

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041563.D
 Acq On : 16 May 2024 15:06
 Operator : JC/MD
 Sample : P2505-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:40:15 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)

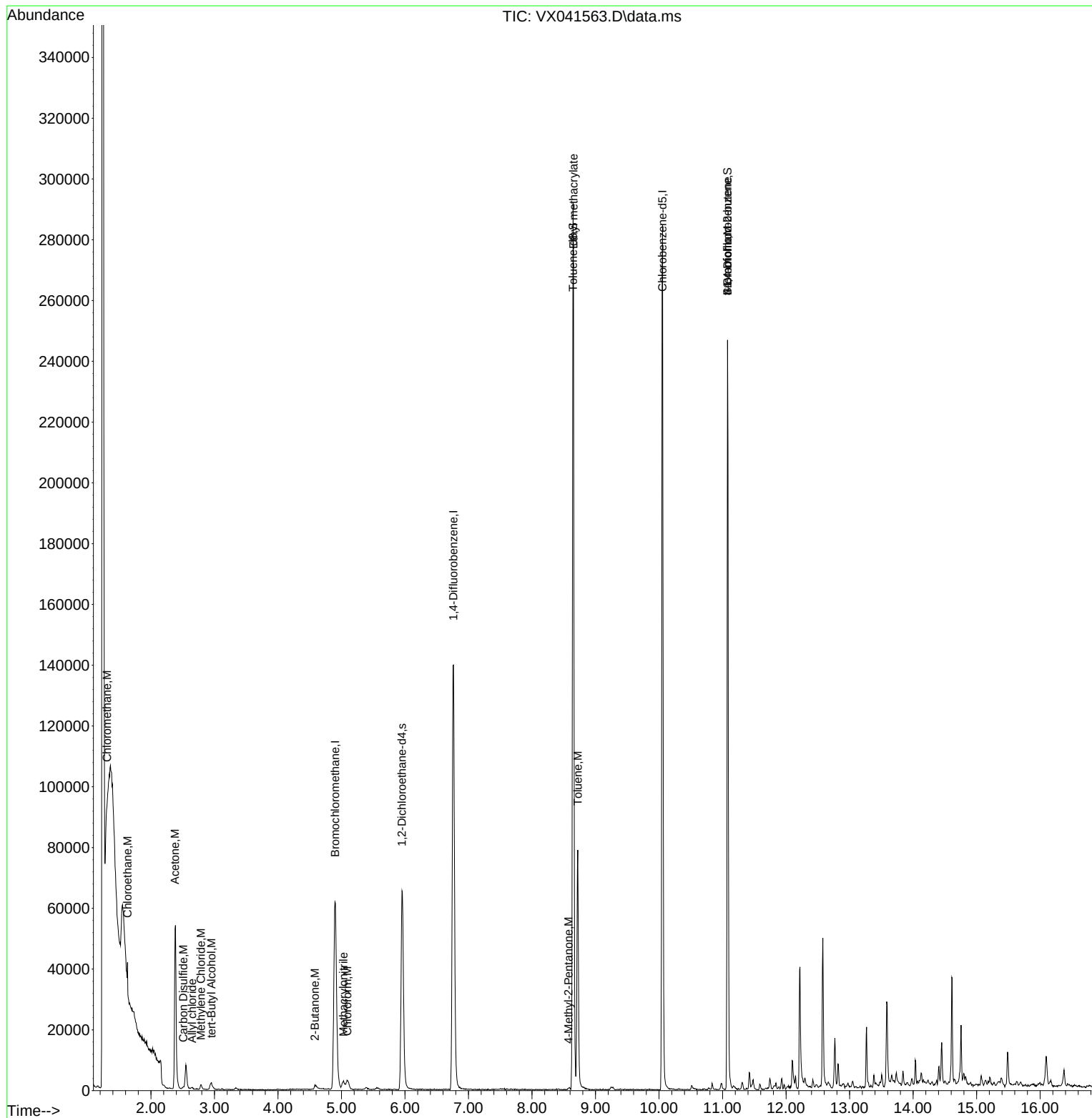
Internal Standards						
1) Bromochloromethane	4.897	128	28688	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	150882	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	137850	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66815	29.575	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.600%
60) 4-Bromofluorobenzene	11.079	95	61484	28.571	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.233%
63) Toluene-d8	8.647	98	177756	30.082	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.267%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	685	0.417	ug/l #	42
6) Chloroethane	1.630	64	4051	4.632	ug/l #	48
15) Acetone	2.380	58	17283	66.371	ug/l	96
16) Carbon Disulfide	2.508	76	831	0.251	ug/l #	74
17) Allyl chloride	2.648	41	614	0.236	ug/l #	46
18) Methylene Chloride	2.788	84	725	0.415	ug/l	94
23) tert-Butyl Alcohol	2.953	59	2211	5.361	ug/l #	100
25) Chloroform	5.092	83	1961	0.599	ug/l	98
30) 2-Butanone	4.580	43	1183	0.893	ug/l #	60
35) Methacrylonitrile	5.032	41	1665	1.246	ug/l #	46
51) Ethyl methacrylate	8.653	69	587	0.224	ug/l	97
56) Bromoform	11.079	173	674	0.453	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	755	0.300	ug/l #	56
62) Toluene	8.720	91	53290	7.769	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	30854	41.825	ug/l #	1

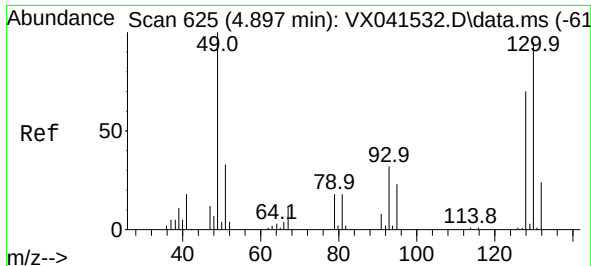
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
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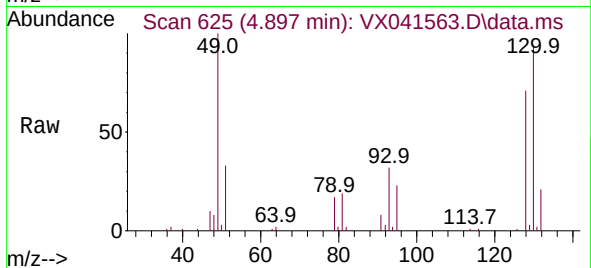
Quant Time: May 17 02:40:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



