

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042267.D
 Acq On : 10 Jul 2024 15:10
 Operator : JC/MD
 Sample : PB161974ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:57:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

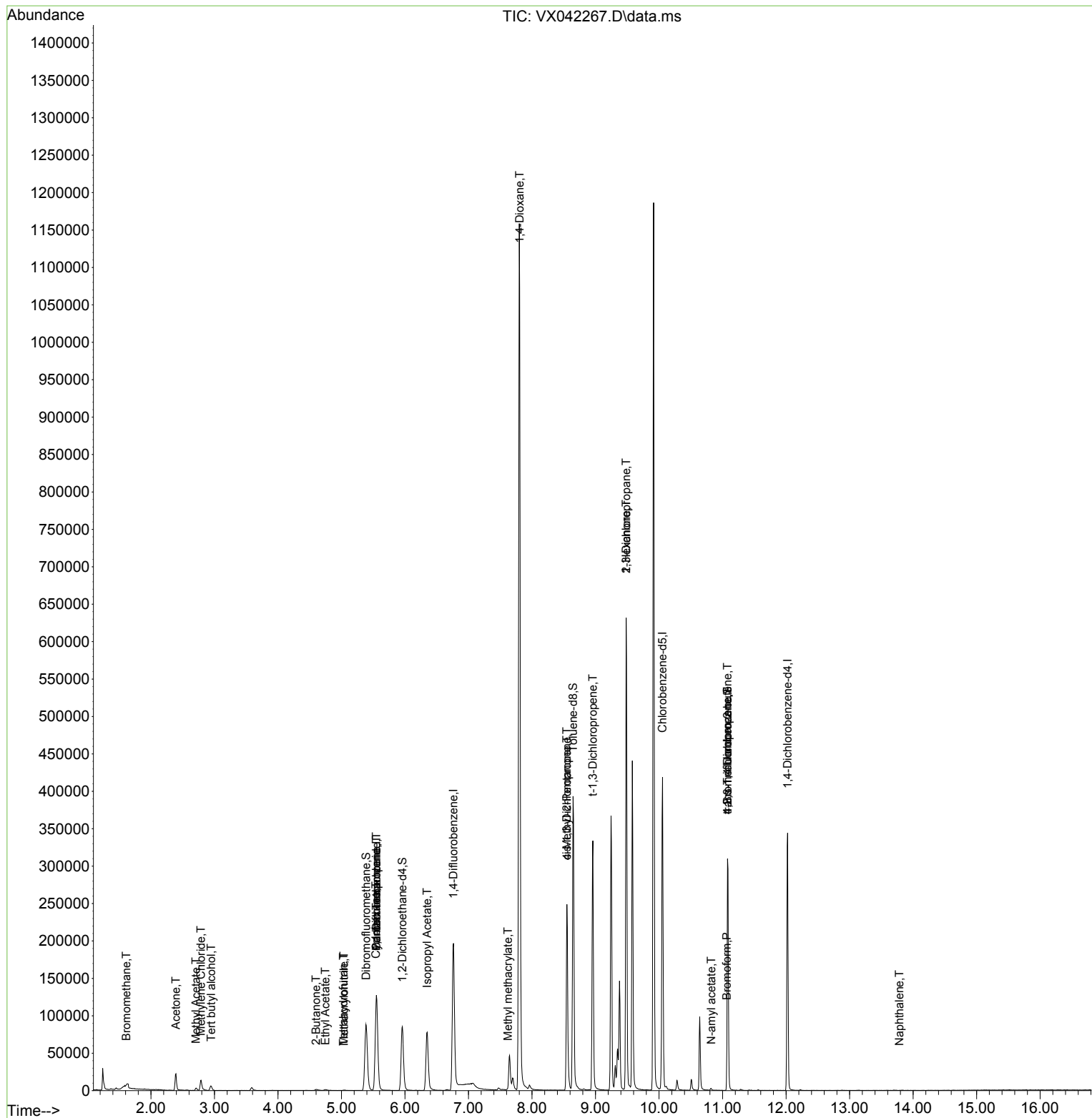
Internal Standards						
1) Pentafluorobenzene	5.550	168	139022	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	223854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82341	51.364	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.720%	
35) Dibromofluoromethane	5.385	113	78422	49.373	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.740%	
50) Toluene-d8	8.647	98	244527	43.822	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 87.640%#	
62) 4-Bromofluorobenzene	11.079	95	83866	40.773	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 81.540%#	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	133	0.202	ug/l	# 71
6) Chloroethane	1.672	64	61	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	3945	12.967	ug/l	# 78
16) Acetone	2.392	43	25059	35.599	ug/l	93
18) Methyl Acetate	2.709	43	4649	2.421	ug/l	98
20) Methylene Chloride	2.788	84	8231	5.340	ug/l	# 86
25) 2-Butanone	4.599	43	2128	1.943	ug/l	# 81
29) Tetrahydrofuran	5.031	42	575	0.813	ug/l	# 58
31) Cyclohexane	5.544	56	1860	0.992	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7951	4.714	ug/l	# 50
37) Ethyl Acetate	4.745	43	3106	1.414	ug/l	# 82
38) Carbon Tetrachloride	5.550	117	11824	6.345	ug/l	# 14
41) Methacrylonitrile	5.038	41	320	0.269	ug/l	# 29
43) Isopropyl Acetate	6.348	43	110104	32.647	ug/l	# 93
48) Methyl methacrylate	7.622	41	3655	2.271	ug/l	# 16
49) 1,4-Dioxane	7.805	88	182	24.120	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	83175	35.803	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	884	1.341	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	44181	21.567	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	5804	2.381	ug/l	# 42
59) 2-Hexanone	9.482	43	71307	40.075	ug/l	# 55
71) Bromoform	11.067	173	25	0.894	ug/l	# 29
74) N-amyl acetate	10.823	43	853	0.370	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	37531	24.217	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	37531	68.774	ug/l	# 5
95) Naphthalene	13.786	128	113	0.766	ug/l	# 69

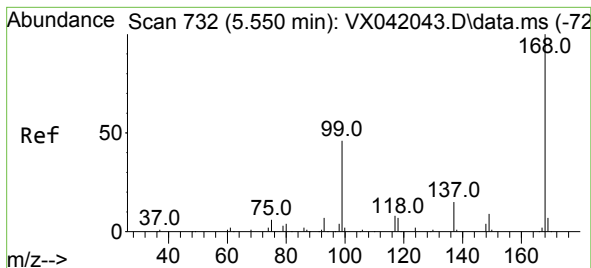
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

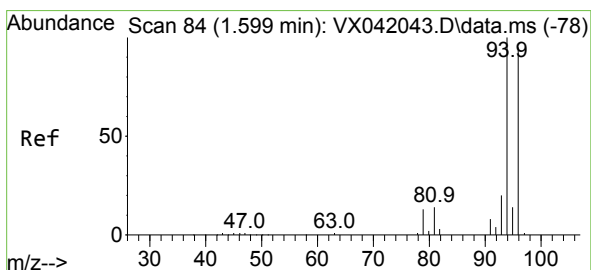
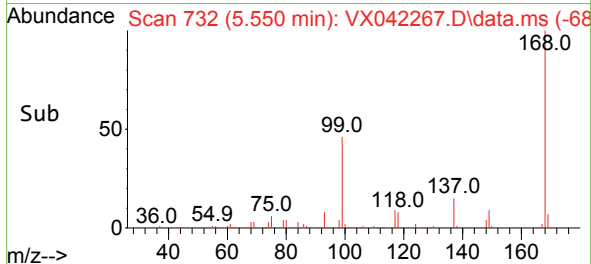
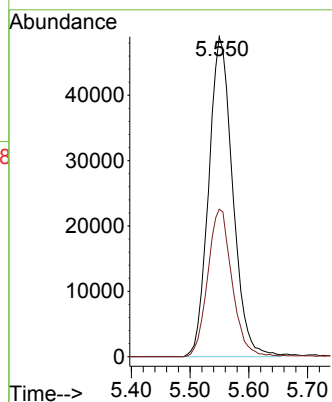
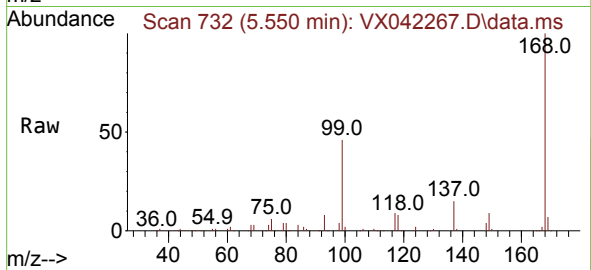
ClientSampleId :

Tgt Ion:168 Resp: 139022

Ion Ratio Lower Upper

168 100

99 46.1 56.6 85.0#



#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX042267.D

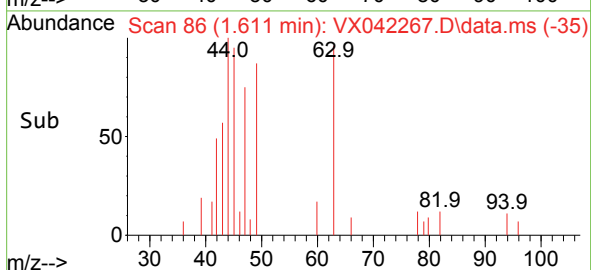
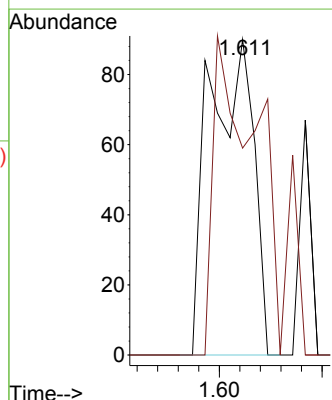
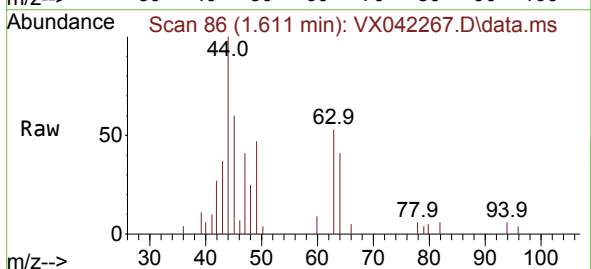
Acq: 10 Jul 2024 15:10

