

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043017.D
 Acq On : 13 Aug 2024 16:06
 Operator : JC/MD
 Sample : P3546-01DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 04:34:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

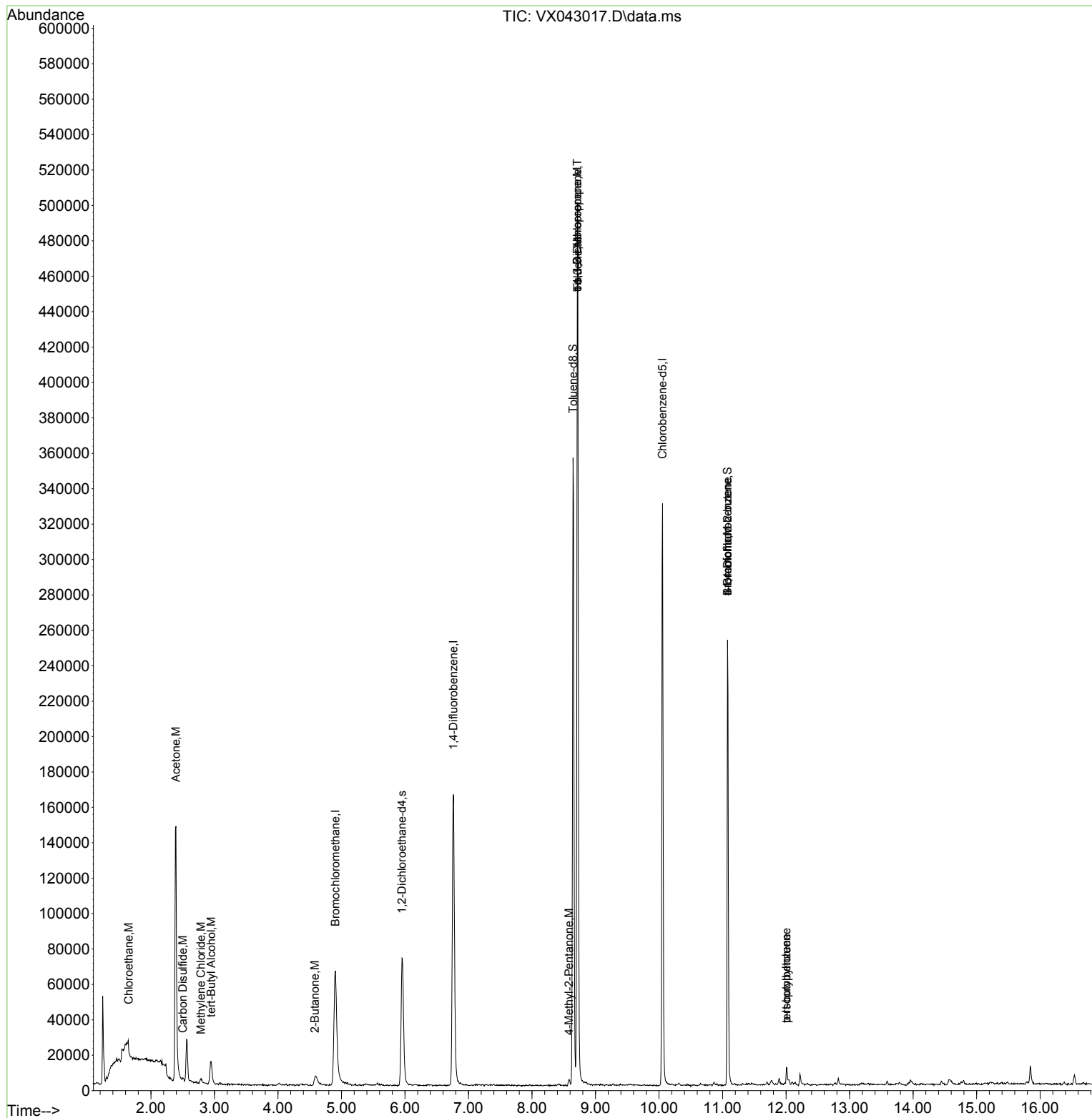
Internal Standards						
1) Bromochloromethane	4.904	128	29262	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	175292	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	153714	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	65559	27.677	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.267%
60) 4-Bromofluorobenzene	11.079	95	71844	27.532	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.767%
63) Toluene-d8	8.647	98	214660	30.400	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.333%
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	474	0.763	ug/l #	44
15) Acetone	2.392	58	56782	147.147	ug/l	73
16) Carbon Disulfide	2.502	76	2481	0.416	ug/l #	86
18) Methylene Chloride	2.788	84	1718	0.736	ug/l #	87
23) tert-Butyl Alcohol	2.947	59	8248	13.695	ug/l #	100
30) 2-Butanone	4.580	43	2757	1.430	ug/l #	60
48) t-1,3-Dichloropropene	8.714	75	2028	0.615	ug/l #	1
49) cis-1,3-Dichloropropene	8.714	75	2028	0.564	ug/l #	1
56) Bromoform	11.079	173	457	0.294	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	2399	0.675	ug/l #	88
62) Toluene	8.720	91	338026	38.497	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	33140	25.002	ug/l #	11
79) tert-butylbenzene	12.006	119	4774	0.642	ug/l	63
82) p-Isopropyltoluene	12.006	119	4774	0.628	ug/l	97

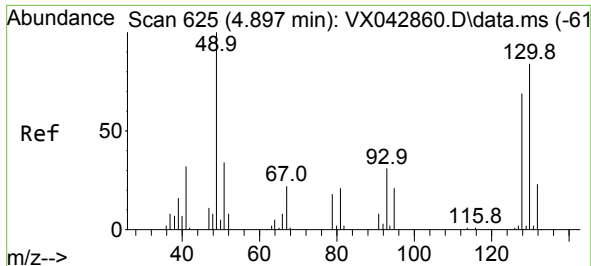
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
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MSVOA_X
ClientSampleId :

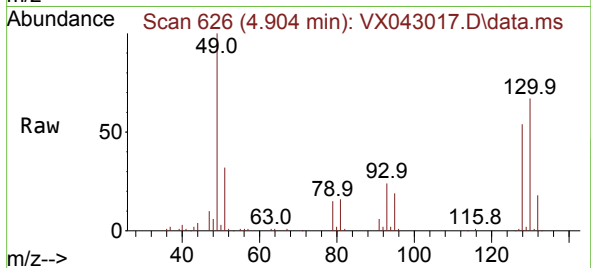
Quant Time: Aug 14 04:34:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 13 13:22:56 2024
Response via : Initial Calibration



