

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060624\
 Data File : VX041770.D
 Acq On : 06 Jun 2024 12:23
 Operator : JC/MD
 Sample : P2749-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 00:59:19 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)

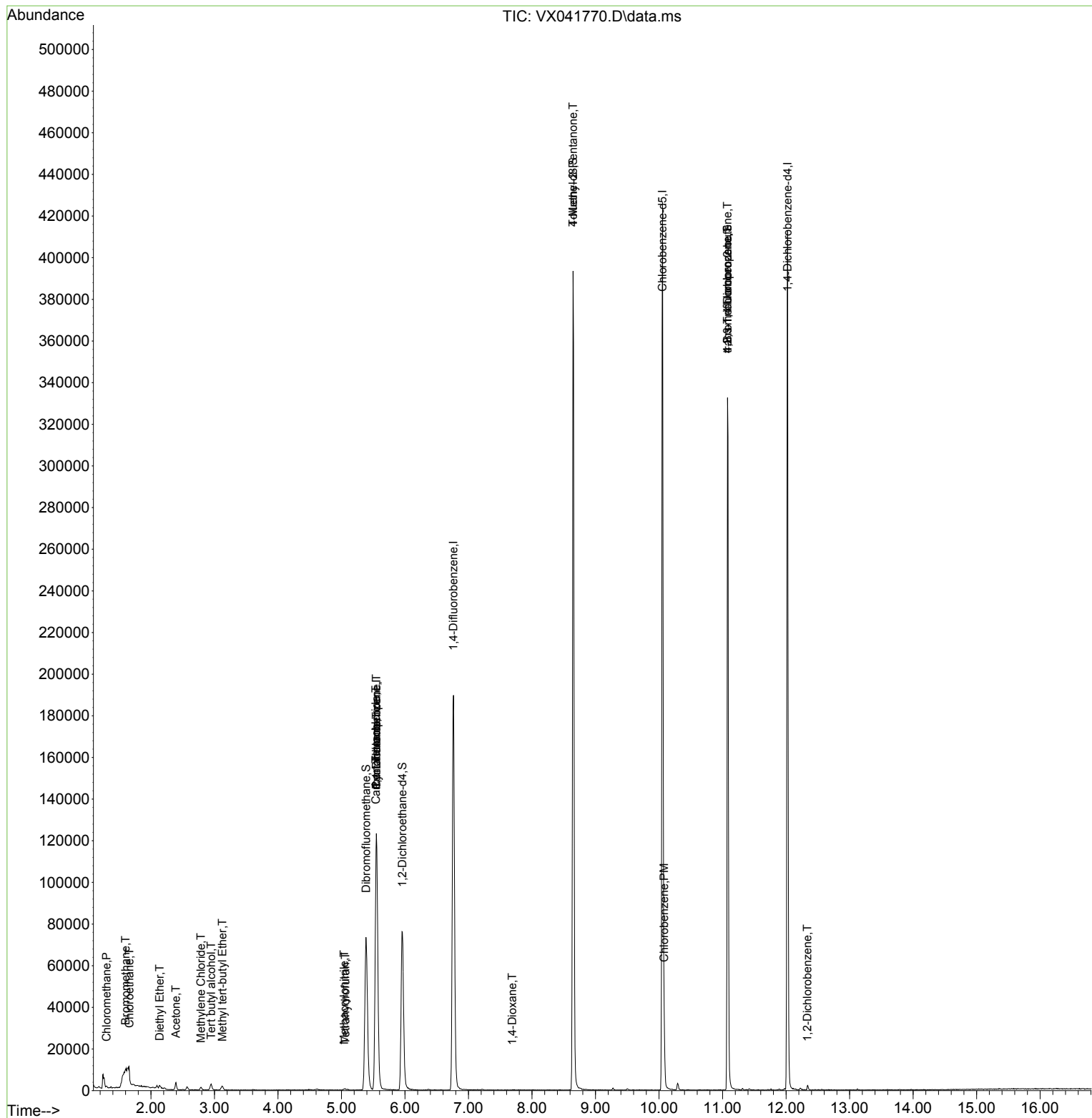
Internal Standards						
1) Pentafluorobenzene	5.550	168	129116	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	201410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77634	49.025	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.040%
35) Dibromofluoromethane	5.385	113	63411	45.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.080%
50) Toluene-d8	8.647	98	236234	48.551	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.100%
62) 4-Bromofluorobenzene	11.079	95	86391	48.106	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.220%
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	557	0.450	ug/l	# 84
5) Bromomethane	1.599	94	306	0.345	ug/l	# 65
6) Chloroethane	1.660	64	171	0.222	ug/l	# 43
8) Diethyl Ether	2.136	74	263	0.328	ug/l	94
11) Tert butyl alcohol	2.946	59	1788	6.383	ug/l	# 78
16) Acetone	2.392	43	3598	2.486	ug/l	# 89
19) Methyl tert-butyl Ether	3.123	73	2215	0.575	ug/l	# 91
20) Methylene Chloride	2.788	84	671	0.473	ug/l	93
29) Tetrahydrofuran	5.062	42	477	0.768	ug/l	# 64
31) Cyclohexane	5.550	56	2428	1.299	ug/l	# 13
36) 1,1-Dichloropropene	5.550	75	8015	4.753	ug/l	# 51
38) Carbon Tetrachloride	5.543	117	11439	5.971	ug/l	# 16
41) Methacrylonitrile	5.044	41	370	0.356	ug/l	# 35
49) 1,4-Dioxane	7.689	88	176	5.221	ug/l	# 42
51) 4-Methyl-2-Pentanone	8.647	43	1063	0.510	ug/l	# 1
65) Chlorobenzene	10.079	112	11283	2.676	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	43663	27.282	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	43663	74.357	ug/l	# 5
91) 1,2-Dichlorobenzene	12.335	146	985	0.322	ug/l	90