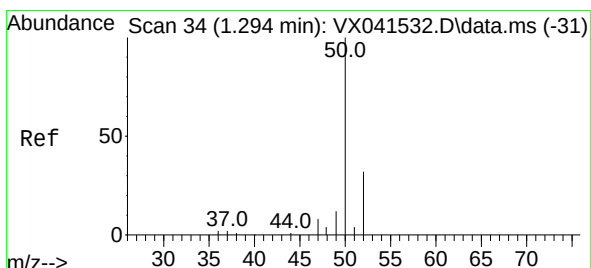
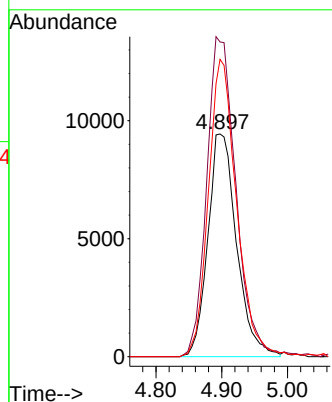
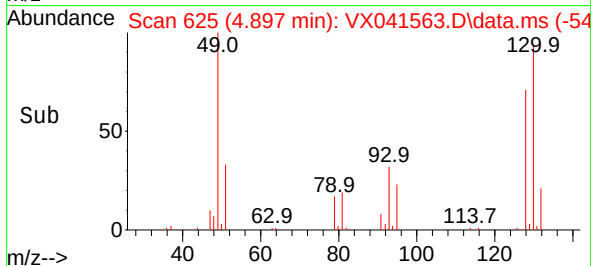


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

Instrument :
MSVOA_X
ClientSampleId :

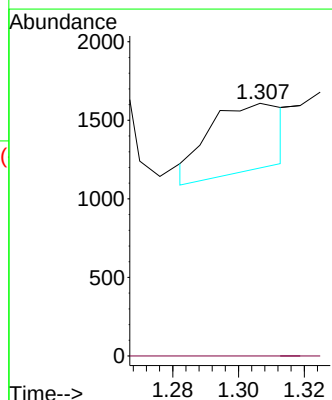
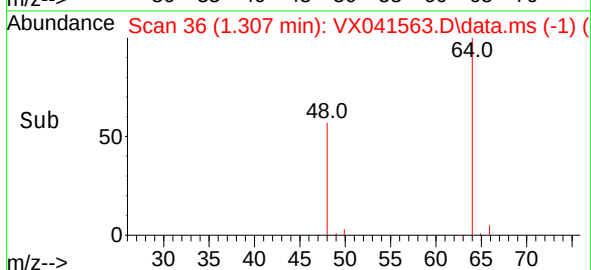
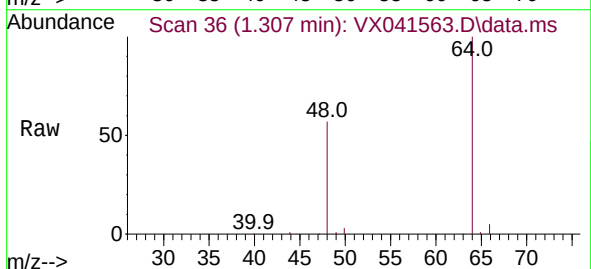


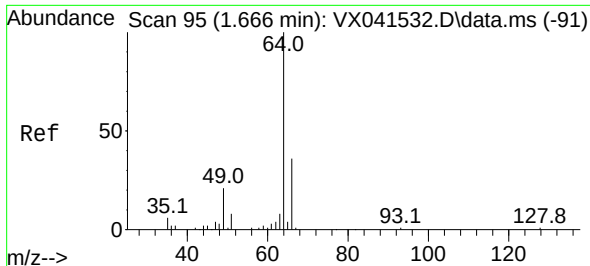
Tgt Ion:128 Resp: 28688
Ion Ratio Lower Upper
128 100
49 145.7 0.0 361.5
130 130.7 0.0 324.3



#3
Chloromethane
Concen: 0.417 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

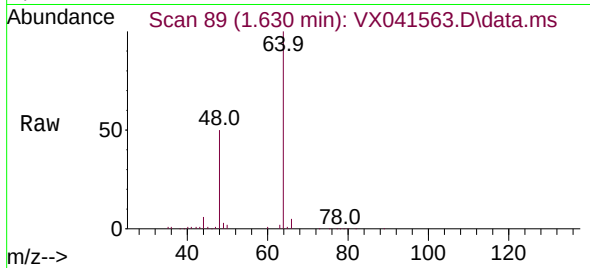
Tgt Ion: 50 Resp: 685
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



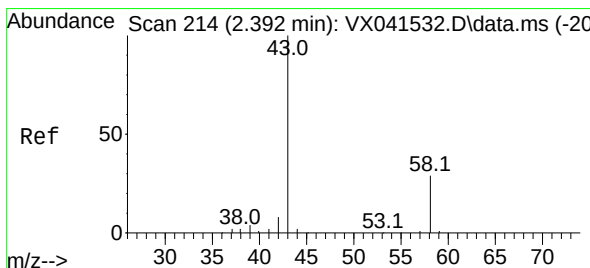
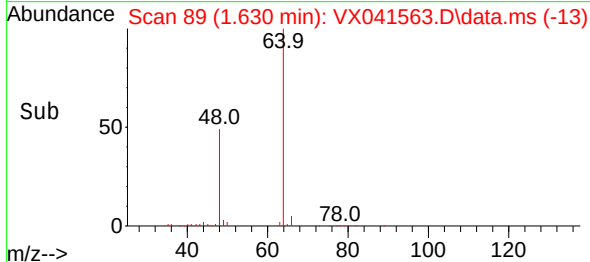
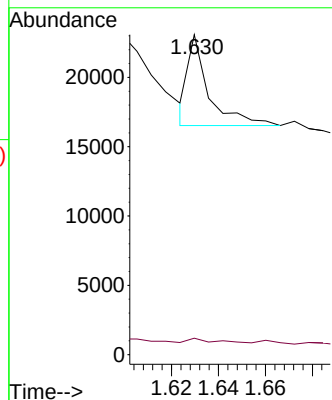


#6
Chloroethane
Concen: 4.632 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.037 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

Instrument :
MSVOA_X
ClientSampleId :

