

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041627.D
 Acq On : 23 May 2024 14:35
 Operator : JC/MD
 Sample : P2584-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 06:44:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

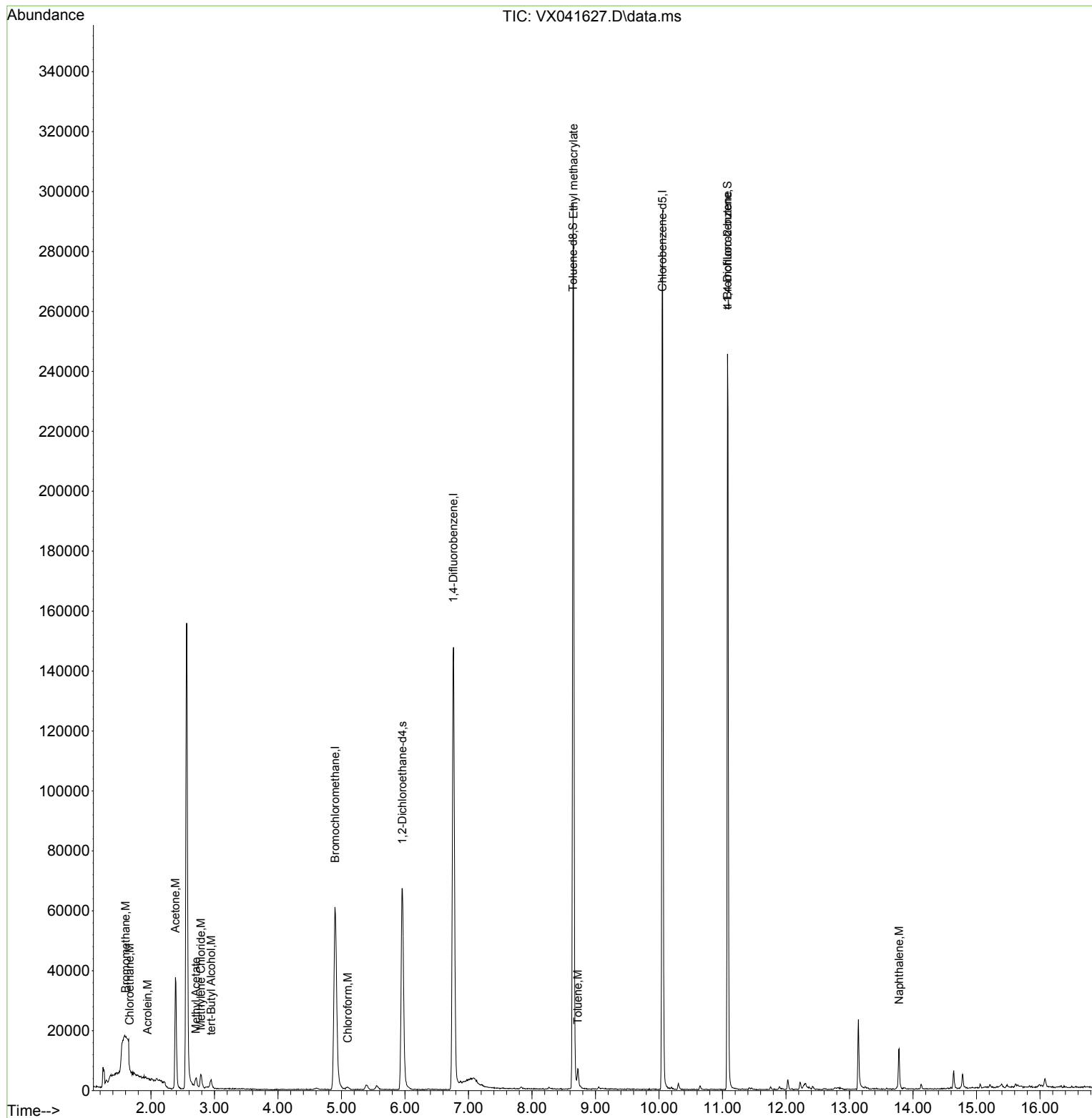
Internal Standards						
1) Bromochloromethane	4.898	128	28661	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	157936	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	140810	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	68238	30.233	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.767%
60) 4-Bromofluorobenzene	11.079	95	62397	28.386	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.633%
63) Toluene-d8	8.647	98	178890	29.637	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	312	0.284	ug/l	94
6) Chloroethane	1.666	64	307	0.351	ug/l #	39
12) Methyl Acetate	2.709	43	3213	1.455	ug/l #	89
13) Acrolein	1.947	56	68	0.253	ug/l	88
15) Acetone	2.386	58	11855	45.569	ug/l	93
18) Methylene Chloride	2.788	84	2322	1.331	ug/l	92
23) tert-Butyl Alcohol	2.947	59	1746	4.237	ug/l #	100
25) Chloroform	5.099	83	1109	0.339	ug/l	90
51) Ethyl methacrylate	8.653	69	590	0.215	ug/l	97
62) Toluene	8.720	91	4073	0.581	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	31869	42.293	ug/l #	1
91) Naphthalene	13.780	128	10323	1.235	ug/l	98

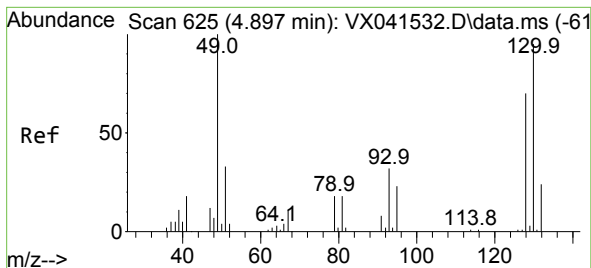
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
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Sample : P2584-01 20X
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 24 06:44:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.898 min Scan# 61

