

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
 Data File : VX042558.D
 Acq On : 25 Jul 2024 11:06
 Operator : JC/MD
 Sample : VX0726WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 26 01:34:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

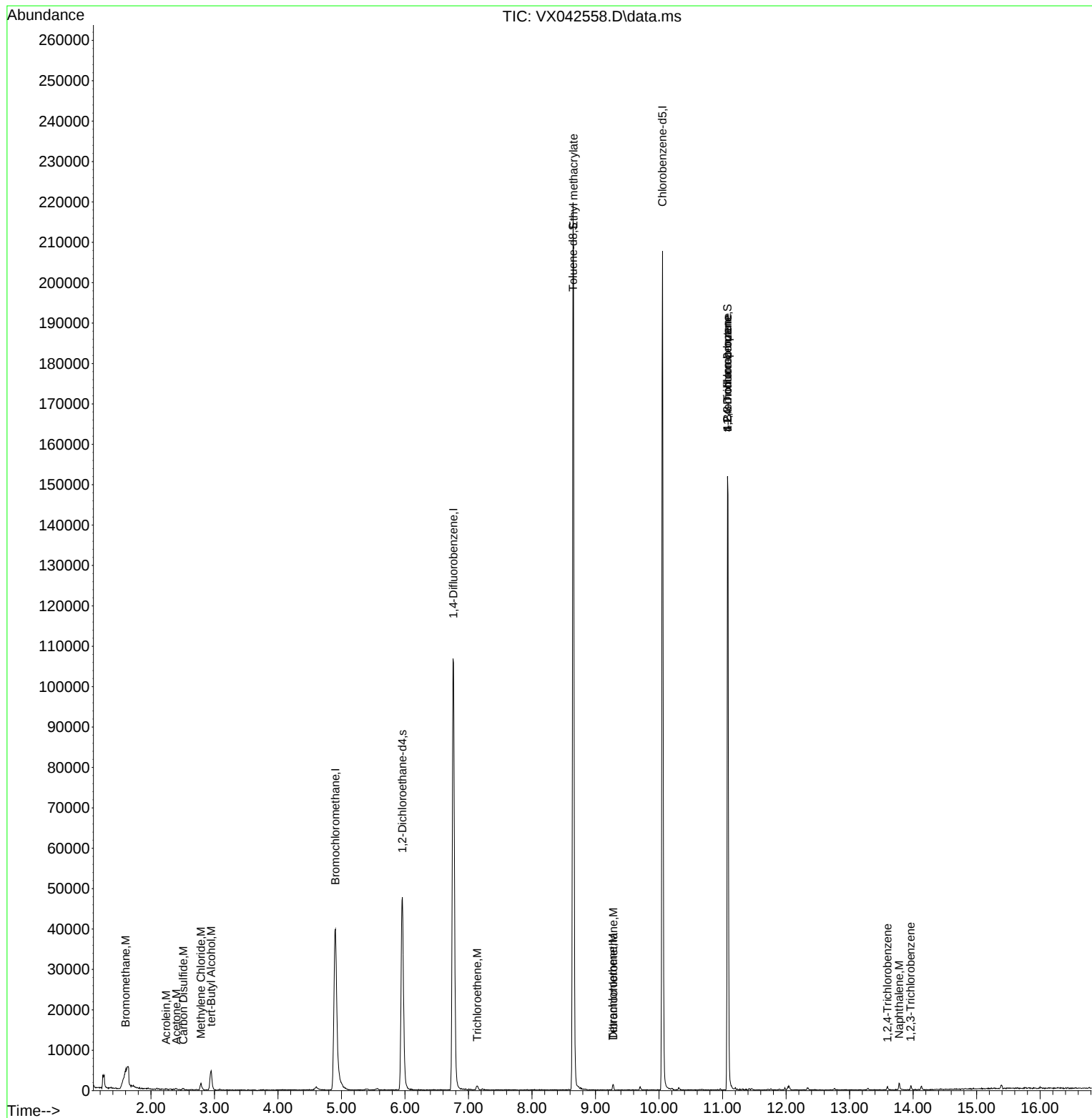
Internal Standards						
1) Bromochloromethane	4.904	128	21629	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	119845	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	104086	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	47270	30.511	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.700%
60) 4-Bromofluorobenzene	11.079	95	41167	25.420	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.733%
63) Toluene-d8	8.647	98	138846	30.708	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.367%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	459	0.679	ug/l	93
13) Acrolein	2.239	56	72	0.277	ug/l #	15
15) Acetone	2.398	58	109	0.471	ug/l #	1
16) Carbon Disulfide	2.508	76	568	0.228	ug/l #	75
18) Methylene Chloride	2.788	84	956	0.664	ug/l #	92
23) tert-Butyl Alcohol	2.947	59	3045	10.265	ug/l #	100
37) Trichloroethene	7.135	130	494	0.358	ug/l	98
51) Ethyl methacrylate	8.653	69	477	0.228	ug/l #	85
53) Dibromochloromethane	9.281	129	294	0.200	ug/l #	11
61) Tetrachloroethene	9.275	164	275	0.218	ug/l #	85
72) 1,2,3-Trichloropropane	11.079	75	19099	12.150	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	19099	33.128	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.597	180	441	0.218	ug/l #	92
91) Naphthalene	13.780	128	1727	0.287	ug/l #	92
92) 1,2,3-Trichlorobenzene	13.963	180	535	0.257	ug/l	81