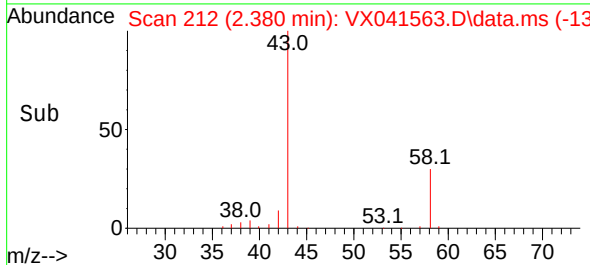
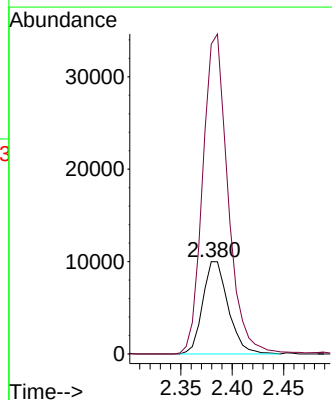
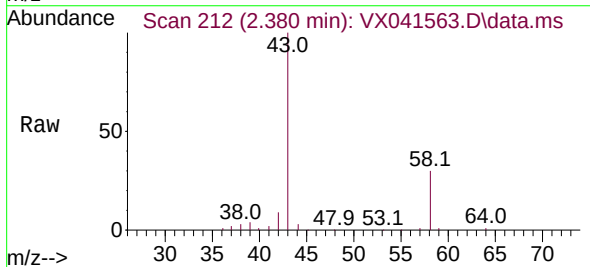


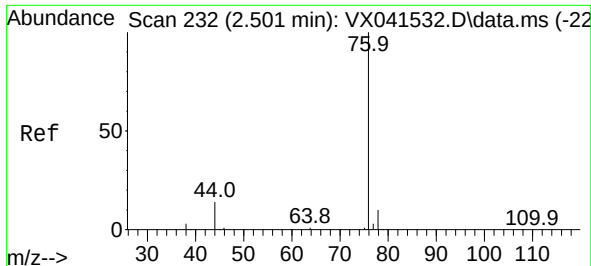
Tgt Ion: 64 Resp: 4051
Ion Ratio Lower Upper
64 100
66 5.1 28.6 42.8#



#15
Acetone
Concen: 66.371 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

Tgt Ion: 58 Resp: 17283
Ion Ratio Lower Upper
58 100
43 334.5 274.0 411.0





#16

Carbon Disulfide

Concen: 0.251 ug/l

RT: 2.508 min Scan# 24

Delta R.T. 0.006 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

Instrument :

MSVOA_X

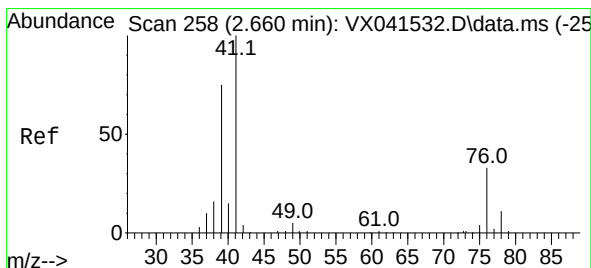
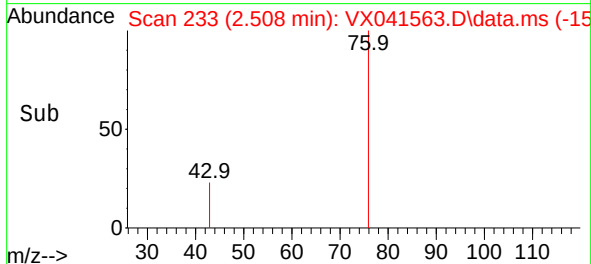
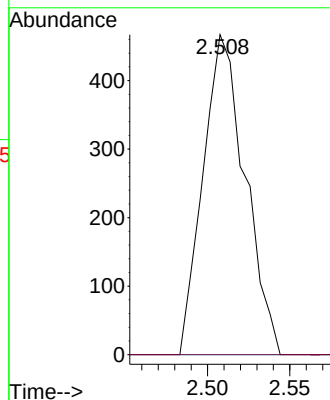
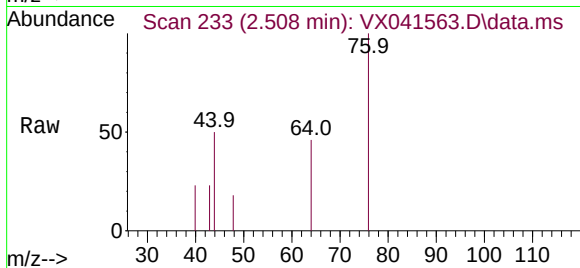
ClientSampleId :

Tgt Ion: 76 Resp: 831

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



#17

Allyl chloride

Concen: 0.236 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.012 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

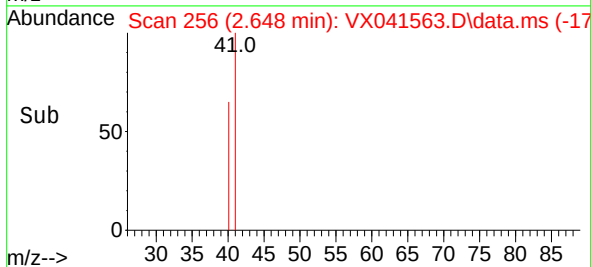
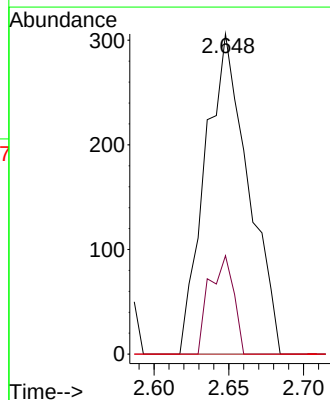
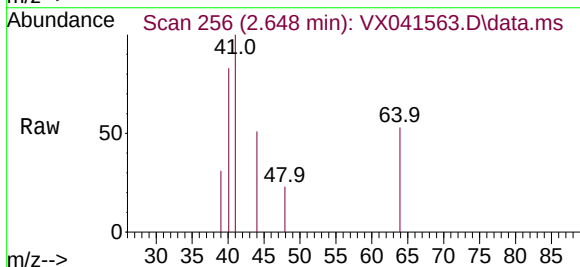
Tgt Ion: 41 Resp: 614