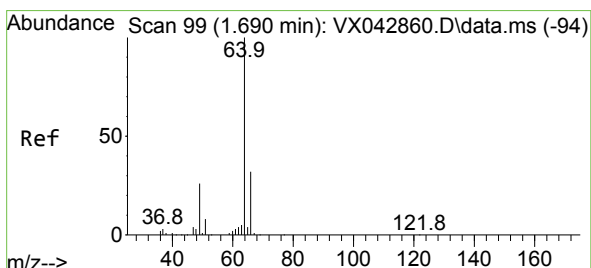
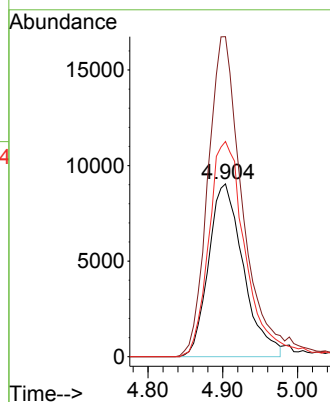
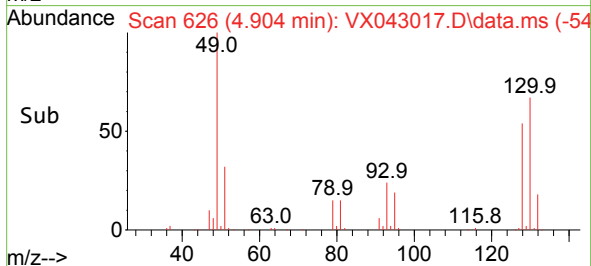


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

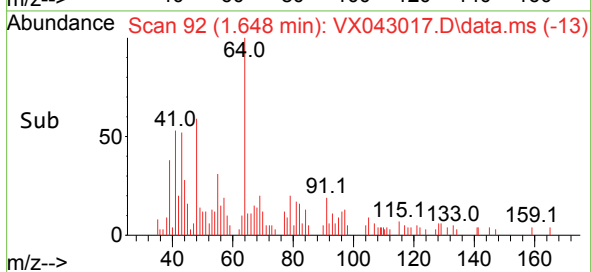
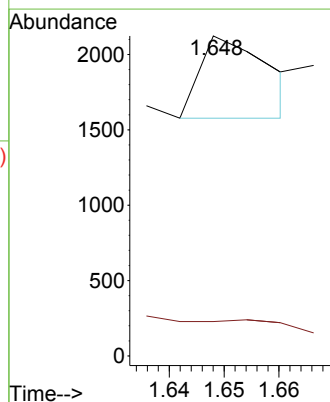
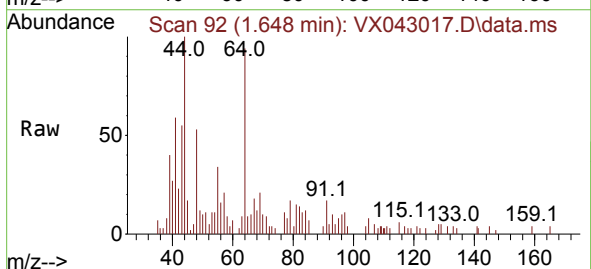


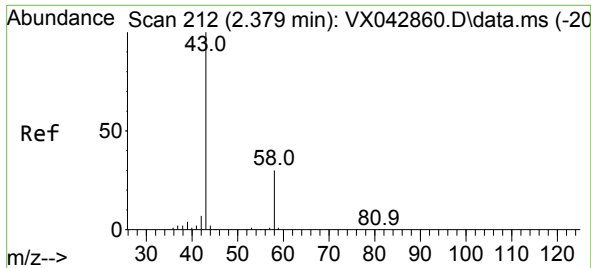
Tgt Ion:128 Resp: 29262
Ion Ratio Lower Upper
128 100
49 186.9 0.0 400.5
130 130.5 0.0 333.0



#6
Chloroethane
Concen: 0.763 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 1.3 25.9 38.9#





#15

Acetone

Concen: 147.147 ug/l

RT: 2.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043017.D

Acq: 13 Aug 2024 16:06

Instrument :

MSVOA_X

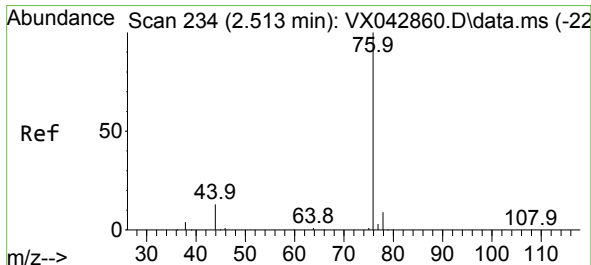
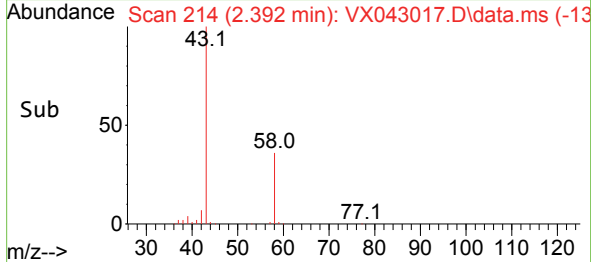
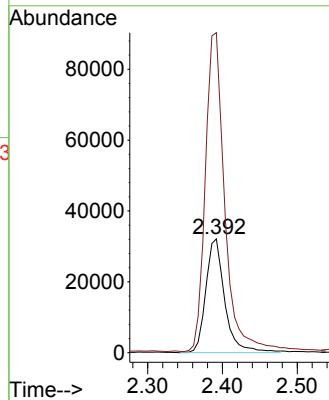
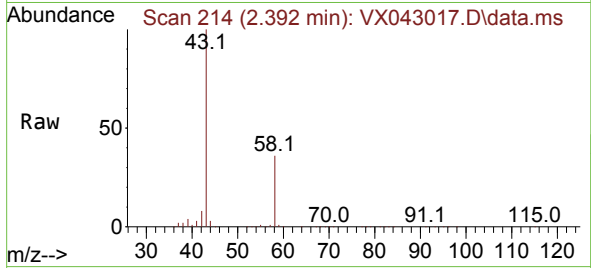
ClientSampleId :