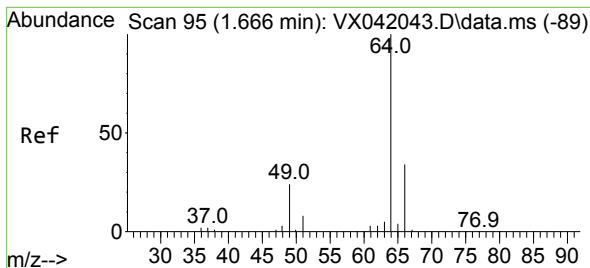
Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

94 100

96 65.6 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 90

Delta R.T. 0.012 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

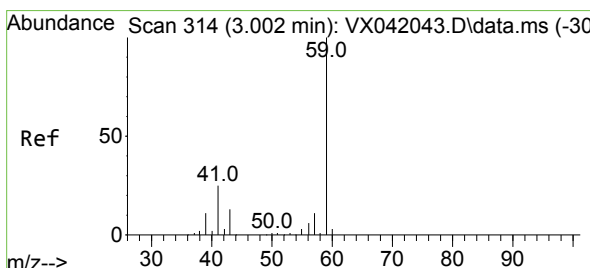
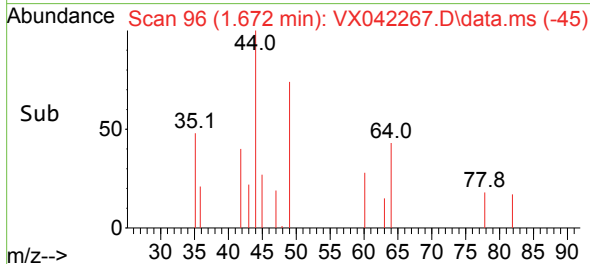
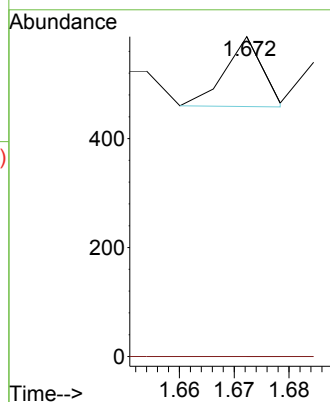
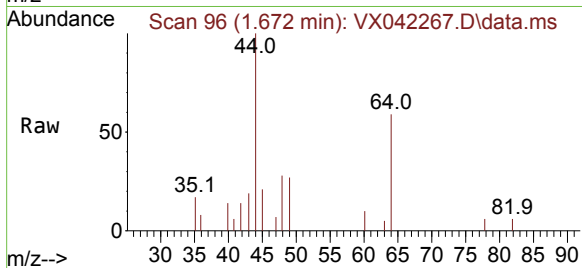
ClientSampleId :

Tgt Ion: 64 Resp: 61

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 12.967 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.061 min

Lab File: VX042267.D

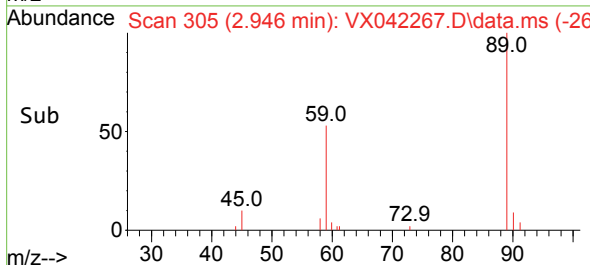
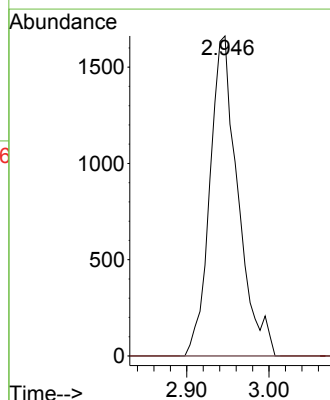
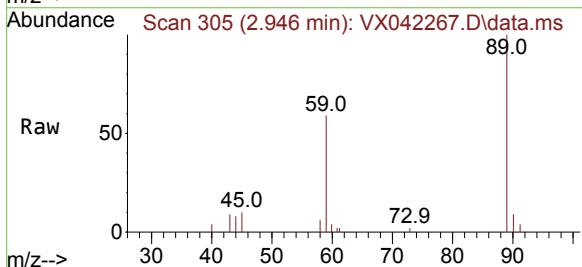
Acq: 10 Jul 2024 15:10

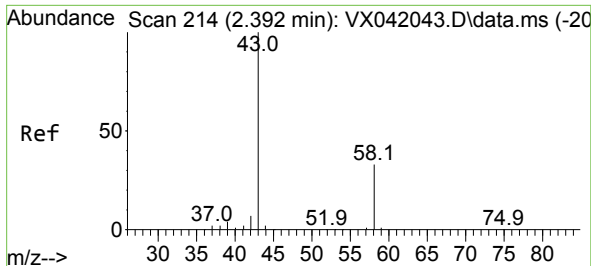
Tgt Ion: 59 Resp: 3945

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#16

Acetone

Concen: 35.599 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

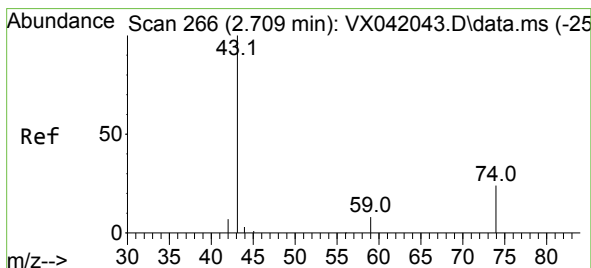
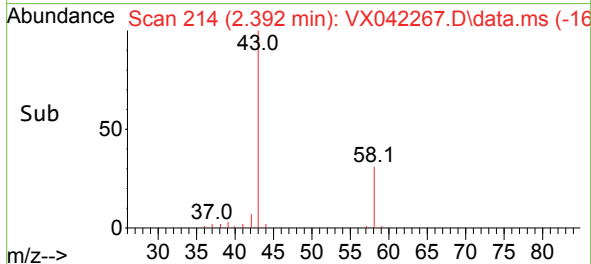
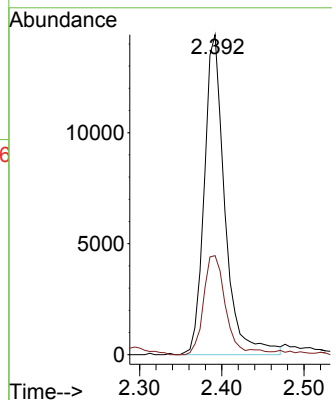
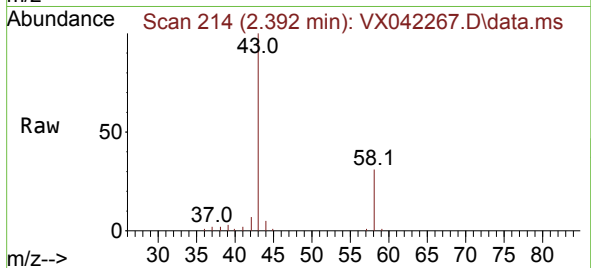
ClientSampleId :

Tgt Ion: 43 Resp: 25059

Ion Ratio Lower Upper

43 100

58 30.9 21.9 32.9



#18

Methyl Acetate

Concen: 2.421 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX042267.D

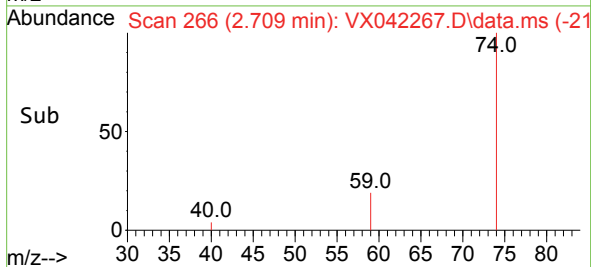
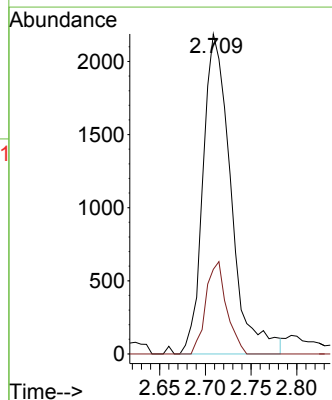
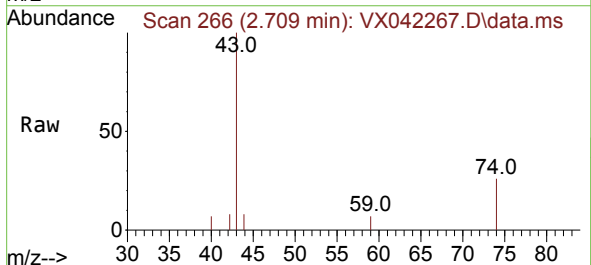
Acq: 10 Jul 2024 15:10

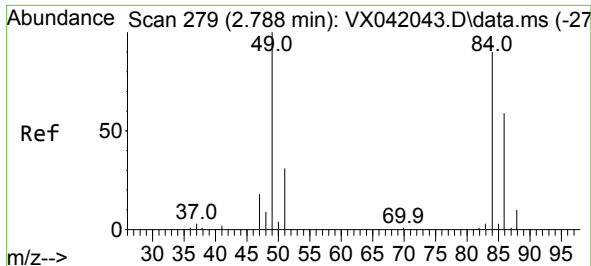
Tgt Ion: 43 Resp: 4649

Ion Ratio Lower Upper

43 100

74 21.4 17.8 26.8





#20

Methylene Chloride

Concen: 5.340 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

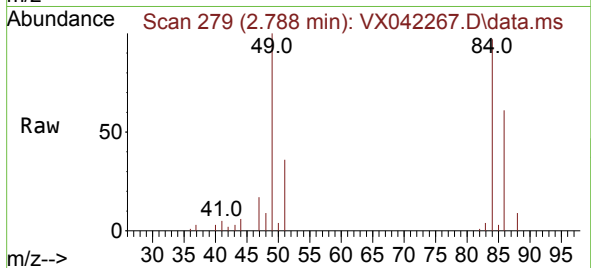
Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 8231