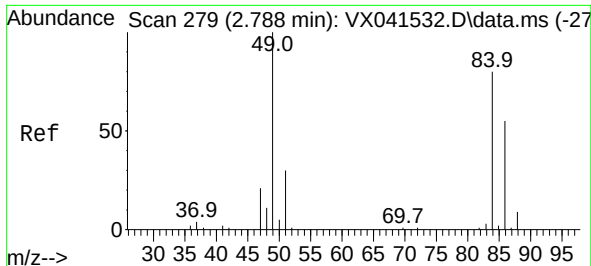
Ion Ratio Lower Upper

41 100

39 30.7 37.5 112.7#

76 0.0 16.6 49.8#





#18

Methylene Chloride

Concen: 0.415 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 725

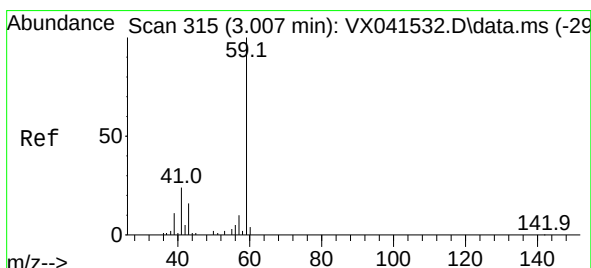
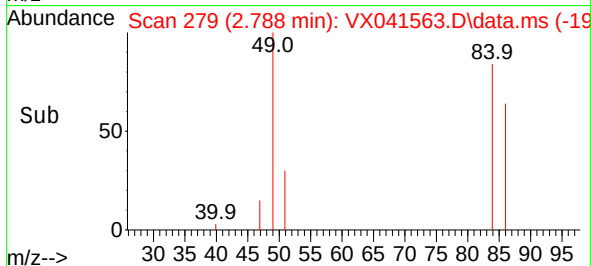
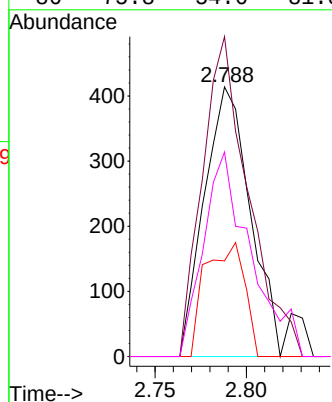
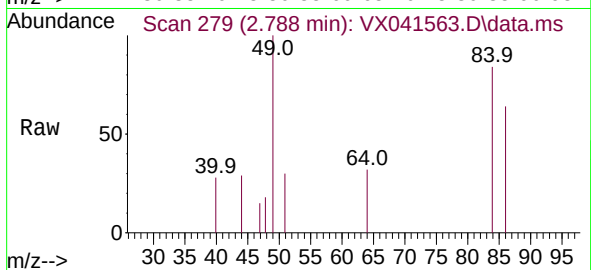
Ion Ratio Lower Upper

84 100

49 118.6 99.8 149.8

51 35.5 30.2 45.4

86 75.8 54.6 81.8



#23

tert-Butyl Alcohol

Concen: 5.361 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.055 min

Lab File: VX041563.D

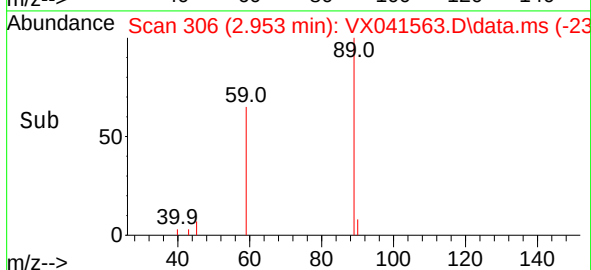
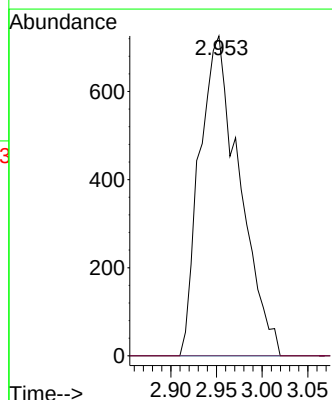
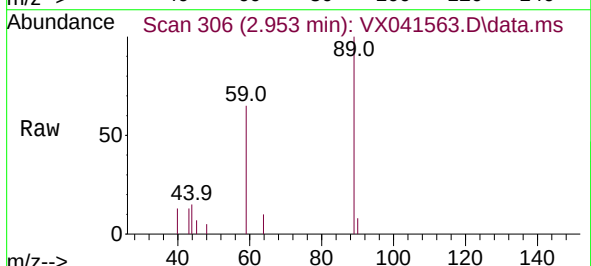
Acq: 16 May 2024 15:06

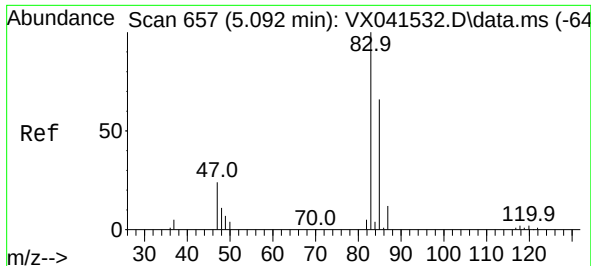
Tgt Ion: 59 Resp: 2211

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#25

Chloroform

Concen: 0.599 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

Instrument :

MSVOA_X

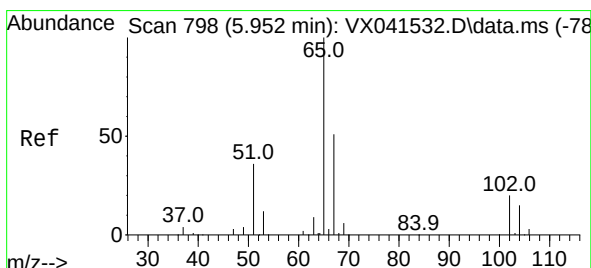
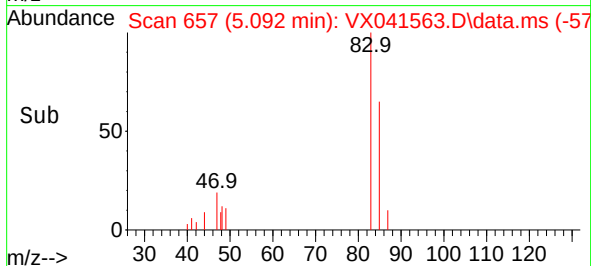
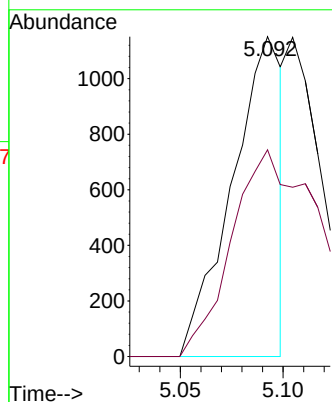
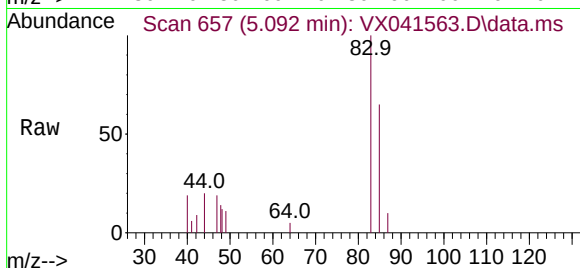
ClientSampleId :