Tgt Ion: 58 Resp: 56782

Ion Ratio Lower Upper

58 100

43 280.2 269.9 404.9



#16

Carbon Disulfide

Concen: 0.416 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043017.D

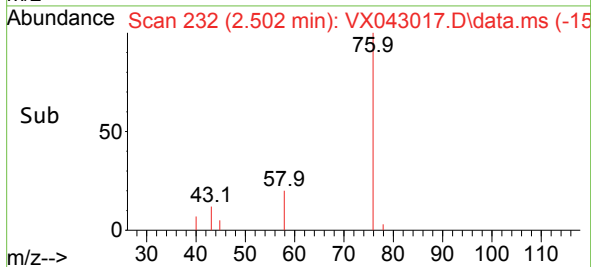
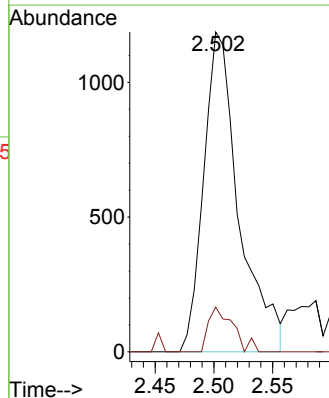
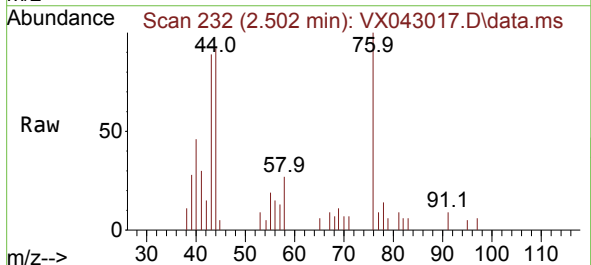
Acq: 13 Aug 2024 16:06

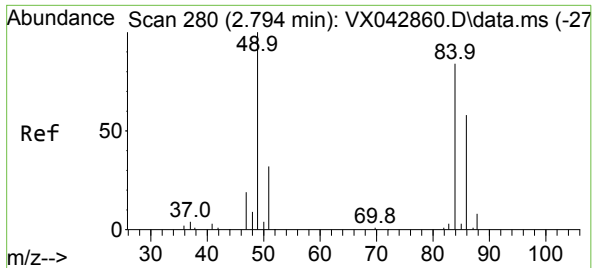
Tgt Ion: 76 Resp: 2481

Ion Ratio Lower Upper

76 100

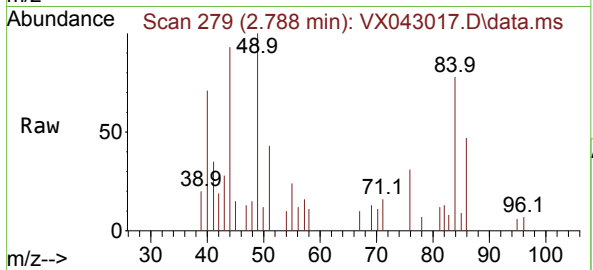
78 14.0 7.1 10.7#



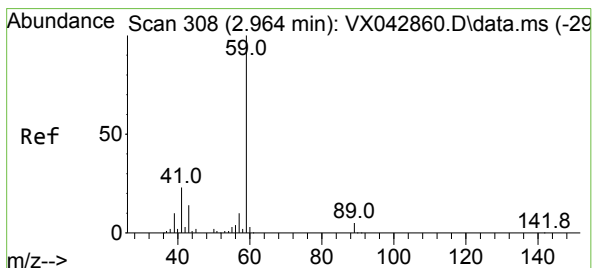
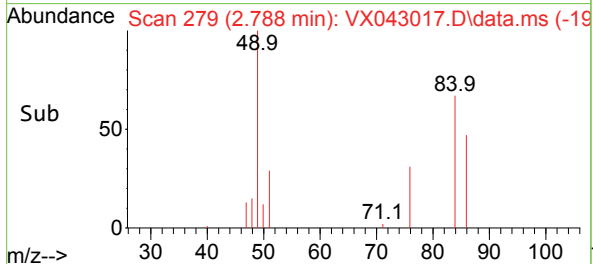
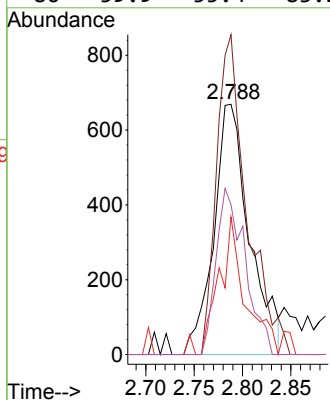


#18
Methylene Chloride
Concen: 0.736 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

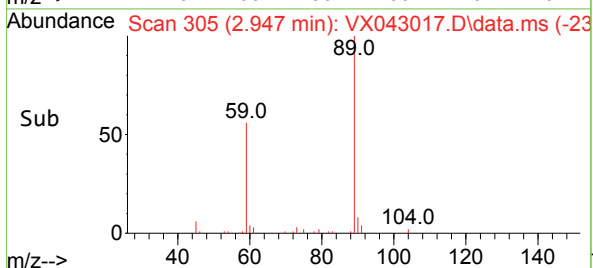
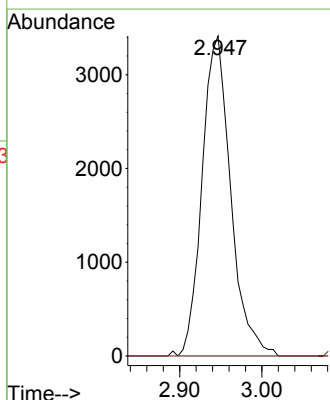
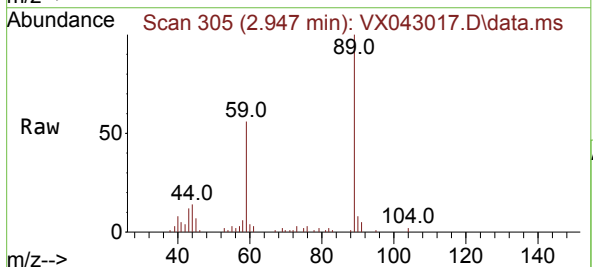