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 07 00:59:19 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





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041770.D

Acq: 06 Jun 2024 12:23

Instrument :

MSVOA_X

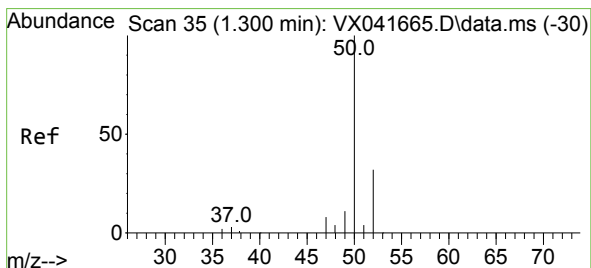
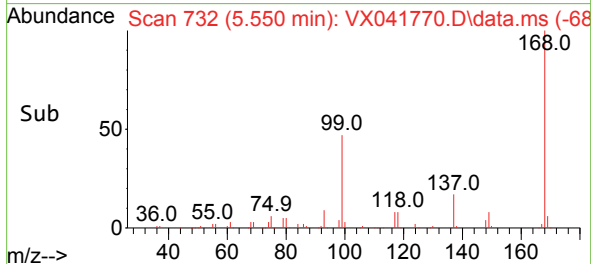
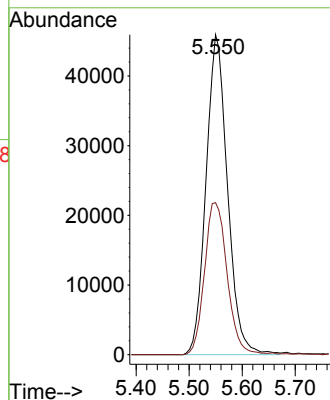
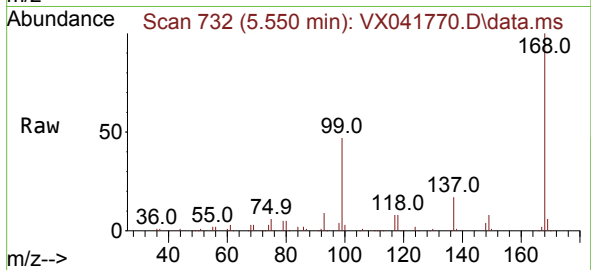
ClientSampleId :