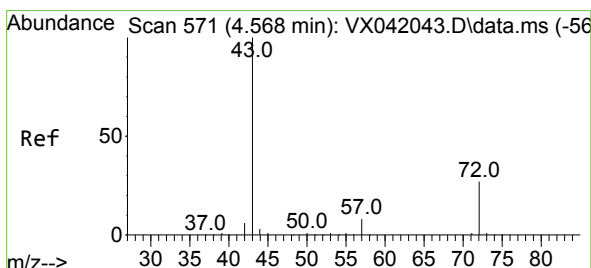
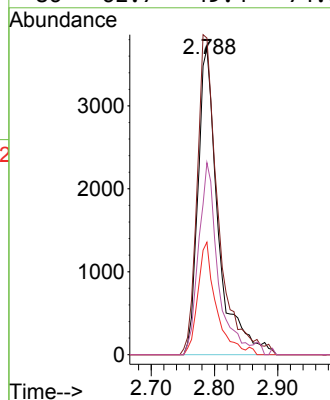
Ion Ratio Lower Upper

84 100

49 103.4 103.6 155.4#

51 36.7 33.8 50.6

86 62.7 49.4 74.0



#25

2-Butanone

Concen: 1.943 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.024 min

Lab File: VX042267.D

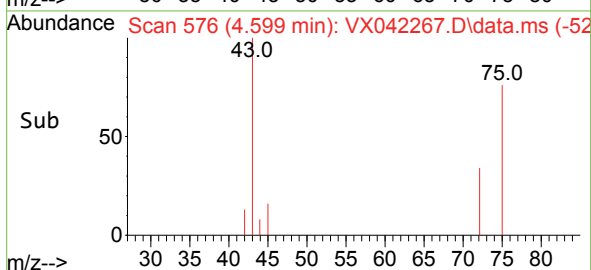
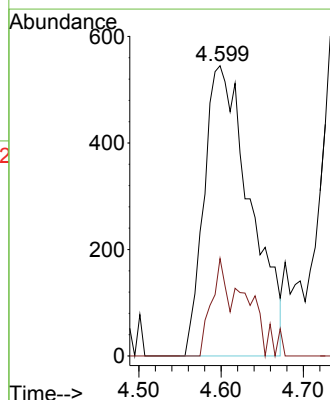
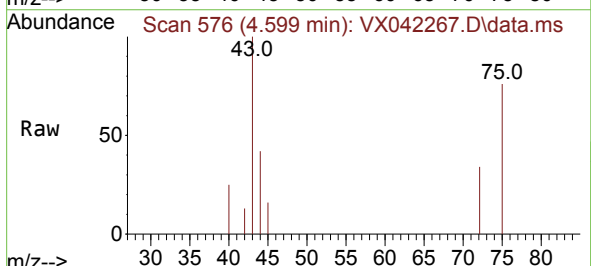
Acq: 10 Jul 2024 15:10

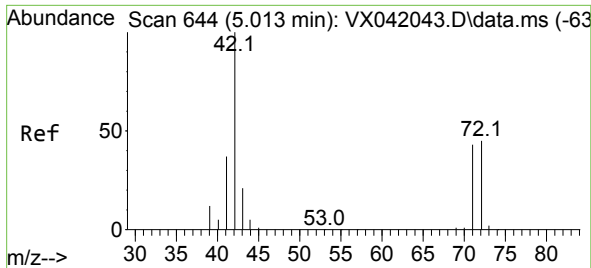
Tgt Ion: 43 Resp: 2128

Ion Ratio Lower Upper

43 100

72 33.6 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.813 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.012 min

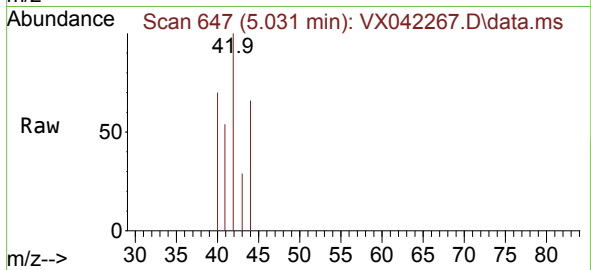
Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

ClientSampleId :



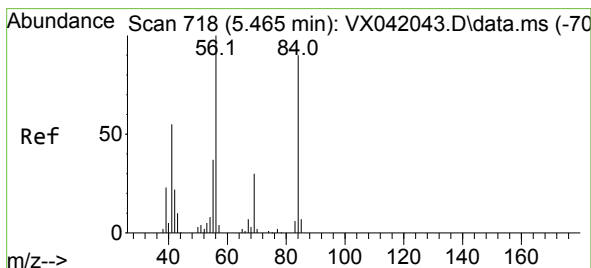
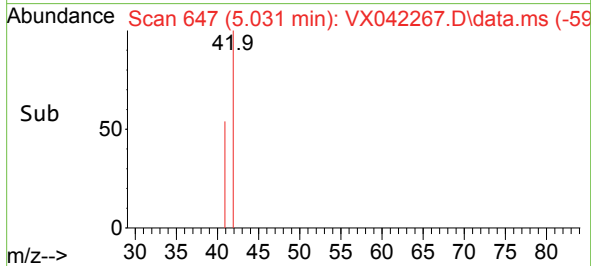
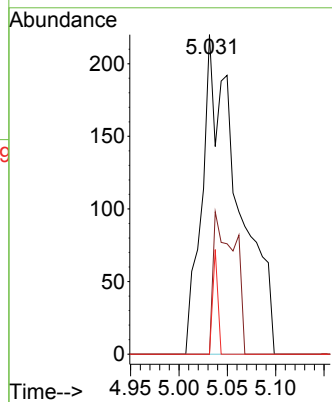
Tgt Ion: 42 Resp: 575

Ion Ratio Lower Upper

42 100

72 25.7 34.2 51.4#

71 4.5 32.2 48.2#



#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

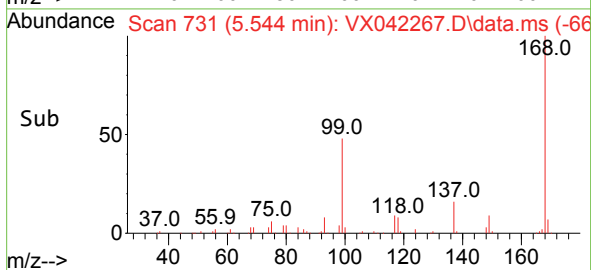
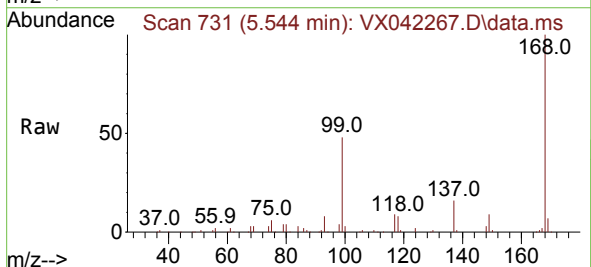
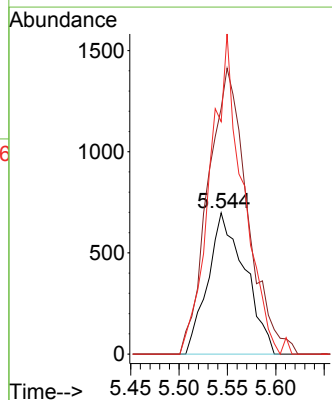
Tgt Ion: 56 Resp: 1860

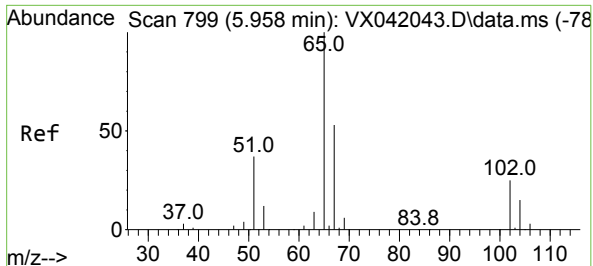
Ion Ratio Lower Upper

56 100

69 173.9 23.4 35.2#

84 164.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.364 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

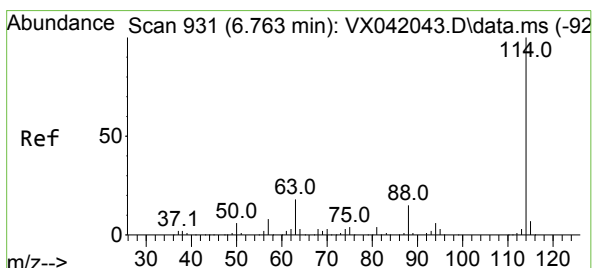
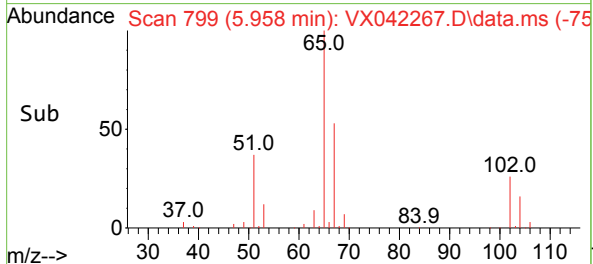
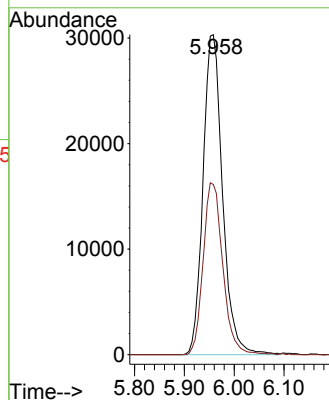
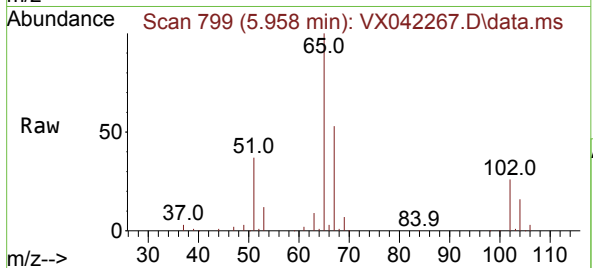
ClientSampleId :