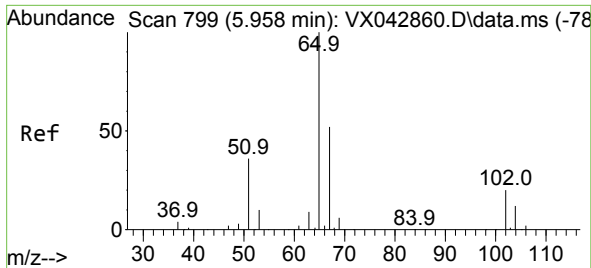
Tgt Ion:	84	Resp:	1718
Ion	Ratio	Lower	Upper
84	100		
49	127.8	95.0	142.6
51	55.0	30.1	45.1#
86	59.9	55.4	83.2



#23
tert-Butyl Alcohol
Concen: 13.695 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Tgt Ion:	59	Resp:	8248
Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#

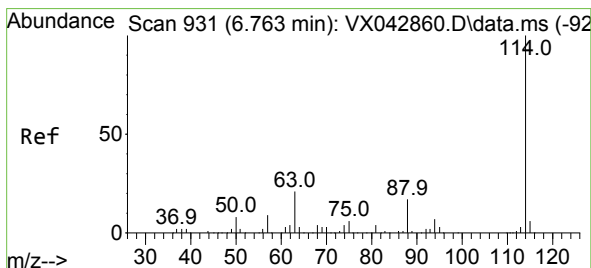
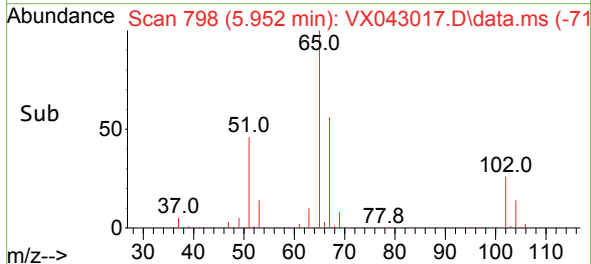
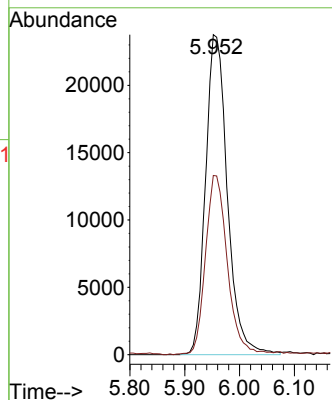
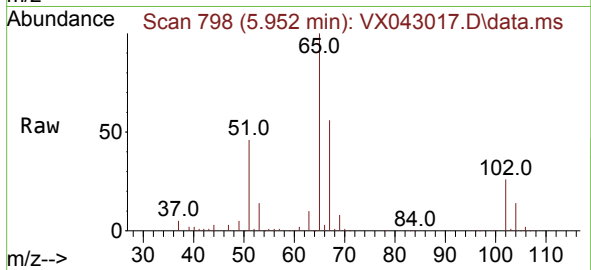




#27
1,2-Dichloroethane-d4
Concen: 27.677 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

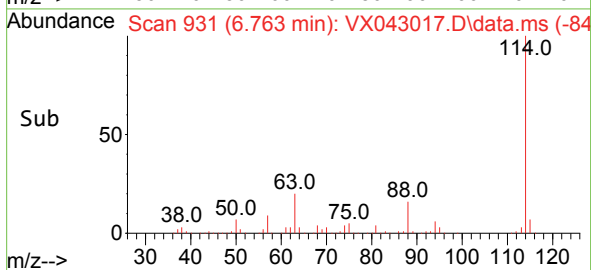
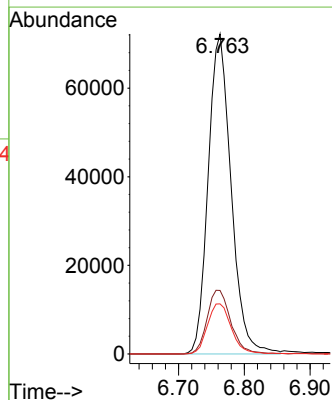
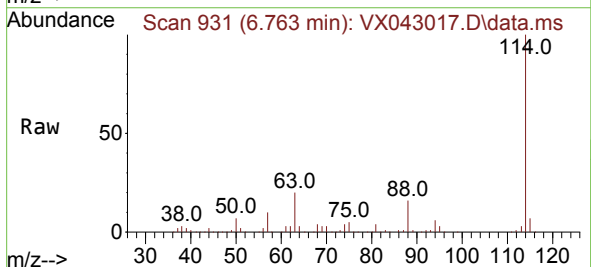
Instrument :
MSVOA_X
ClientSampleId :

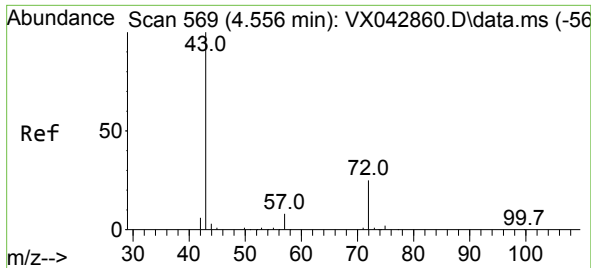
Tgt Ion: 65 Resp: 65559
Ion Ratio Lower Upper
65 100
67 55.8 40.6 60.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Tgt Ion:114 Resp: 175292
Ion Ratio Lower Upper
114 100
63 20.6 16.0 24.0
88 16.3 12.5 18.7