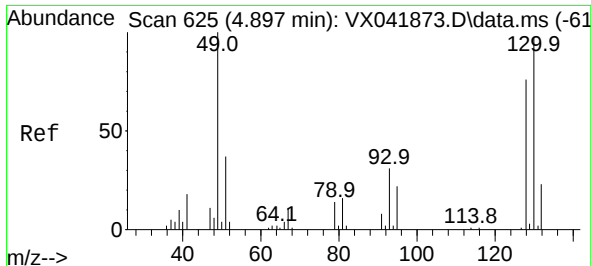
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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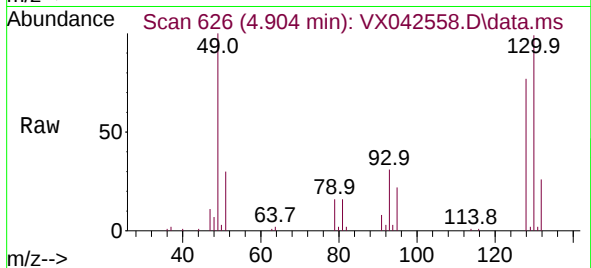
Quant Time: Jul 26 01:34:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
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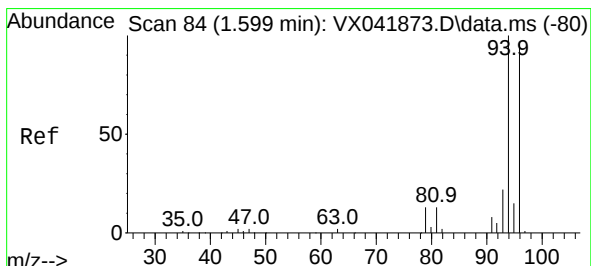
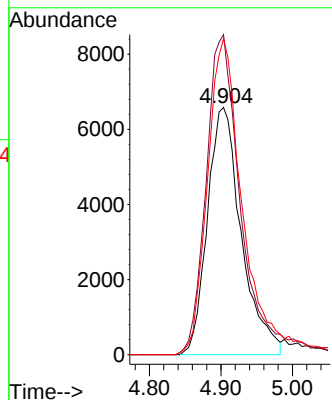
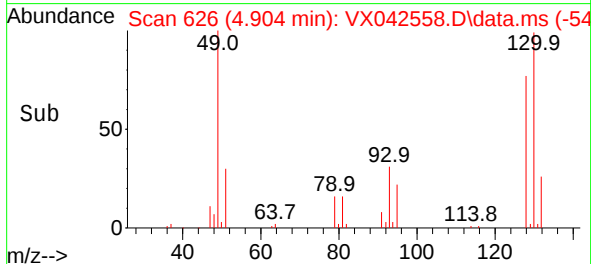


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :

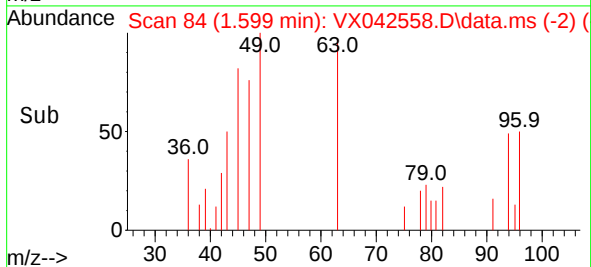
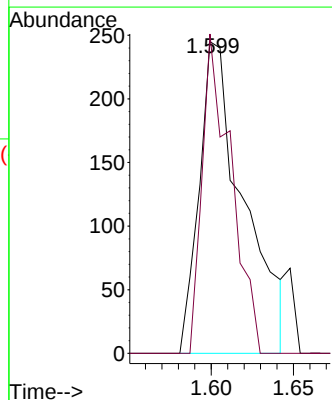
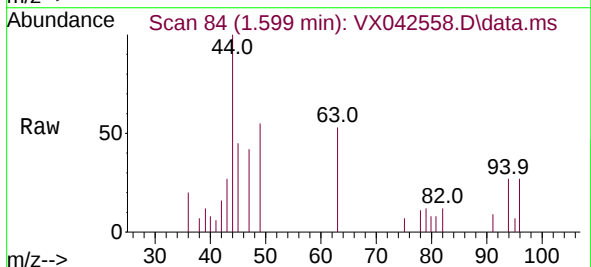


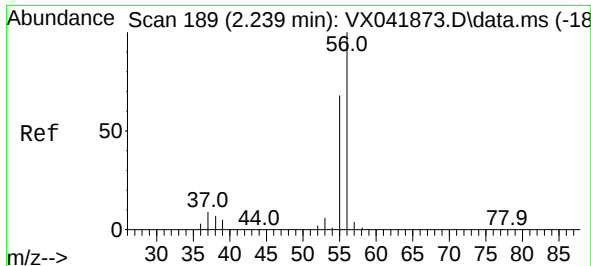
Tgt Ion:128 Resp: 21629
Ion Ratio Lower Upper
128 100
49 130.1 0.0 338.5
130 131.1 0.0 324.5



#5
Bromomethane
Concen: 0.679 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

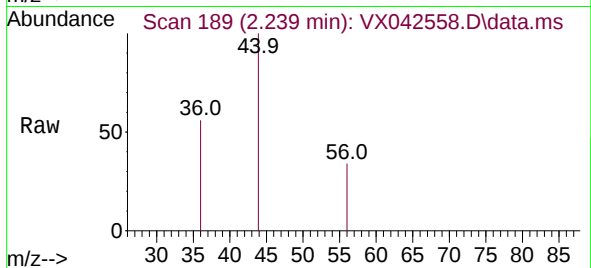
Tgt Ion: 94 Resp: 459
Ion Ratio Lower Upper
94 100
96 102.4 76.6 115.0



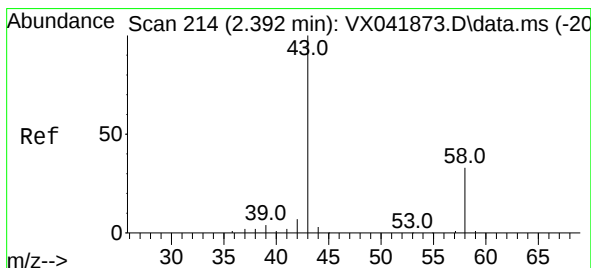
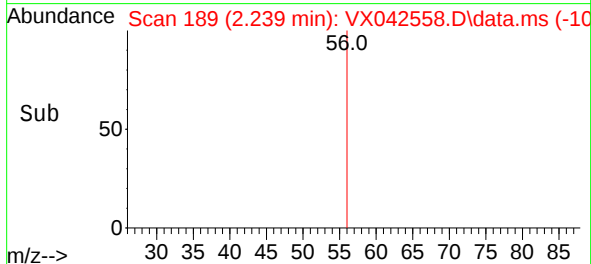
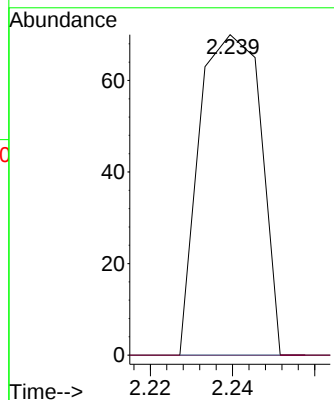


#13
Acrolein
Concen: 0.277 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :

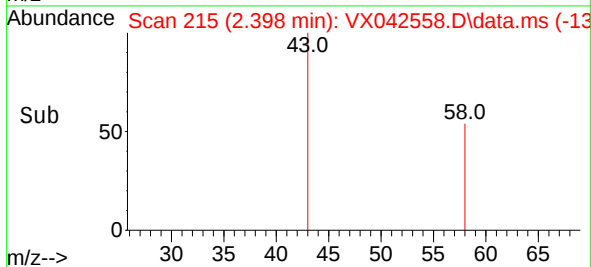
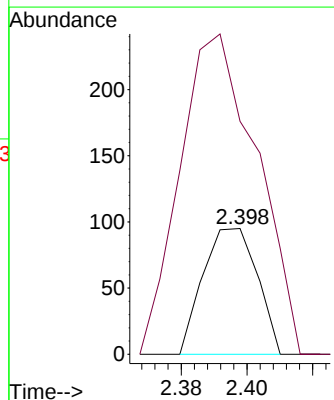
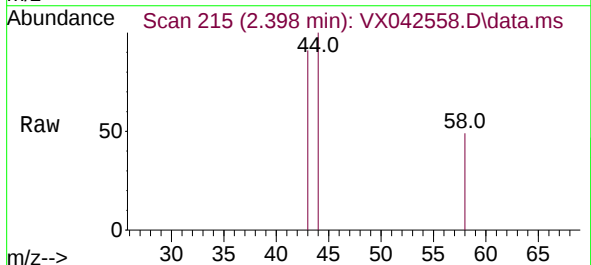


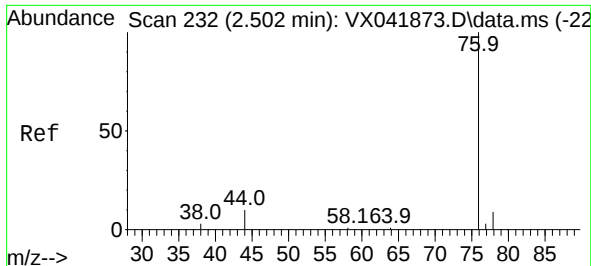
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#15
Acetone
Concen: 0.471 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Tgt Ion: 58 Resp: 109
Ion Ratio Lower Upper
58 100
43 101.1 243.4 365.2#

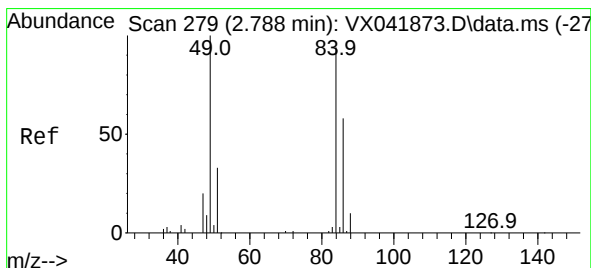
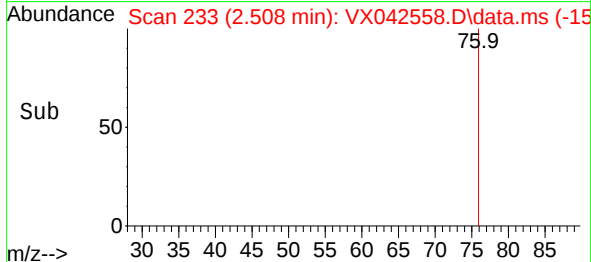
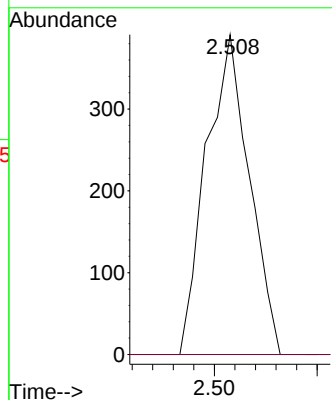
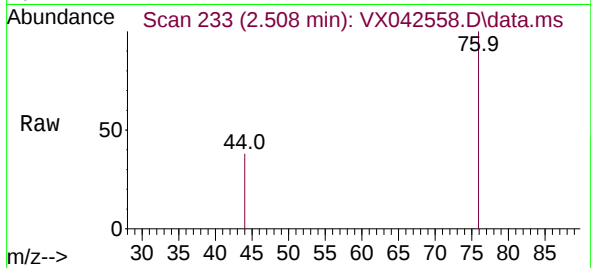




#16
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

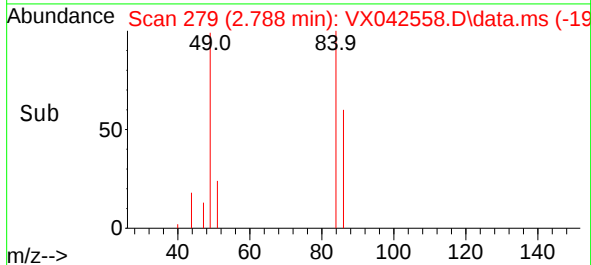
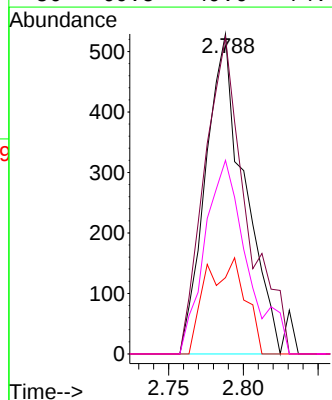
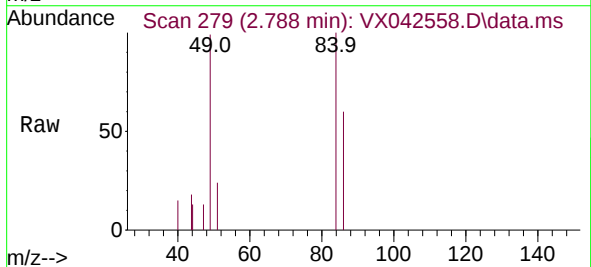
Instrument :
MSVOA_X
ClientSampleId :

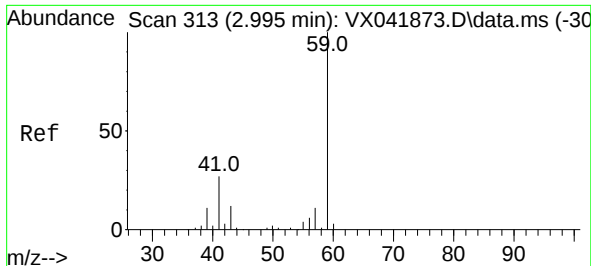
Tgt Ion: 76 Resp: 568
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methylene Chloride
Concen: 0.664 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Tgt Ion: 84 Resp: 956
Ion Ratio Lower Upper
84 100
49 99.1 85.3 127.9
51 23.8 28.5 42.7#
86 60.5 49.6 74.4





#23

tert-Butyl Alcohol

Concen: 10.265 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX042558.D

Acq: 25 Jul 2024 11:06

Instrument :