Tgt Ion: 83 Resp: 1961

Ion Ratio Lower Upper

83 100

85 64.6 52.9 79.3



#27

1,2-Dichloroethane-d4

Concen: 29.575 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041563.D

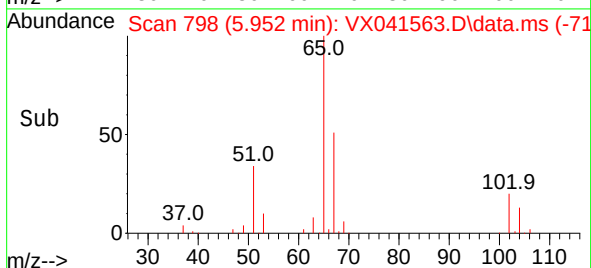
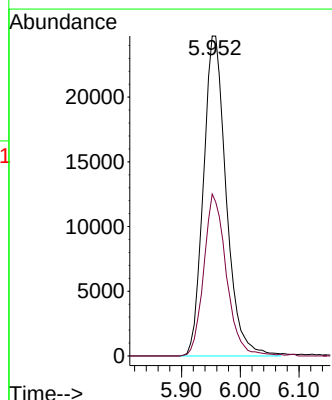
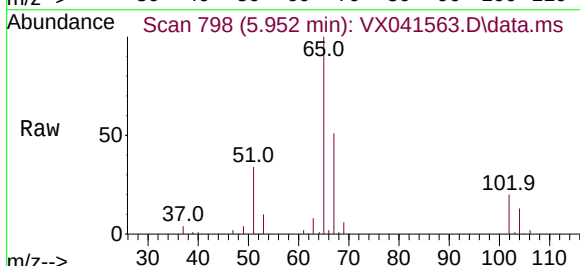
Acq: 16 May 2024 15:06

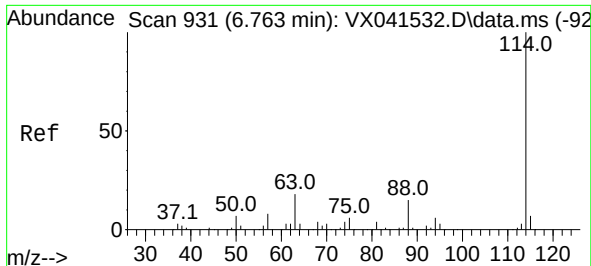
Tgt Ion: 65 Resp: 66815

Ion Ratio Lower Upper

65 100

67 49.9 40.8 61.2

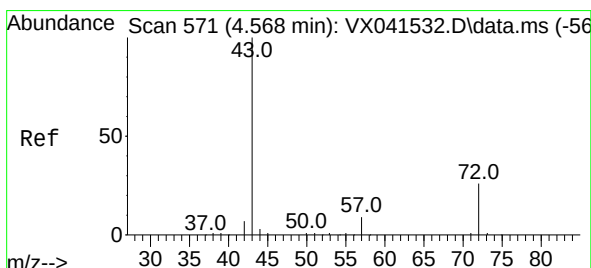
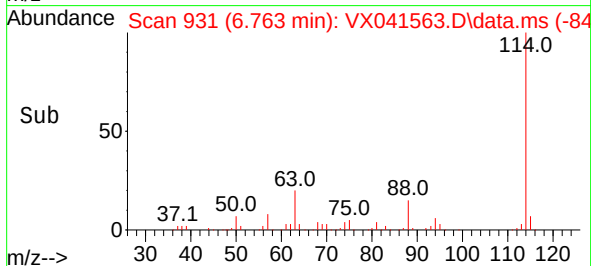
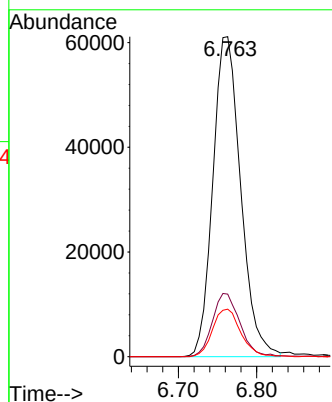
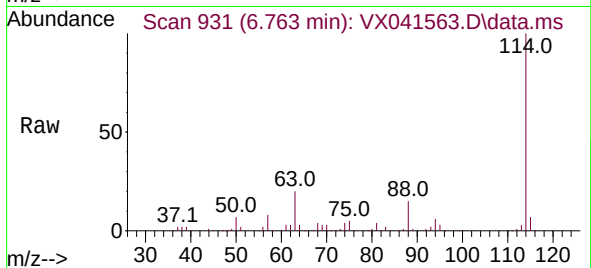




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

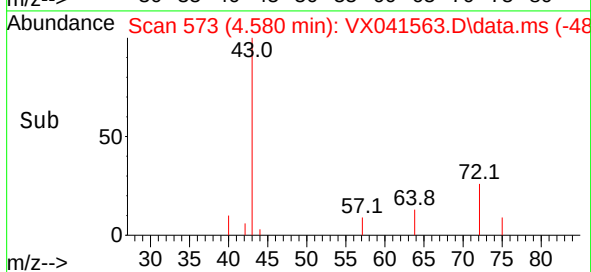
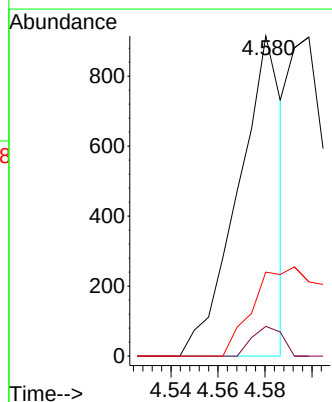
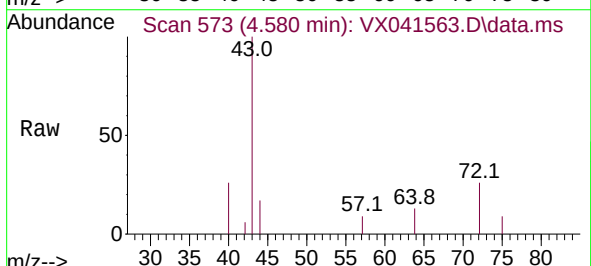
Instrument :
MSVOA_X
ClientSampleId :

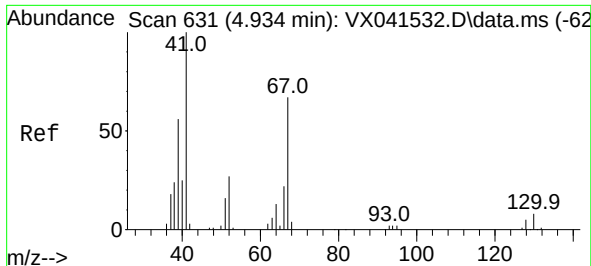
Tgt Ion:114 Resp: 150882
Ion Ratio Lower Upper
114 100
63 19.6 15.4 23.0
88 15.0 12.2 18.2