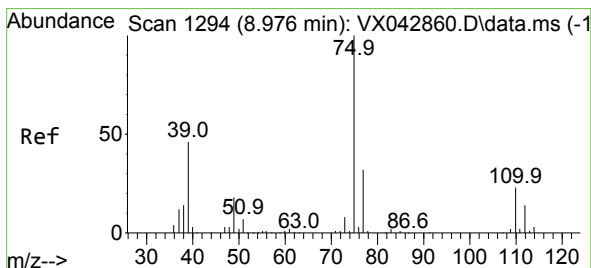
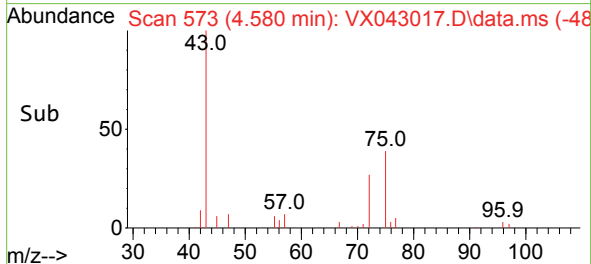
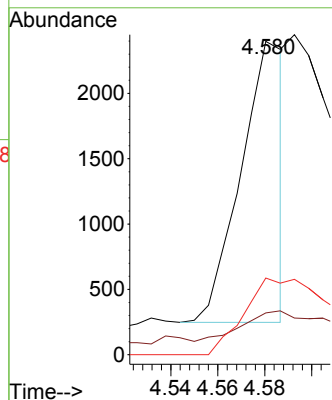
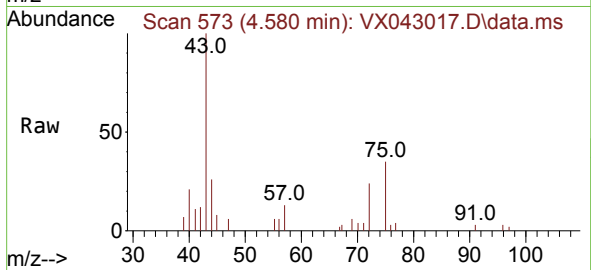




#30
2-Butanone
Concen: 1.430 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

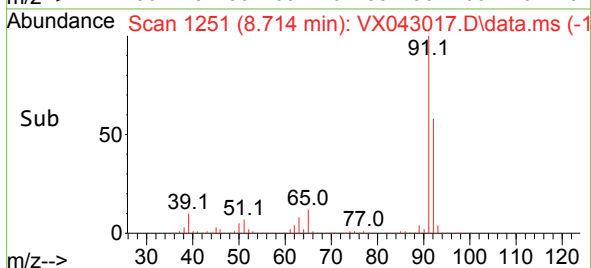
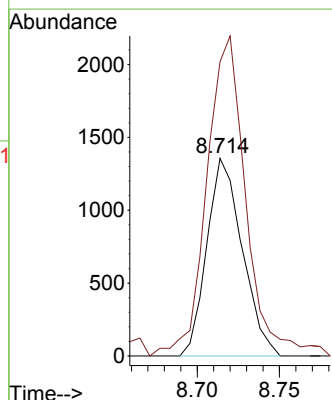
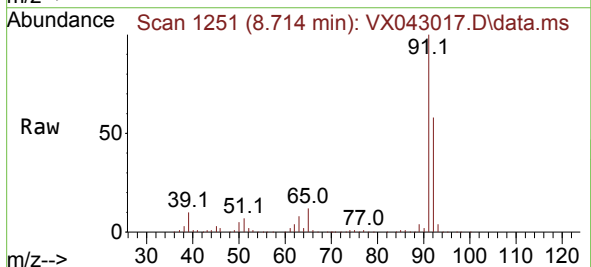
Instrument :
MSVOA_X
ClientSampleId :

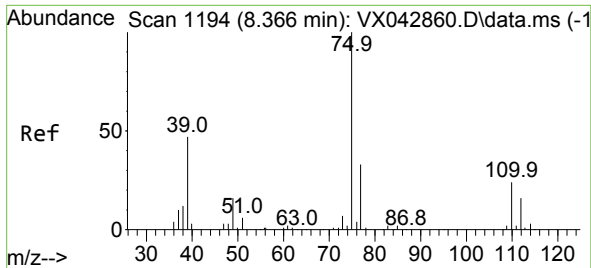
Tgt Ion: 43 Resp: 2757
Ion Ratio Lower Upper
43 100
57 15.2 6.6 10.0#
72 49.9 21.0 31.4#



#48
t-1,3-Dichloropropene
Concen: 0.615 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.268 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

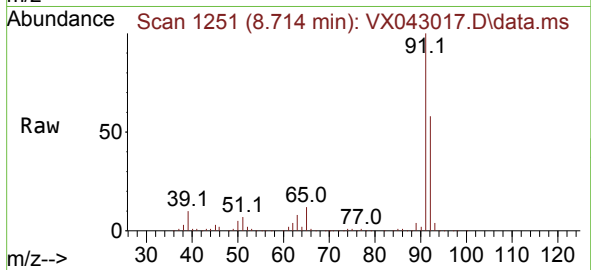
Tgt Ion: 75 Resp: 2028
Ion Ratio Lower Upper
75 100
77 140.5 25.6 38.4#



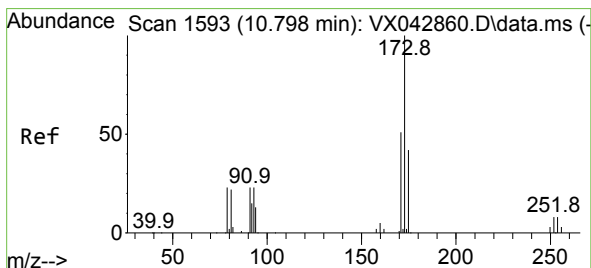
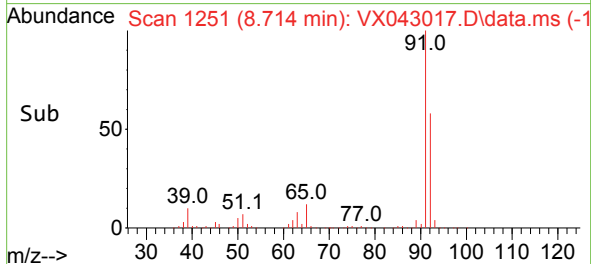
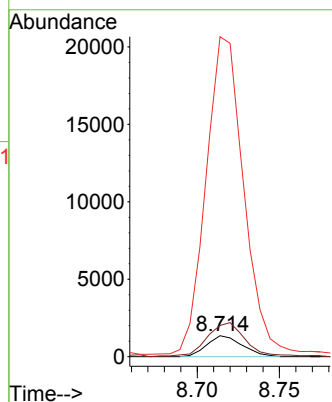


#49
 cis-1,3-Dichloropropene
 Concen: 0.564 ug/l
 RT: 8.714 min Scan# 1194
 Delta R.T. 0.347 min
 Lab File: VX043017.D
 Acq: 13 Aug 2024 16:06

Instrument :
 MSVOA_X
 ClientSampleId :