Tgt Ion: 65 Resp: 82341

Ion Ratio Lower Upper

65 100

67 54.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

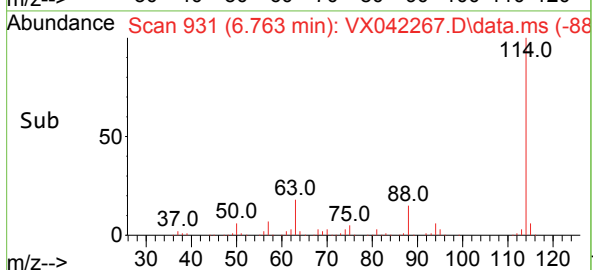
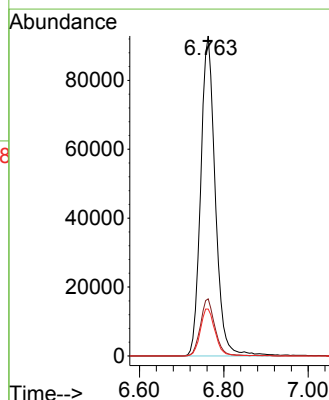
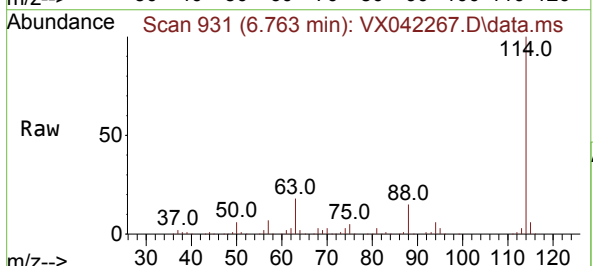
Tgt Ion:114 Resp: 223854

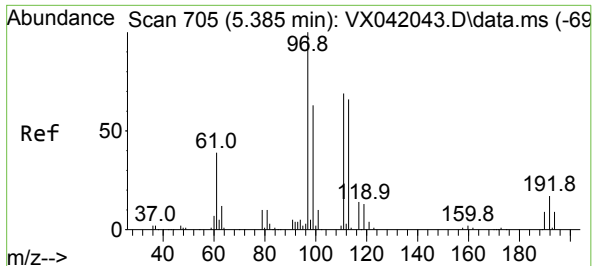
Ion Ratio Lower Upper

114 100

63 17.9 0.0 45.0

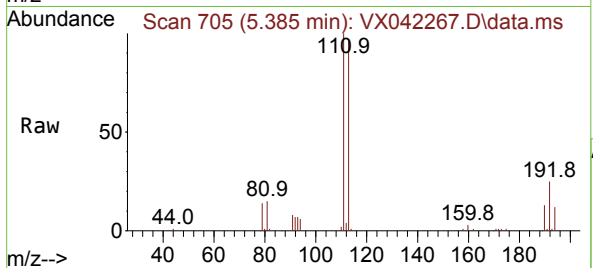
88 14.7 0.0 36.6



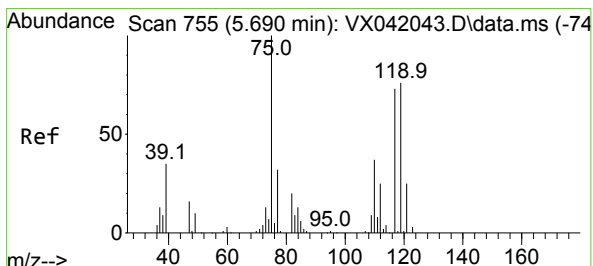
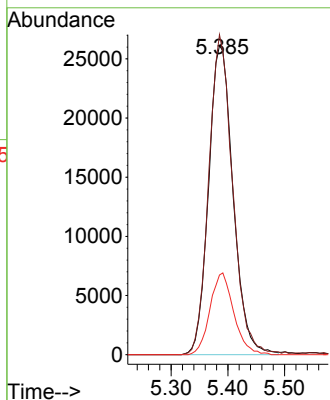
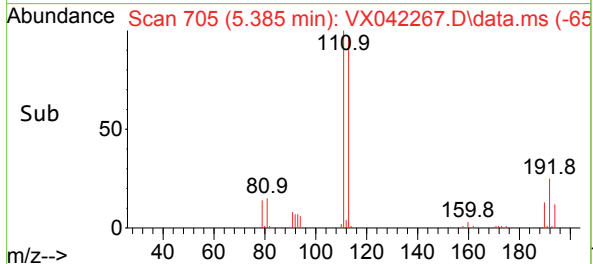


#35
Dibromofluoromethane
Concen: 49.373 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Instrument :
MSVOA_X
ClientSampleId :

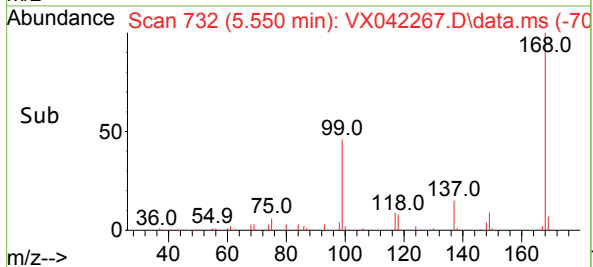
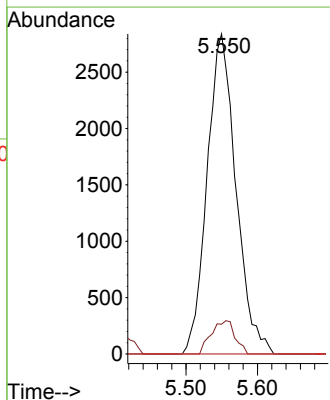
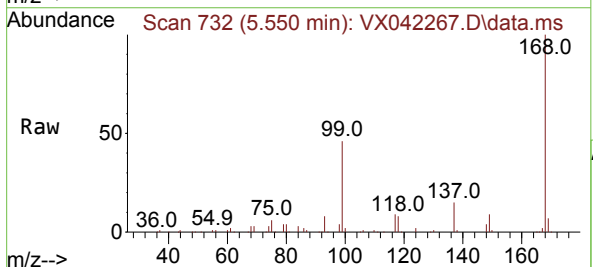


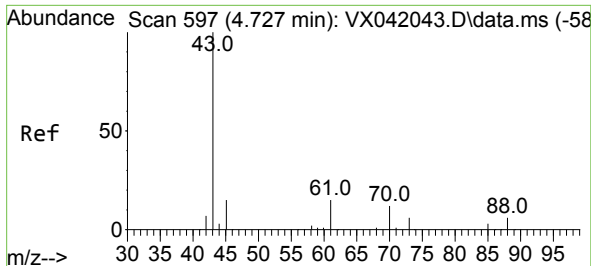
Tgt Ion:113 Resp: 78422
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Tgt Ion: 75 Resp: 7951
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.414 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.018 min

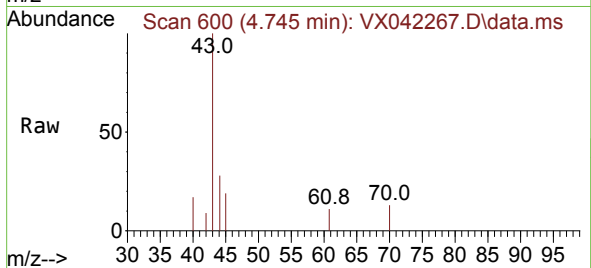
Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

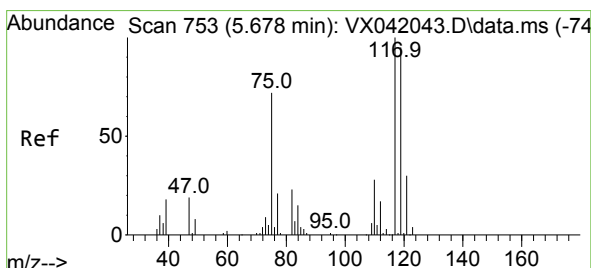
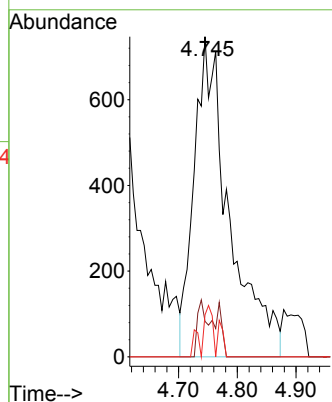
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3106
Ion	Ratio	Lower	Upper
43	100		
61	4.6	10.6	16.0#
70	5.1	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.345 ug/l

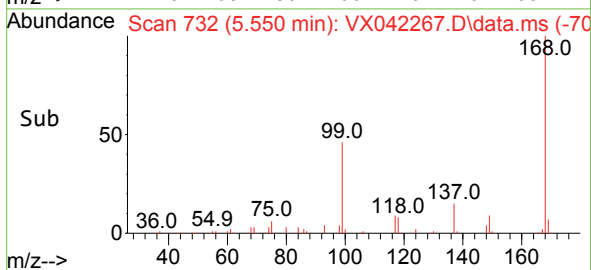
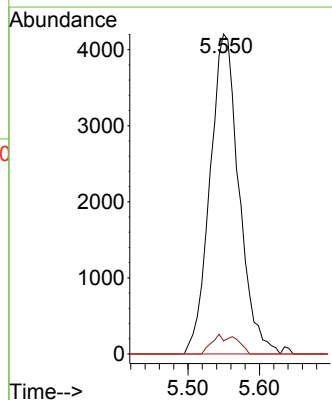
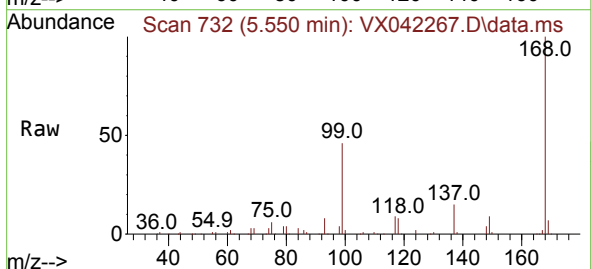
RT: 5.550 min Scan# 732