MSVOA_X

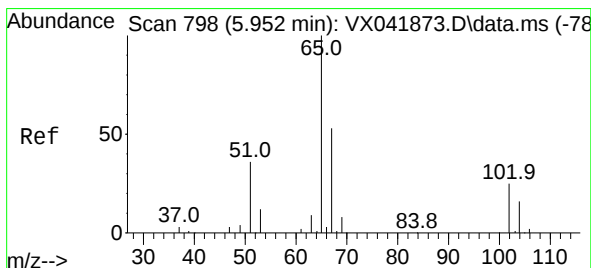
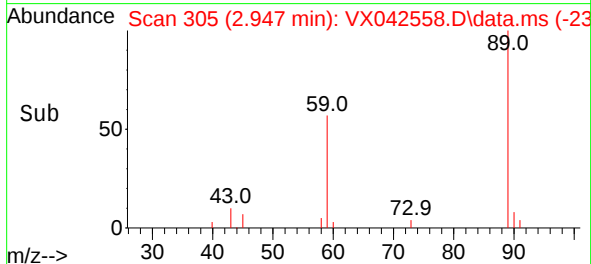
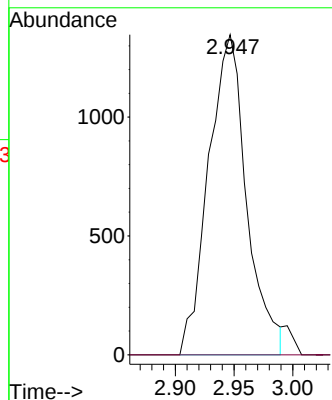
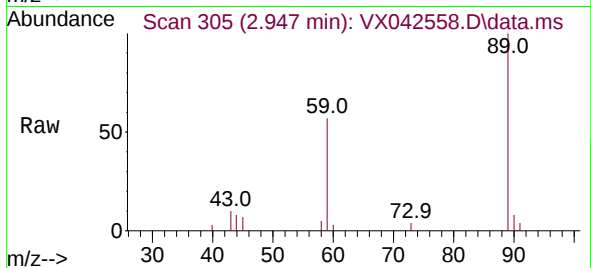
ClientSampleId :

Tgt Ion: 59 Resp: 3045

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 30.511 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX042558.D

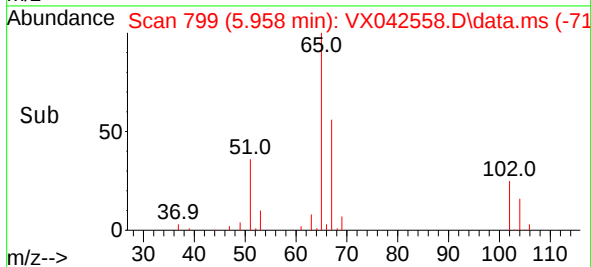
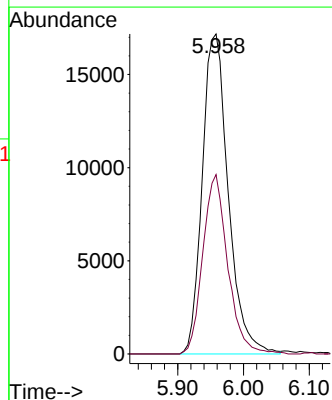
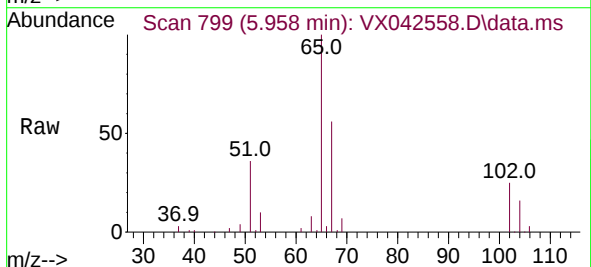
Acq: 25 Jul 2024 11:06

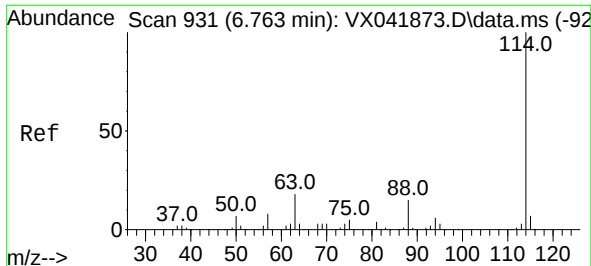
Tgt Ion: 65 Resp: 47270

Ion Ratio Lower Upper

65 100

67 53.7 43.4 65.0

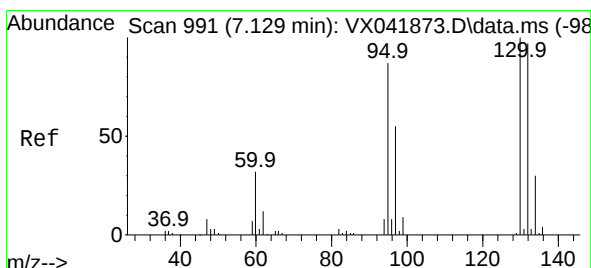
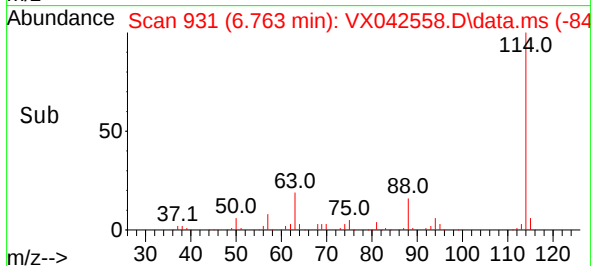
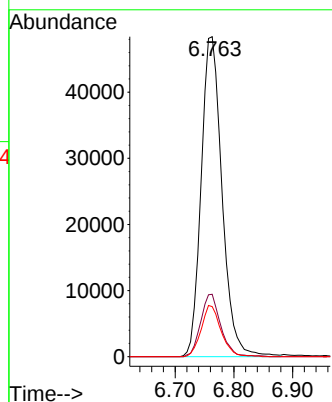
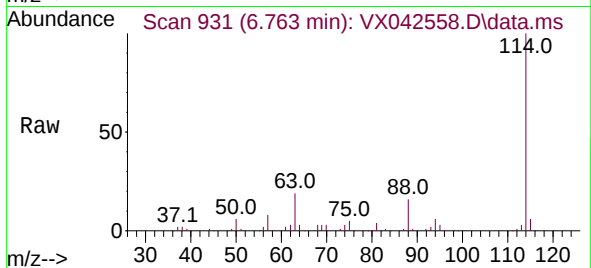




