31 05:48:12 2023
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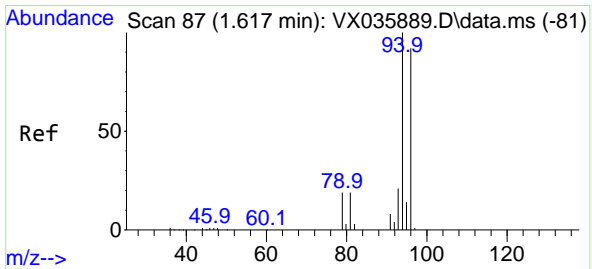
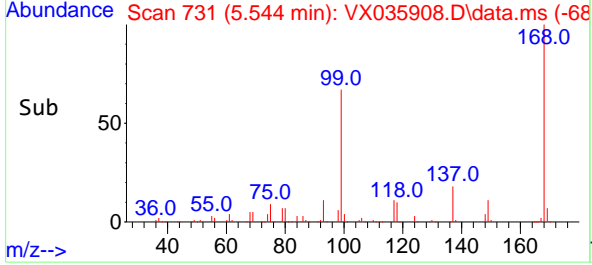
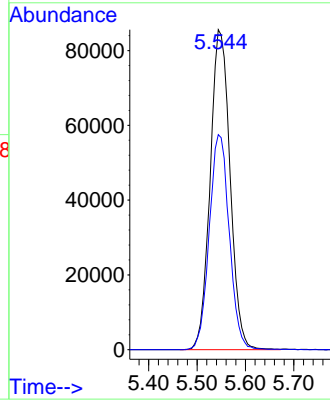


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

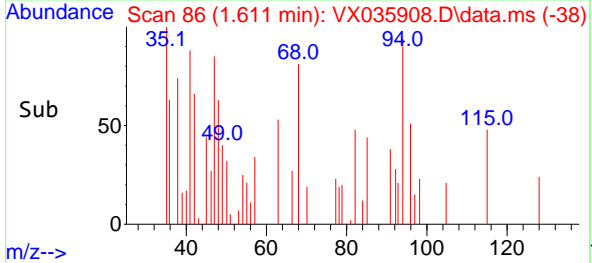
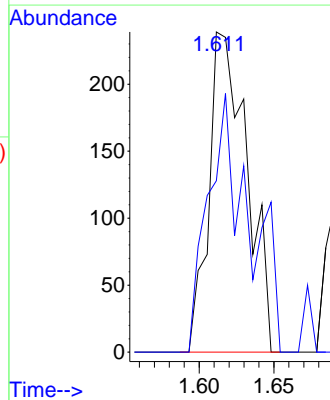
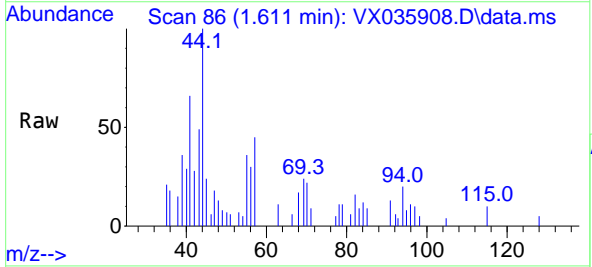


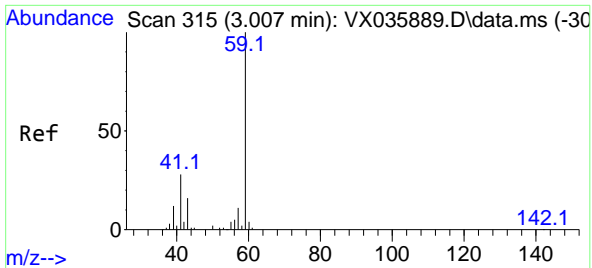
Tgt Ion:168 Resp: 244288
 Ion Ratio Lower Upper
 168 100
 99 67.2 57.0 85.6



#5
 Bromomethane
 Concen: 0.219 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. -0.006 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Tgt Ion: 94 Resp: 423
 Ion Ratio Lower Upper
 94 100
 96 53.6 73.5 110.3#

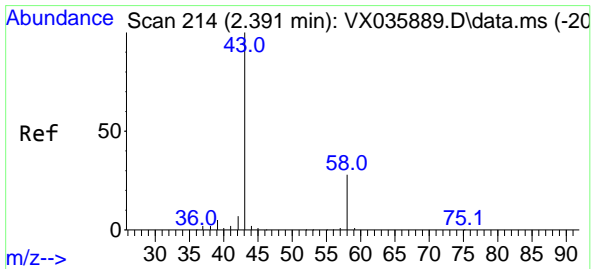
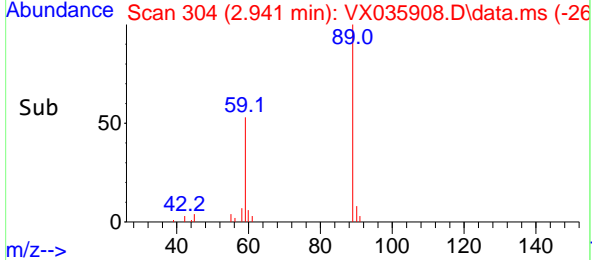
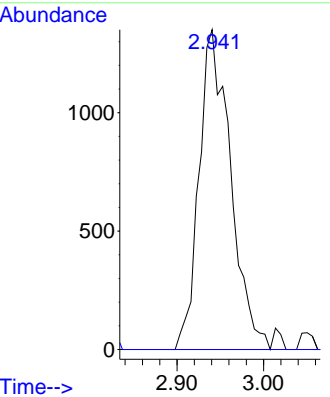
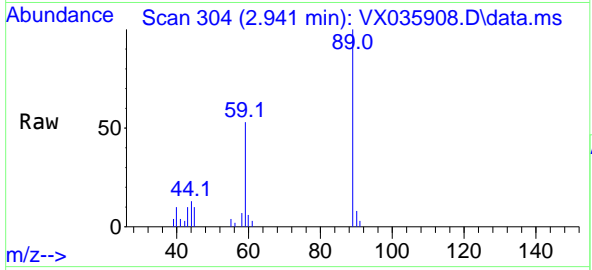




#11
 Tert butyl alcohol
 Concen: 4.519 ug/l
 RT: 2.941 min Scan# 304
 Delta R.T. -0.067 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

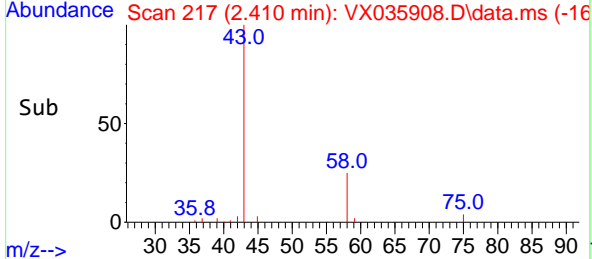
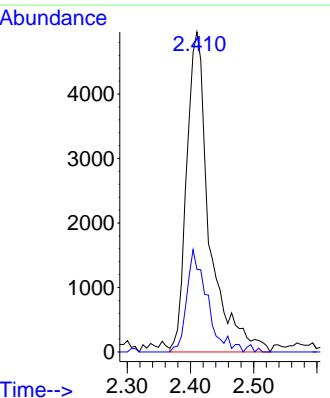
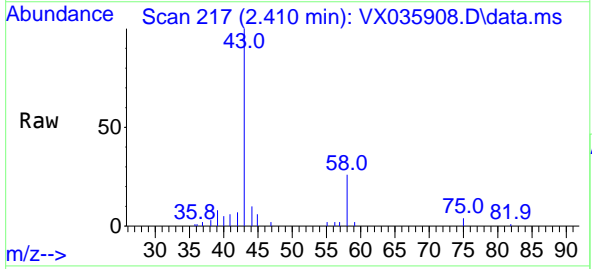
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