Delta R.T. 0.001 min

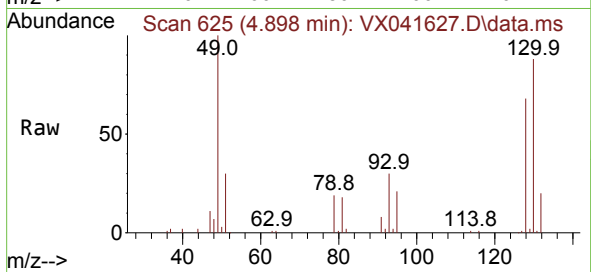
Lab File: VX041627.D

Acq: 23 May 2024 14:35

Instrument :

MSVOA_X

ClientSampleId :



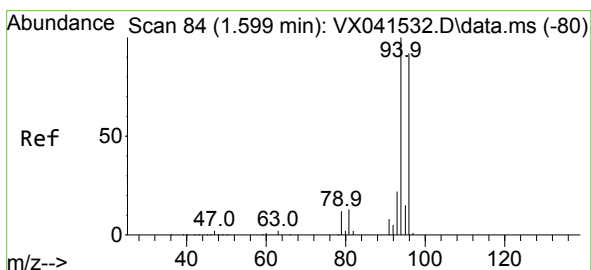
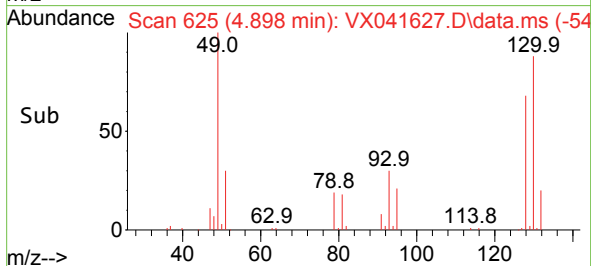
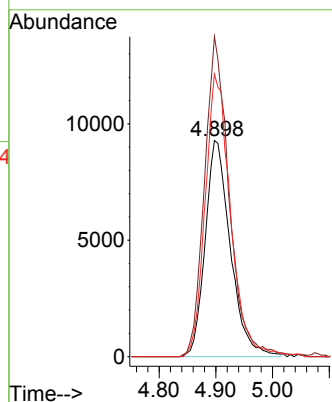
Tgt Ion:128 Resp: 28661

Ion Ratio Lower Upper

128 100

49 143.1 0.0 361.5

130 130.5 0.0 324.3



#5

Bromomethane

Concen: 0.284 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041627.D

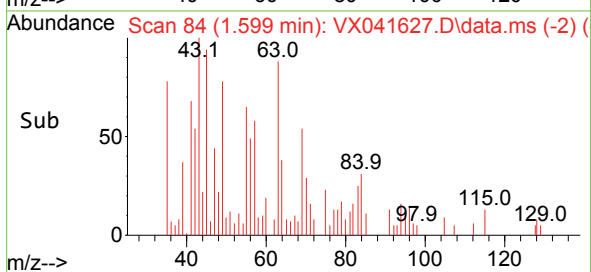
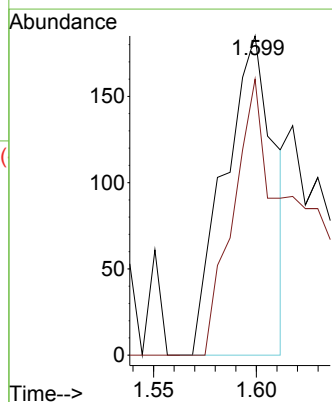
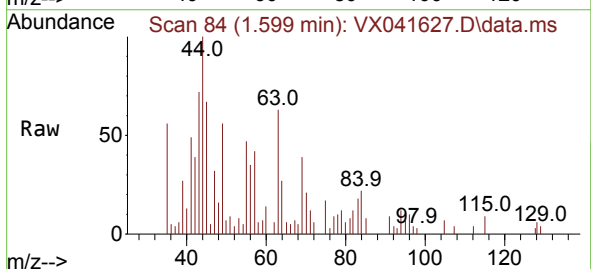
Acq: 23 May 2024 14:35

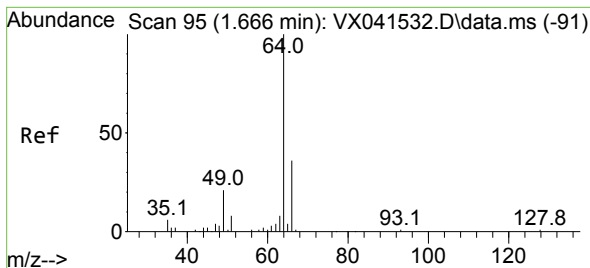
Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