#30
2-Butanone
Concen: 0.893 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
57 6.4 6.6 10.0#
72 0.0 20.7 31.1#





#35

Methacrylonitrile

Concen: 1.246 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.098 min

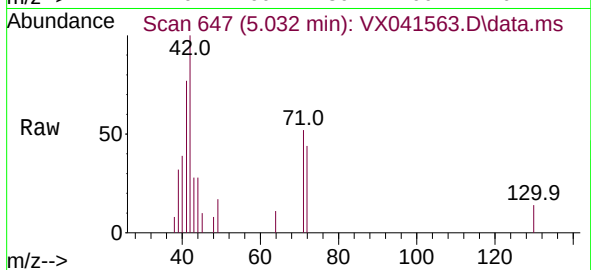
Lab File: VX041563.D

Acq: 16 May 2024 15:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 41 Resp: 1665

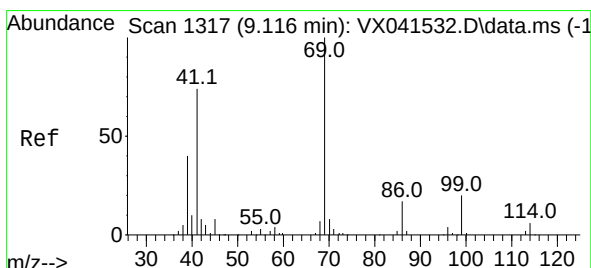
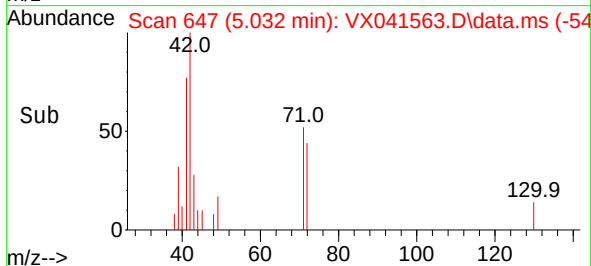
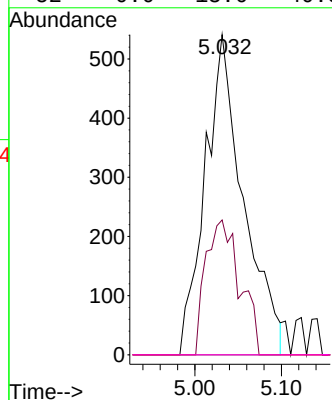
Ion Ratio Lower Upper

41 100

39 42.1 28.1 84.4

67 0.0 33.7 101.1#

52 0.0 13.6 40.8#



#51

Ethyl methacrylate

Concen: 0.224 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

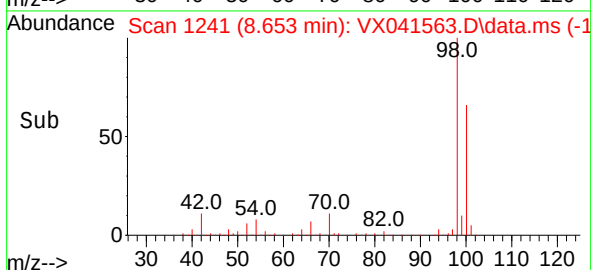
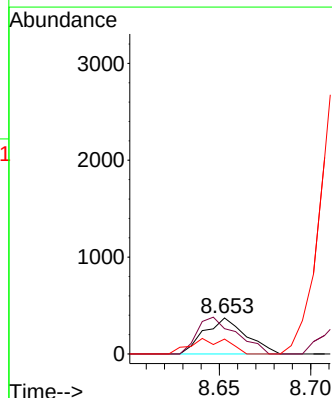
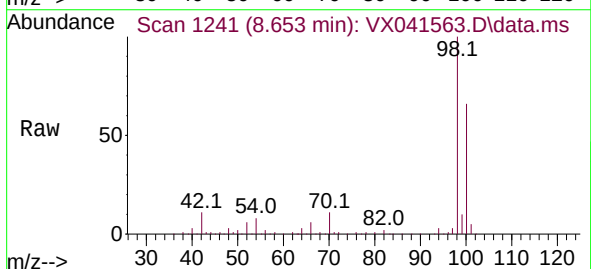
Tgt Ion: 69 Resp: 587

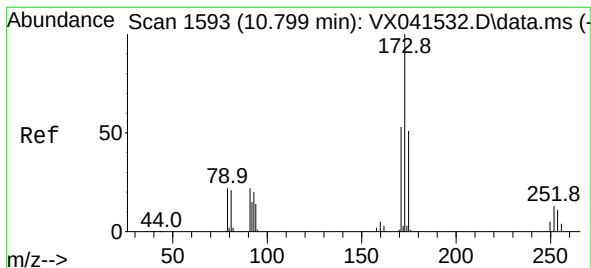
Ion Ratio Lower Upper

69 100

41 70.4 37.1 111.3

39 41.4 20.2 60.6





#56

Bromoform

Concen: 0.453 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

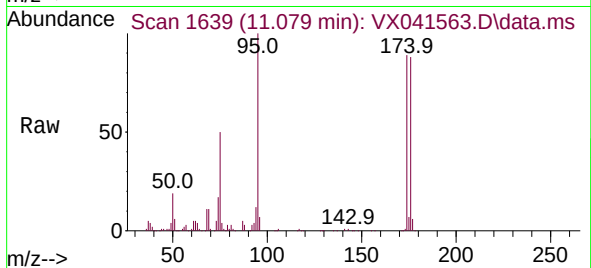
Lab File: VX041563.D

Acq: 16 May 2024 15:06

Instrument :

MSVOA_X

ClientSampleId :



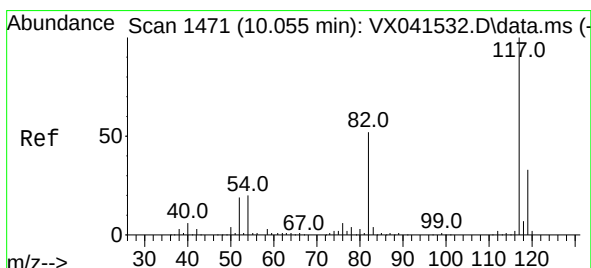
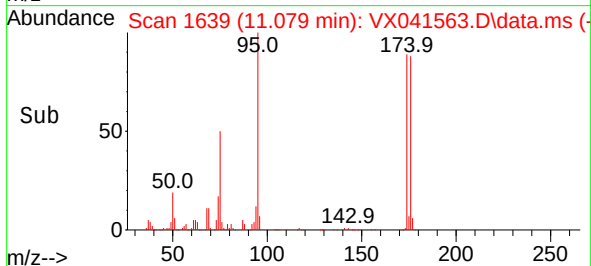
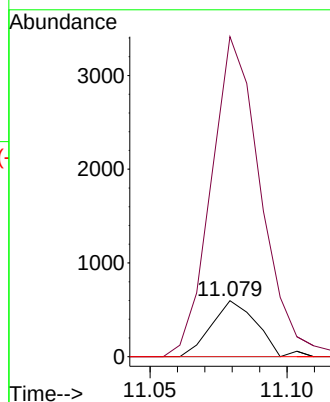
Tgt Ion:173 Resp: 674