Tgt Ion: 59 Resp: 3416
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

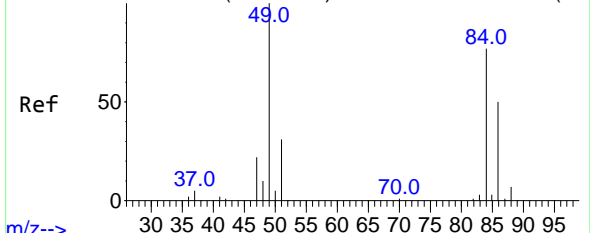


#16
 Acetone
 Concen: 7.088 ug/l
 RT: 2.410 min Scan# 217
 Delta R.T. 0.019 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Tgt Ion: 43 Resp: 12422
 Ion Ratio Lower Upper
 43 100
 58 25.8 22.2 33.2



Abundance Scan 279 (2.788 min): VX035889.D\data.ms (-27



#20

Methylene Chloride

Concen: 0.808 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX035908.D

Acq: 30 May 2023 16:01

Instrument :

MSVOA_X

ClientSampleId :

CB-32-G3-SO-18-051823ME

Tgt Ion: 84 Resp: 5180

Ion Ratio Lower Upper

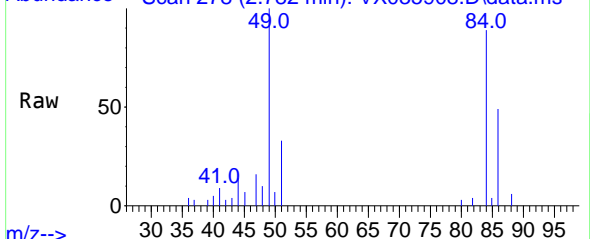
84 100

49 112.9 104.6 156.8

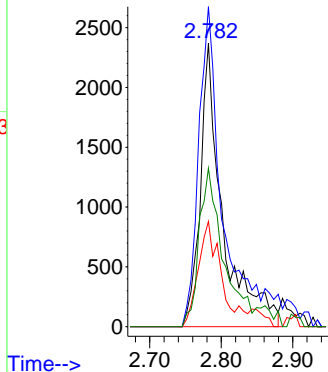
51 37.1 32.2 48.4

86 55.9 52.4 78.6

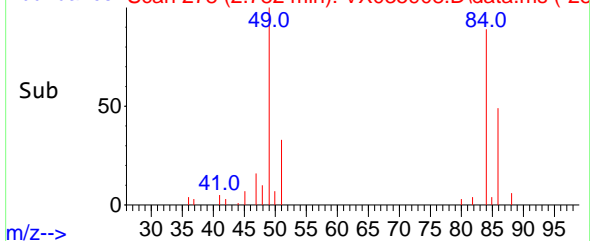
Abundance Scan 278 (2.782 min): VX035908.D\data.ms



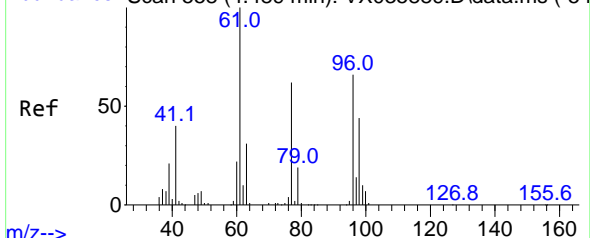
Abundance



Abundance Scan 278 (2.782 min): VX035908.D\data.ms (-23



Abundance Scan 558 (4.489 min): VX035889.D\data.ms (-54



#27

cis-1,2-Dichloroethene

Concen: 6.294 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX035908.D

Acq: 30 May 2023 16:01

Tgt Ion: 96 Resp: 21649

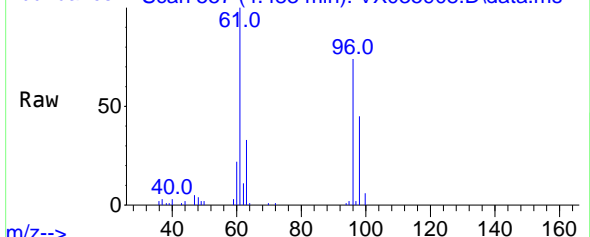
Ion Ratio Lower Upper

96 100

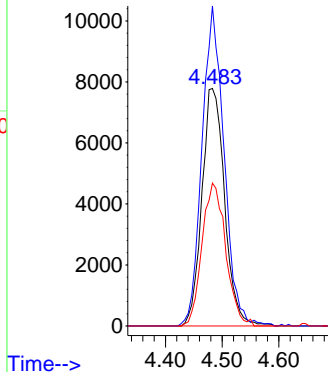
61 130.9 0.0 312.6

98 62.7 0.0 130.0

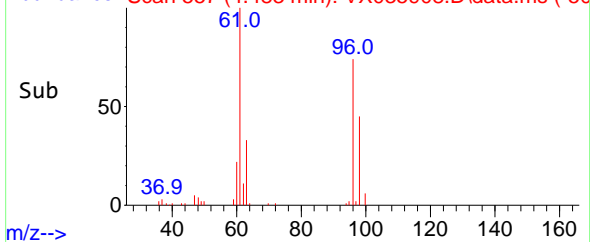
Abundance Scan 557 (4.483 min): VX035908.D\data.ms

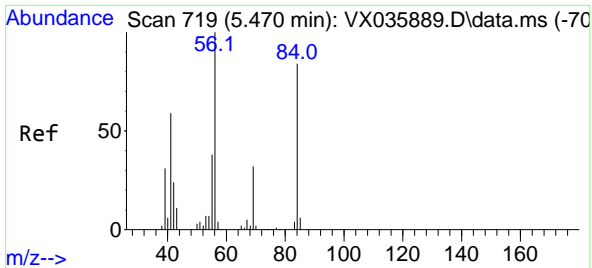


Abundance



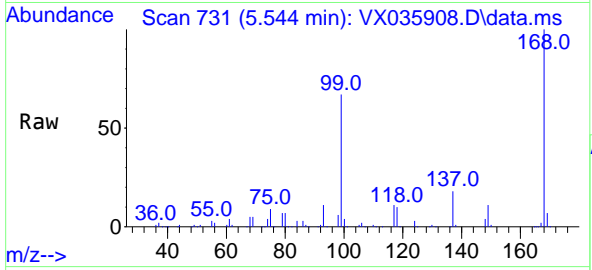
Abundance Scan 557 (4.483 min): VX035908.D\data.ms (-50



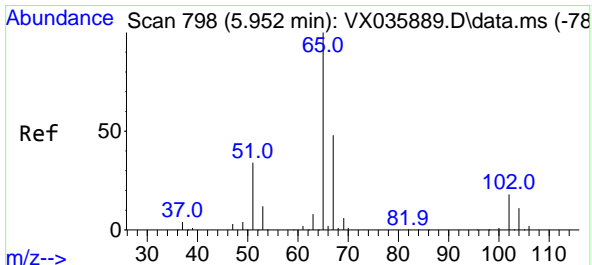
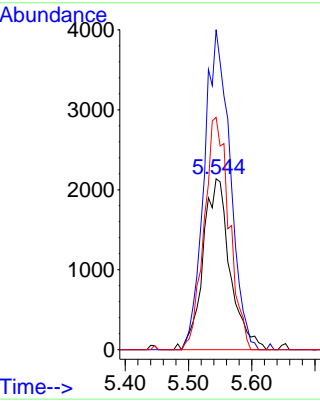
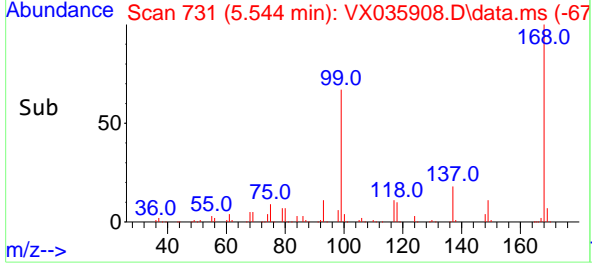


