

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041679.D
 Acq On : 29 May 2024 17:16
 Operator : JC/MD
 Sample : PB161143ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 30 07:45:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

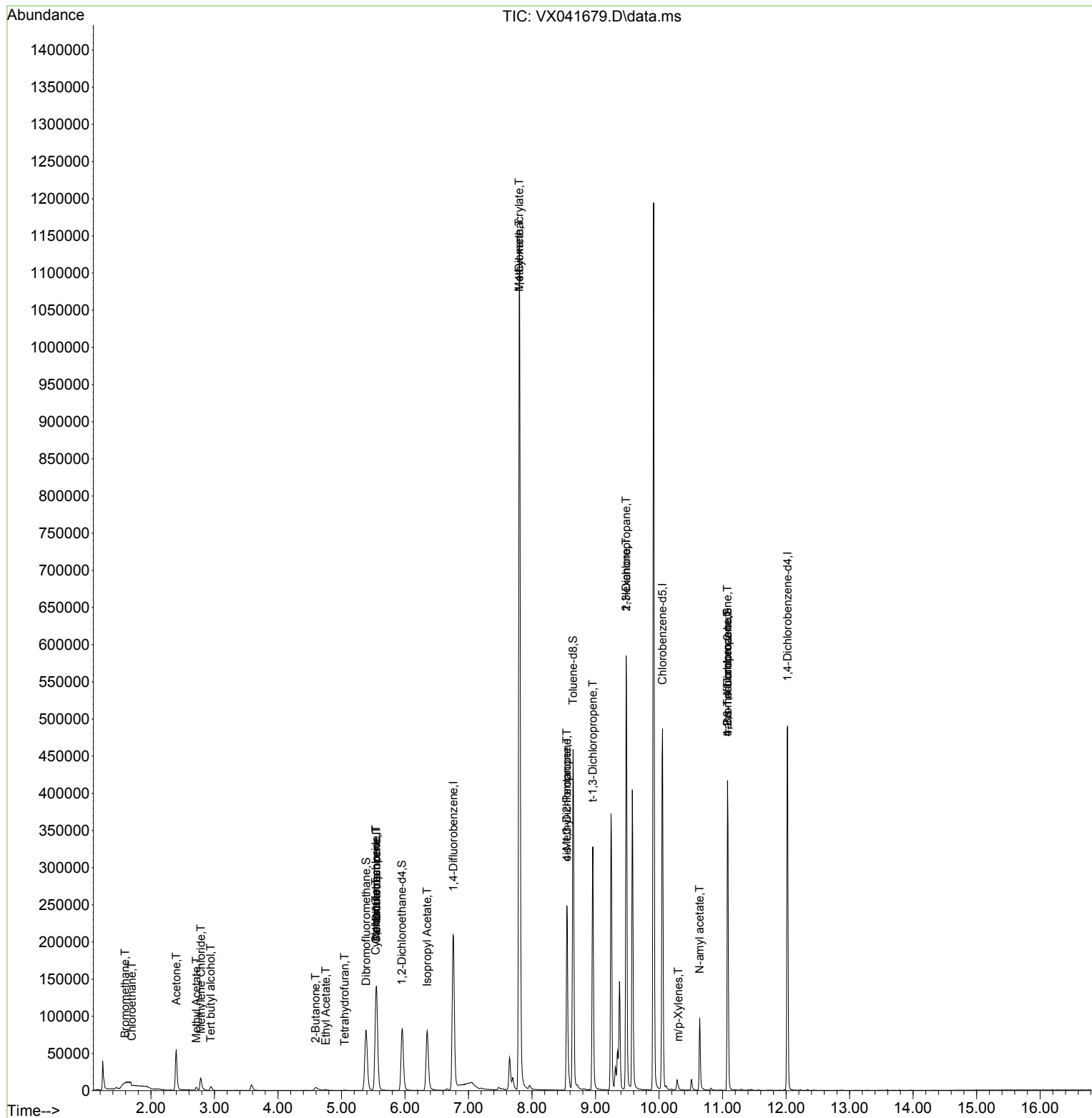
Internal Standards						
1) Pentafluorobenzene	5.550	168	148380	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83317	45.783	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.560%
35) Dibromofluoromethane	5.385	113	69312	44.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.040%
50) Toluene-d8	8.647	98	267168	49.117	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.240%
62) 4-Bromofluorobenzene	11.079	95	102170	50.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.780%
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	238	0.233	ug/l	# 75
6) Chloroethane	1.697	64	866	0.978	ug/l	# 43
11) Tert butyl alcohol	2.940	59	3211	9.974	ug/l	# 78
16) Acetone	2.398	43	67539	82.538	ug/l	94
18) Methyl Acetate	2.715	43	5415	3.116	ug/l	99
20) Methylene Chloride	2.788	84	9185	5.640	ug/l	94
25) 2-Butanone	4.592	43	9550	8.444	ug/l	100
29) Tetrahydrofuran	5.050	42	425	0.596	ug/l	# 70
31) Cyclohexane	5.537	56	2829	1.317	ug/l	# 11
36) 1,1-Dichloropropene	5.550	75	9438	5.007	ug/l	# 51
37) Ethyl Acetate	4.751	43	2907	1.222	ug/l	# 80
38) Carbon Tetrachloride	5.543	117	13321	6.220	ug/l	# 16
43) Isopropyl Acetate	6.348	43	115432	32.139	ug/l	98
48) Methyl methacrylate	7.799	41	104259	60.447	ug/l	# 48
49) 1,4-Dioxane	7.799	88	183	4.856	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	93776	40.265	ug/l	# 47
53) t-1,3-Dichloropropene	8.957	75	588	0.300	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39823	18.382	ug/l	# 60
57) 1,3-Dichloropropane	9.482	76	5242	2.095	ug/l	# 42
59) 2-Hexanone	9.482	43	75851	42.718	ug/l	# 52
68) m/p-Xylenes	10.305	106	761	0.249	ug/l	91
74) N-amyl acetate	10.640	43	24089	7.692	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	51762	26.031	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	51762	70.946	ug/l	# 5

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
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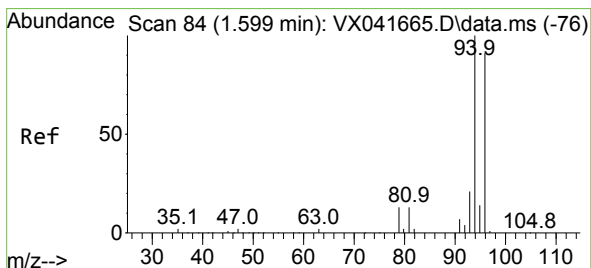
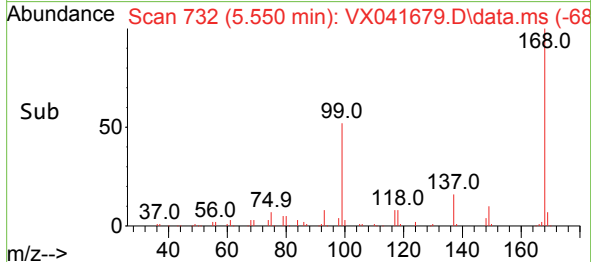
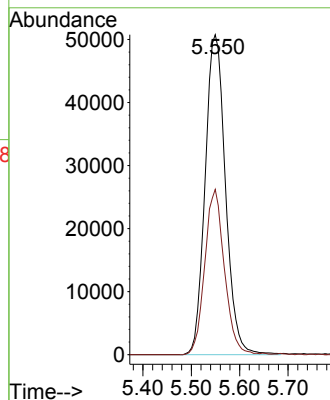
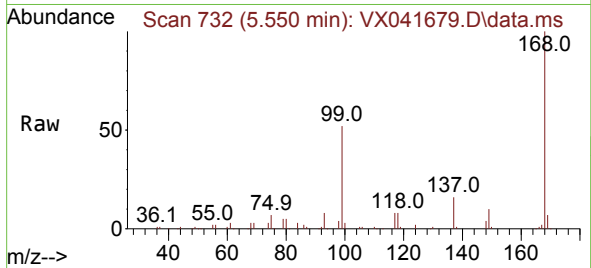




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

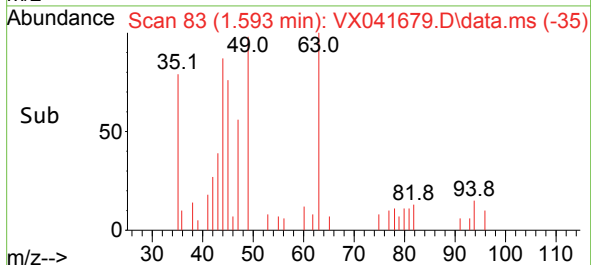
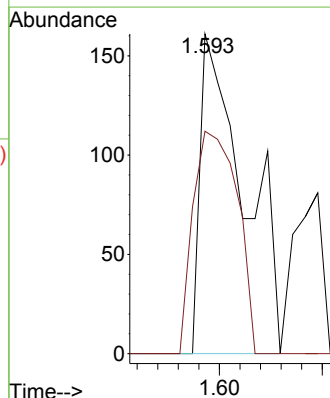
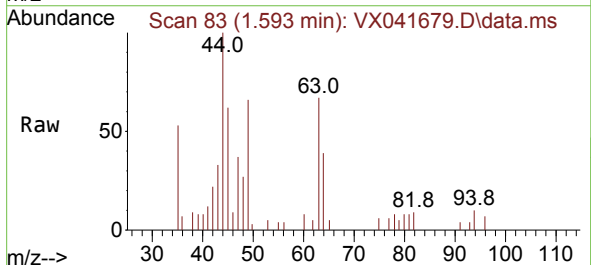
Instrument :
MSVOA_X
ClientSampleId :