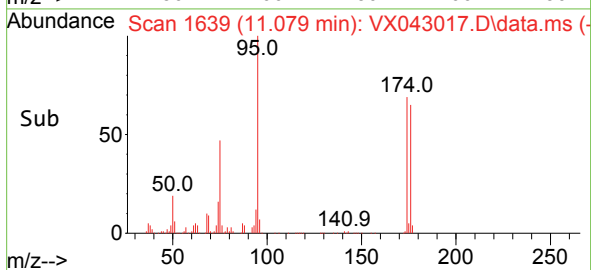
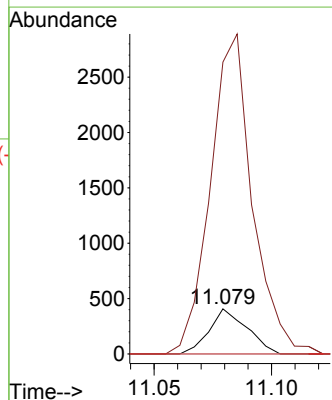
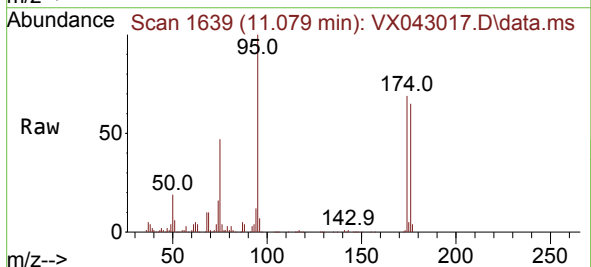


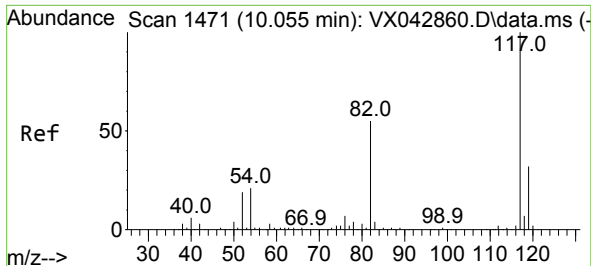
Tgt Ion: 75 Resp: 2028
 Ion Ratio Lower Upper
 75 100
 77 140.5 26.8 40.2#
 39 1490.5 37.5 56.3#



#56
 Bromoform
 Concen: 0.294 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.280 min
 Lab File: VX043017.D
 Acq: 13 Aug 2024 16:06

Tgt Ion: 173 Resp: 457
 Ion Ratio Lower Upper
 173 100
 175 787.5 37.1 55.7#
 254 0.0 6.6 10.0#

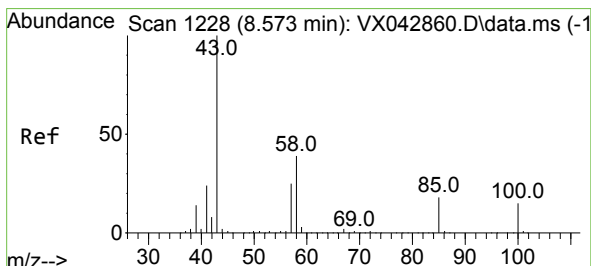
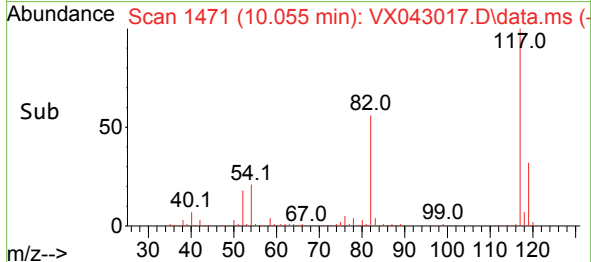
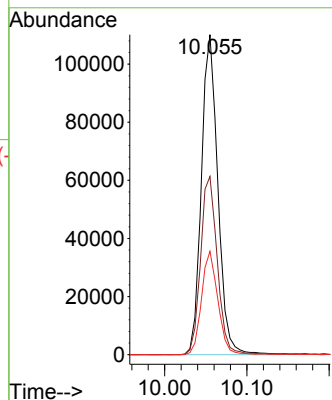
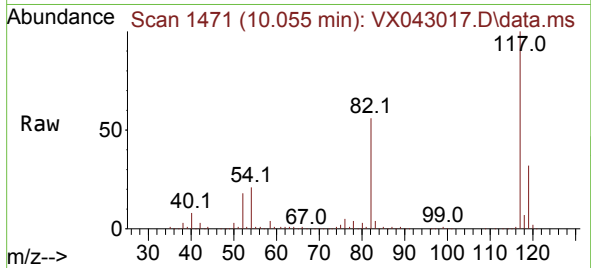




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

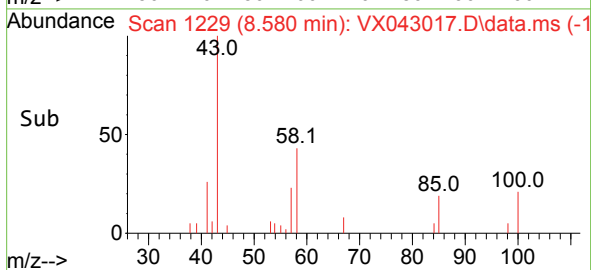
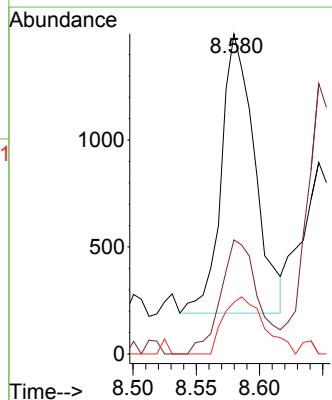
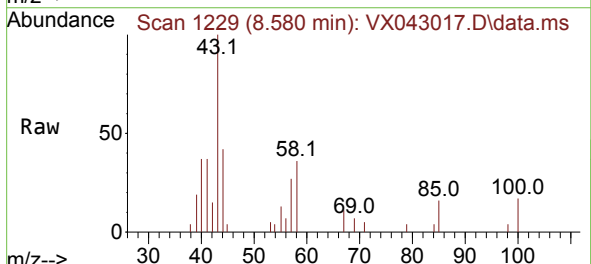
Instrument :
MSVOA_X
ClientSampleId :