#31
 Cyclohexane
 Concen: 1.225 ug/l
 RT: 5.544 min Scan# 719
 Delta R.T. 0.074 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

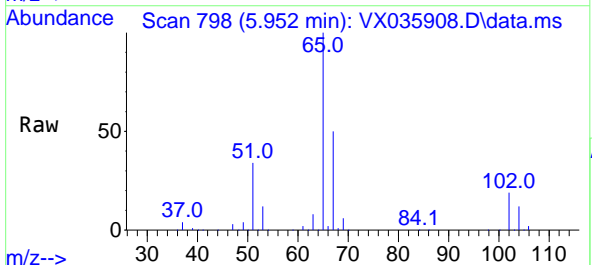
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME



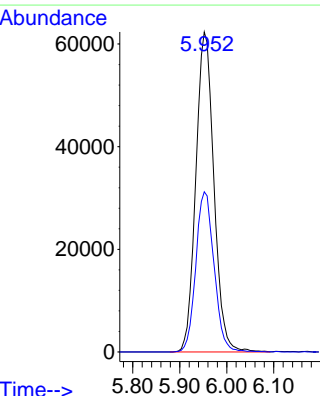
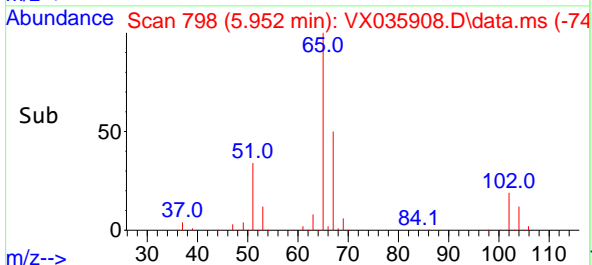
Tgt Ion: 56 Resp: 6314
 Ion Ratio Lower Upper
 56 100
 69 187.3 25.9 38.9#
 84 136.0 67.6 101.4#

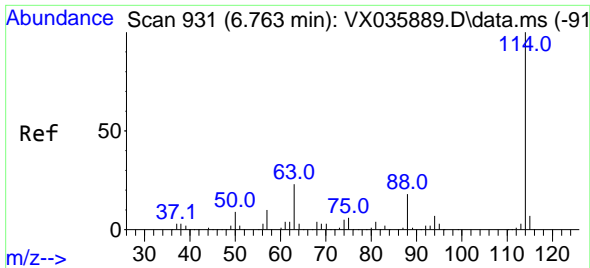


#33
 1,2-Dichloroethane-d4
 Concen: 38.290 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01



Tgt Ion: 65 Resp: 166225
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.6

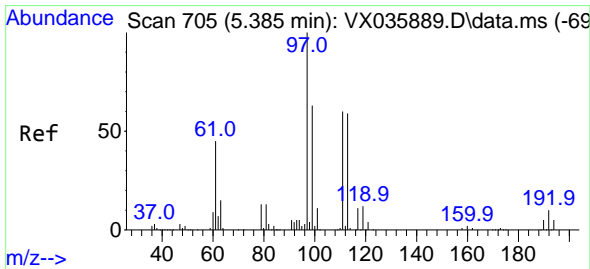
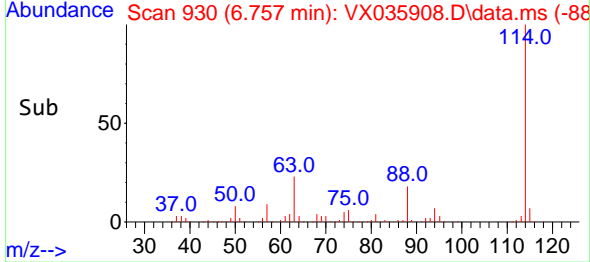
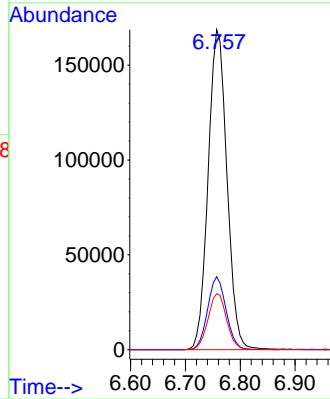
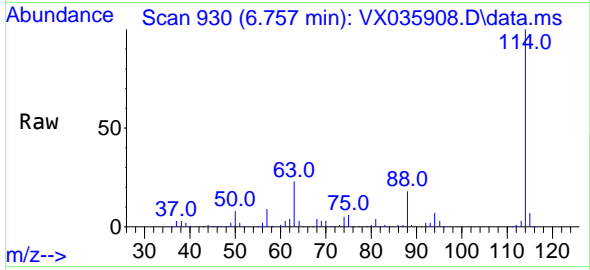




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

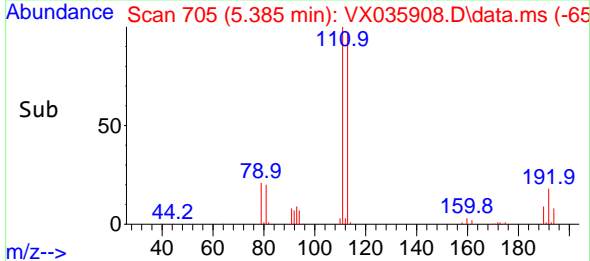
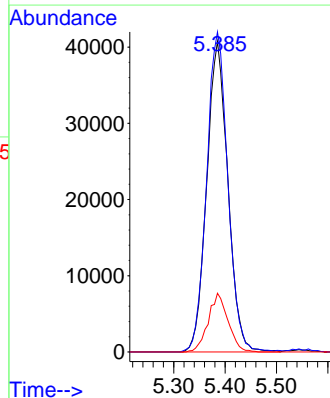
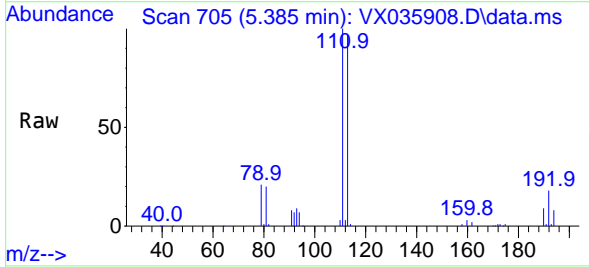
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

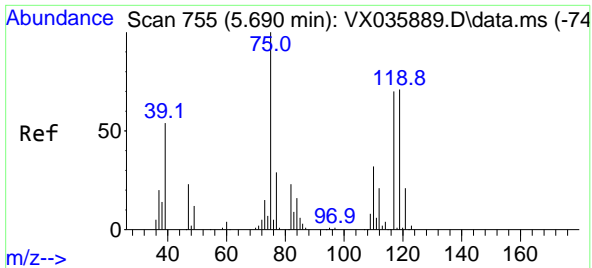
Tgt Ion:114 Resp: 401560
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.0
 88 17.5 0.0 35.2



#35
 Dibromofluoromethane
 Concen: 42.323 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Tgt Ion:113 Resp: 116742
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.7 122.5
 192 17.6 13.5 20.3