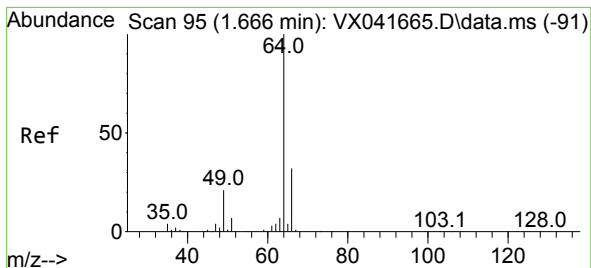
Tgt Ion:168 Resp: 148380
Ion Ratio Lower Upper
168 100
99 51.6 56.6 85.0#



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 69.6 74.6 111.8#





#6

Chloroethane

Concen: 0.978 ug/l

RT: 1.697 min Scan# 10

Delta R.T. 0.030 min

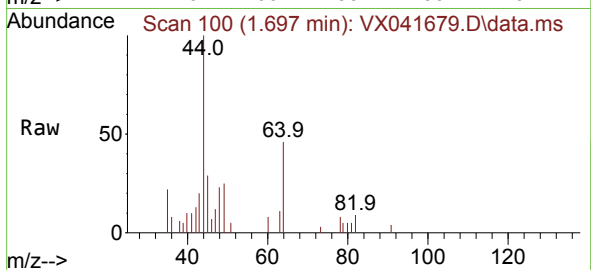
Lab File: VX041679.D

Acq: 29 May 2024 17:16

Instrument :

MSVOA_X

ClientSampleId :

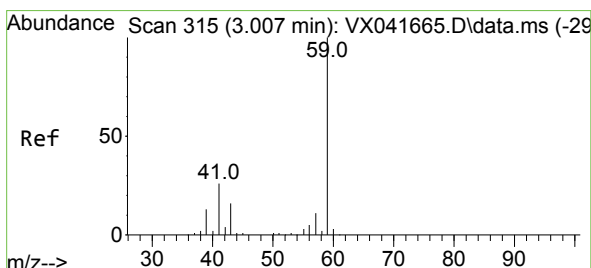
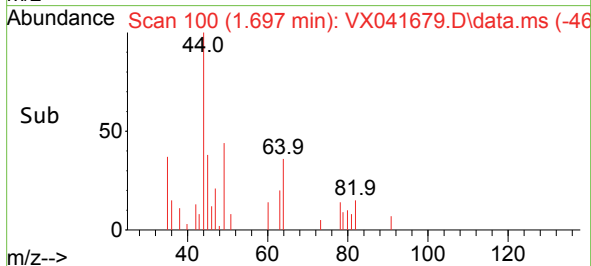
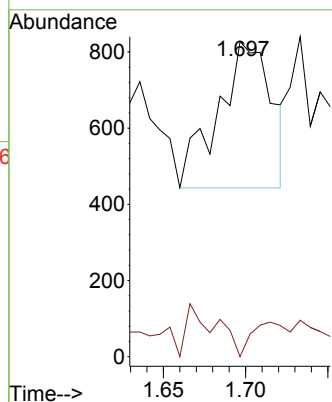


Tgt Ion: 64 Resp: 866

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 9.974 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX041679.D

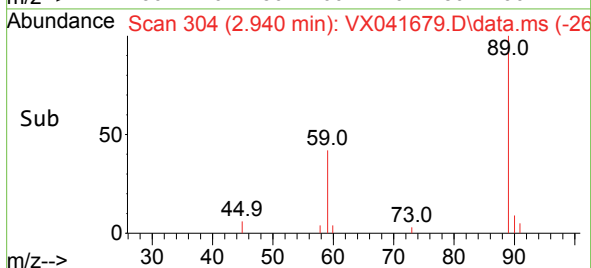
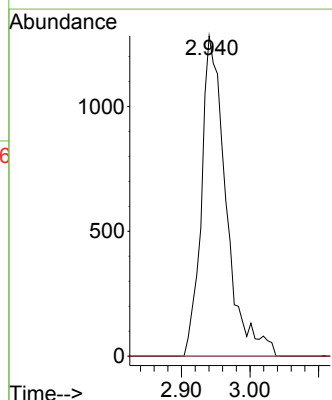
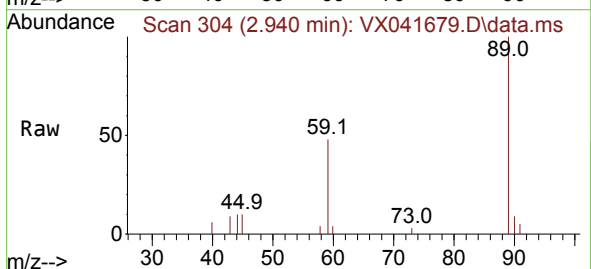
Acq: 29 May 2024 17:16

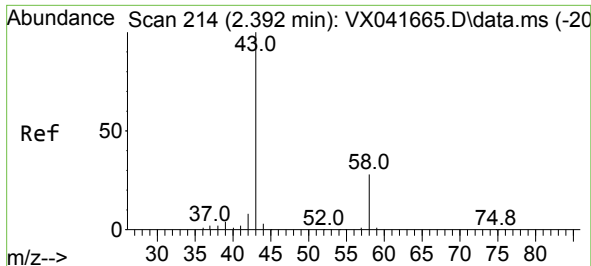
Tgt Ion: 59 Resp: 3211

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#16

Acetone

Concen: 82.538 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX041679.D

Acq: 29 May 2024 17:16

Instrument :

MSVOA_X

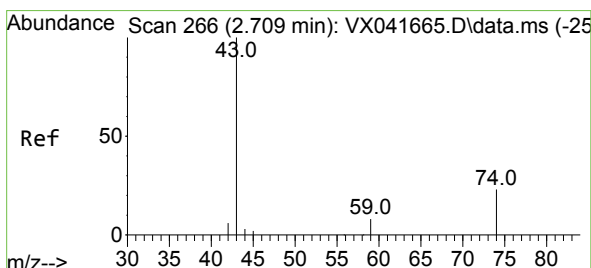
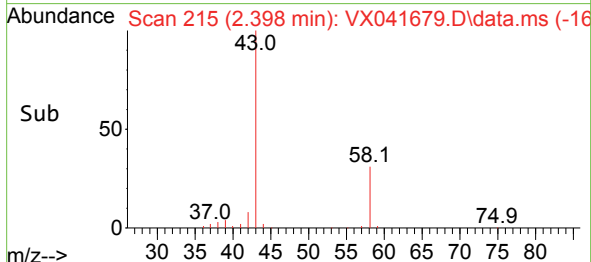
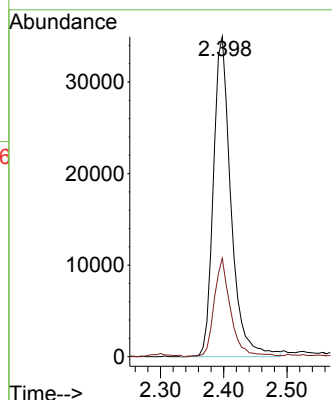
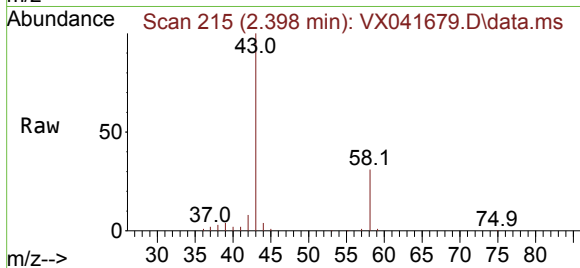
ClientSampleId :

Tgt Ion: 43 Resp: 67539

Ion Ratio Lower Upper

43 100

58 30.4 21.9 32.9



#18

Methyl Acetate

Concen: 3.116 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX041679.D

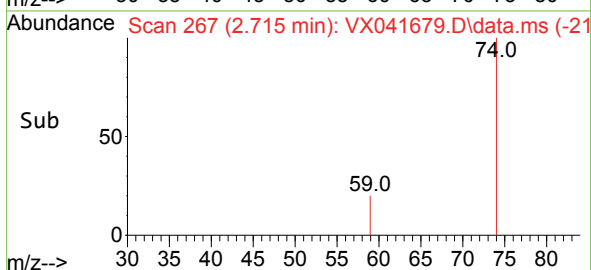
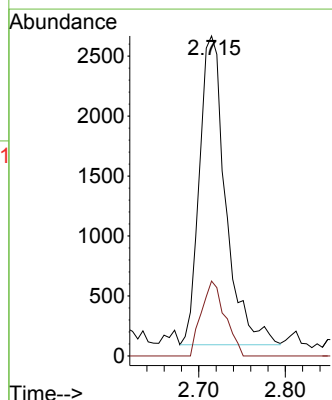
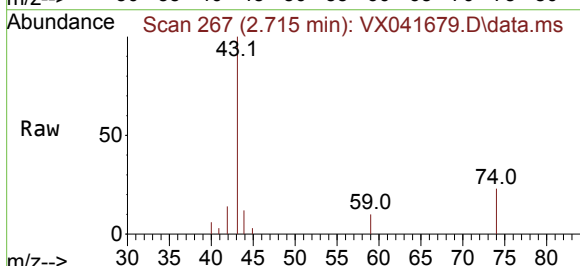
Acq: 29 May 2024 17:16