94 100

96 86.5 73.9 110.9

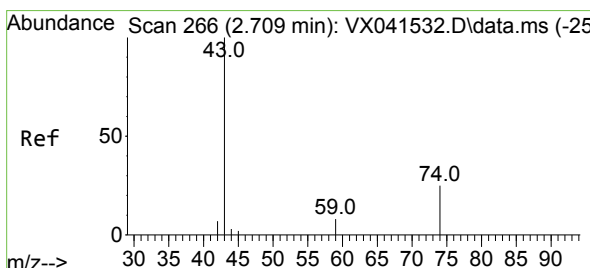
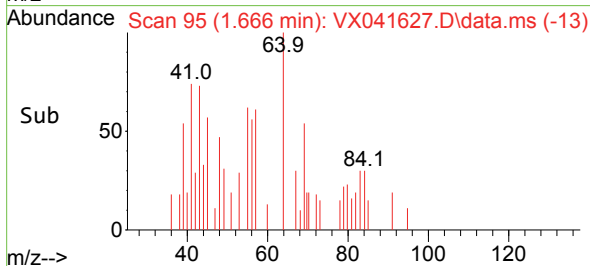
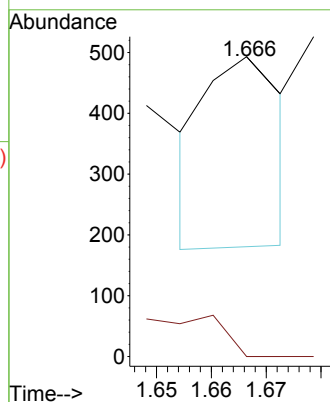
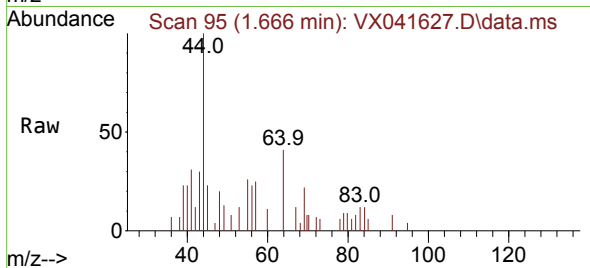




#6
 Chloroethane
 Concen: 0.351 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX041627.D
 Acq: 23 May 2024 14:35

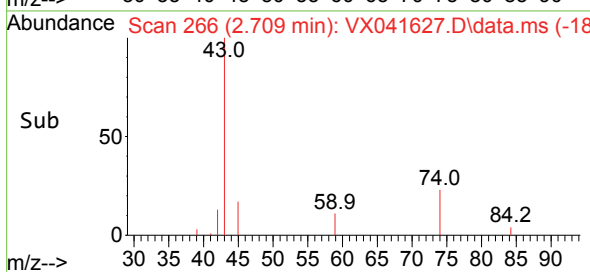
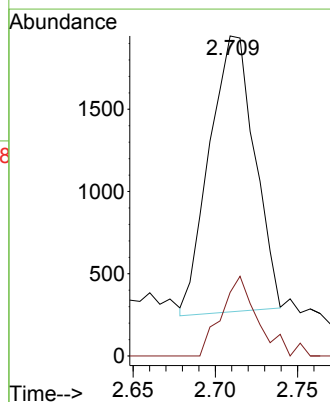
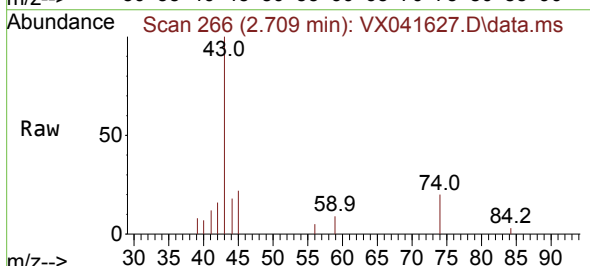
Instrument :
 MSVOA_X
 ClientSampleId :

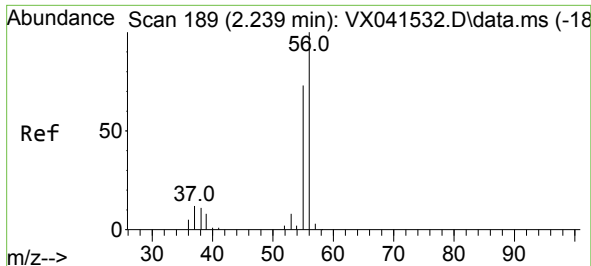
Tgt Ion: 64 Resp: 307
 Ion Ratio Lower Upper
 64 100
 66 0.0 28.6 42.8#



#12
 Methyl Acetate
 Concen: 1.455 ug/l
 RT: 2.709 min Scan# 266
 Delta R.T. 0.000 min
 Lab File: VX041627.D
 Acq: 23 May 2024 14:35

Tgt Ion: 43 Resp: 3213
 Ion Ratio Lower Upper
 43 100
 74 19.4 19.9 29.9#





#13

Acrolein

Concen: 0.253 ug/l

RT: 1.947 min Scan# 14

Delta R.T. -0.292 min

Lab File: VX041627.D

Acq: 23 May 2024 14:35

Instrument :

MSVOA_X

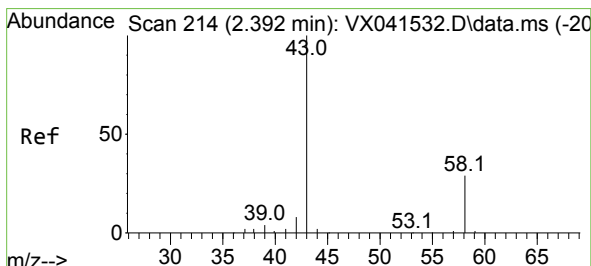
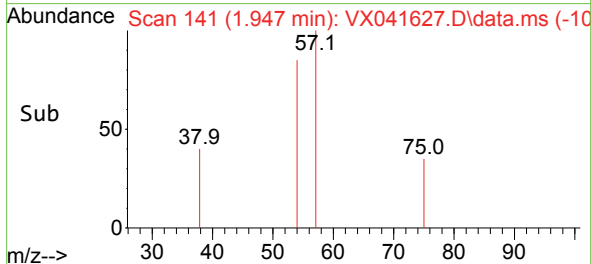
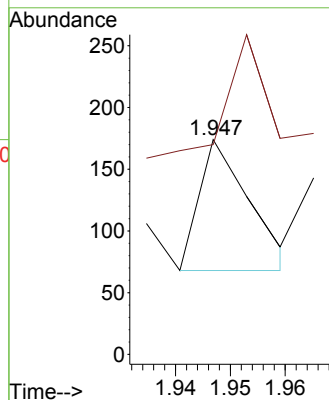
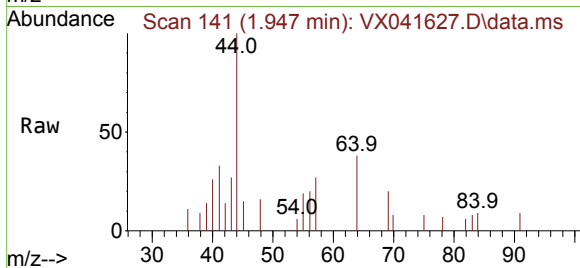
ClientSampleId :