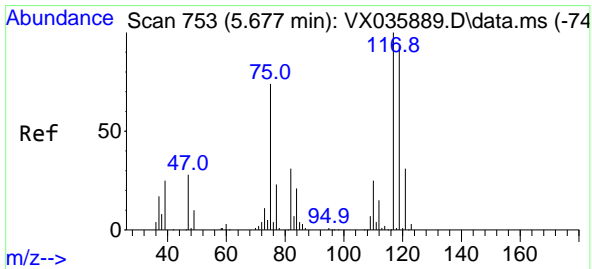
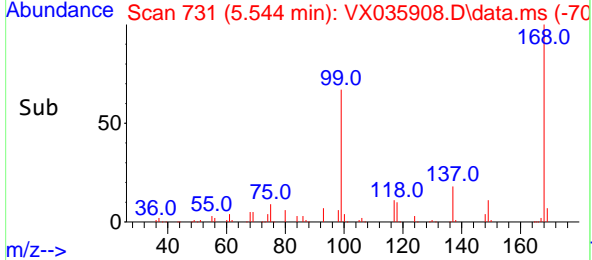
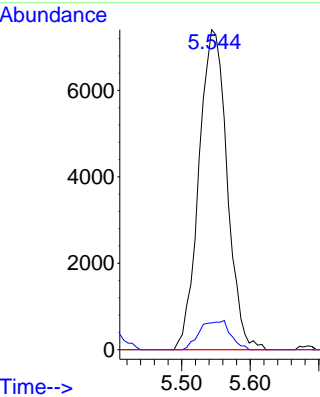
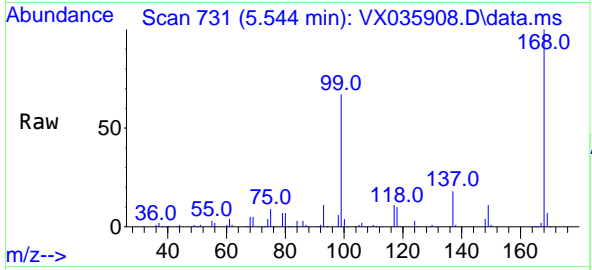


#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 5.544 min Scan# 711
 Delta R.T. -0.146 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

Tgt Ion: 75 Resp: 21143

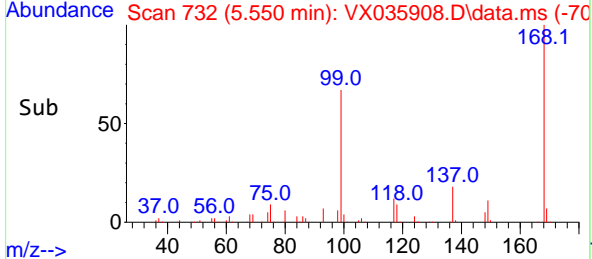
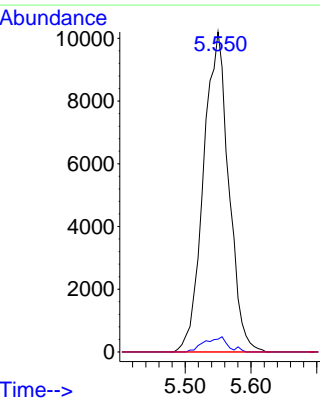
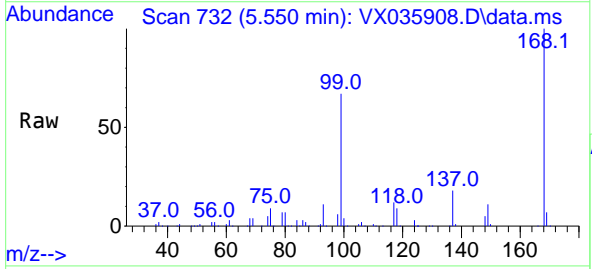
Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.6	49.7#
77	0.0	24.4	36.6#

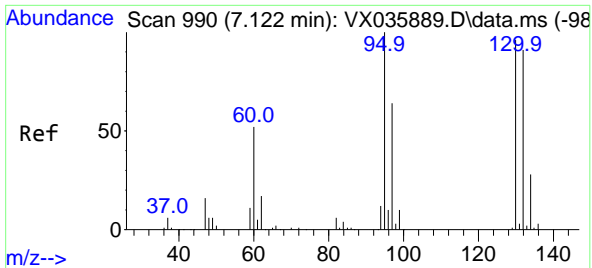


#38
 Carbon Tetrachloride
 Concen: 6.907 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.128 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Tgt Ion: 117 Resp: 27267

Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.1	111.1#
121	0.0	25.0	37.4#

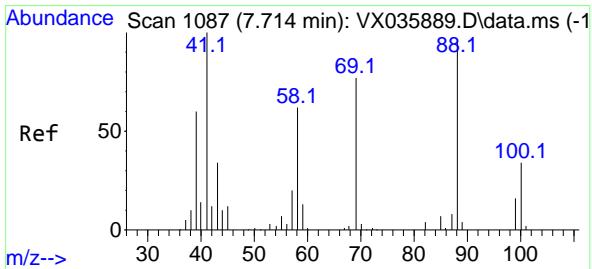
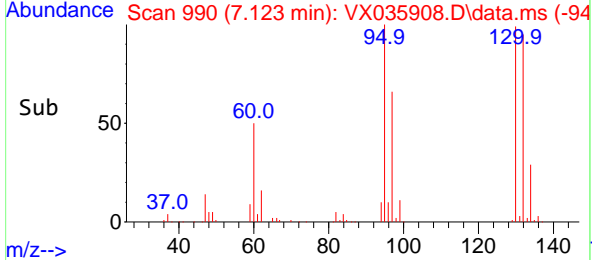
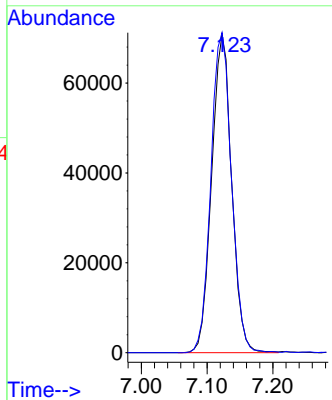
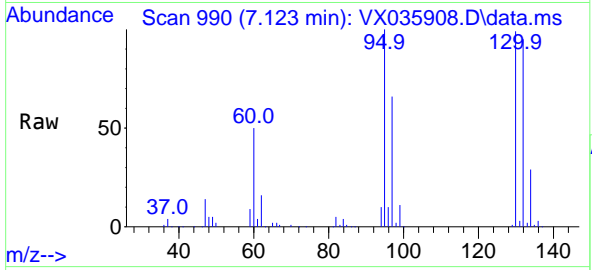




#44
 Trichloroethene
 Concen: 51.346 ug/l
 RT: 7.123 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

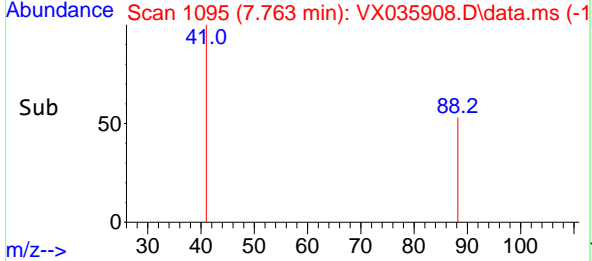
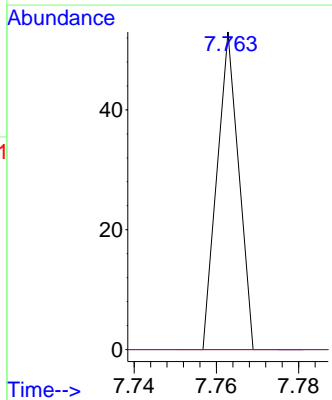
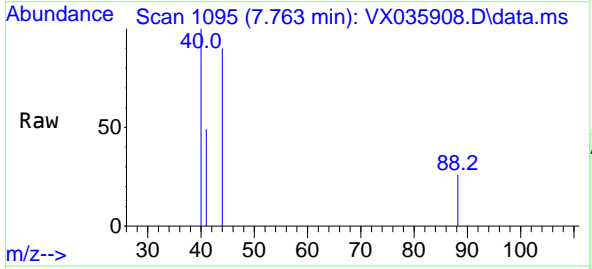
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