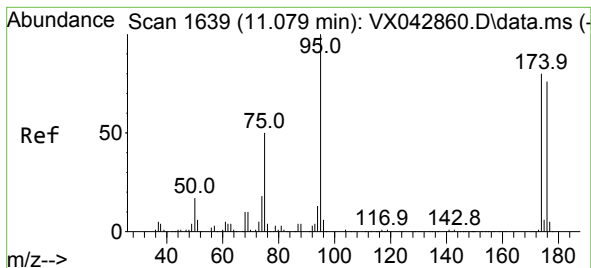
Tgt Ion:117 Resp: 153714
Ion Ratio Lower Upper
117 100
82 56.4 44.9 67.3
119 31.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.675 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
58 46.1 31.4 47.0
85 24.6 14.6 21.8

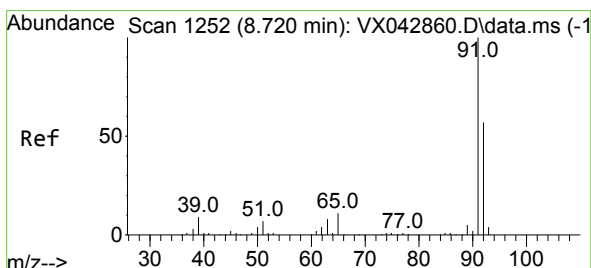
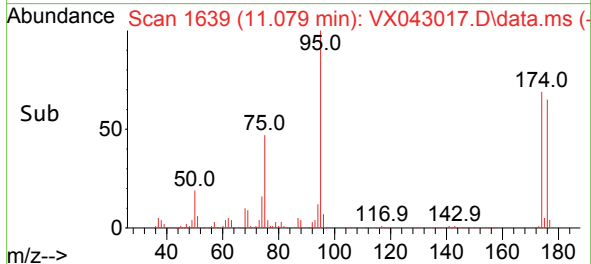
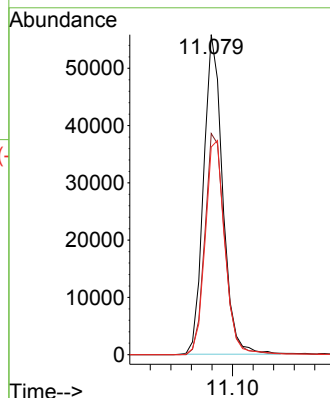
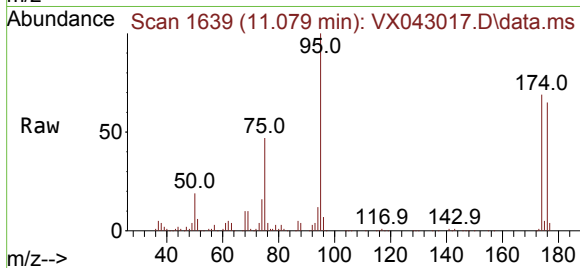




#60
 4-Bromofluorobenzene
 Concen: 27.532 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX043017.D
 Acq: 13 Aug 2024 16:06

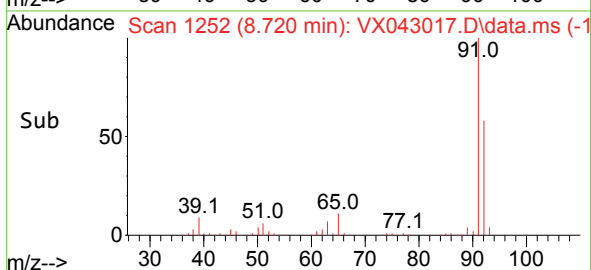
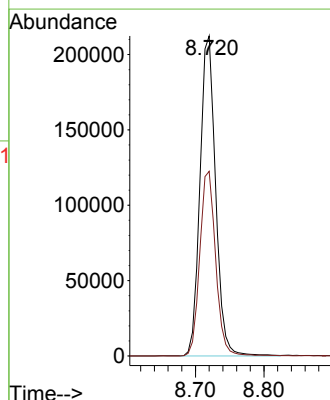
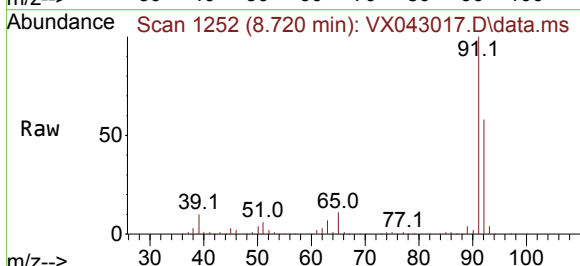
Instrument :
 MSVOA_X
 ClientSampleId :

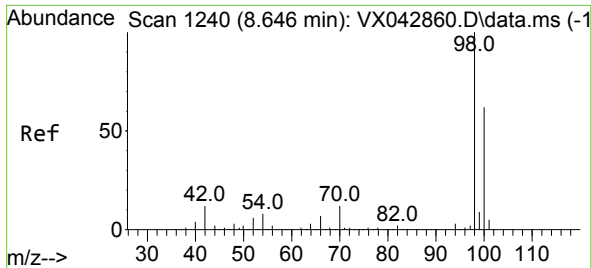
Tgt Ion: 95 Resp: 71844
 Ion Ratio Lower Upper
 95 100
 174 72.2 65.0 97.6
 176 69.6 63.4 95.0



#62
 Toluene
 Concen: 38.497 ug/l
 RT: 8.720 min Scan# 1252
 Delta R.T. -0.000 min
 Lab File: VX043017.D
 Acq: 13 Aug 2024 16:06