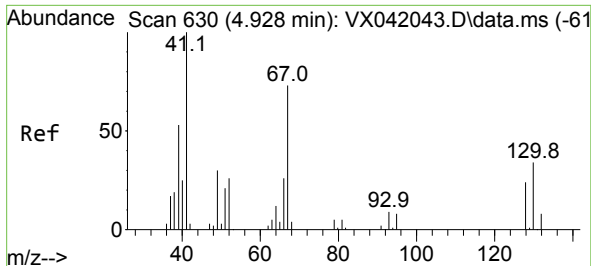
Delta R.T. -0.128 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

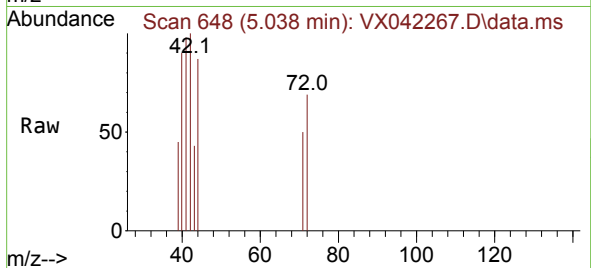
Tgt Ion:	117	Resp:	11824
Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.2	117.2#
121	0.0	24.4	36.6#



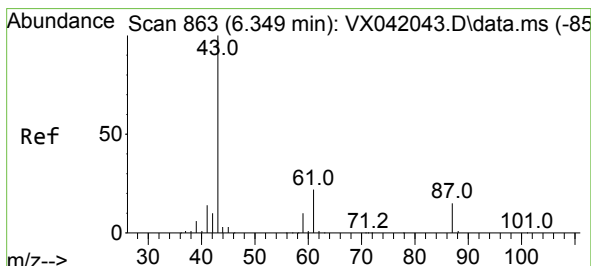
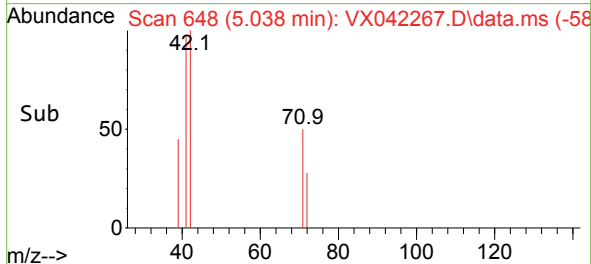
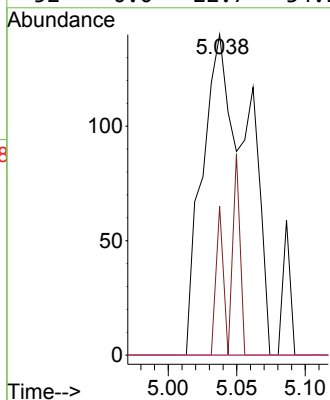


#41
Methacrylonitrile
Concen: 0.269 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Instrument :
MSVOA_X
ClientSampleId :

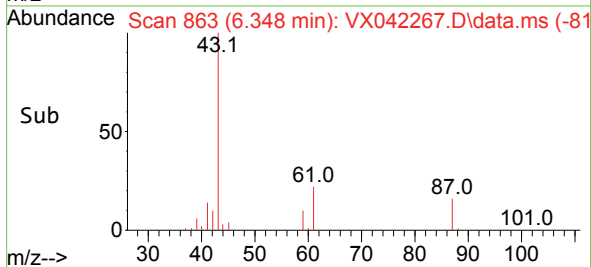
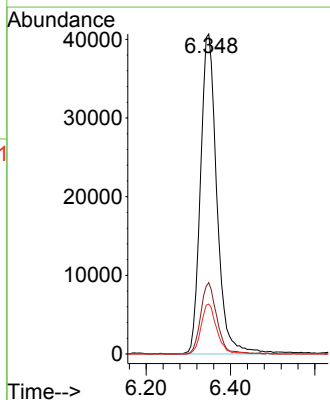
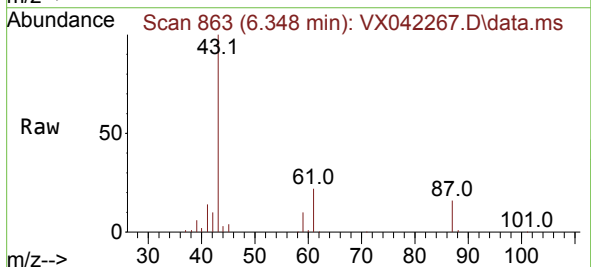


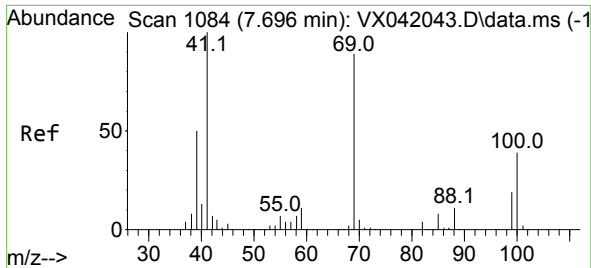
Tgt Ion: 41	Resp:	320
Ion	Ratio	Lower Upper
41	100	
39	7.5	45.2 67.8#
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 32.647 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

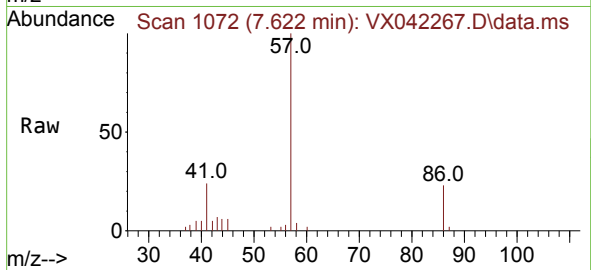
Tgt Ion: 43	Resp:	110104
Ion	Ratio	Lower Upper
43	100	
61	21.9	15.2 22.8
87	15.0	9.8 14.6#



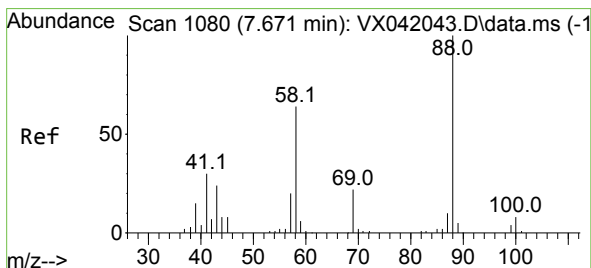
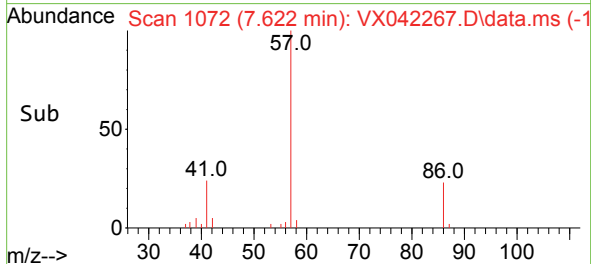
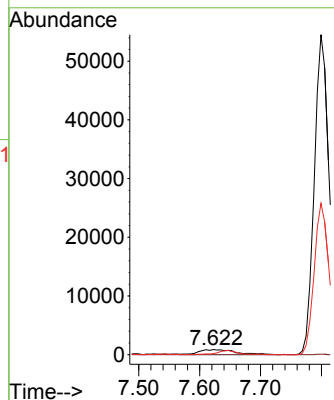


#48
Methyl methacrylate
Concen: 2.271 ug/l
RT: 7.622 min Scan# 1102
Delta R.T. -0.073 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Instrument :
MSVOA_X
ClientSampleId :

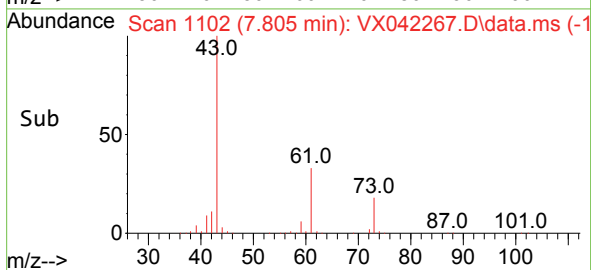
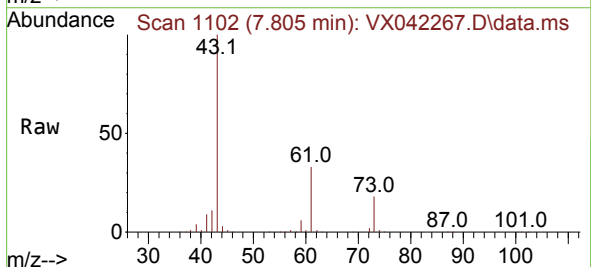
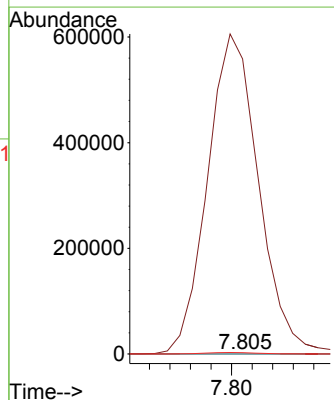


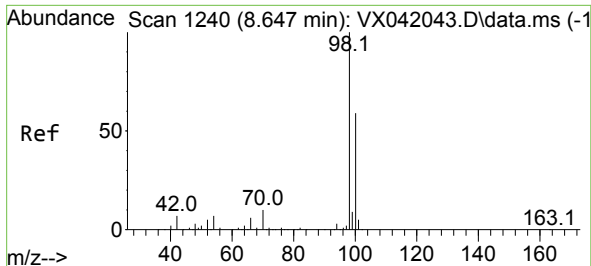
Tgt Ion: 41 Resp: 3655
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 24.120 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Tgt Ion: 88 Resp: 182
Ion Ratio Lower Upper
88 100
43 583015.9 0.0 0.0#
58 2794.0 60.1 90.1#