Tgt Ion:168 Resp: 129116

Ion Ratio Lower Upper

168 100

99 47.5 56.6 85.0#



#3

Chloromethane

Concen: 0.450 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.000 min

Lab File: VX041770.D

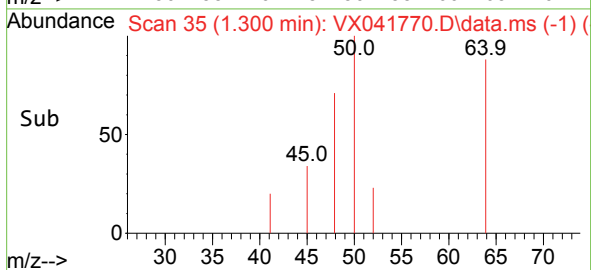
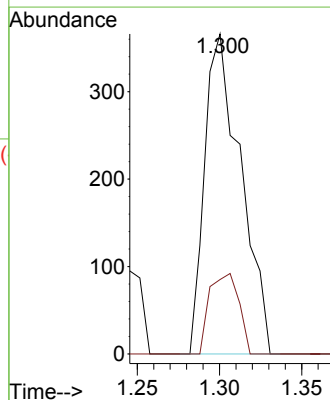
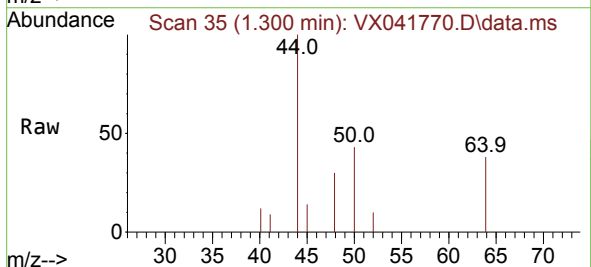
Acq: 06 Jun 2024 12:23

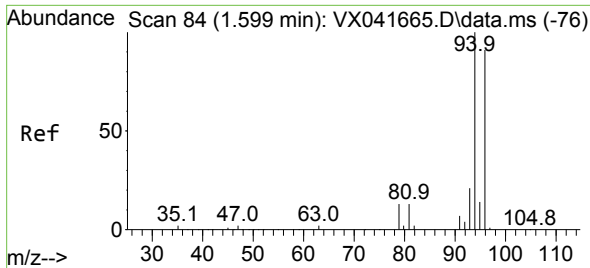
Tgt Ion: 50 Resp: 557

Ion Ratio Lower Upper

50 100

52 23.2 25.5 38.3#

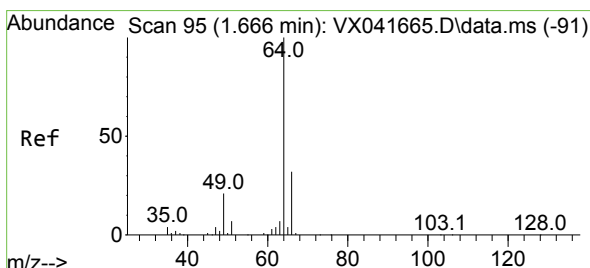
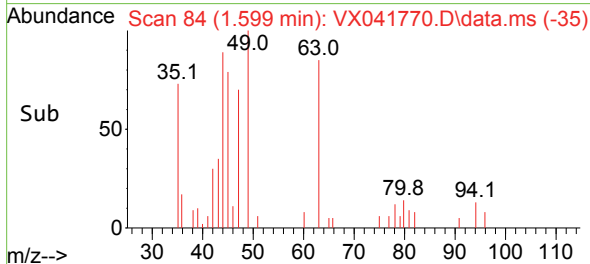
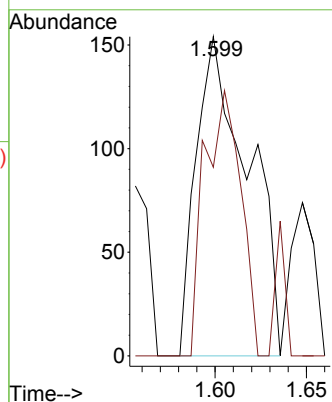
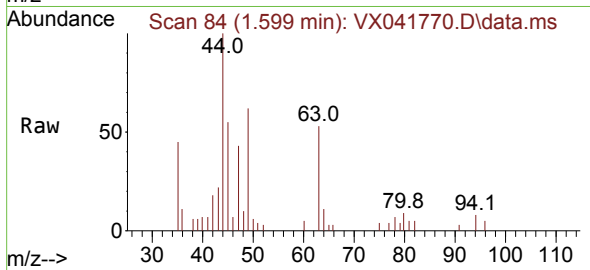