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 58.8 55.1 82.7



#15

Acetone

Concen: 45.569 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041627.D

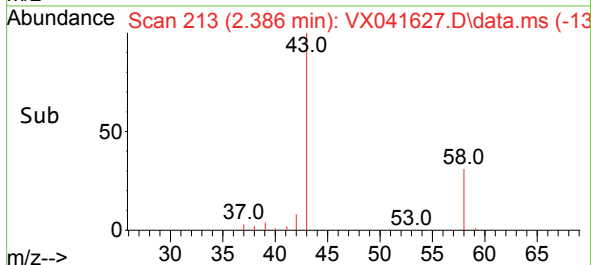
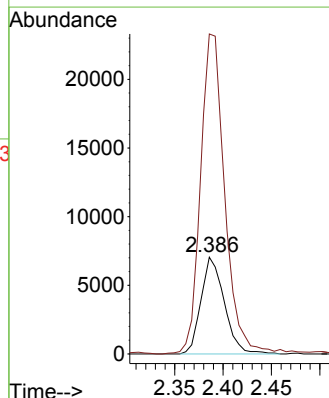
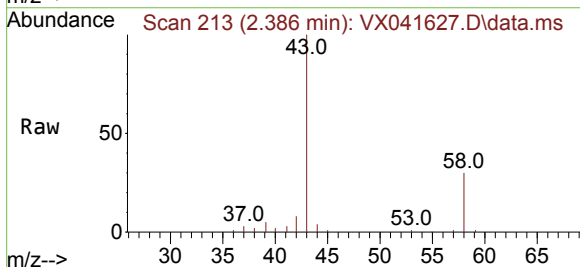
Acq: 23 May 2024 14:35

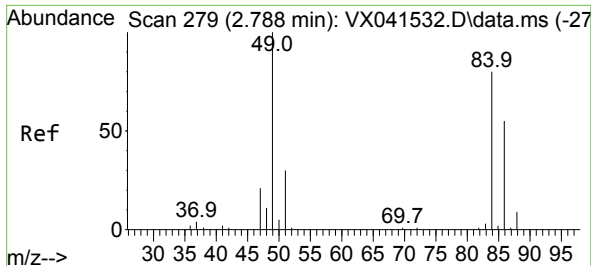
Tgt Ion: 58 Resp: 11855

Ion Ratio Lower Upper

58 100

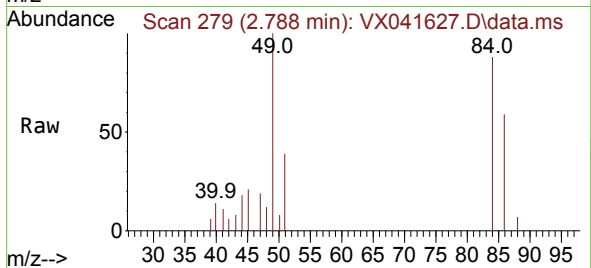
43 328.3 274.0 411.0



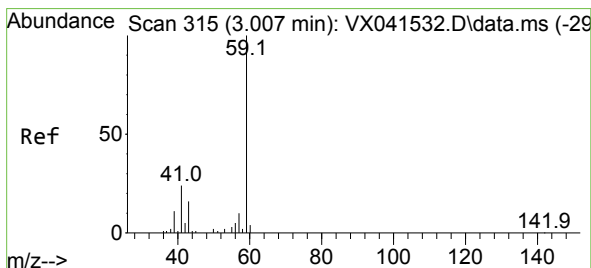
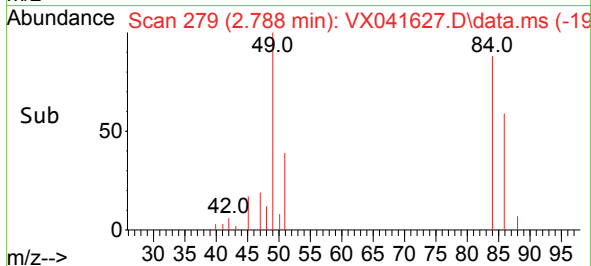
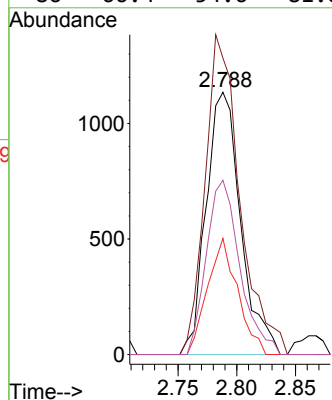


#18
Methylene Chloride
Concen: 1.331 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Instrument :
MSVOA_X
ClientSampleId :