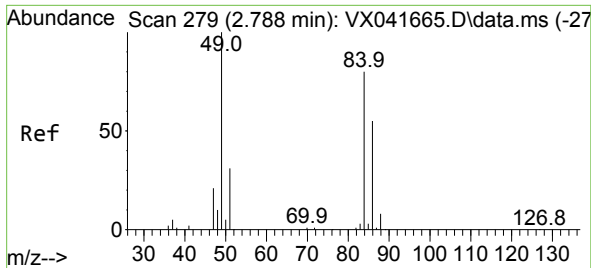
Tgt Ion: 43 Resp: 5415

Ion Ratio Lower Upper

43 100

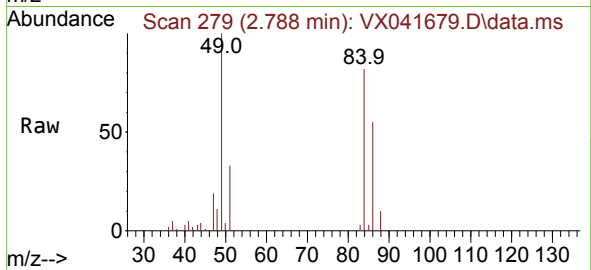
74 21.8 17.8 26.8



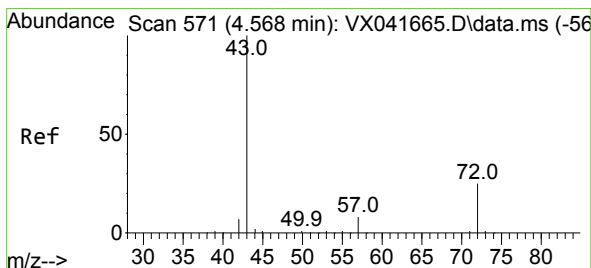
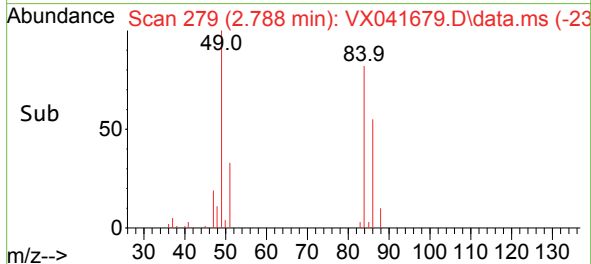
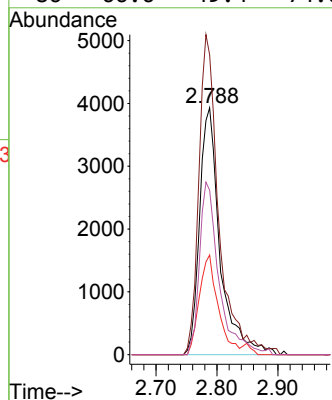


#20
Methylene Chloride
Concen: 5.640 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :

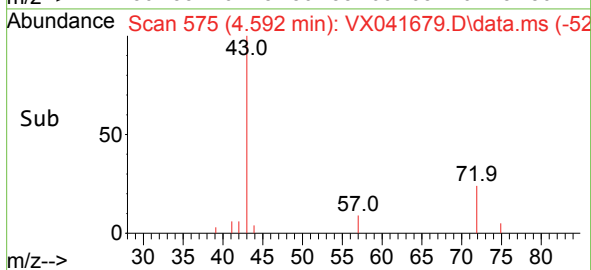
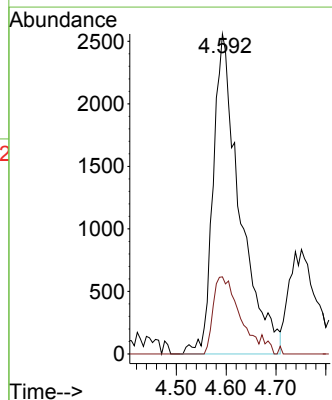
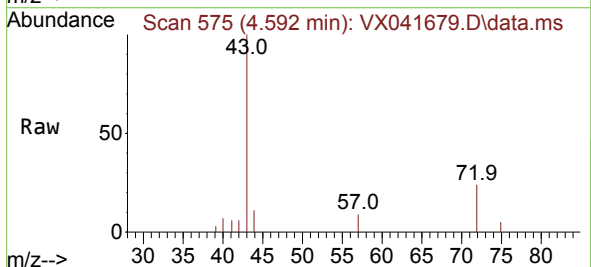


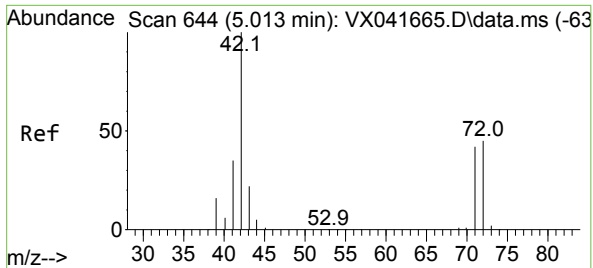
Tgt Ion:	84	Resp:	9185
Ion	Ratio	Lower	Upper
84	100		
49	121.4	103.6	155.4
51	40.3	33.8	50.6
86	66.6	49.4	74.0



#25
2-Butanone
Concen: 8.444 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion:	43	Resp:	9550
Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.596 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.036 min

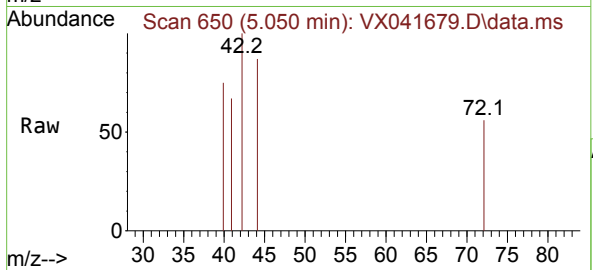
Lab File: VX041679.D

Acq: 29 May 2024 17:16

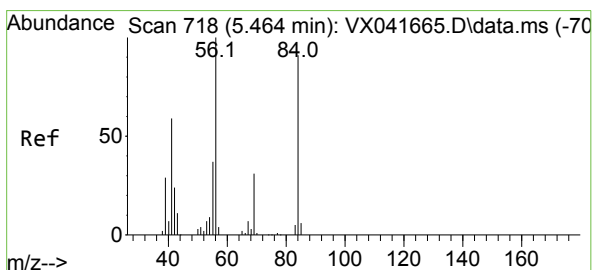
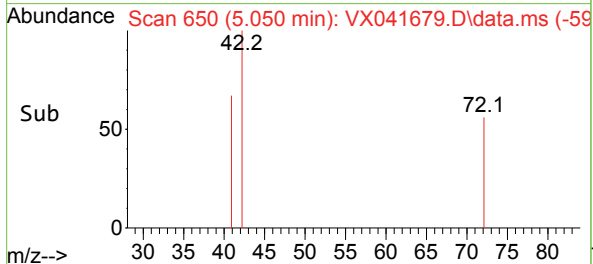
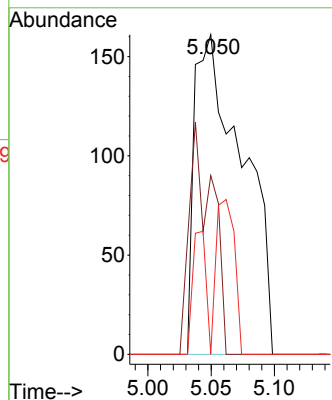
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	425
Ion	Ratio	Lower	Upper
42	100		
72	34.6	34.2	51.4
71	10.6	32.2	48.2#



#31

Cyclohexane

Concen: 1.317 ug/l

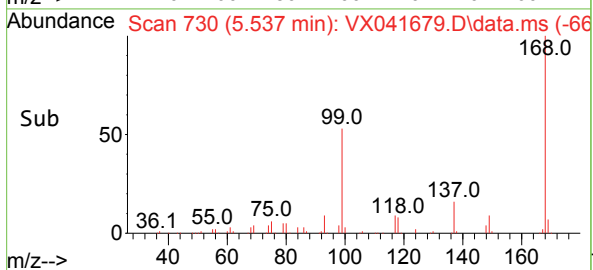
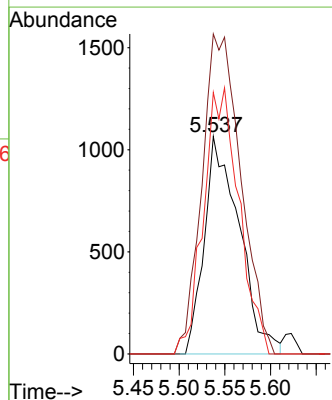
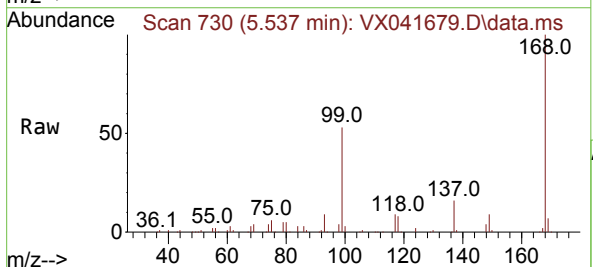
RT: 5.537 min Scan# 730

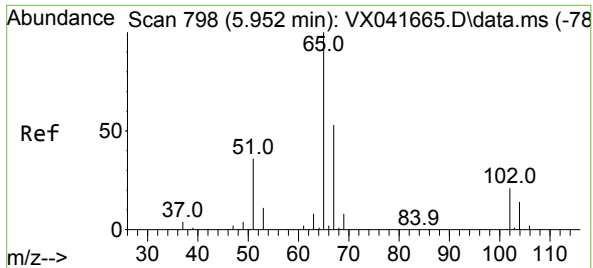
Delta R.T. 0.073 min

Lab File: VX041679.D

Acq: 29 May 2024 17:16

Tgt Ion:	56	Resp:	2829
Ion	Ratio	Lower	Upper
56	100		
69	147.1	23.4	35.2#
84	120.2	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.783 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041679.D