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

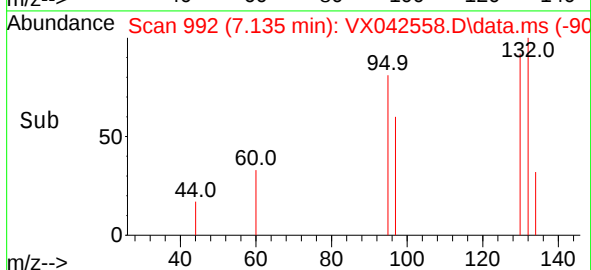
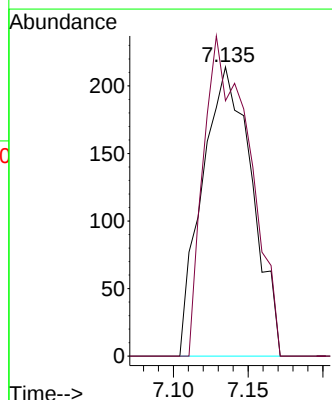
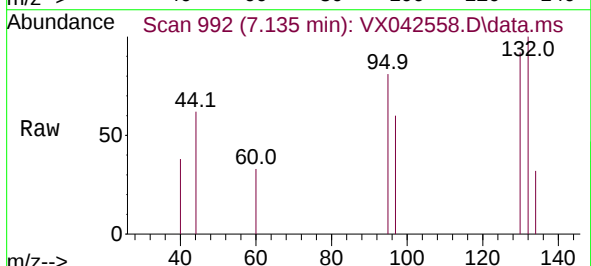
Instrument :
MSVOA_X
ClientSampleId :

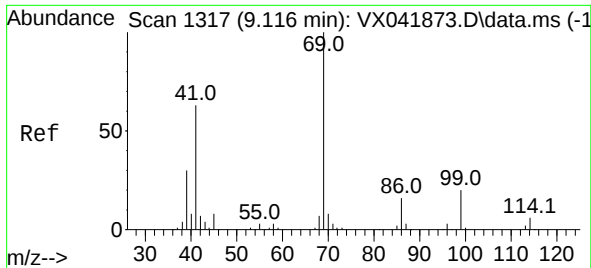
Tgt Ion:114 Resp: 119845
Ion Ratio Lower Upper
114 100
63 18.6 14.6 21.8
88 15.3 11.8 17.8



#37
Trichloroethene
Concen: 0.358 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Tgt Ion:130 Resp: 494
Ion Ratio Lower Upper
130 100
95 88.3 69.4 104.0

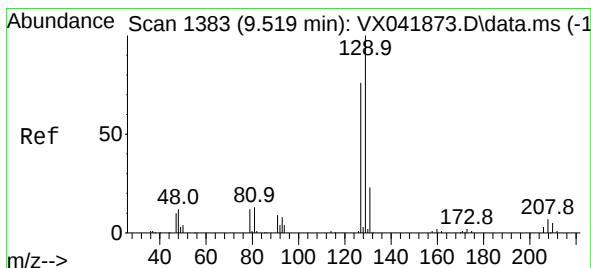
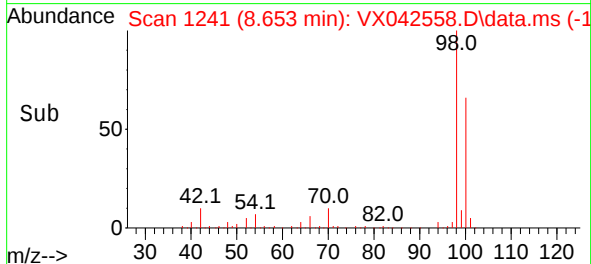
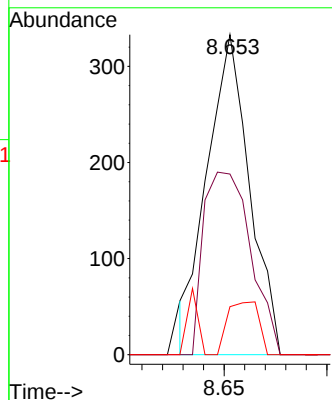
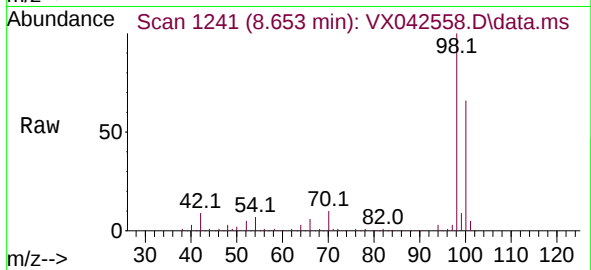




#51
Ethyl methacrylate
Concen: 0.228 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

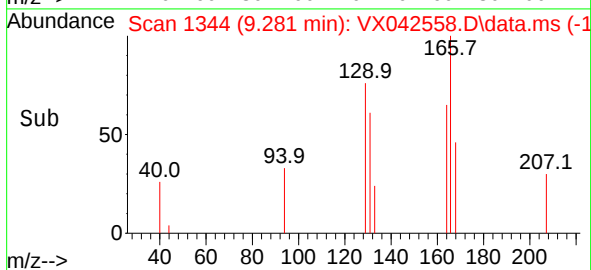
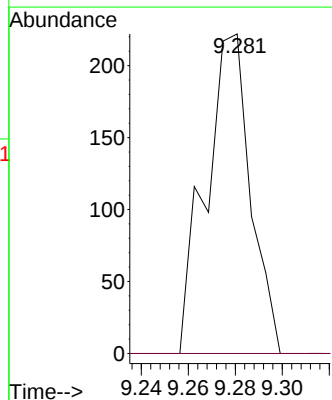
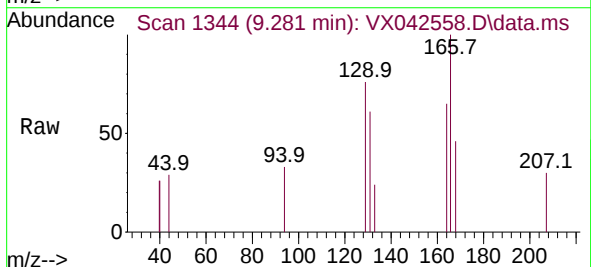
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MSVOA_X
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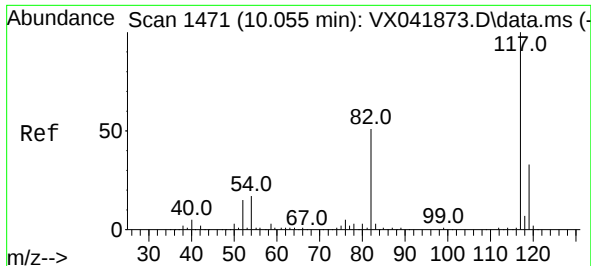
Tgt Ion: 69 Resp: 477
Ion Ratio Lower Upper
69 100
41 56.5 31.6 94.7
39 15.0 15.3 45.8#