Tgt Ion: 91 Resp: 338026
 Ion Ratio Lower Upper
 91 100
 92 58.4 45.7 68.5

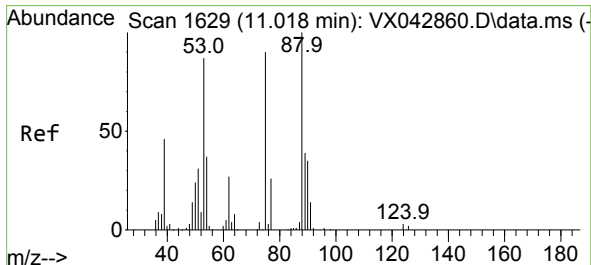
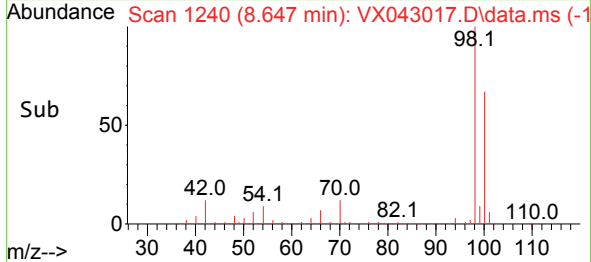
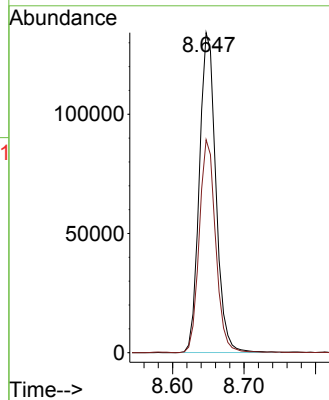
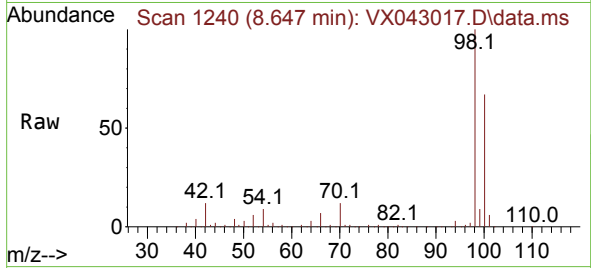




#63
Toluene-d8
Concen: 30.400 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

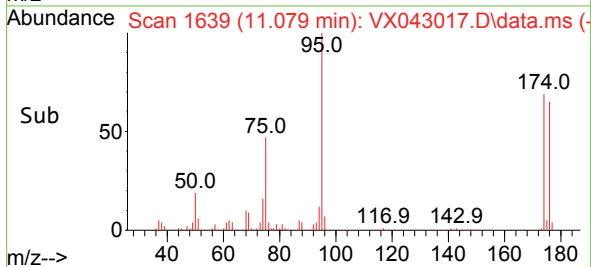
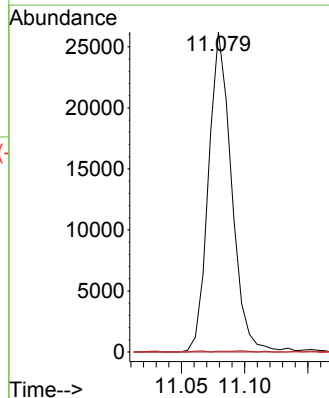
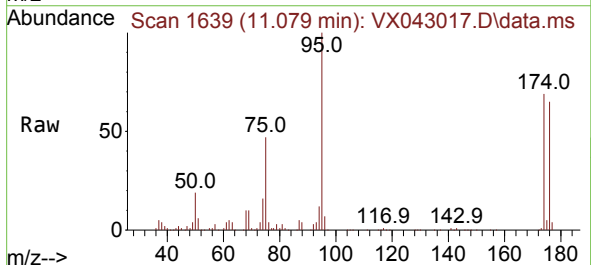
Instrument :
MSVOA_X
ClientSampleId :

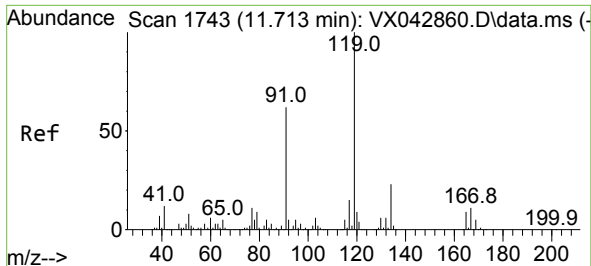
Tgt Ion: 98 Resp: 214660
Ion Ratio Lower Upper
98 100
100 66.2 50.9 76.3



#77
t-1,4-Dichloro-2-butene
Concen: 25.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Tgt Ion: 75 Resp: 33140
Ion Ratio Lower Upper
75 100
53 0.3 48.5 145.5#
89 0.0 21.9 65.5#

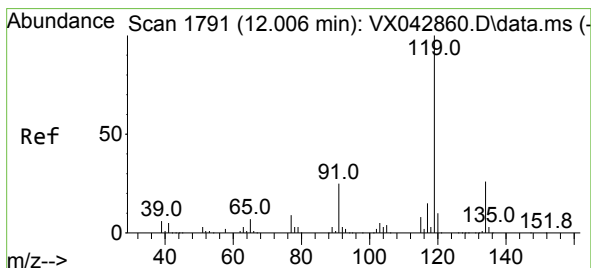
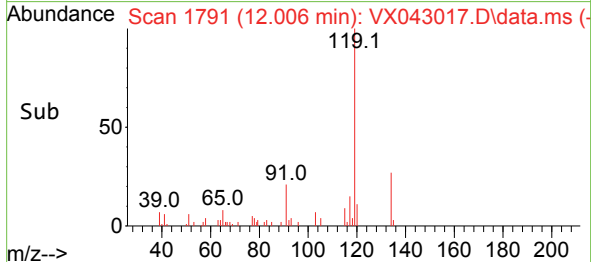
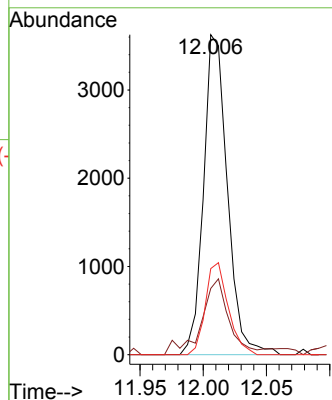
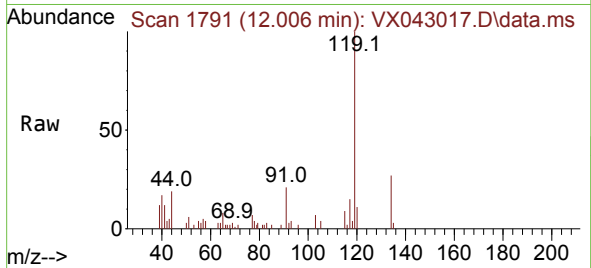




#79
tert-butylbenzene
Concen: 0.642 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.293 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 4774
Ion Ratio Lower Upper
119 100
91 24.6 0.0 118.6
134 27.5 0.0 44.4



#82
p-Isopropyltoluene
Concen: 0.628 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043017.D
Acq: 13 Aug 2024 16:06

Tgt Ion:119 Resp: 4774
Ion Ratio Lower Upper
119 100
134 27.5 0.0 51.8
91 25.4 0.0 48.4