Acq: 29 May 2024 17:16

Instrument :

MSVOA_X

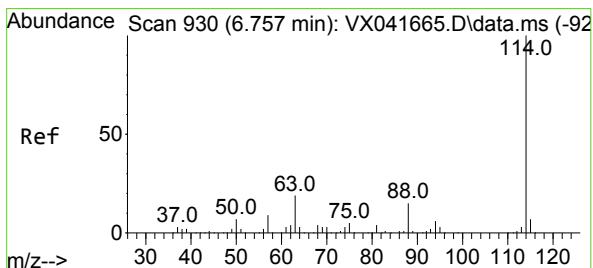
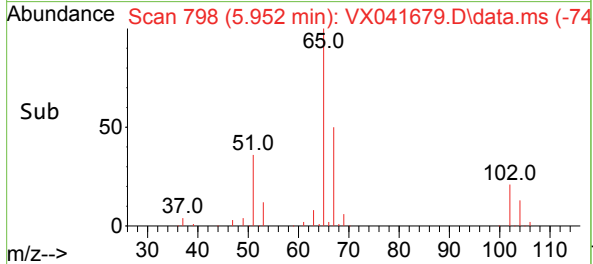
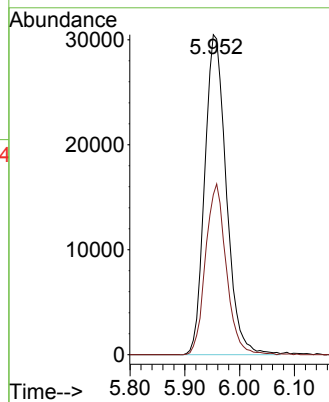
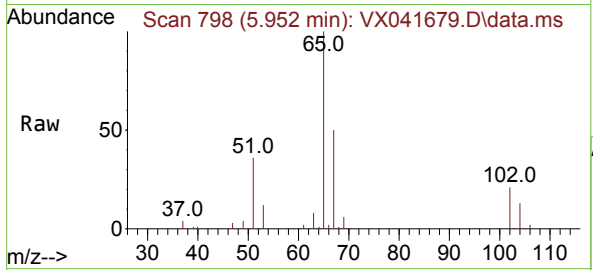
ClientSampleId :

Tgt Ion: 65 Resp: 83317

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041679.D

Acq: 29 May 2024 17:16

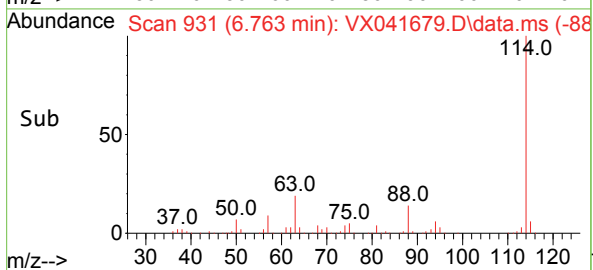
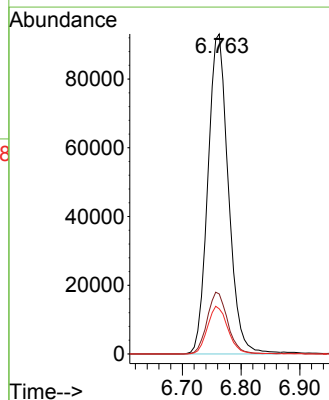
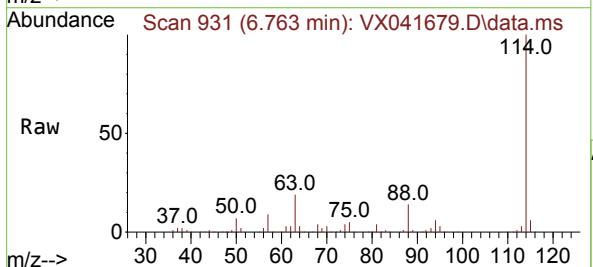
Tgt Ion: 114 Resp: 225159

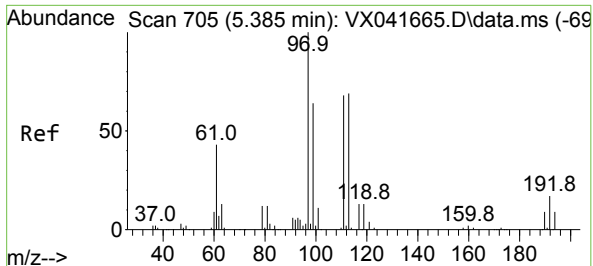
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

88 14.1 0.0 36.6

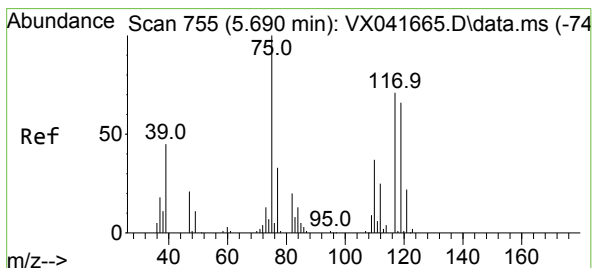
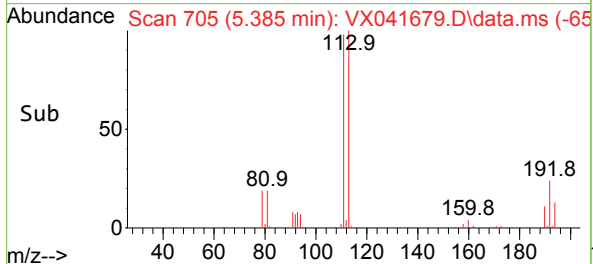
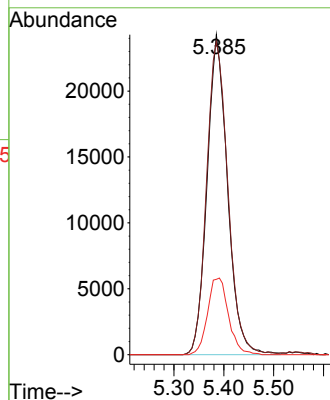
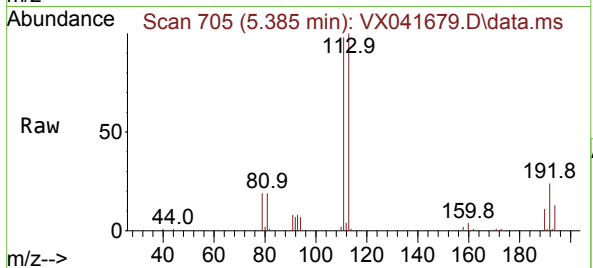




#35
Dibromofluoromethane
Concen: 44.524 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

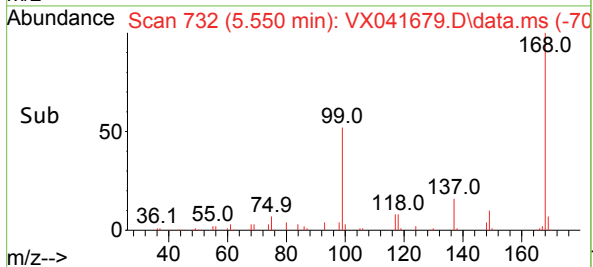
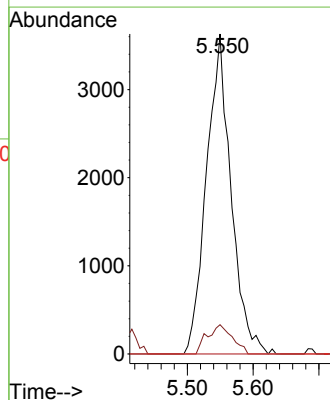
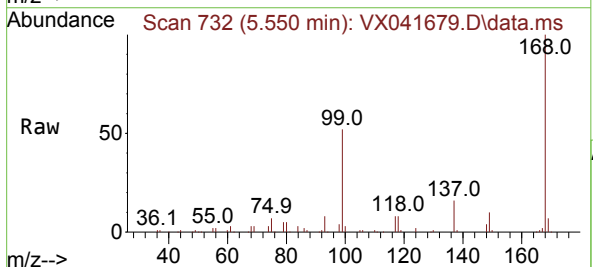
Instrument :
MSVOA_X
ClientSampleId :

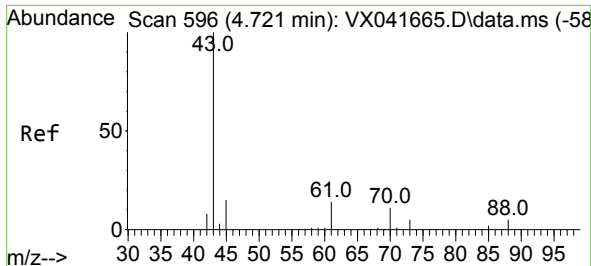
Tgt Ion:113 Resp: 69312
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 24.4 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.007 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion: 75 Resp: 9438
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.222 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.030 min