#53
Dibromochloromethane
Concen: 0.200 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Tgt Ion:129 Resp: 294
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042558.D

Acq: 25 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

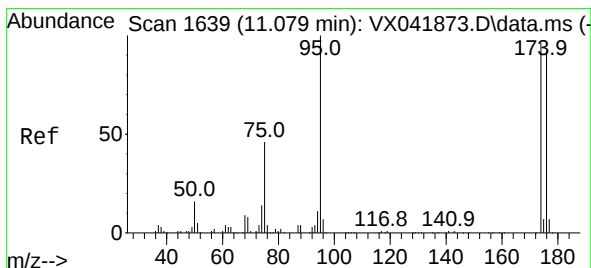
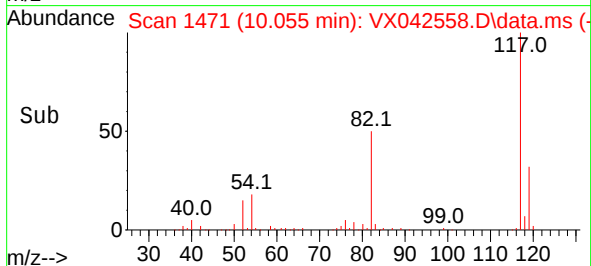
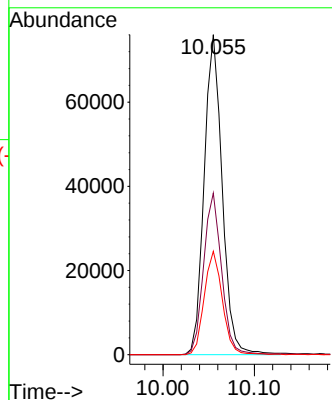
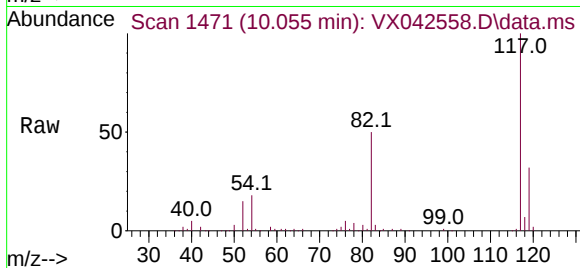
Tgt Ion:117 Resp: 104086

Ion Ratio Lower Upper

117 100

82 50.4 41.1 61.7

119 32.4 26.1 39.1



#60

4-Bromofluorobenzene

Concen: 25.420 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042558.D

Acq: 25 Jul 2024 11:06

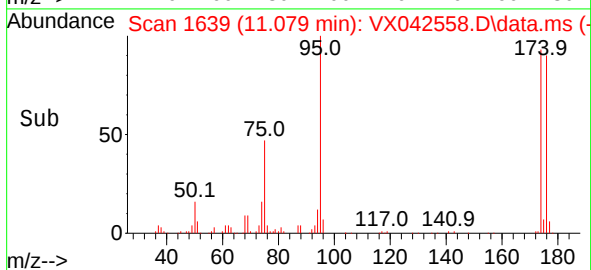
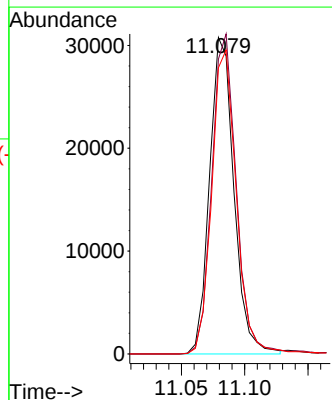
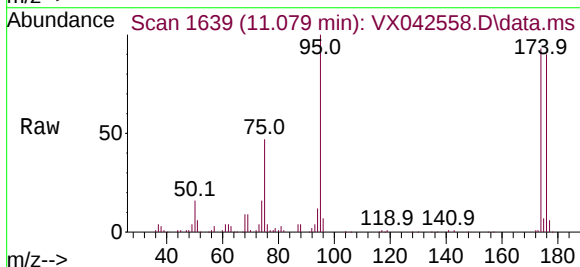
Tgt Ion: 95 Resp: 41167

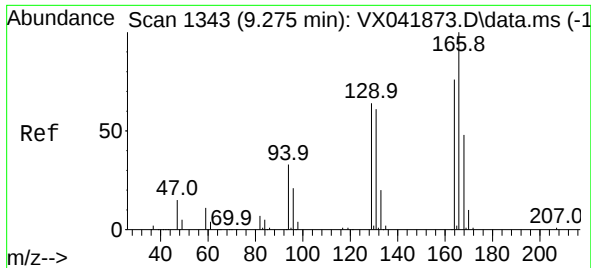
Ion Ratio Lower Upper

95 100

174 101.1 78.9 118.3

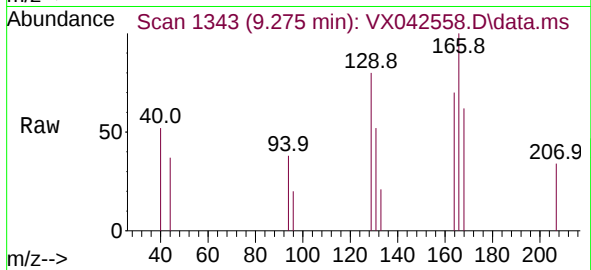
176 96.7 77.1 115.7



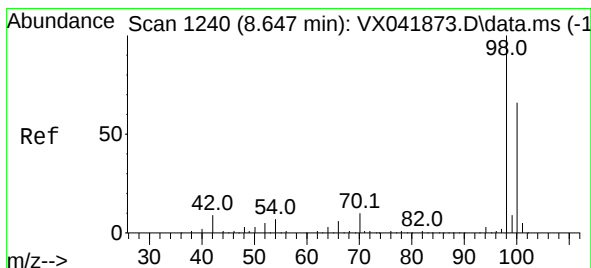
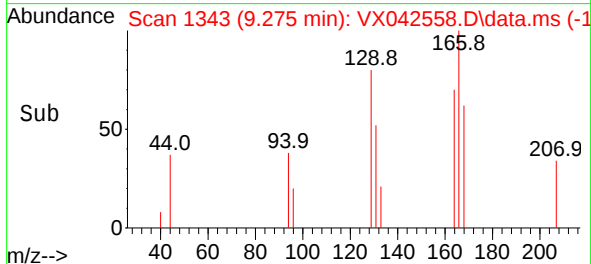
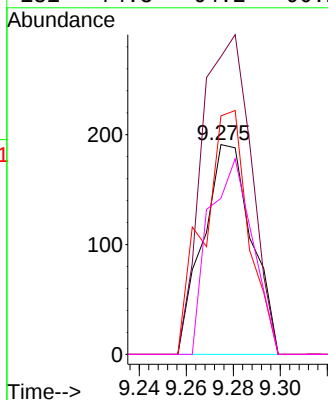