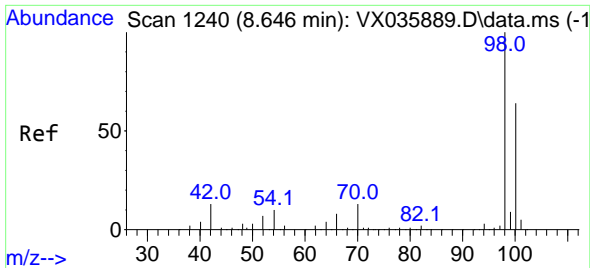
Tgt Ion:130 Resp: 150048
 Ion Ratio Lower Upper
 130 100
 95 100.6 0.0 207.6



#49
 1,4-Dioxane
 Concen: 0.239 ug/l
 RT: 7.763 min Scan# 1095
 Delta R.T. 0.049 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.4 41.0#
 58 0.0 58.9 88.3#

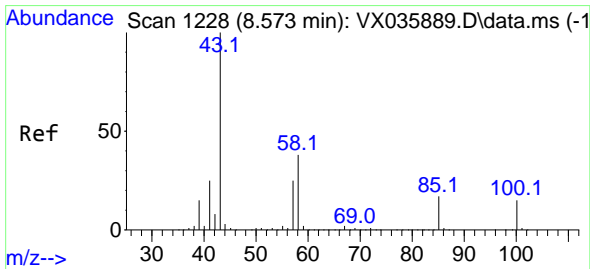
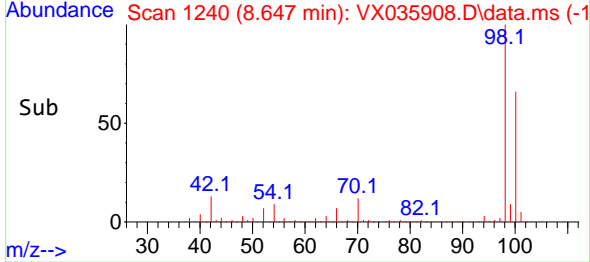
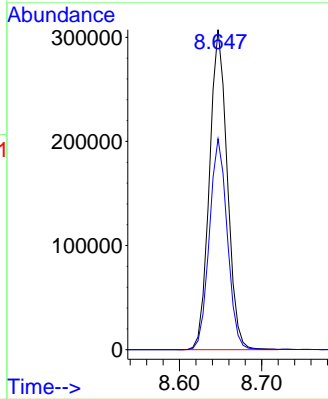
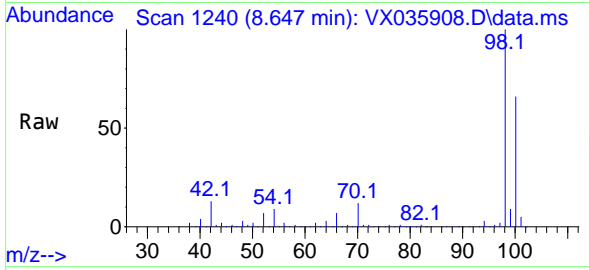




#50
 Toluene-d8
 Concen: 45.733 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

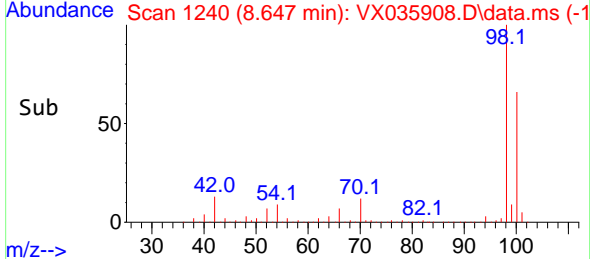
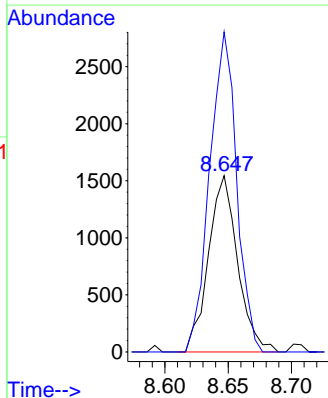
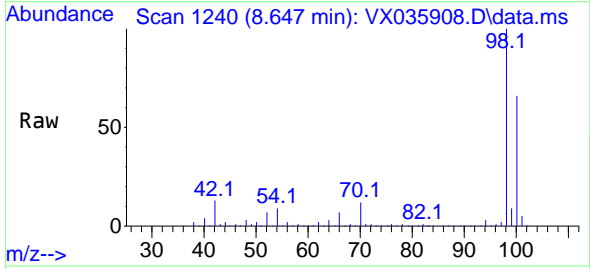
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

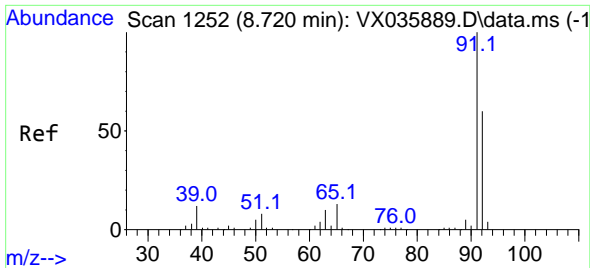
Tgt Ion: 98 Resp: 462954
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.4 80.0



#51
 4-Methyl-2-Pentanone
 Concen: 0.548 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.074 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

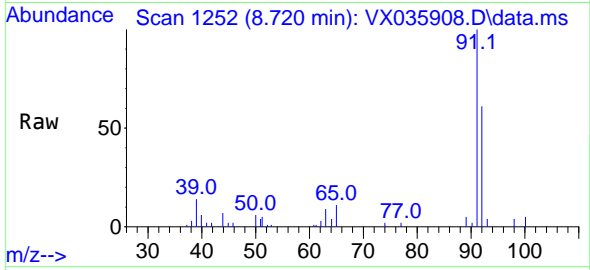
Tgt Ion: 43 Resp: 2477
 Ion Ratio Lower Upper
 43 100
 58 167.7 30.1 45.1#



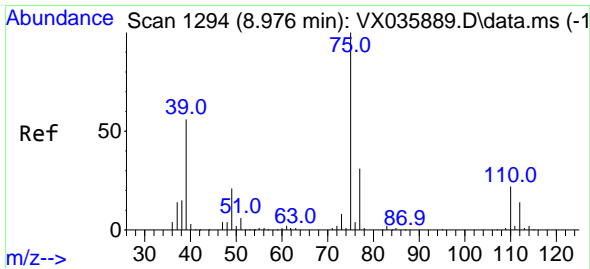
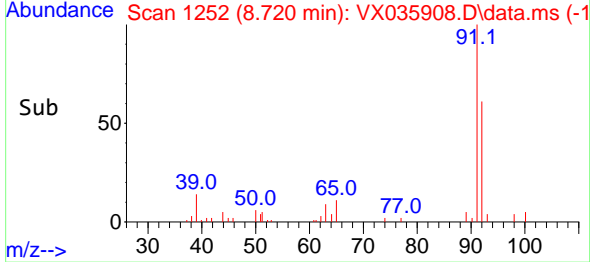
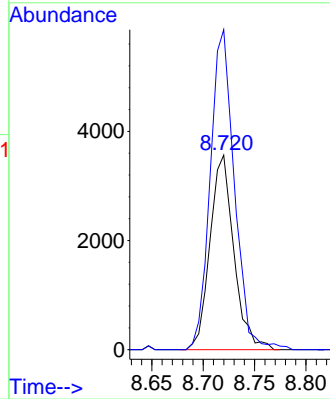


#52
 Toluene
 Concen: 0.783 ug/l
 RT: 8.720 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

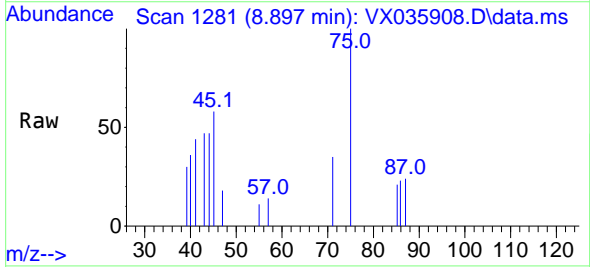
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME



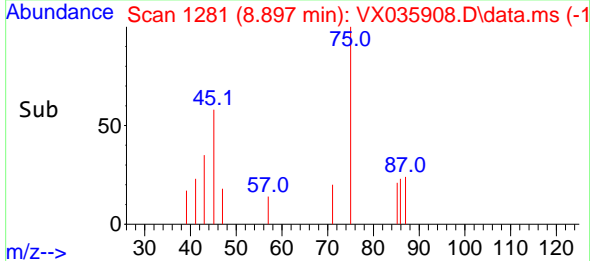
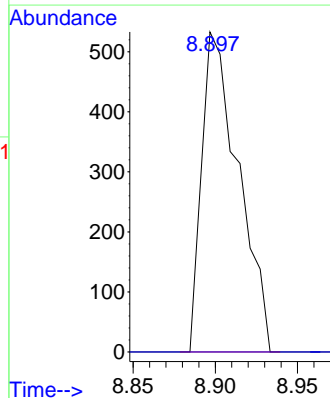
Tgt Ion: 92 Resp: 5768
 Ion Ratio Lower Upper
 92 100
 91 165.8 133.5 200.3

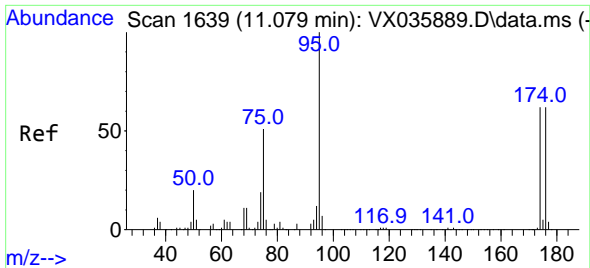


#53
 t-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 8.897 min Scan# 1281
 Delta R.T. -0.079 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01



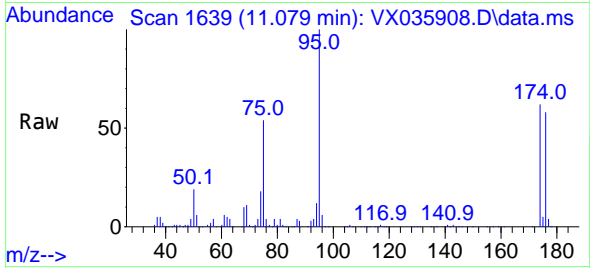
Tgt Ion: 75 Resp: 826
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#



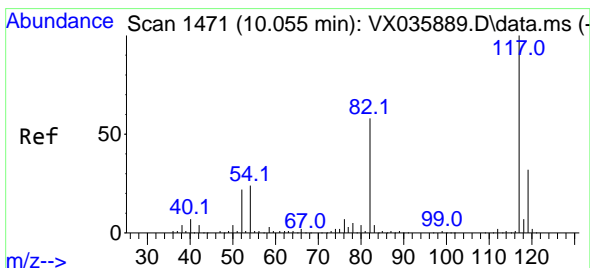
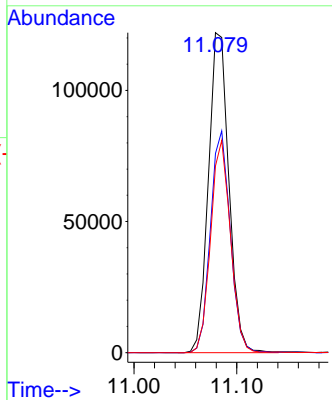
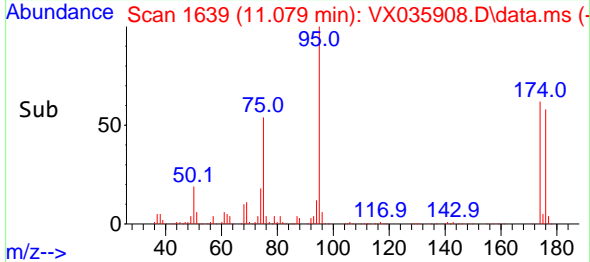


#62
 4-Bromofluorobenzene
 Concen: 42.396 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

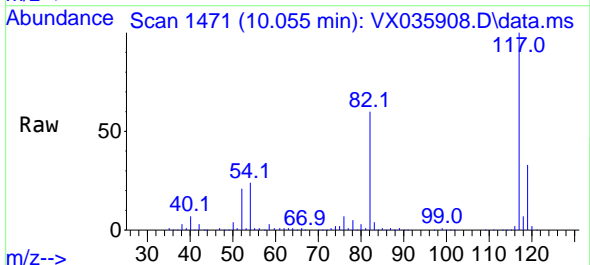
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME



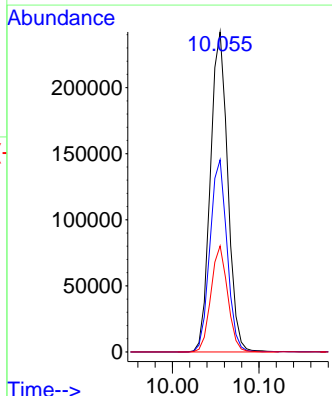
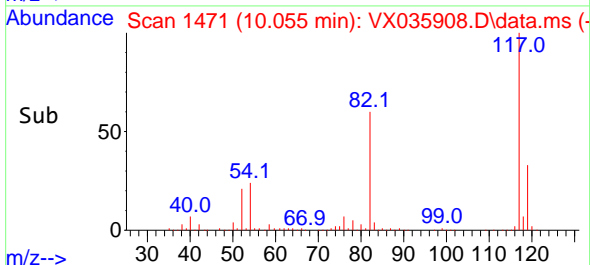
Tgt Ion: 95 Resp: 169093
 Ion Ratio Lower Upper
 95 100
 174 67.3 0.0 132.6
 176 64.3 0.0 128.0

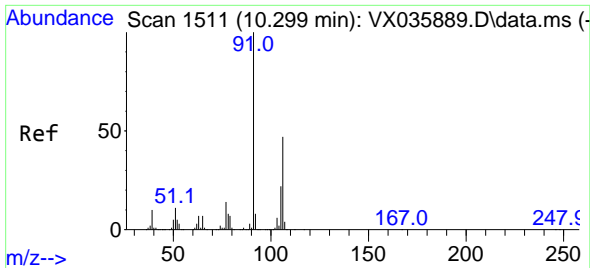


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.055 min Scan# 1471
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01



Tgt Ion: 117 Resp: 337263
 Ion Ratio Lower Upper
 117 100
 82 60.0 46.6 69.8
 119 33.2 25.4 38.2

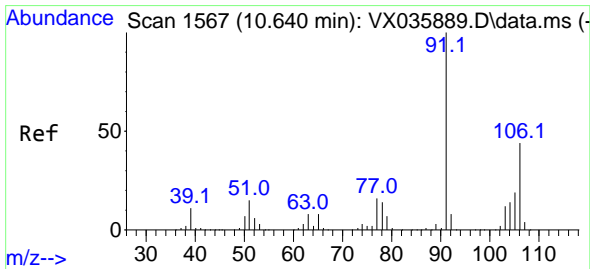
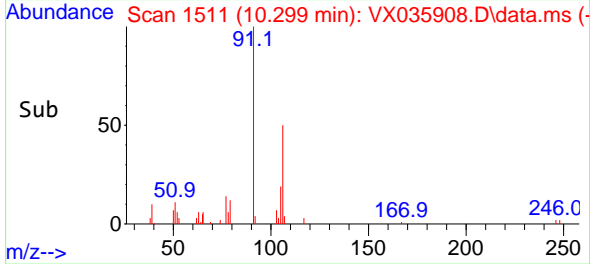
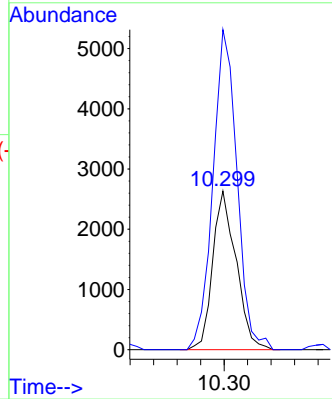
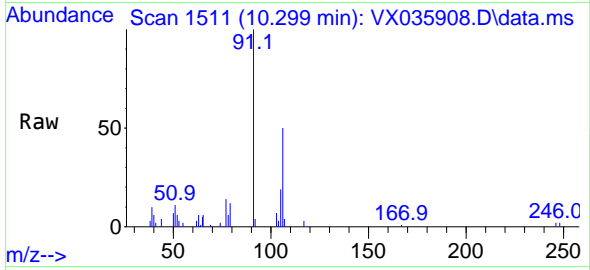