Ion Ratio Lower Upper

173 100

175 642.1 39.0 58.6#

254 0.0 10.3 15.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

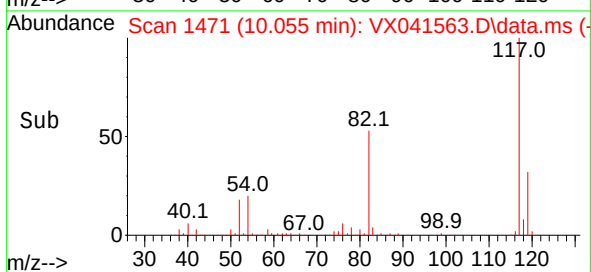
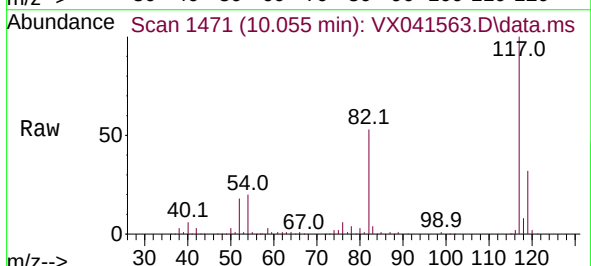
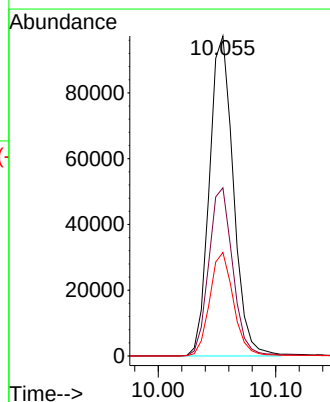
Tgt Ion:117 Resp: 137850

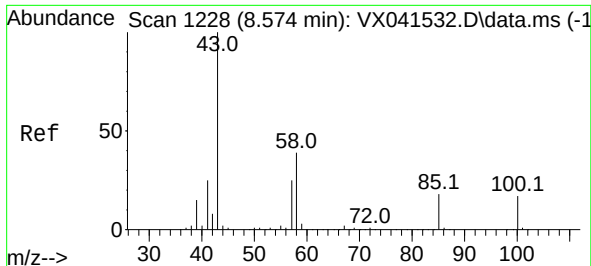
Ion Ratio Lower Upper

117 100

82 52.9 41.7 62.5

119 32.2 25.7 38.5

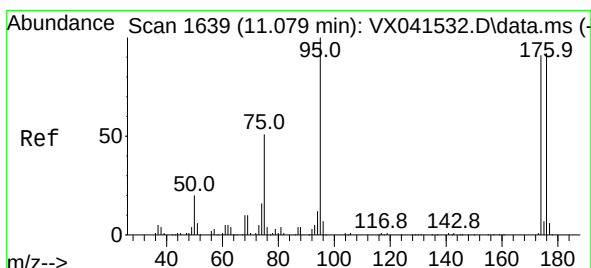
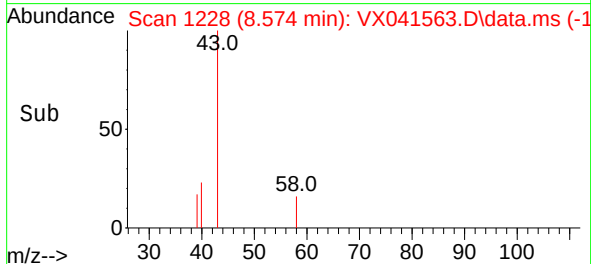
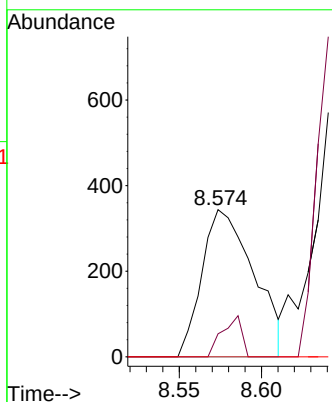
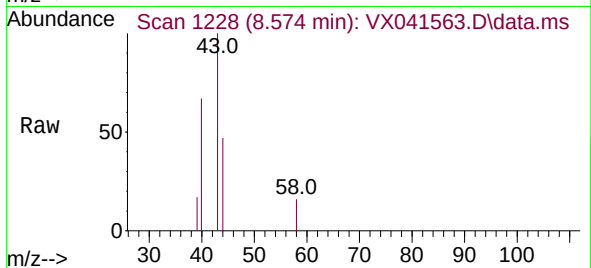




#58
4-Methyl-2-Pentanone
Concen: 0.300 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

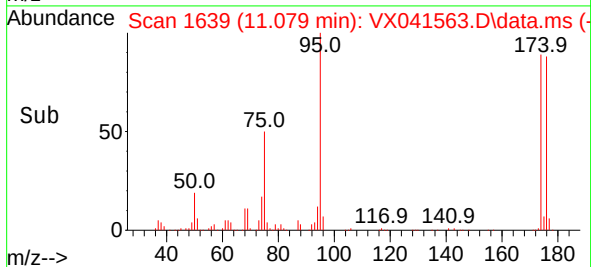
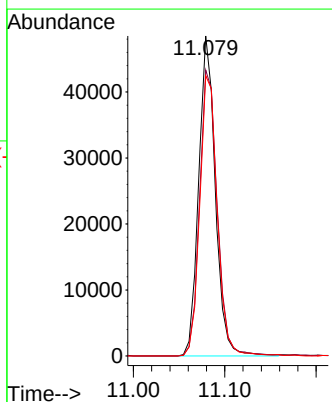
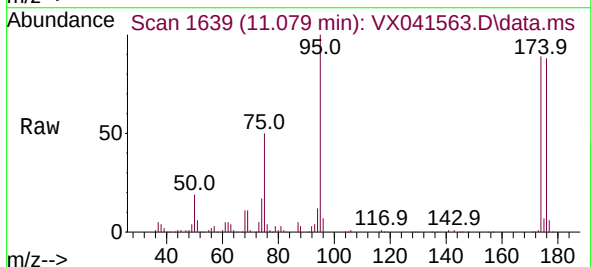
Instrument :
MSVOA_X
ClientSampleId :