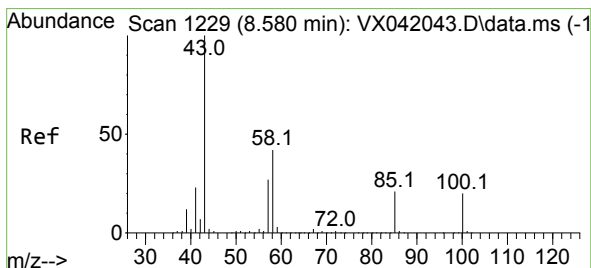
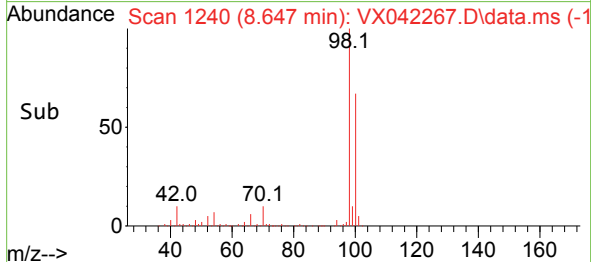
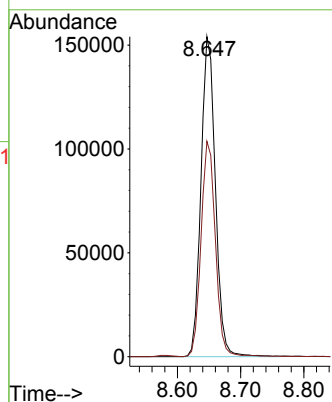
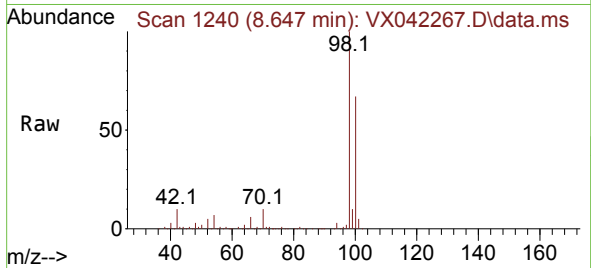




#50
Toluene-d8
Concen: 43.822 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

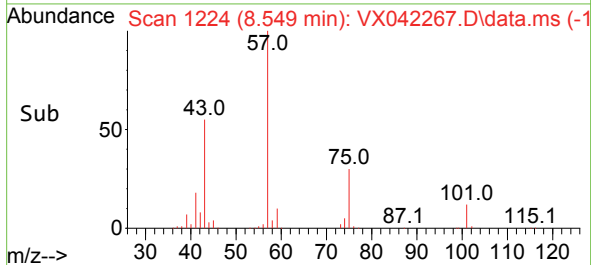
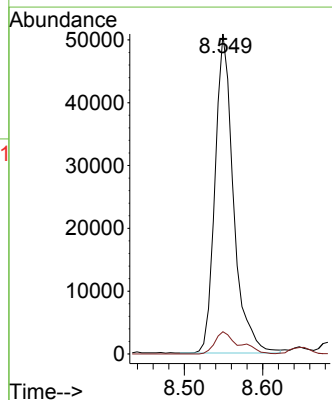
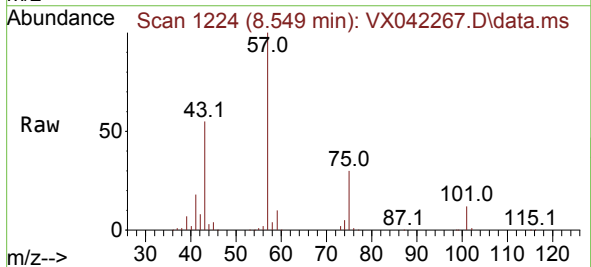
Instrument :
MSVOA_X
ClientSampleId :

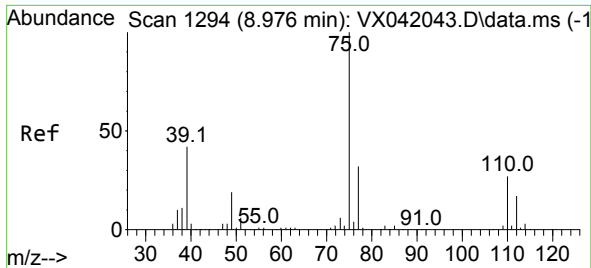
Tgt Ion: 98 Resp: 244527
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.803 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Tgt Ion: 43 Resp: 83175
Ion Ratio Lower Upper
43 100
58 9.1 30.4 45.6#

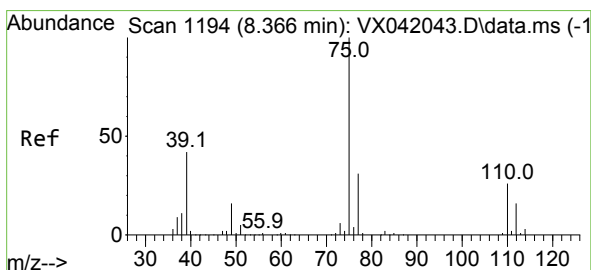
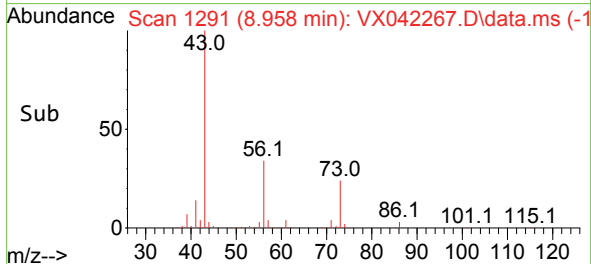
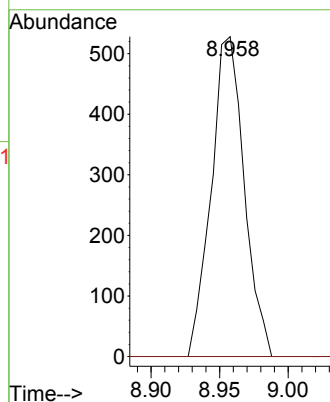
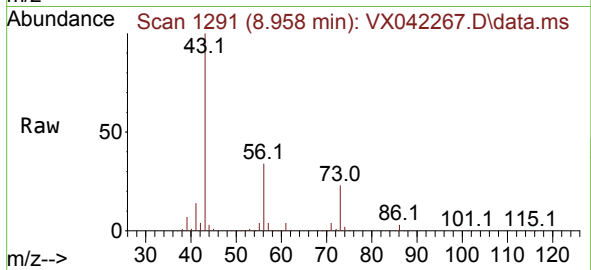




#53
 t-1,3-Dichloropropene
 Concen: 1.341 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX042267.D
 Acq: 10 Jul 2024 15:10

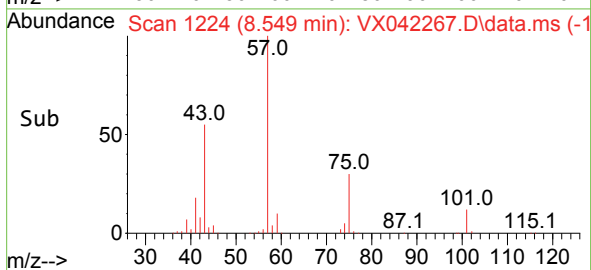
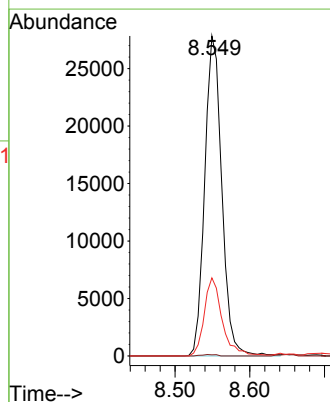
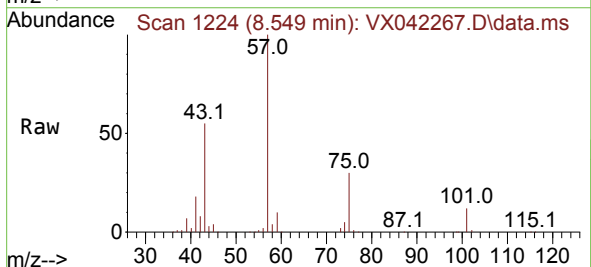
Instrument :
 MSVOA_X
 ClientSampleId :

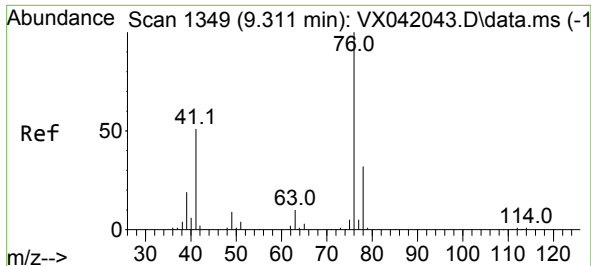
Tgt Ion: 75 Resp: 884
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 21.567 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042267.D
 Acq: 10 Jul 2024 15:10

Tgt Ion: 75 Resp: 44181
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 24.4 46.7 70.1#