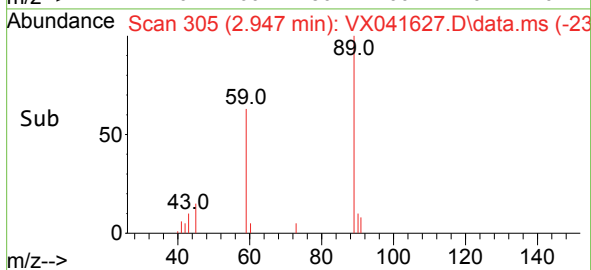
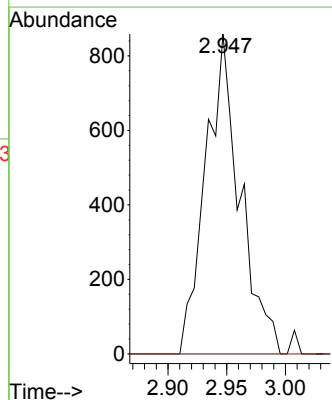
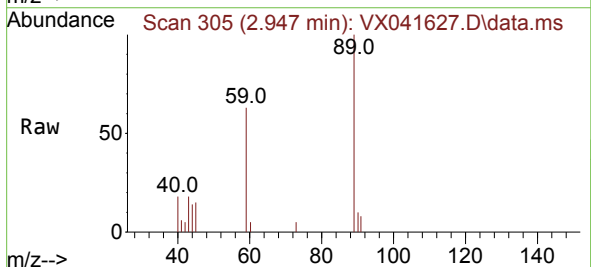


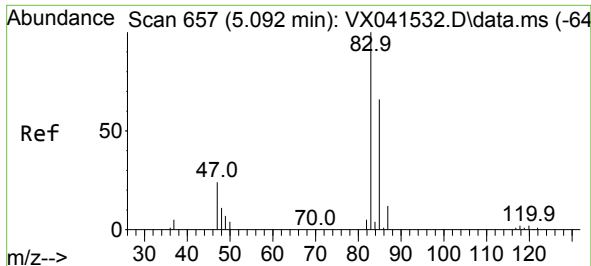
Tgt Ion: 84	Resp: 2322
Ion Ratio	Lower Upper
84 100	
49 113.0	99.8 149.8
51 44.3	30.2 45.4
86 66.4	54.6 81.8



#23
tert-Butyl Alcohol
Concen: 4.237 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Tgt Ion: 59	Resp: 1746
Ion Ratio	Lower Upper
59 100	
52 0.0	0.0 0.0





#25

Chloroform

Concen: 0.339 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX041627.D

Acq: 23 May 2024 14:35

Instrument :

MSVOA_X

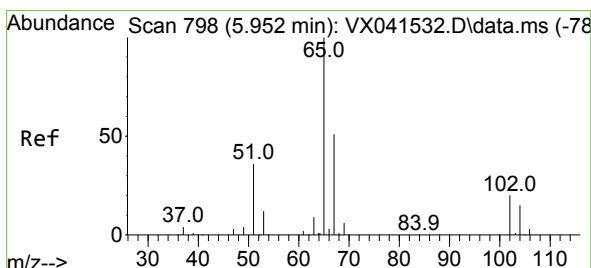
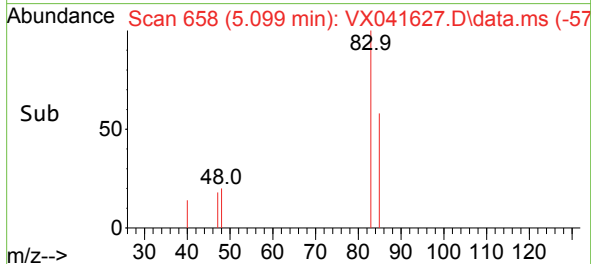
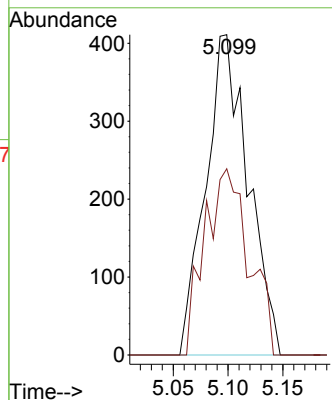
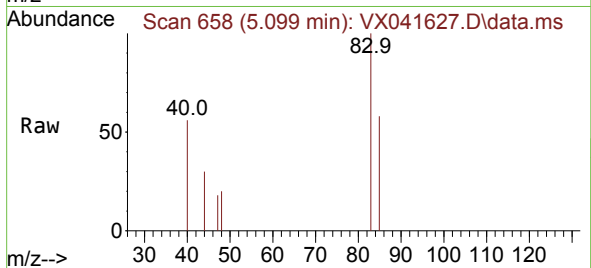
ClientSampleId :

Tgt Ion: 83 Resp: 1109

Ion Ratio Lower Upper

83 100

85 58.2 52.9 79.3



#27

1,2-Dichloroethane-d4

Concen: 30.233 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX041627.D

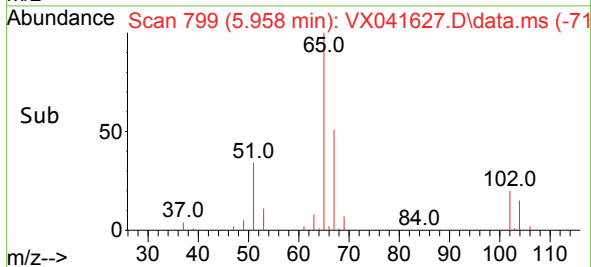
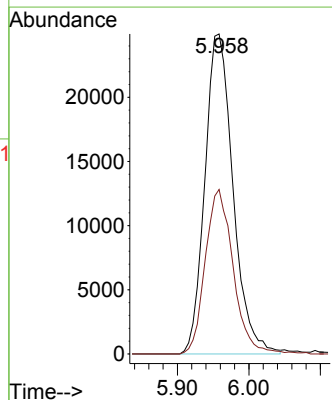
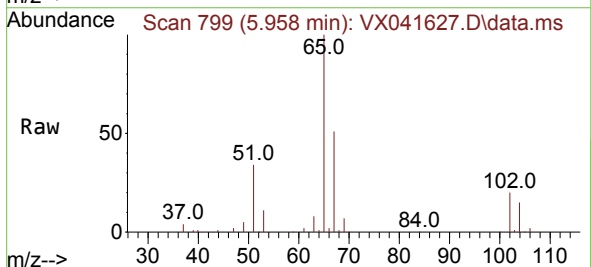
Acq: 23 May 2024 14:35