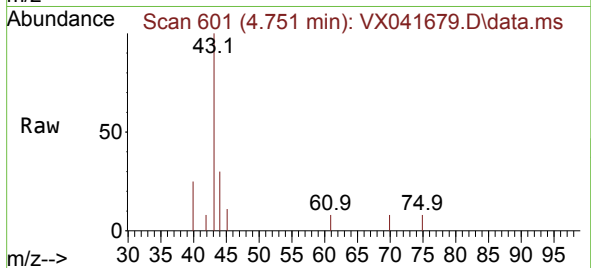
Lab File: VX041679.D

Acq: 29 May 2024 17:16

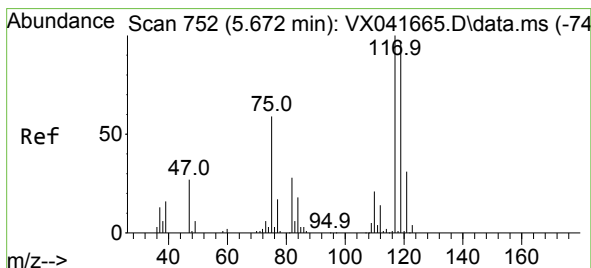
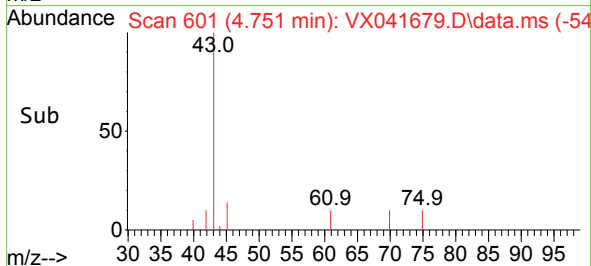
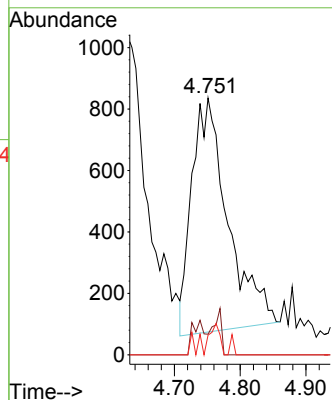
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2907
Ion Ratio	Lower Upper
43	100
61	4.3 10.6 16.0#
70	3.8 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.220 ug/l

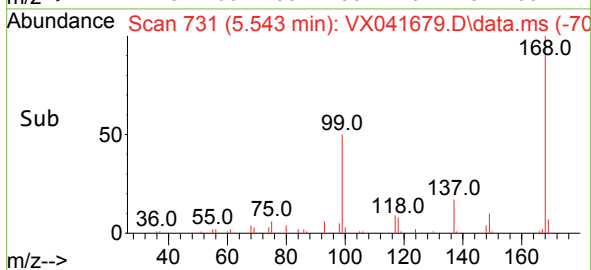
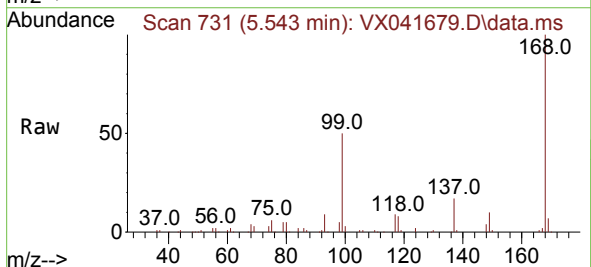
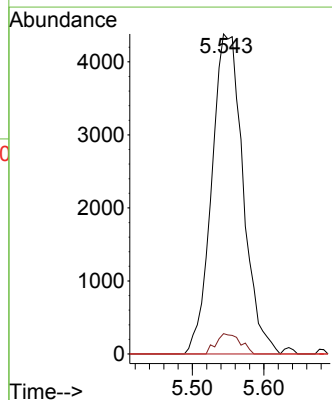
RT: 5.543 min Scan# 731

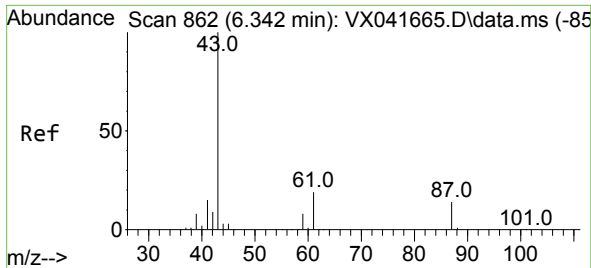
Delta R.T. -0.128 min

Lab File: VX041679.D

Acq: 29 May 2024 17:16

Tgt Ion: 117	Resp: 13321
Ion Ratio	Lower Upper
117	100
119	6.3 78.2 117.2#
121	0.0 24.4 36.6#

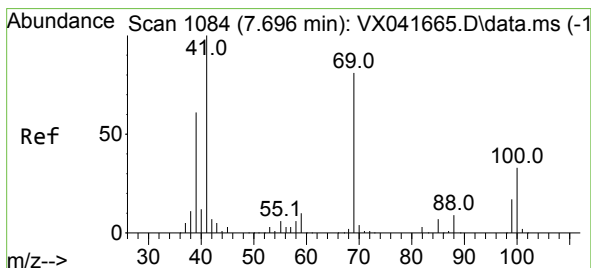
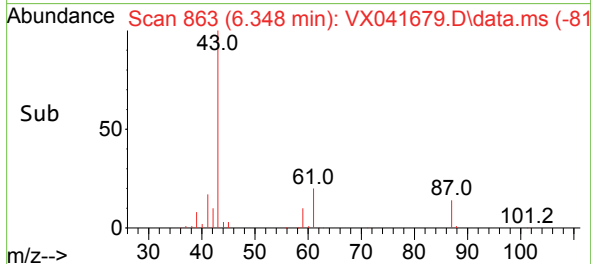
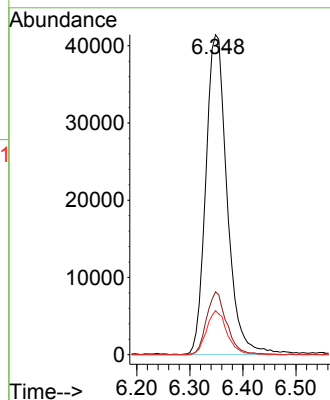
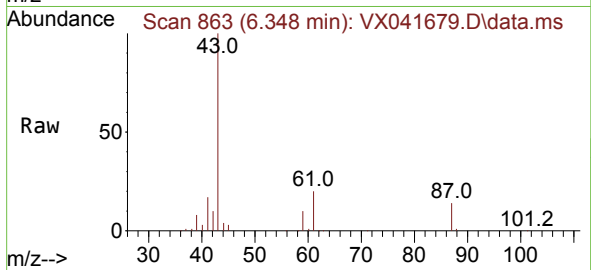




#43
Isopropyl Acetate
Concen: 32.139 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

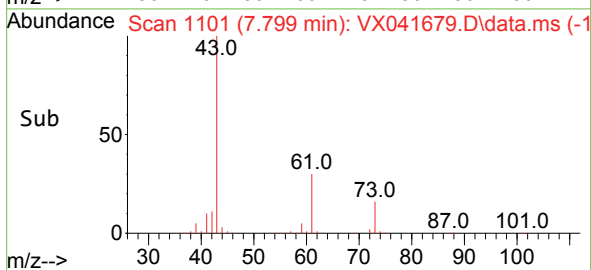
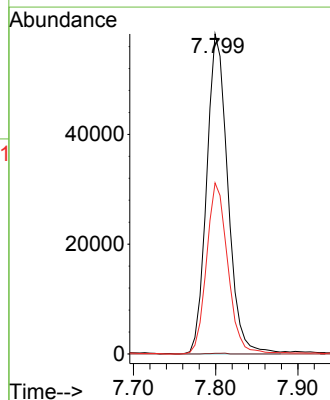
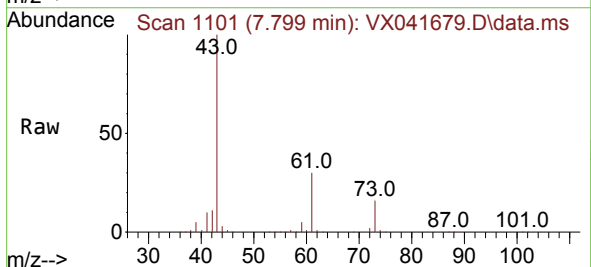
Instrument :
MSVOA_X
ClientSampleId :

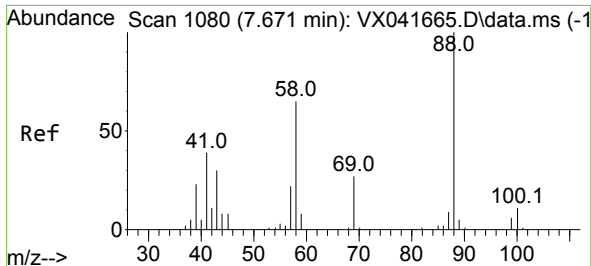
Tgt Ion: 43 Resp: 115432
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 13.2 9.8 14.6



#48
Methyl methacrylate
Concen: 60.447 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion: 41 Resp: 104259
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.3 47.7 71.5