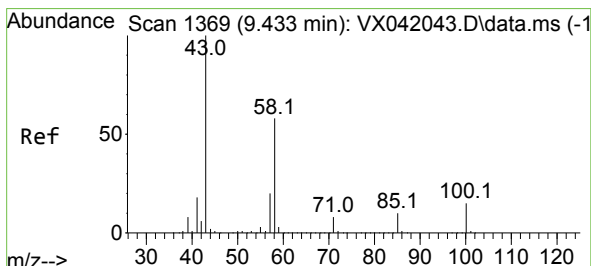
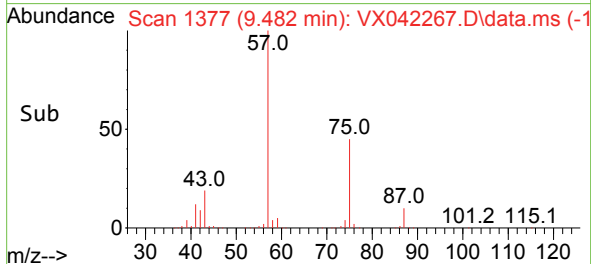
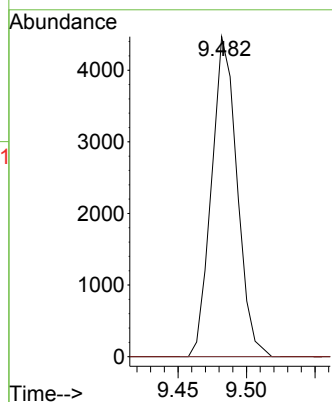
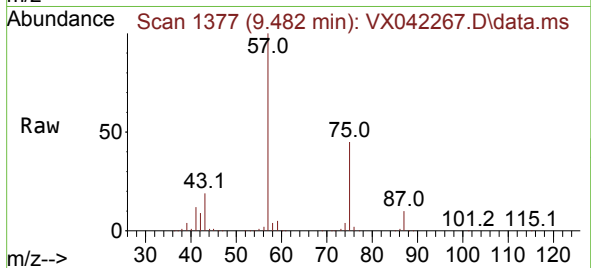




#57
1,3-Dichloropropane
Concen: 2.381 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

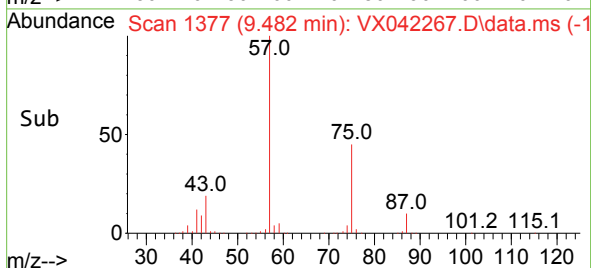
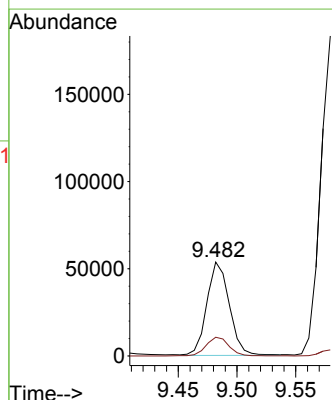
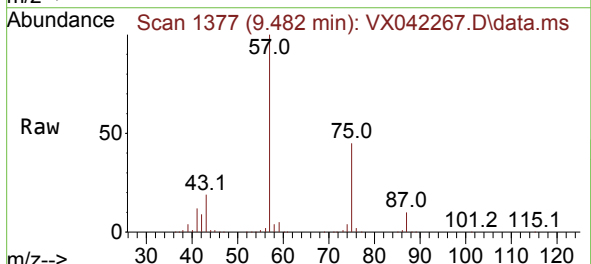
Instrument :
MSVOA_X
ClientSampleId :

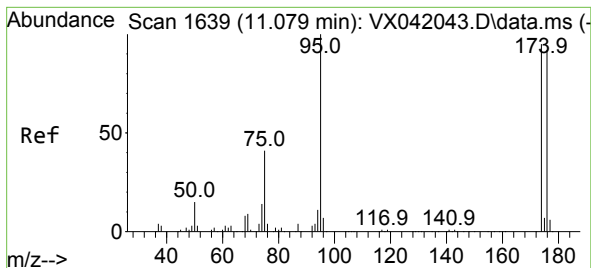
Tgt Ion: 76 Resp: 5804
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 40.075 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

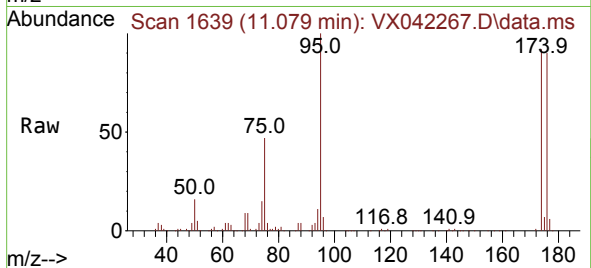
Tgt Ion: 43 Resp: 71307
Ion Ratio Lower Upper
43 100
58 20.8 26.2 78.5#



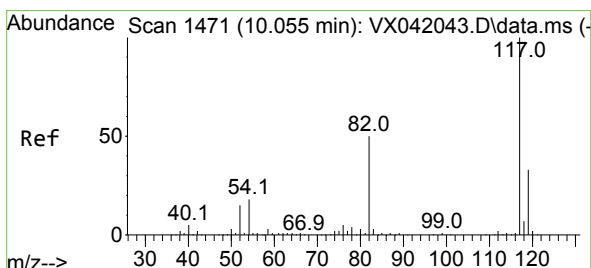
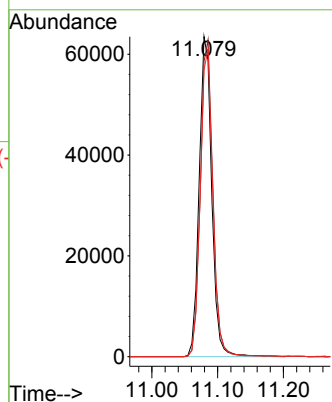
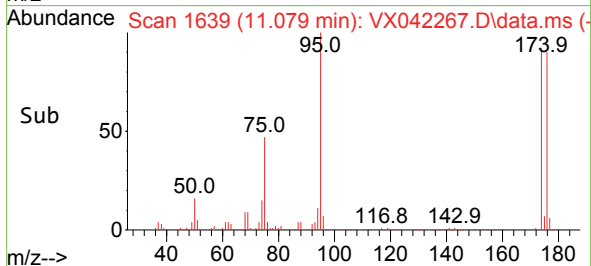


#62
4-Bromofluorobenzene
Concen: 40.773 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

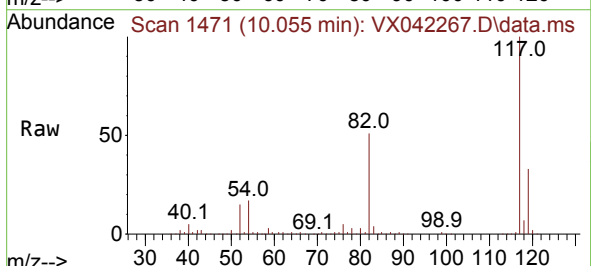
Instrument :
MSVOA_X
ClientSampleId :



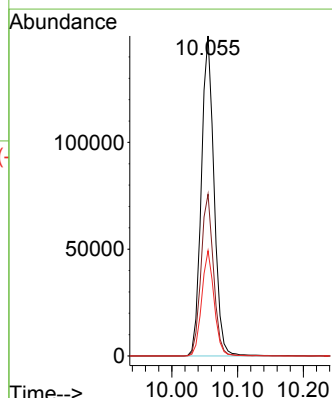
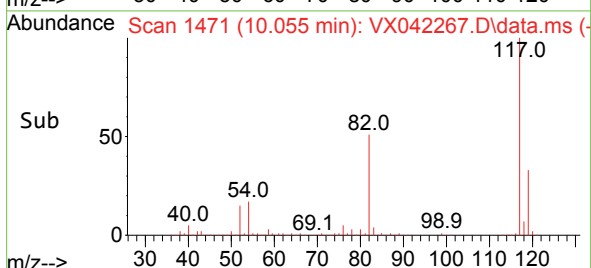
Tgt Ion: 95 Resp: 83866
Ion Ratio Lower Upper
95 100
174 99.4 0.0 135.6
176 96.2 0.0 131.0

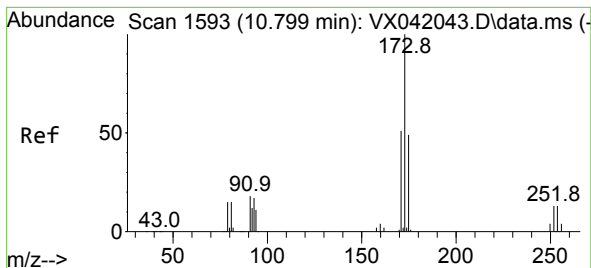


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10



Tgt Ion: 117 Resp: 200756
Ion Ratio Lower Upper
117 100
82 50.6 46.2 69.4
119 32.9 25.5 38.3





#71

Bromoform

Concen: 0.894 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.268 min

Lab File: VX042267.D

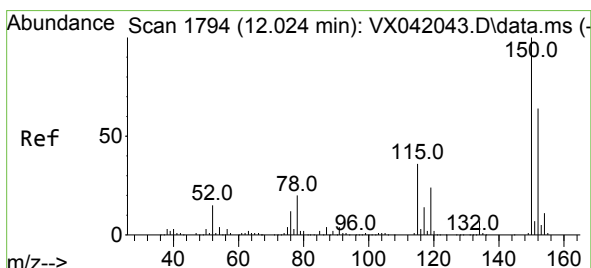
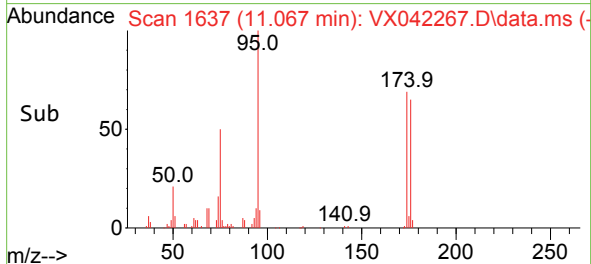
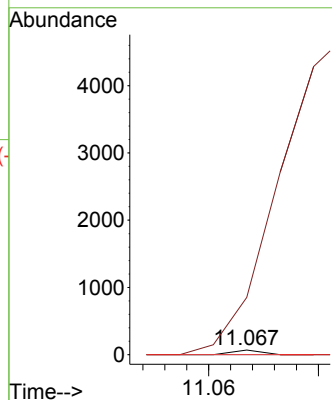
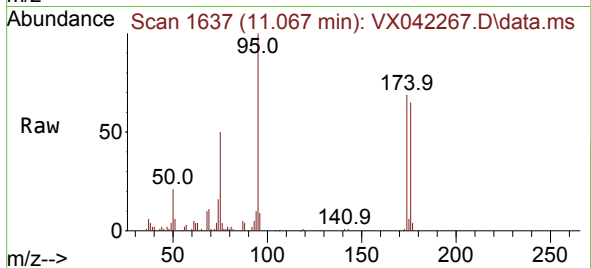
Acq: 10 Jul 2024 15:10