#68
 m/p-Xylenes
 Concen: 0.740 ug/l
 RT: 10.299 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

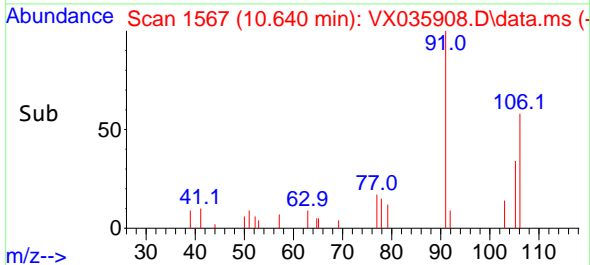
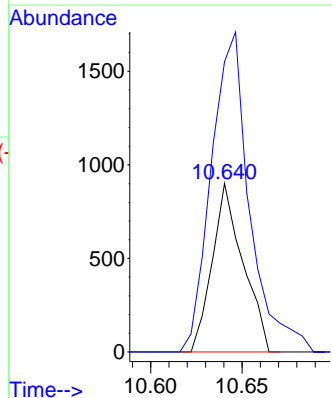
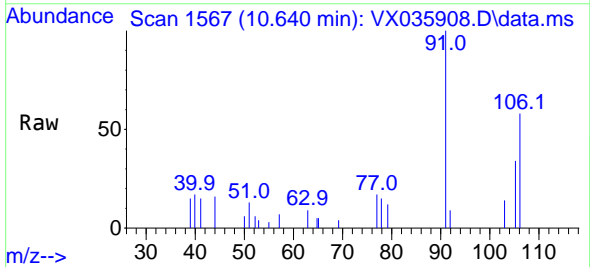
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

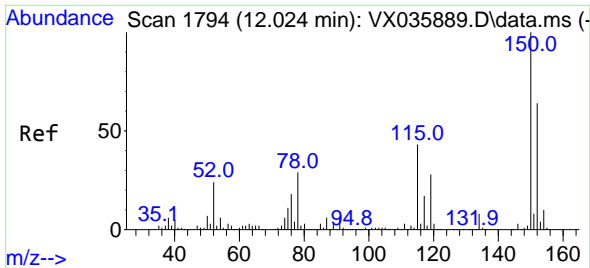
Tgt Ion:106 Resp: 3649
 Ion Ratio Lower Upper
 106 100
 91 207.6 169.8 254.8



#69
 o-Xylene
 Concen: 0.216 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

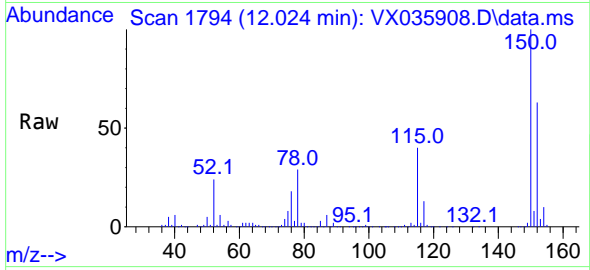
Tgt Ion:106 Resp: 1057
 Ion Ratio Lower Upper
 106 100
 91 236.7 112.5 337.4



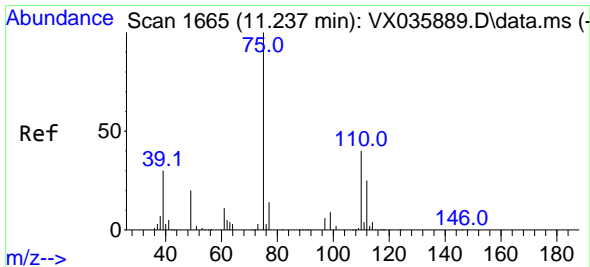
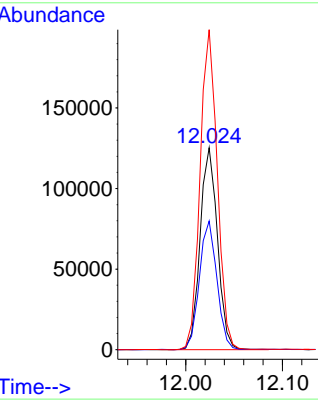
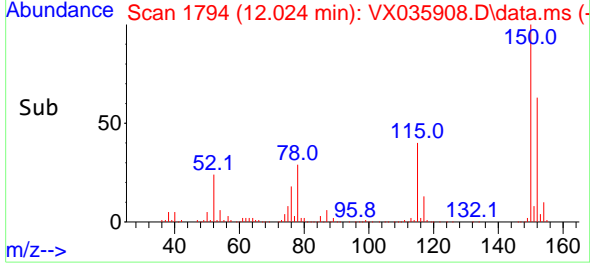


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

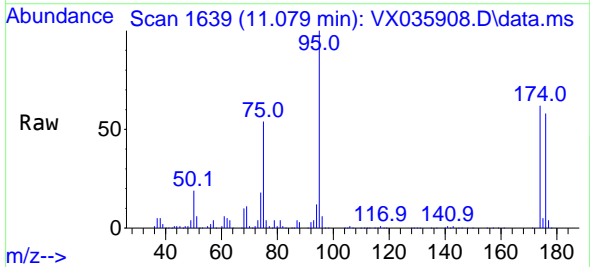
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME



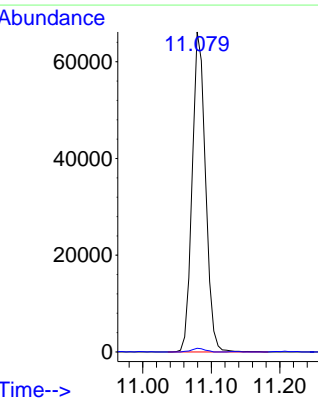
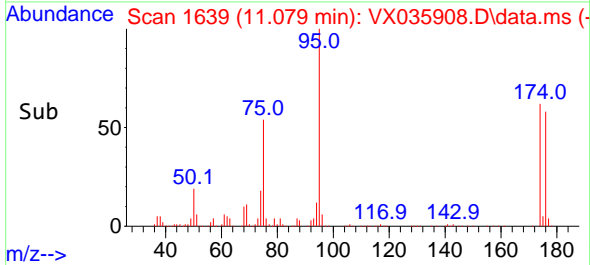
Tgt Ion:152 Resp: 156439
 Ion Ratio Lower Upper
 152 100
 115 64.6 45.5 136.5
 150 156.9 0.0 345.2

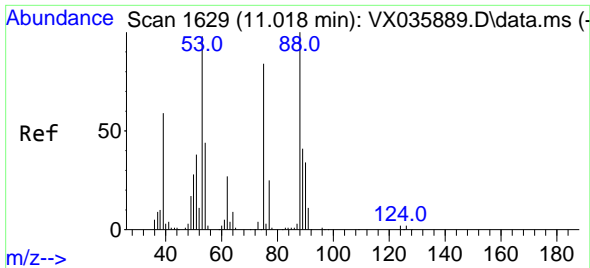


#76
 1,2,3-Trichloropropane
 Concen: 22.993 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01