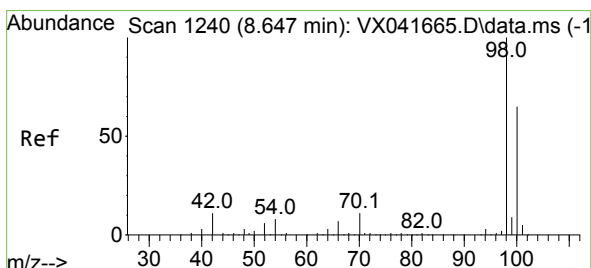
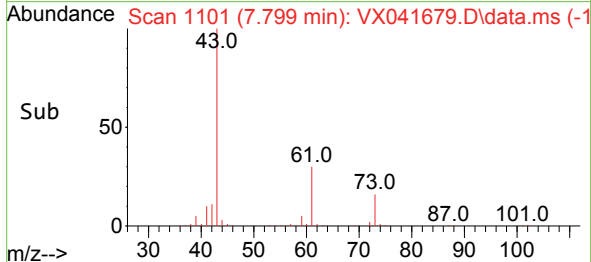
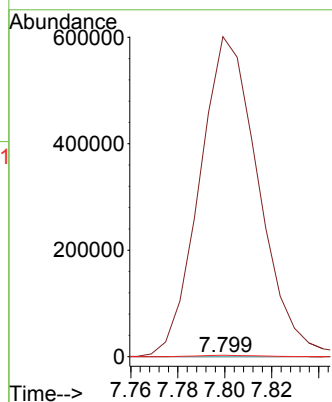
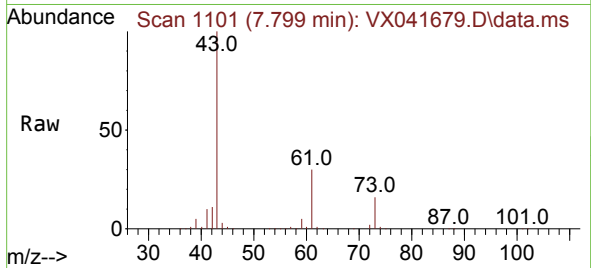




#49
1,4-Dioxane
Concen: 4.856 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

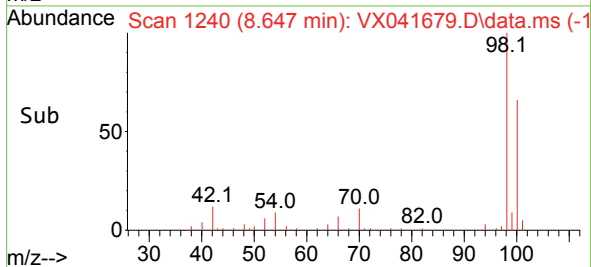
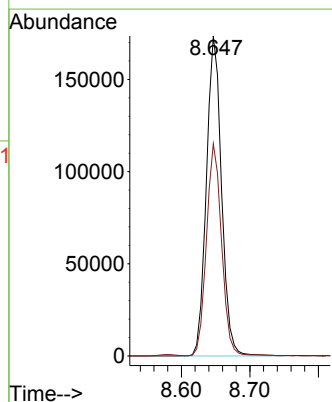
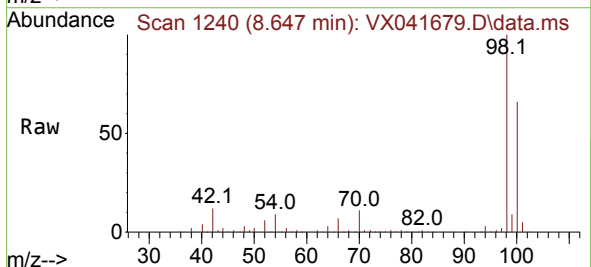
Instrument :
MSVOA_X
ClientSampleId :

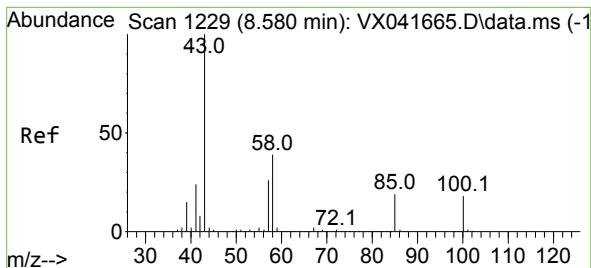
Tgt Ion: 88 Resp: 183
Ion Ratio Lower Upper
88 100
43 584574.9 0.0 0.0#
58 2638.3 60.1 90.1#



#50
Toluene-d8
Concen: 49.117 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion: 98 Resp: 267168
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

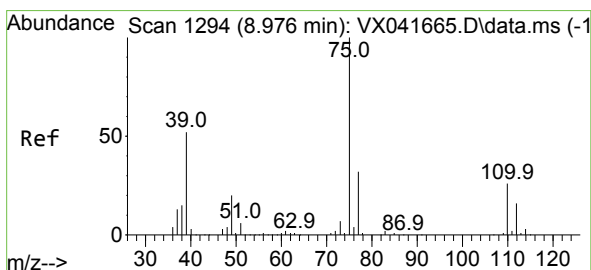
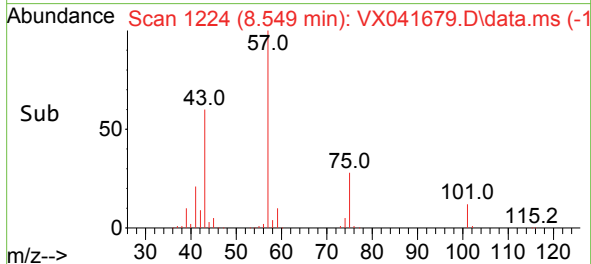
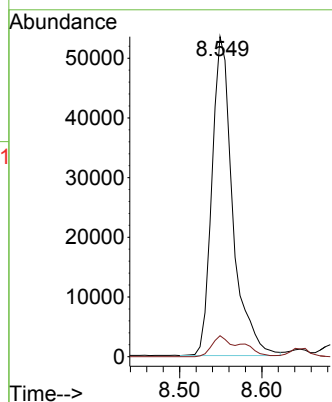
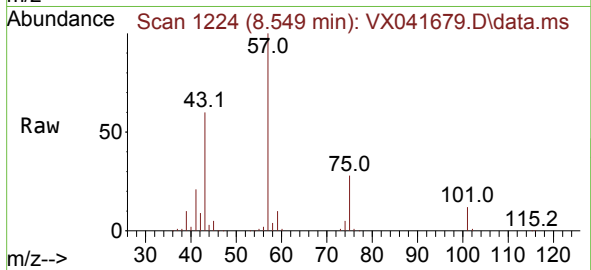




#51
4-Methyl-2-Pentanone
Concen: 40.265 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

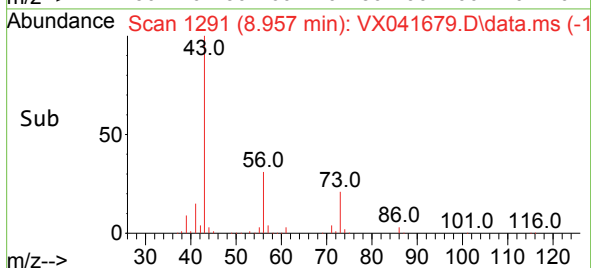
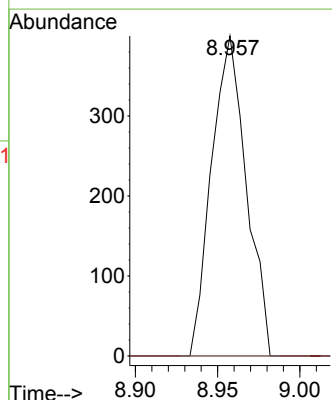
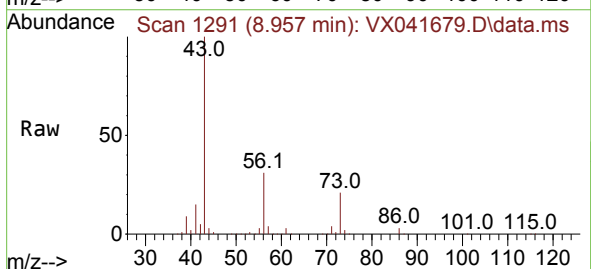
Instrument :
MSVOA_X
ClientSampleId :

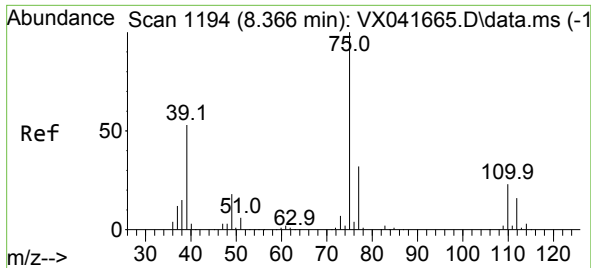
Tgt Ion: 43 Resp: 93776
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.300 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

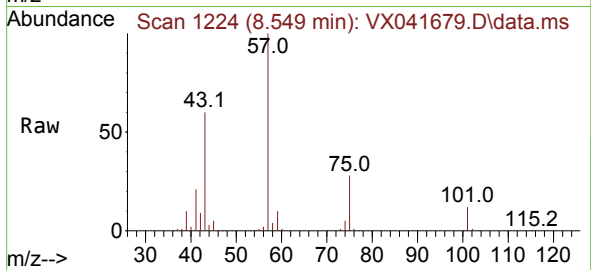
Tgt Ion: 75 Resp: 588
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



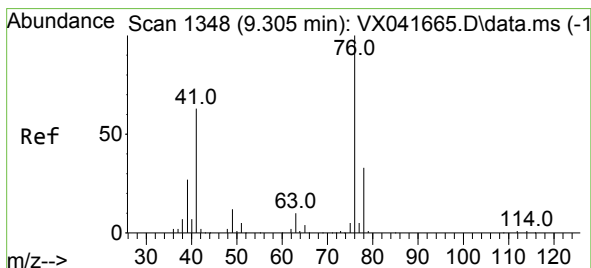
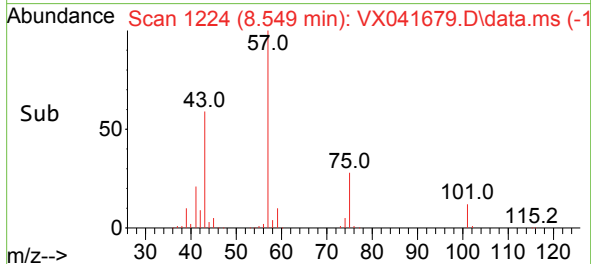
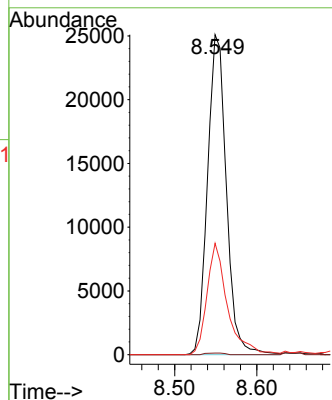