#5
Bromomethane
Concen: 0.345 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

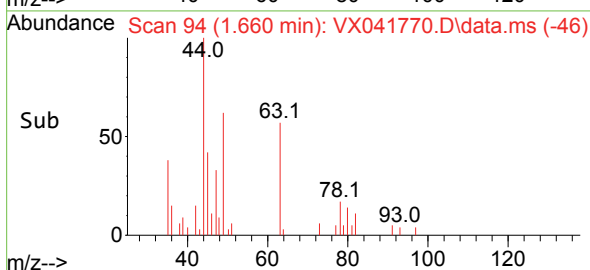
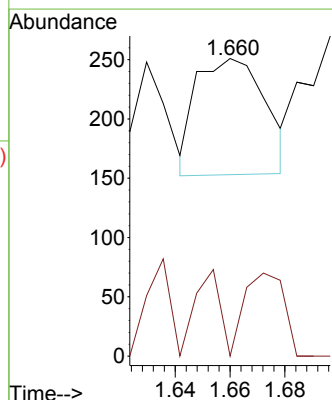
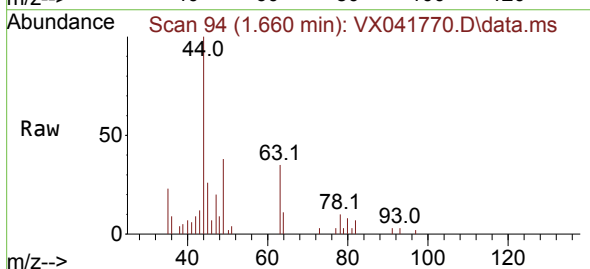
Instrument :
MSVOA_X
ClientSampleId :

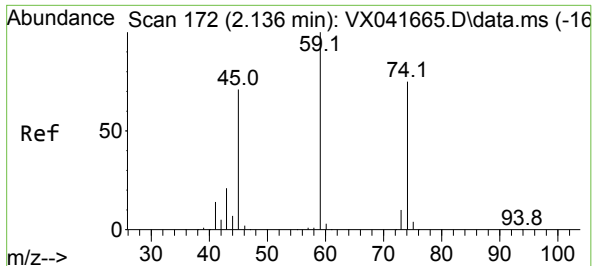
Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 59.1 74.6 111.8#



#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion: 64 Resp: 171
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