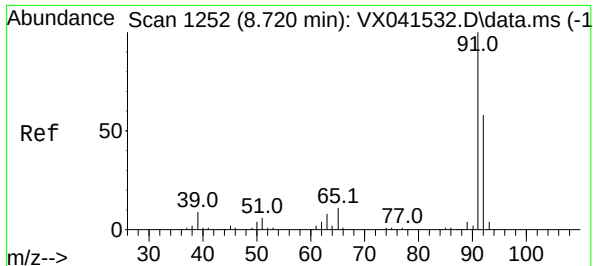
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
58 10.5 30.2 45.4#
85 0.0 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 28.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041563.D
Acq: 16 May 2024 15:06

Tgt Ion: 95 Resp: 61484
Ion Ratio Lower Upper
95 100
174 94.6 76.6 115.0
176 91.6 75.4 113.0





#62

Toluene

Concen: 7.769 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX041563.D

Acq: 16 May 2024 15:06

Instrument :

MSVOA_X

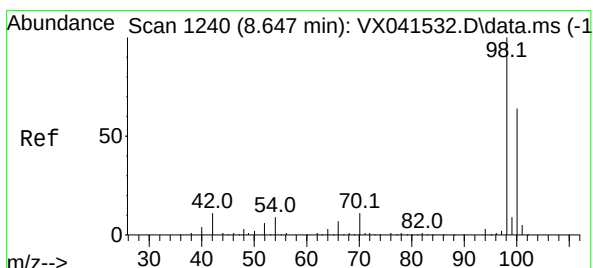
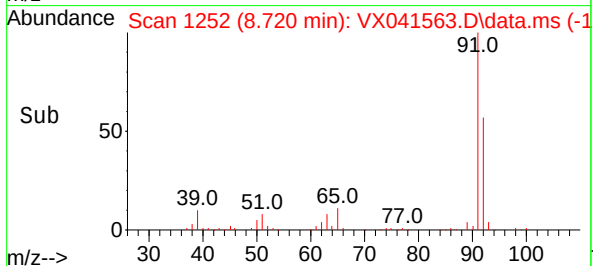
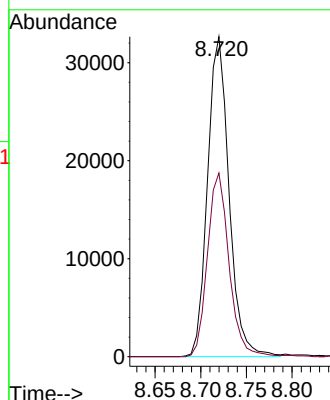
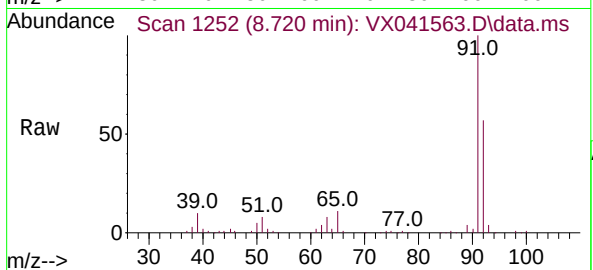
ClientSampleId :

Tgt Ion: 91 Resp: 53290

Ion Ratio Lower Upper

91 100

92 57.7 47.0 70.6



#63

Toluene-d8

Concen: 30.082 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041563.D

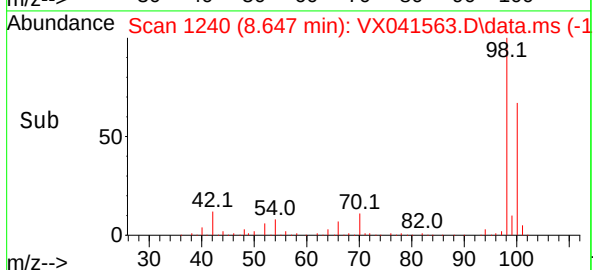
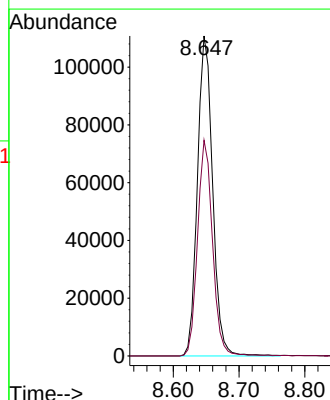
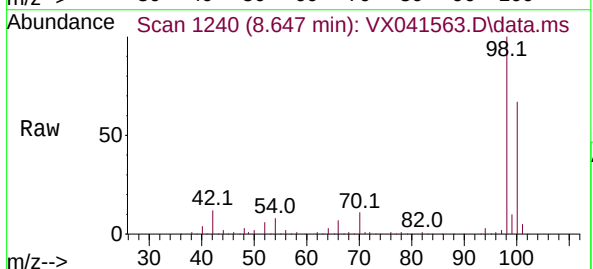
Acq: 16 May 2024 15:06

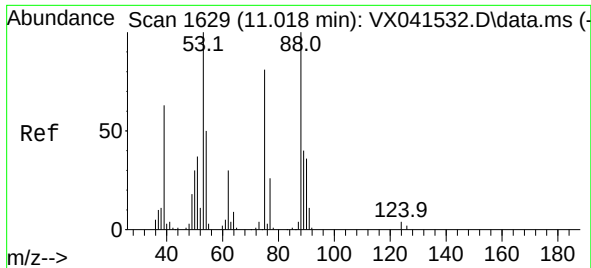
Tgt Ion: 98 Resp: 177756

Ion Ratio Lower Upper

98 100

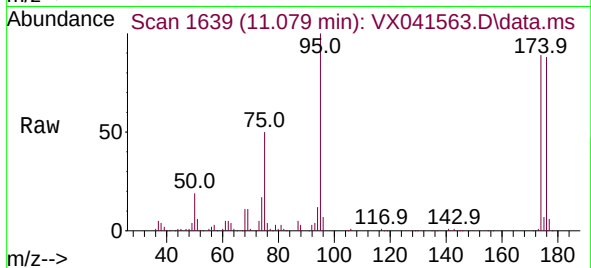
100 66.2 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 41.825 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041563.D
 Acq: 16 May 2024 15:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30854
 Ion Ratio Lower Upper
 75 100
 53 0.2 61.8 185.3#
 89 0.0 24.9 74.7#