#54
 cis-1,3-Dichloropropene
 Concen: 18.382 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041679.D
 Acq: 29 May 2024 17:16

Instrument :
 MSVOA_X
 ClientSampleId :

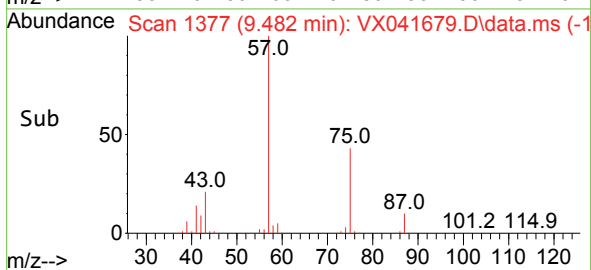
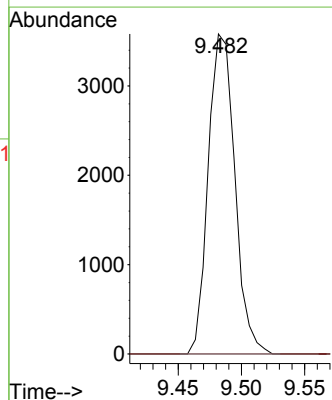
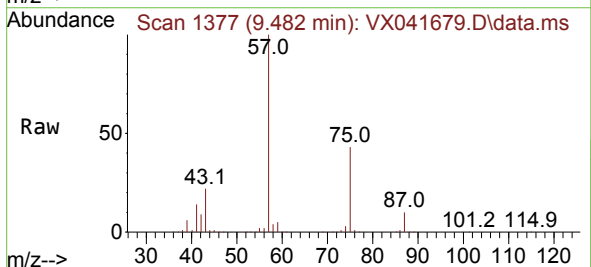


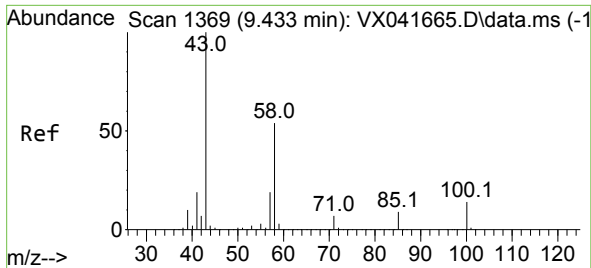
Tgt Ion: 75 Resp: 39823
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.095 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041679.D
 Acq: 29 May 2024 17:16

Tgt Ion: 76 Resp: 5242
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

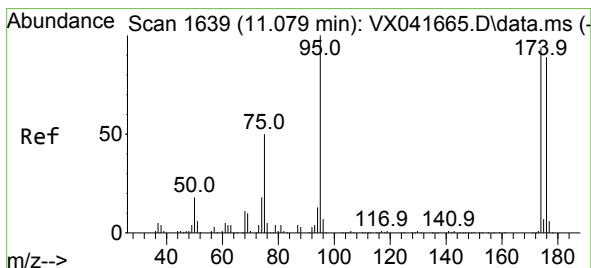
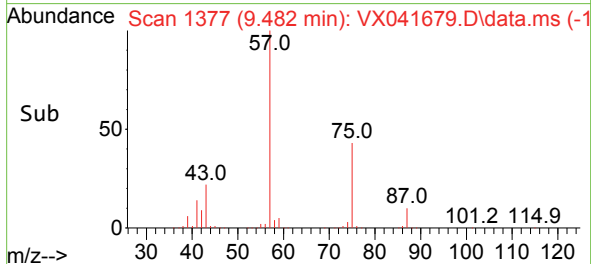
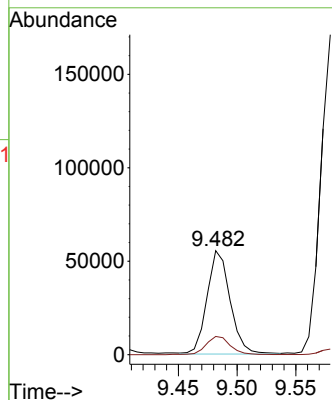
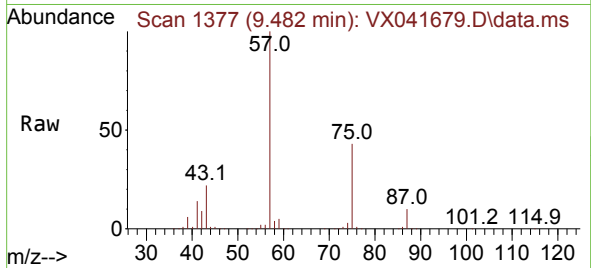




#59
2-Hexanone
Concen: 42.718 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

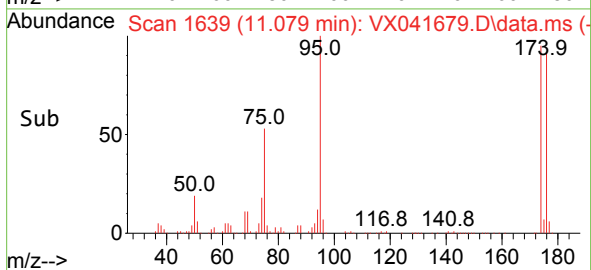
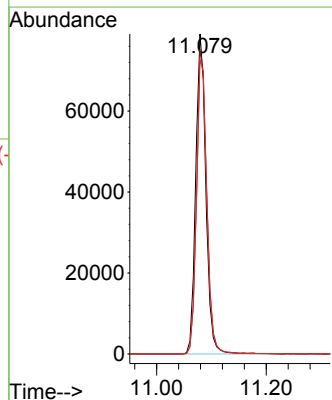
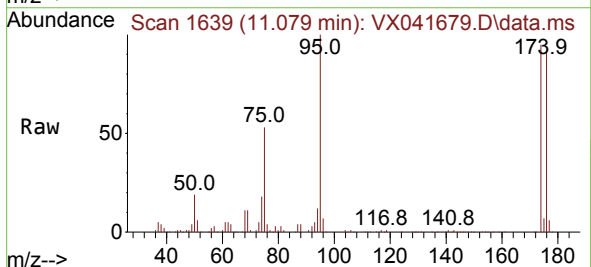
Instrument :
MSVOA_X
ClientSampleId :

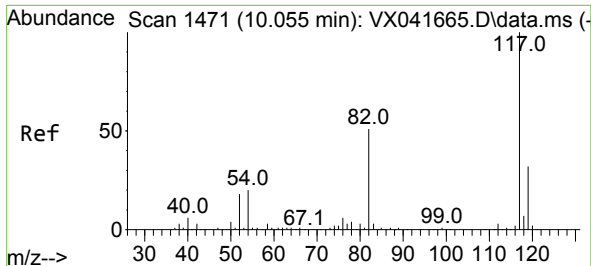
Tgt Ion: 43 Resp: 75851
Ion Ratio Lower Upper
43 100
58 18.8 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.892 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion: 95 Resp: 102170
Ion Ratio Lower Upper
95 100
174 95.5 0.0 135.6
176 93.9 0.0 131.0

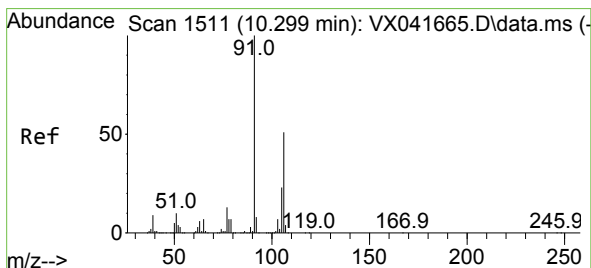
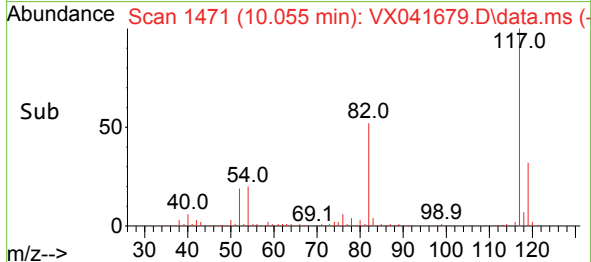
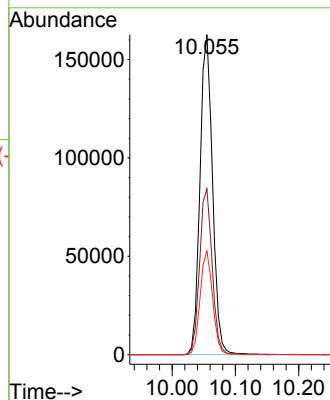
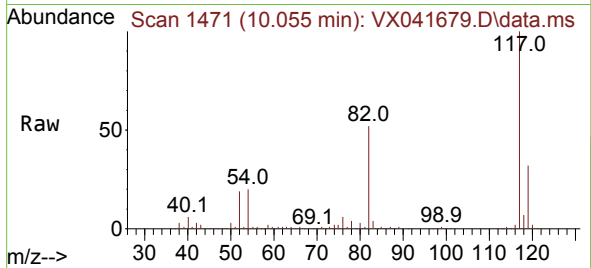