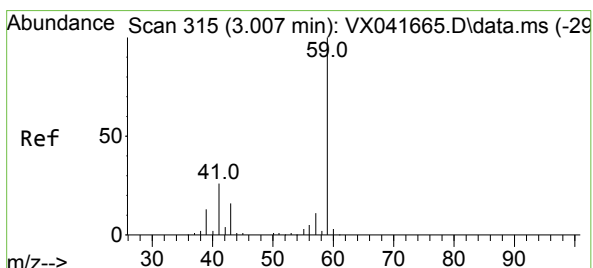
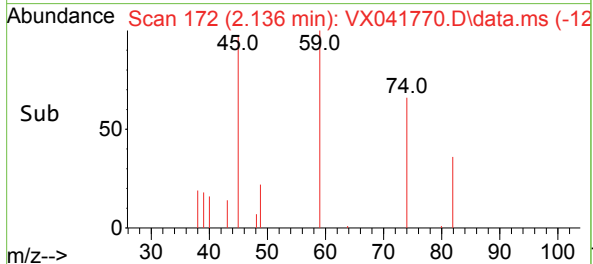
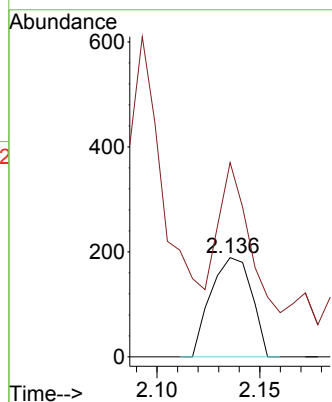
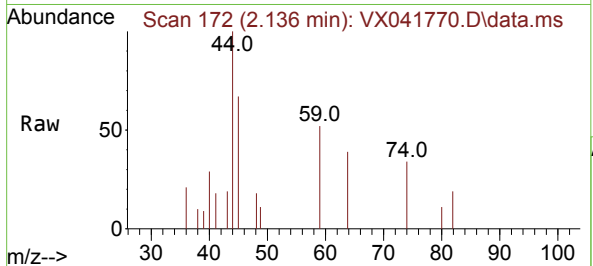




#8
Diethyl Ether
Concen: 0.328 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

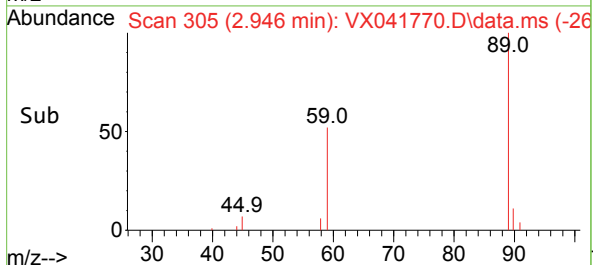
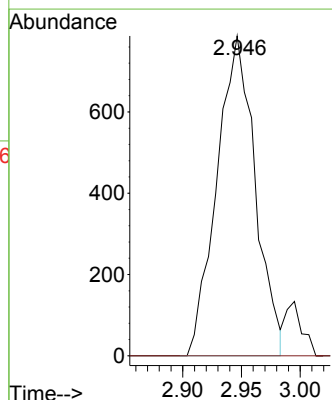
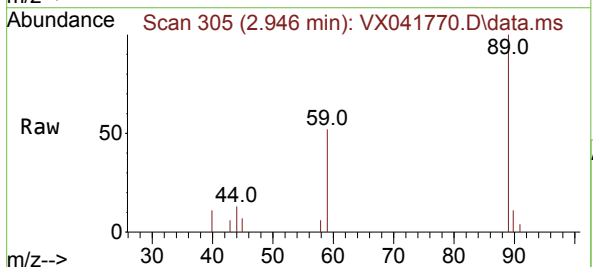
Instrument :
MSVOA_X
ClientSampleId :

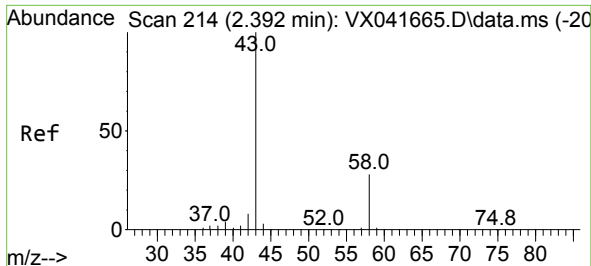
Tgt Ion: 74 Resp: 263
Ion Ratio Lower Upper
74 100
45 112.5 53.3 159.8



#11
Tert butyl alcohol
Concen: 6.383 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion: 59 Resp: 1788
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