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:173	Resp:	25
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.1 72.4#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

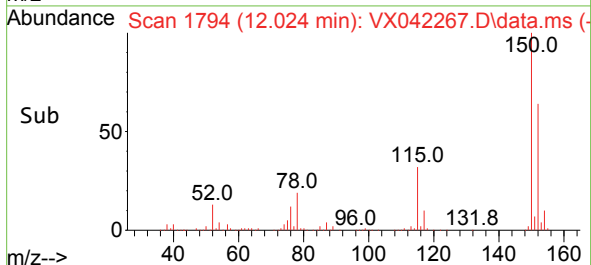
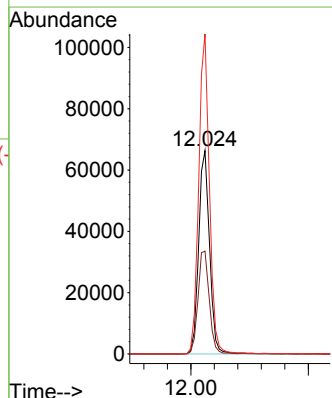
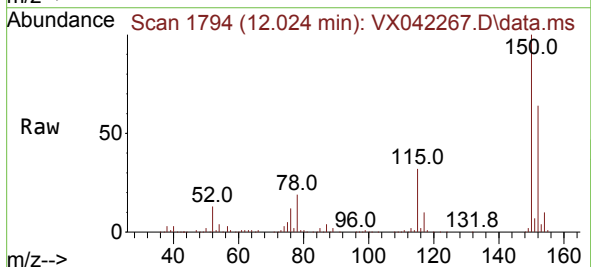
RT: 12.024 min Scan# 1794

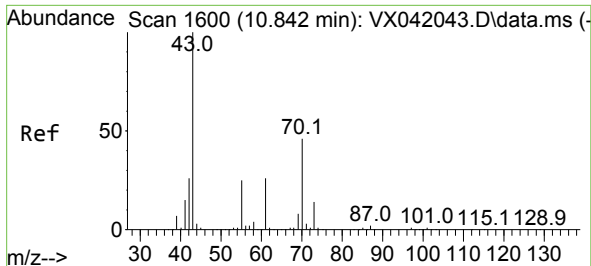
Delta R.T. -0.000 min

Lab File: VX042267.D

Acq: 10 Jul 2024 15:10

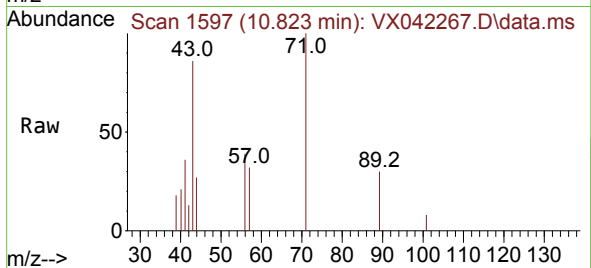
Tgt Ion:152	Resp:	85369
Ion Ratio	Lower	Upper
152	100	
115	52.4	43.3 129.9
150	154.6	0.0 345.0



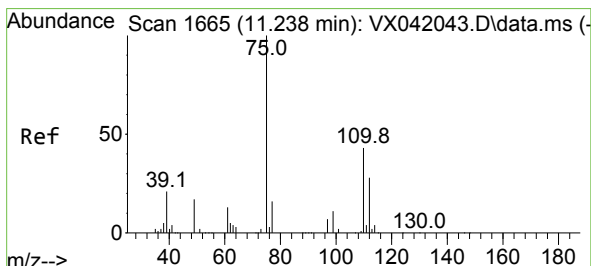
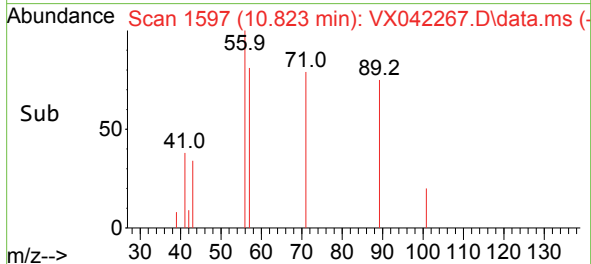
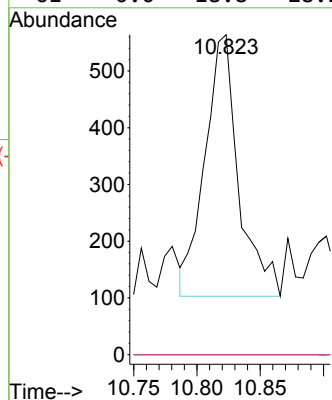


#74
N-amy1 acetate
Concen: 0.370 ug/l
RT: 10.823 min Scan# 1639
Delta R.T. -0.018 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

Instrument :
MSVOA_X
ClientSampleId :

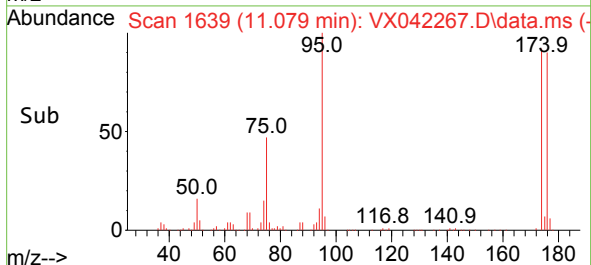
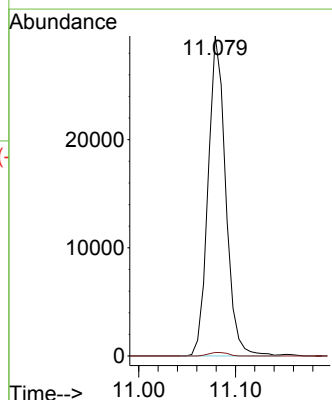
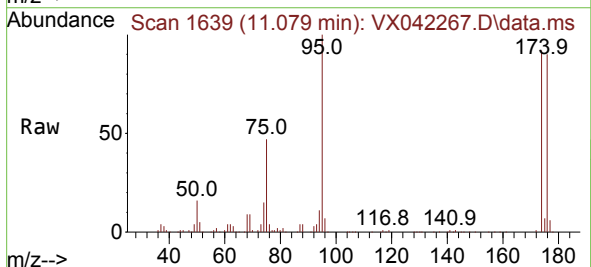


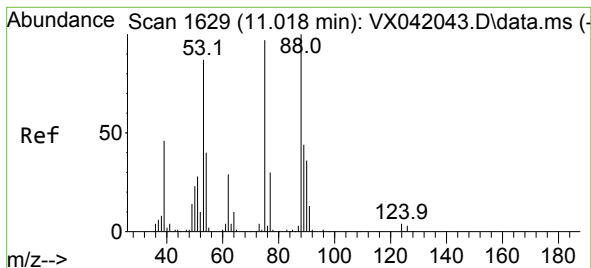
Tgt Ion: 43	Resp: 853
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 0.0	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.217 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

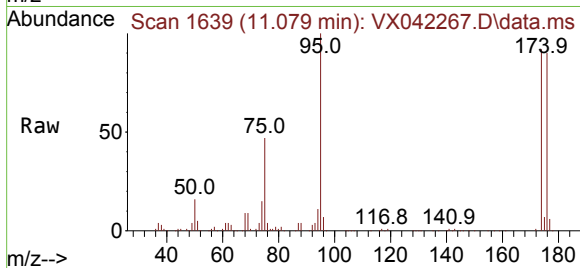
Tgt Ion: 75	Resp: 37531
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#



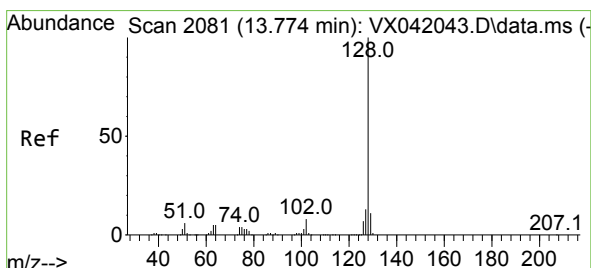
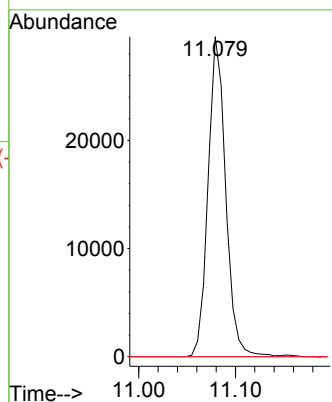
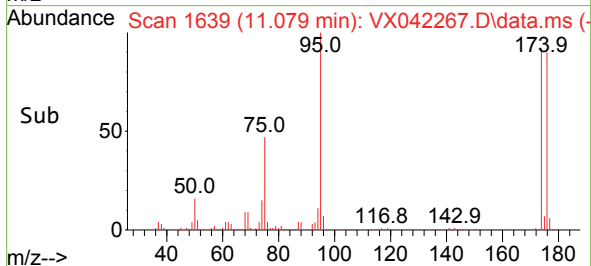


#81
trans-1,4-Dichloro-2-butene
Concen: 68.774 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10

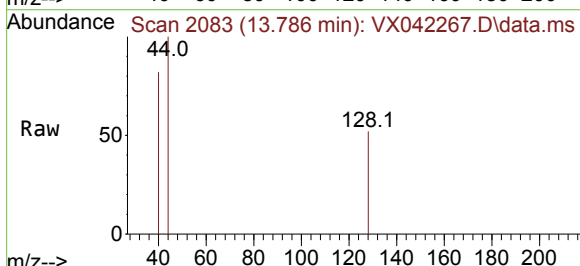
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 37531
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.766 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042267.D
Acq: 10 Jul 2024 15:10



Tgt Ion: 128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