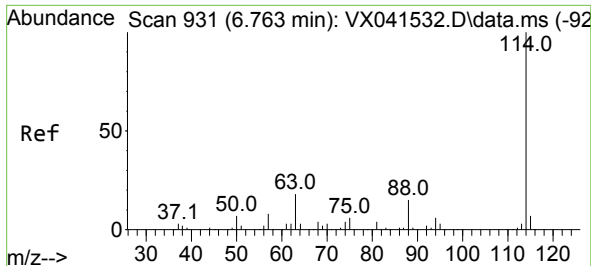
Tgt Ion: 65 Resp: 68238

Ion Ratio Lower Upper

65 100

67 50.8 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041627.D

Acq: 23 May 2024 14:35

Instrument :

MSVOA_X

ClientSampleId :

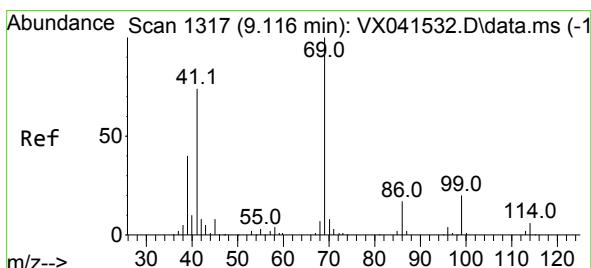
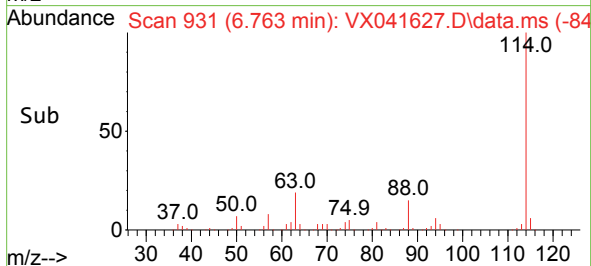
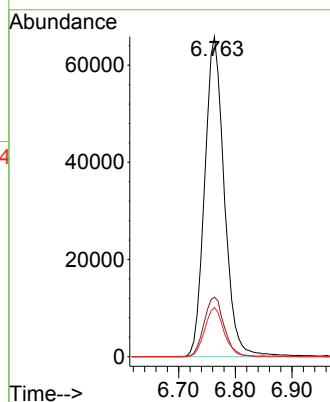
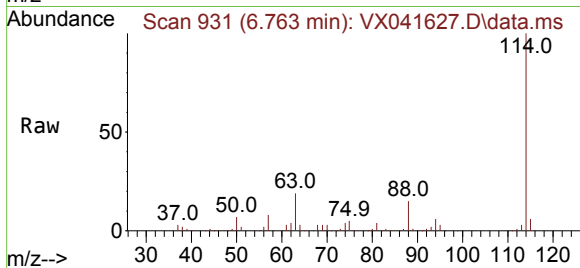
Tgt Ion:114 Resp: 157936

Ion Ratio Lower Upper

114 100

63 19.0 15.4 23.0

88 15.2 12.2 18.2



#51

Ethyl methacrylate

Concen: 0.215 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041627.D

Acq: 23 May 2024 14:35

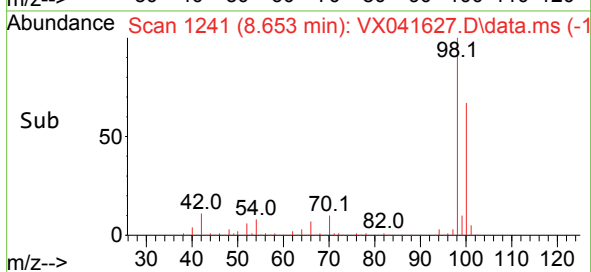
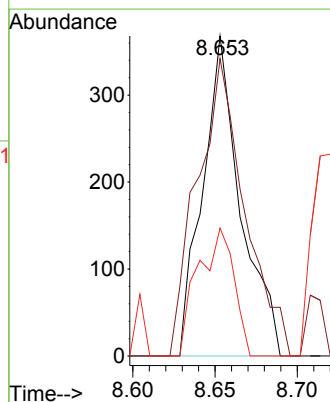
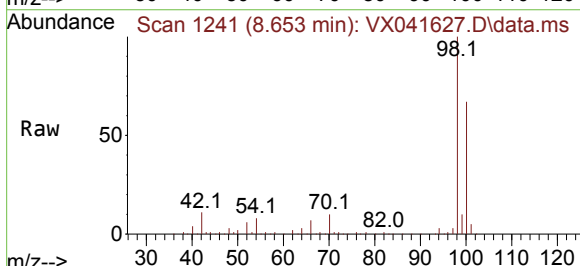
Tgt Ion: 69 Resp: 590