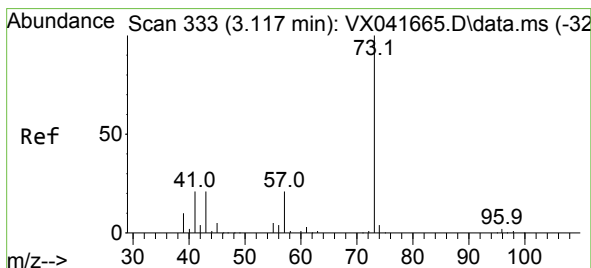
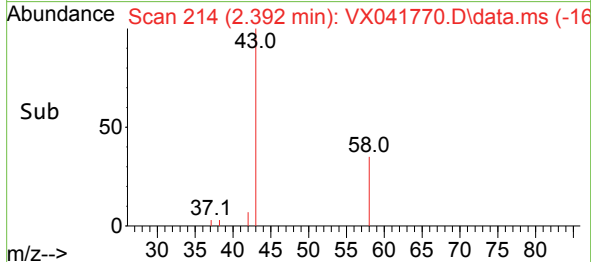
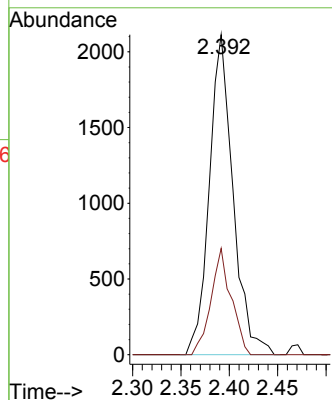
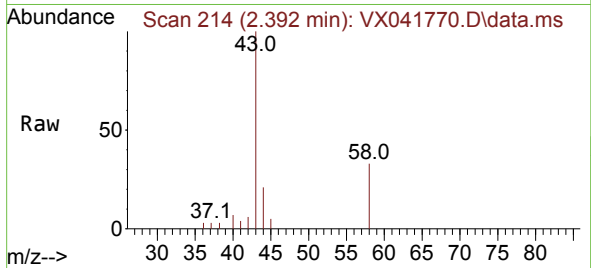




#16
Acetone
Concen: 2.486 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

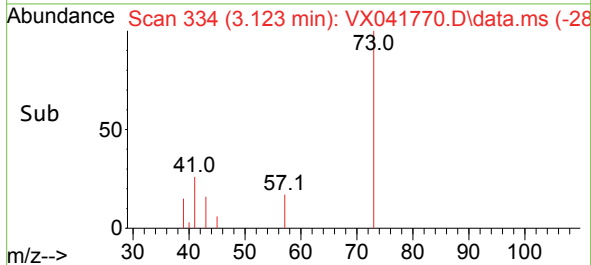
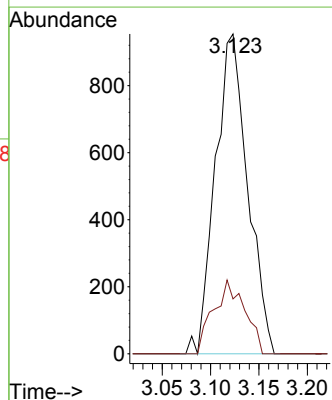
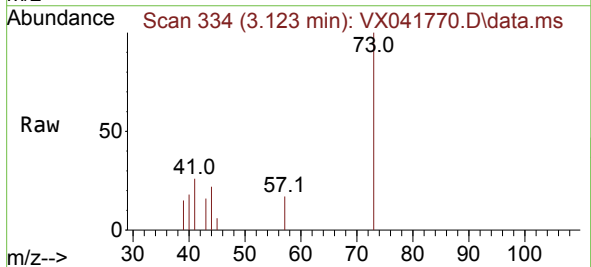
Instrument :
MSVOA_X
ClientSampleId :