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

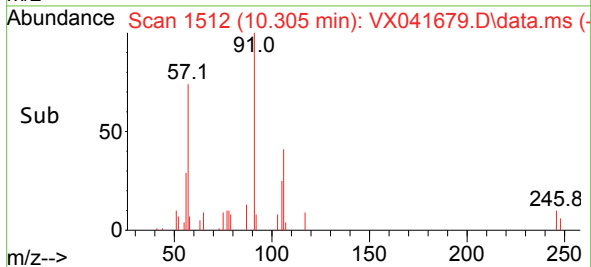
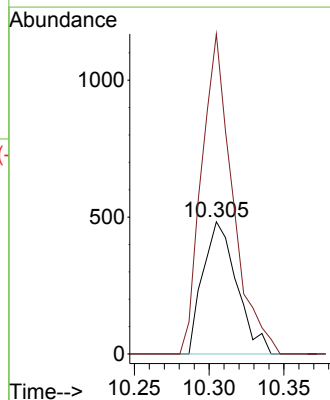
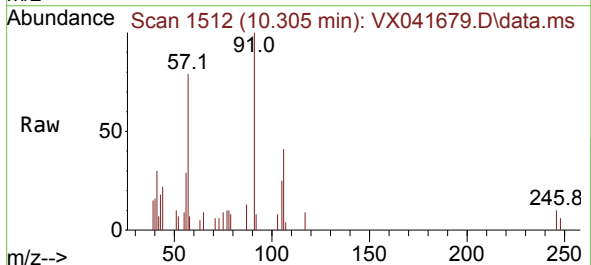
Instrument :
MSVOA_X
ClientSampleId :

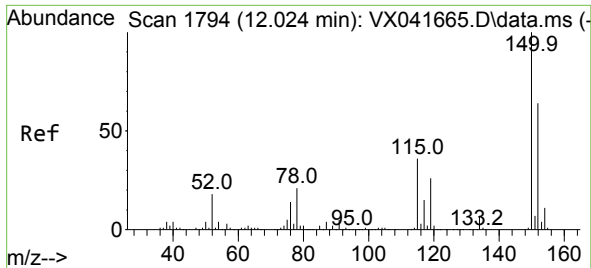
Tgt Ion:117 Resp: 224824
Ion Ratio Lower Upper
117 100
82 51.8 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.249 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

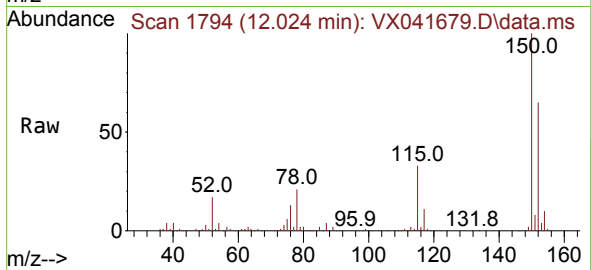
Tgt Ion:106 Resp: 761
Ion Ratio Lower Upper
106 100
91 221.6 165.5 248.3



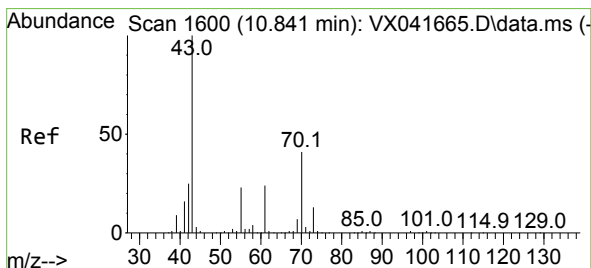
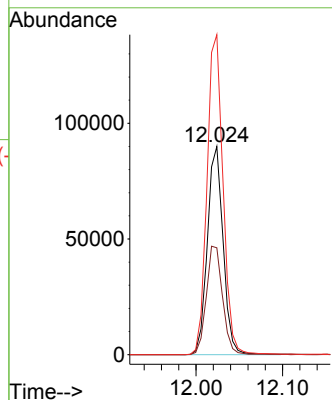
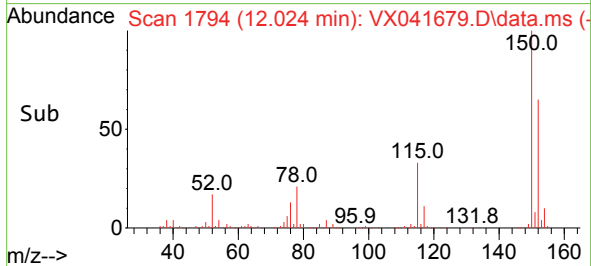


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX041679.D
 Acq: 29 May 2024 17:16

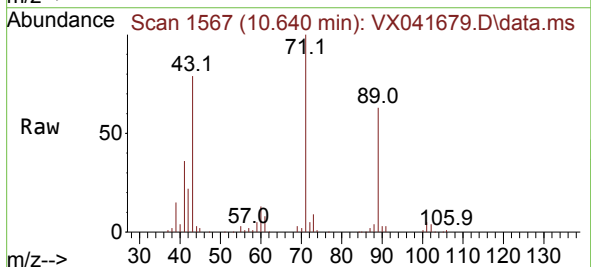
Instrument :
 MSVOA_X
 ClientSampleId :



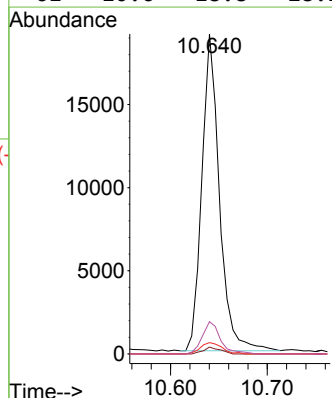
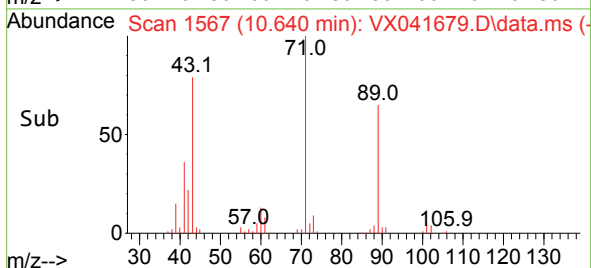
Tgt Ion:152 Resp: 113968
 Ion Ratio Lower Upper
 152 100
 115 53.8 43.3 129.9
 150 156.2 0.0 345.0

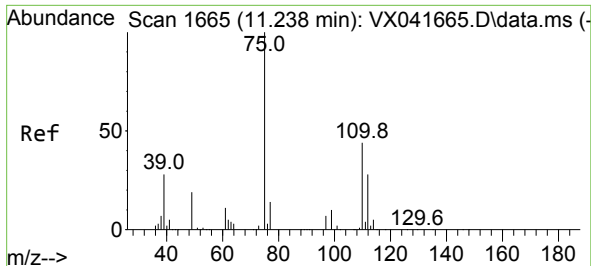


#74
 N-ethyl acetate
 Concen: 7.692 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX041679.D
 Acq: 29 May 2024 17:16



Tgt Ion: 43 Resp: 24089
 Ion Ratio Lower Upper
 43 100
 70 2.1 32.9 49.3#
 55 4.4 19.3 28.9#
 61 10.6 18.8 28.2#

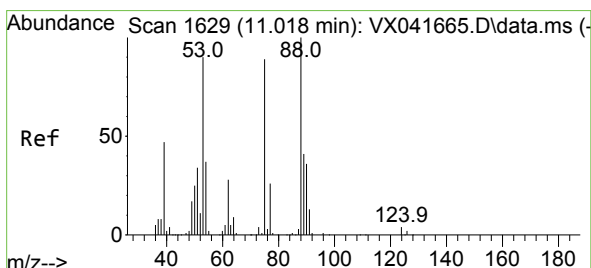
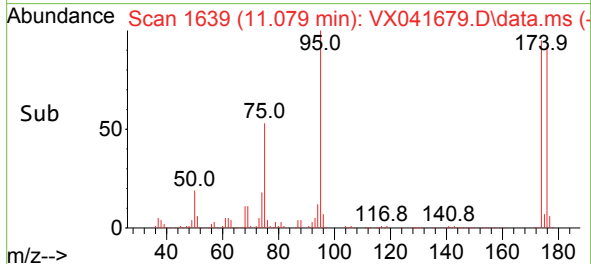
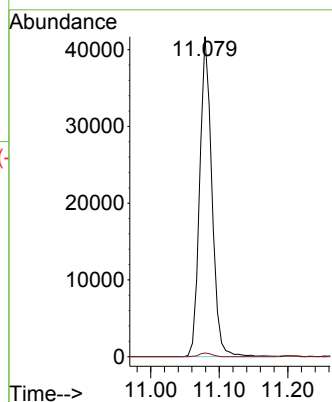
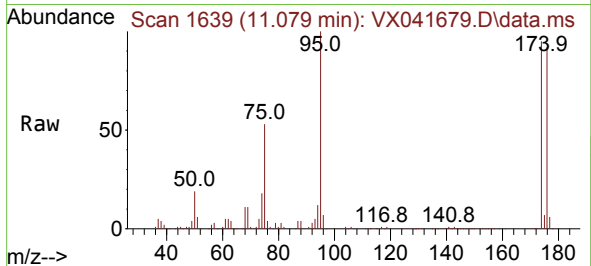




#76
1,2,3-Trichloropropane
Concen: 26.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 51762
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.946 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041679.D
Acq: 29 May 2024 17:16

Tgt Ion: 75 Resp: 51762
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