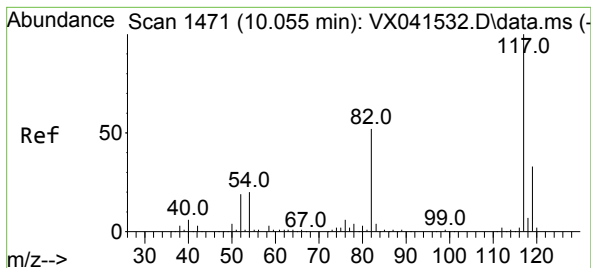
Ion Ratio Lower Upper

69 100

41 77.7 37.1 111.3

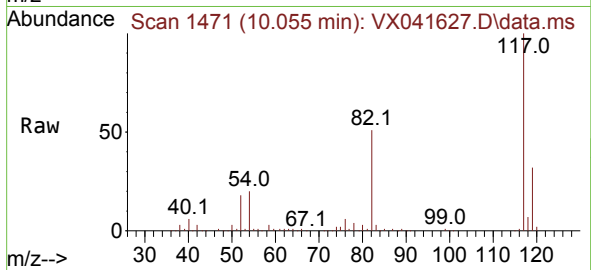
39 39.9 20.2 60.6



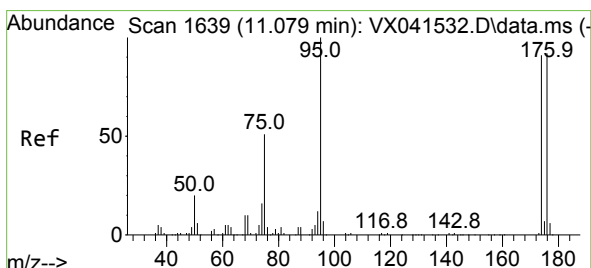
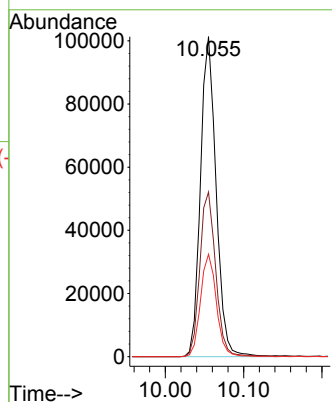
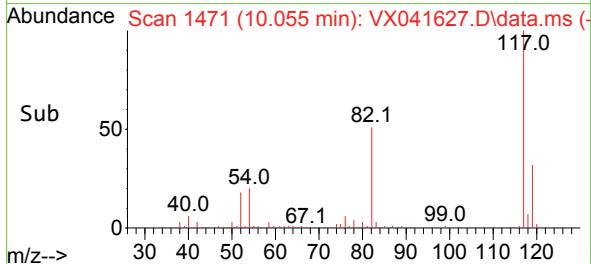


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Instrument :
MSVOA_X
ClientSampleId :

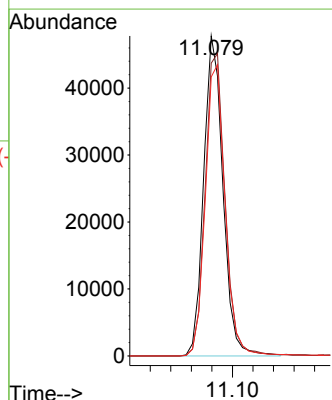
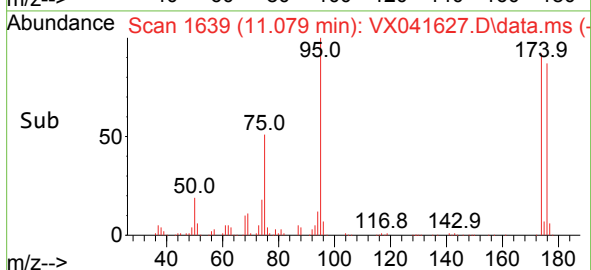
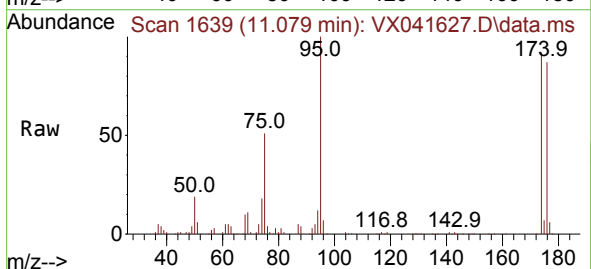


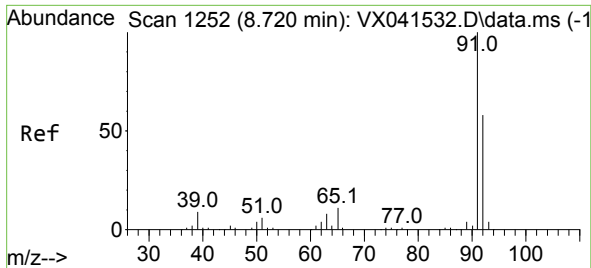
Tgt Ion:117 Resp: 140810
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.4 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 28.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Tgt Ion: 95 Resp: 62397
Ion Ratio Lower Upper
95 100
174 97.9 76.6 115.0
176 93.8 75.4 113.0

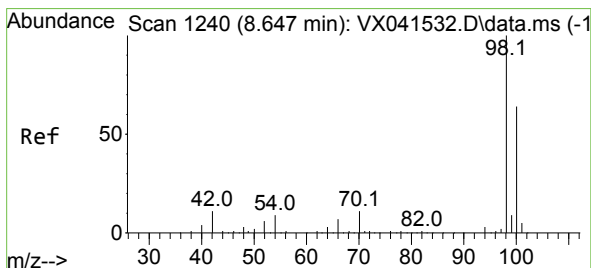
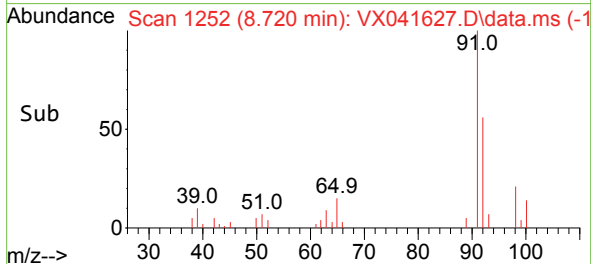
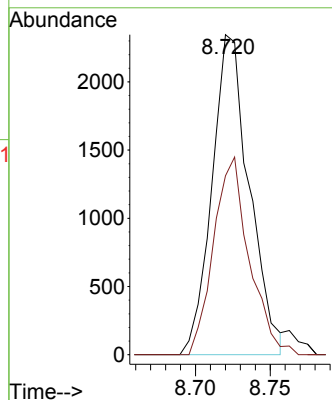
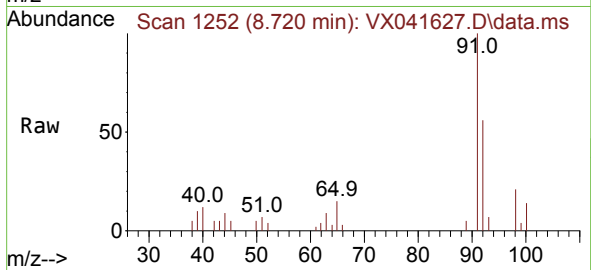