Tgt Ion: 75 Resp: 89766
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.4 64.2#

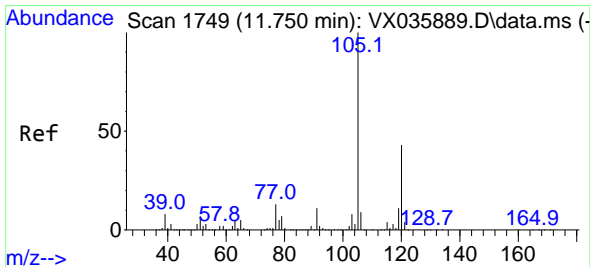
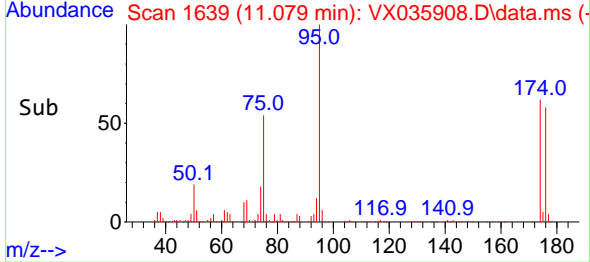
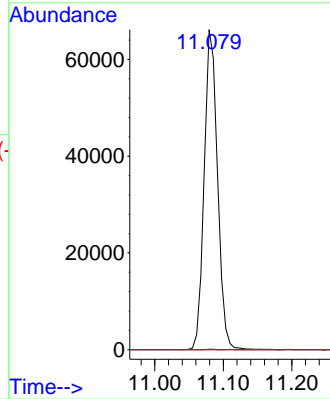
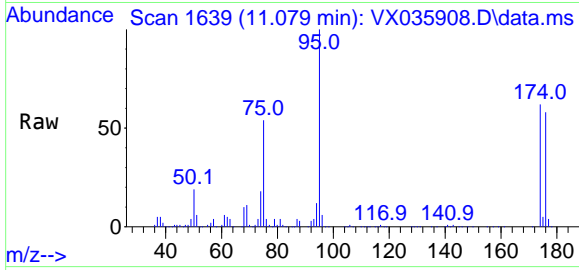




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.678 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

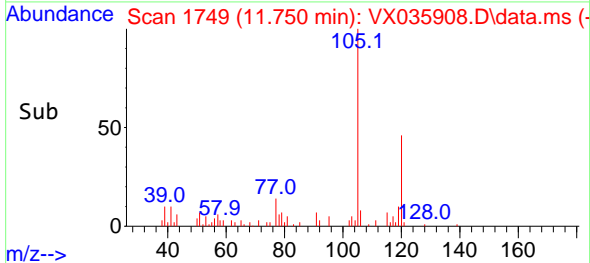
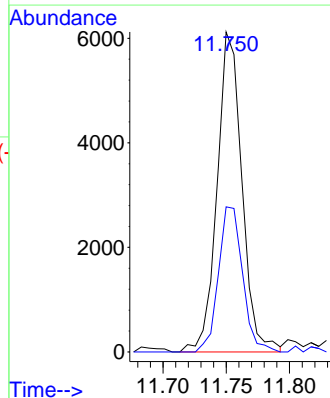
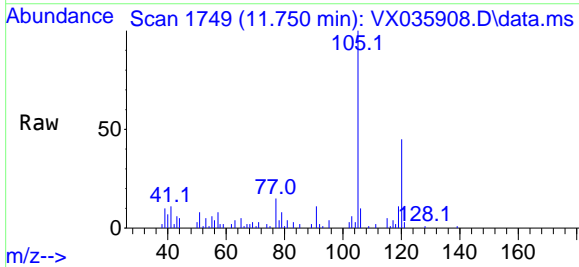
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME

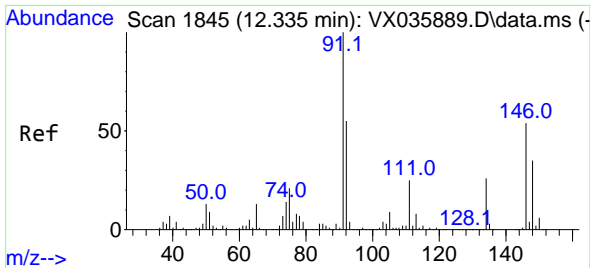
Tgt Ion: 75 Resp: 89766
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.2 142.8#
 89 0.0 38.0 57.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.771 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

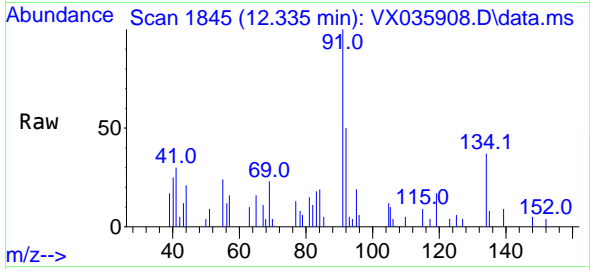
Tgt Ion:105 Resp: 8348
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.6 64.8



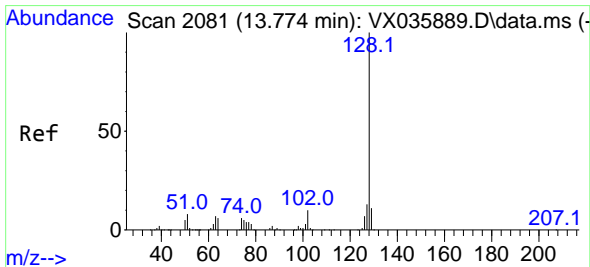
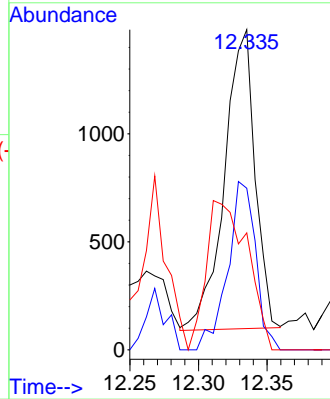
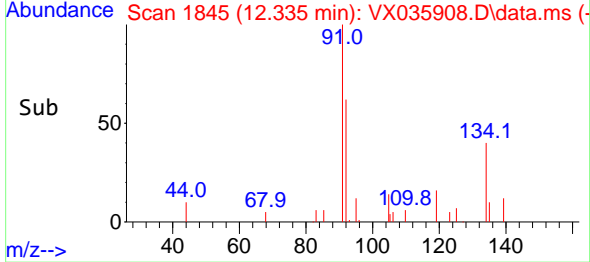


#89
 n-Butylbenzene
 Concen: 0.226 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01

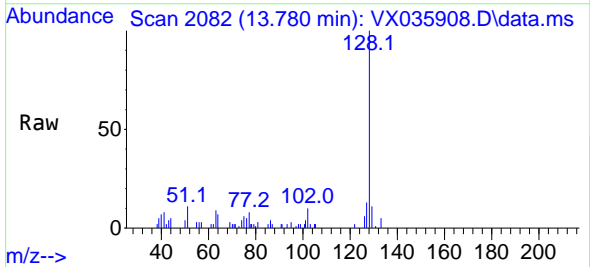
Instrument : MSVOA_X
 ClientSampleId : CB-32-G3-SO-18-051823ME



Tgt Ion: 91 Resp: 2151
 Ion Ratio Lower Upper
 91 100
 92 51.4 27.3 81.8
 134 0.0 12.4 37.0#



#95
 Naphthalene
 Concen: 0.637 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX035908.D
 Acq: 30 May 2023 16:01



Tgt Ion: 128 Resp: 7025
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.3 15.5
 129 11.9 8.7 13.1