#61
Tetrachloroethene
Concen: 0.218 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :

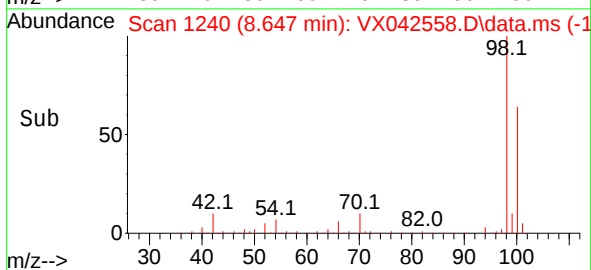
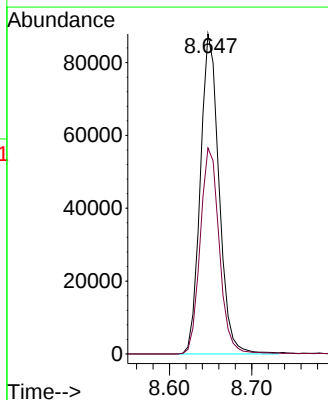
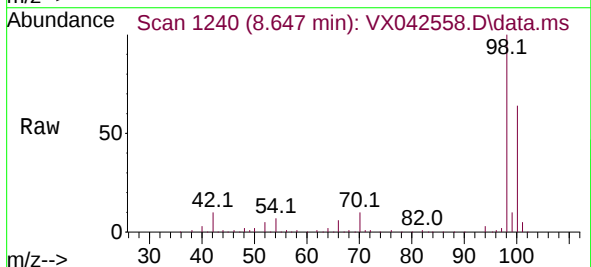


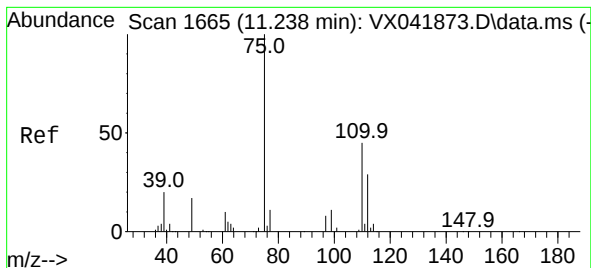
Tgt Ion:164 Resp: 275
Ion Ratio Lower Upper
164 100
166 141.9 105.0 157.6
129 113.6 67.1 100.7#
131 74.3 64.2 96.2



#63
Toluene-d8
Concen: 30.708 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Tgt Ion: 98 Resp: 138846
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1





#72

1,2,3-Trichloropropane

Concen: 12.150 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042558.D

Acq: 25 Jul 2024 11:06

Instrument :

MSVOA_X

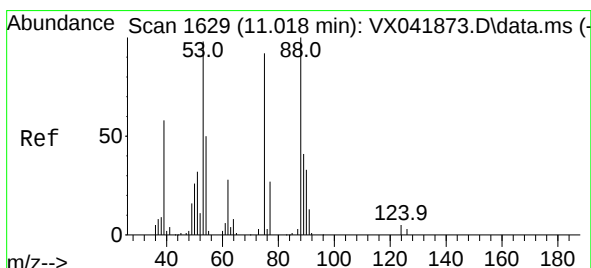
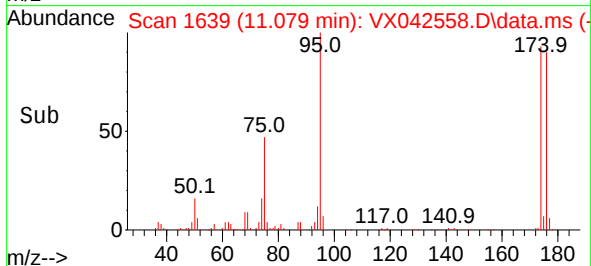
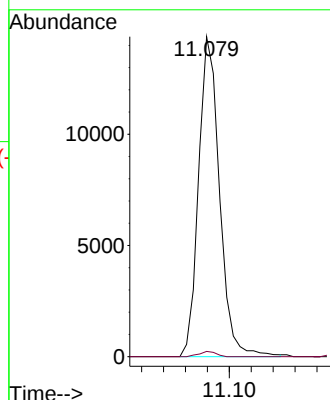
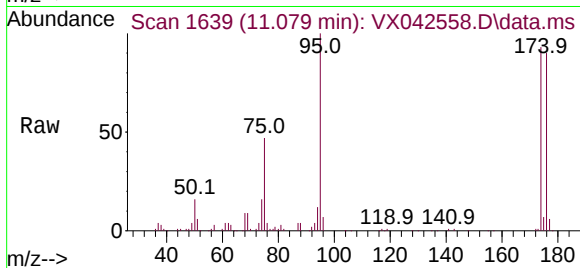
ClientSampleId :

Tgt Ion: 75 Resp: 19099

Ion Ratio Lower Upper

75 100

77 1.3 0.0 79.6



#77

t-1,4-Dichloro-2-butene

Concen: 33.128 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042558.D

Acq: 25 Jul 2024 11:06

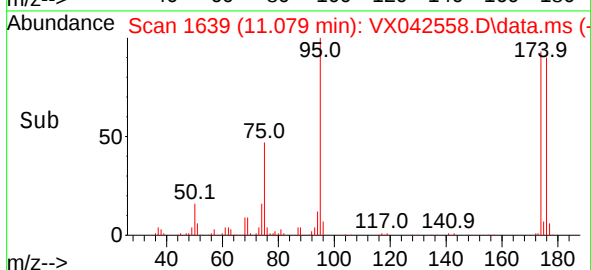
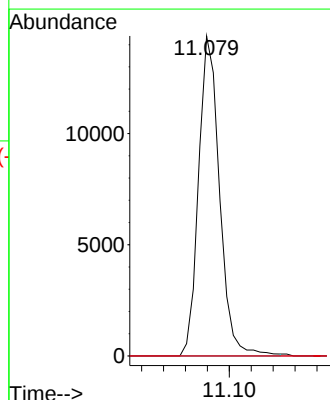
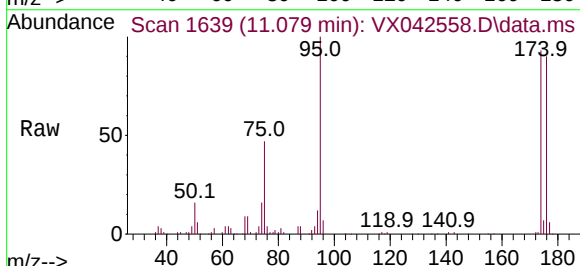
Tgt Ion: 75 Resp: 19099