#62
Toluene
Concen: 0.581 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

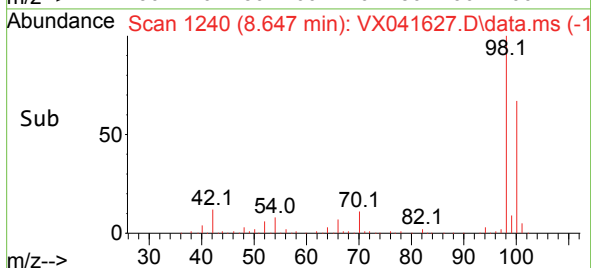
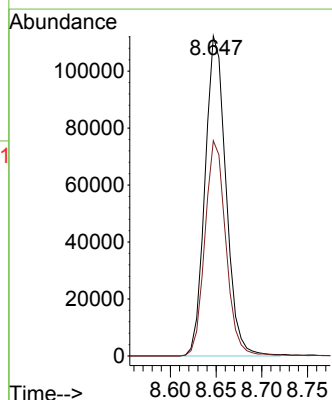
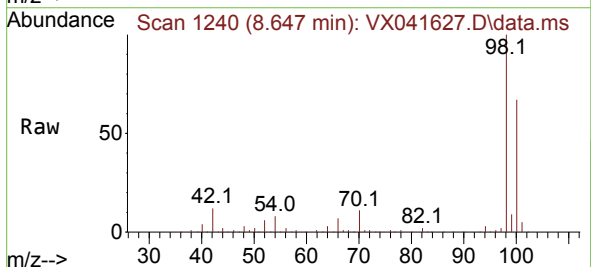
Instrument :
MSVOA_X
ClientSampleId :

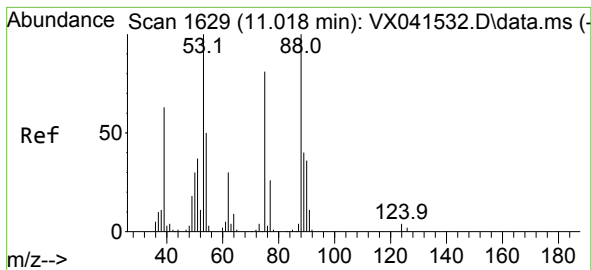
Tgt Ion: 91 Resp: 4073
Ion Ratio Lower Upper
91 100
92 58.9 47.0 70.6



#63
Toluene-d8
Concen: 29.637 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Tgt Ion: 98 Resp: 178890
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7

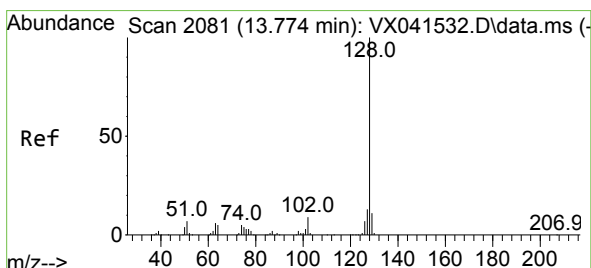
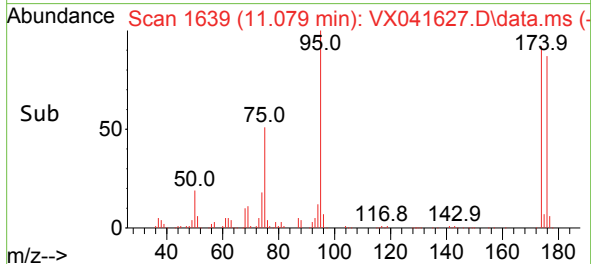
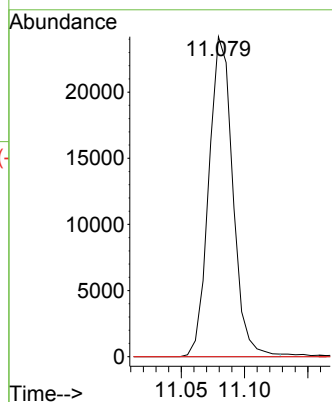
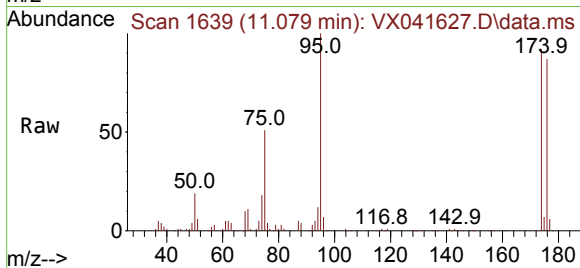




#77
t-1,4-Dichloro-2-butene
Concen: 42.293 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 31869
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



#91
Naphthalene
Concen: 1.235 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041627.D
Acq: 23 May 2024 14:35

Tgt Ion:128 Resp: 10323
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 12.4 8.8 13.2