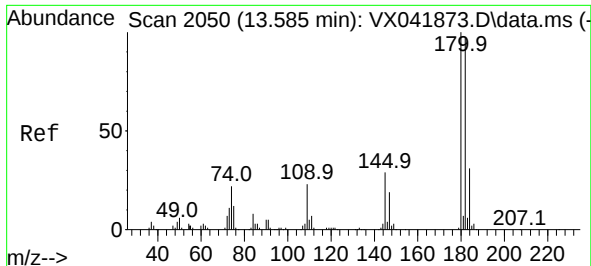
Ion Ratio Lower Upper

75 100

53 0.0 53.4 160.2#

89 0.0 22.5 67.5#





#89

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX042558.D

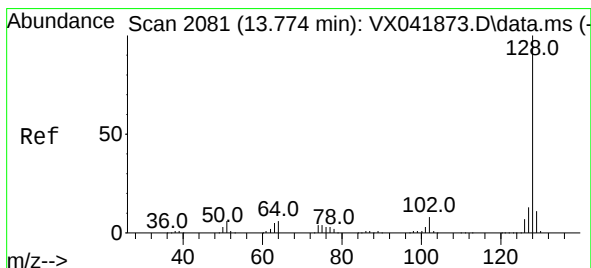
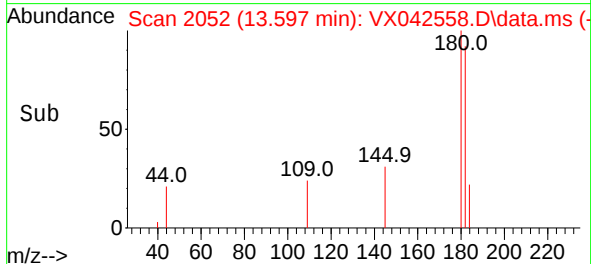
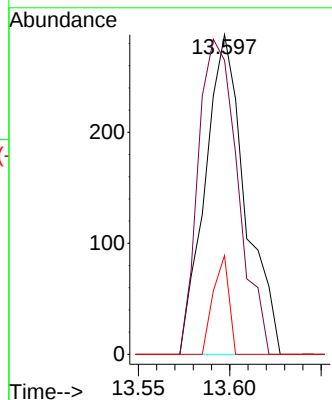
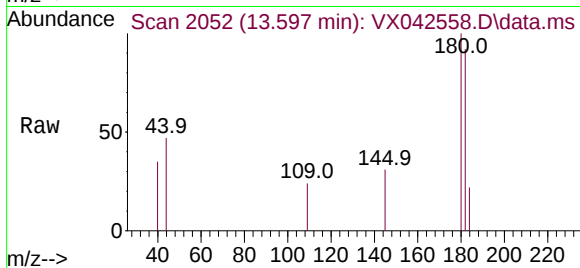
Acq: 25 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	441
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.9 115.3
145	12.0	22.8 34.2#



#91

Naphthalene

Concen: 0.287 ug/l

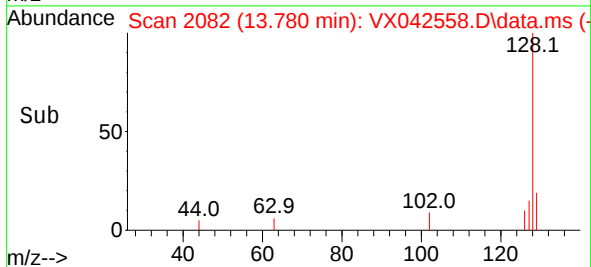
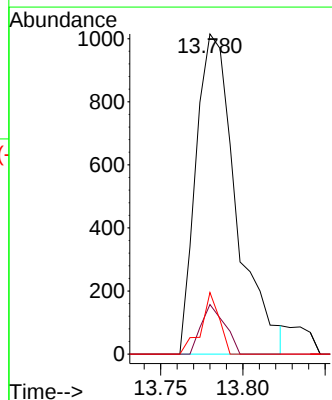
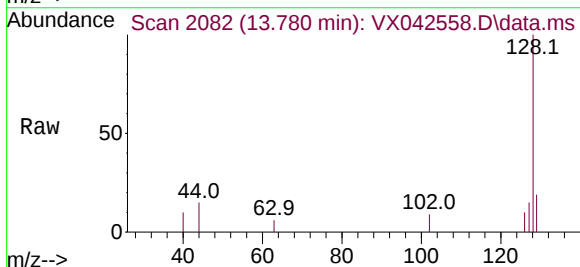
RT: 13.780 min Scan# 2082

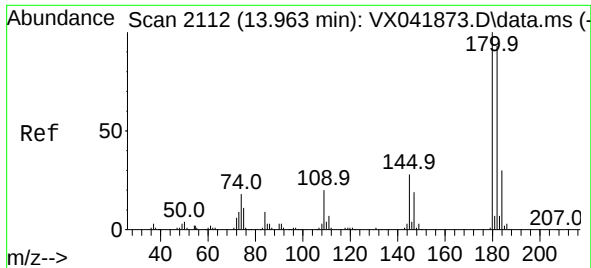
Delta R.T. 0.006 min

Lab File: VX042558.D

Acq: 25 Jul 2024 11:06

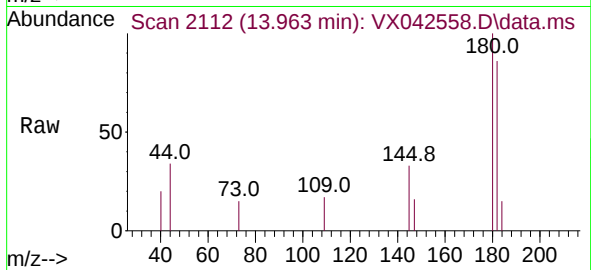
Tgt Ion:128	Resp:	1727
Ion Ratio	Lower	Upper
128	100	
127	9.0	10.4 15.6#
129	8.6	8.7 13.1#





#92
1,2,3-Trichlorobenzene
Concen: 0.257 ug/l
RT: 13.963 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042558.D
Acq: 25 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	180	Resp:	535
Ion	Ratio	Lower	Upper
180	100		
182	76.6	0.0	187.8
145	17.9	0.0	58.4