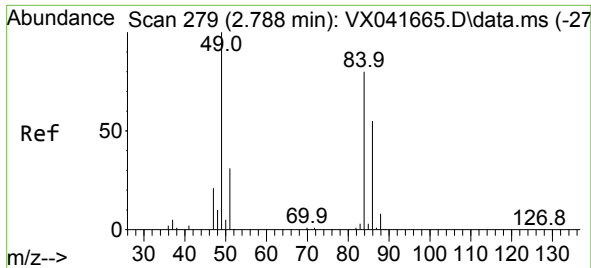
Tgt Ion: 43 Resp: 3598
Ion Ratio Lower Upper
43 100
58 33.2 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.575 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

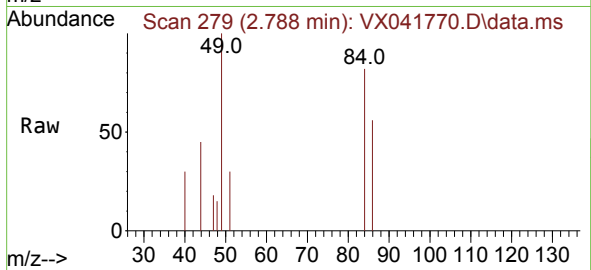
Tgt Ion: 73 Resp: 2215
Ion Ratio Lower Upper
73 100
57 17.2 17.3 25.9#



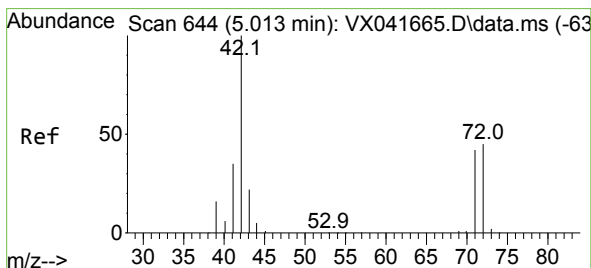
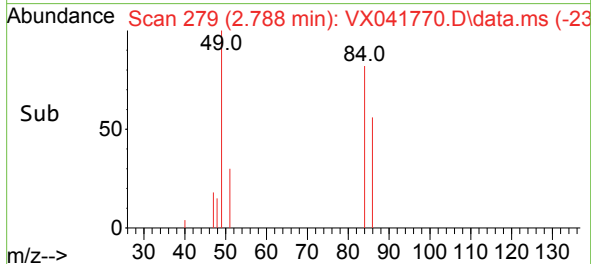
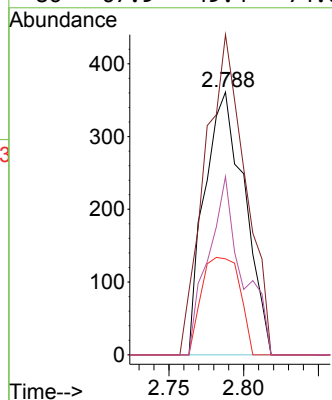


#20
Methylene Chloride
Concen: 0.473 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

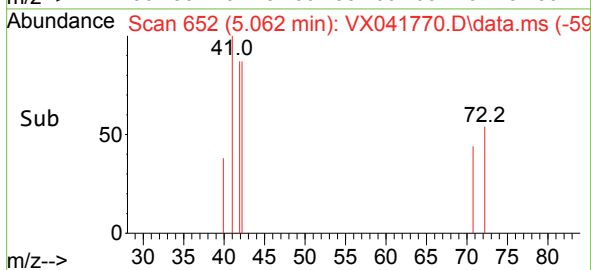
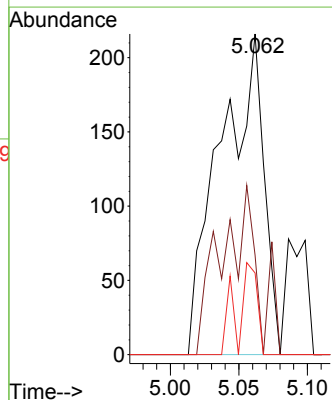
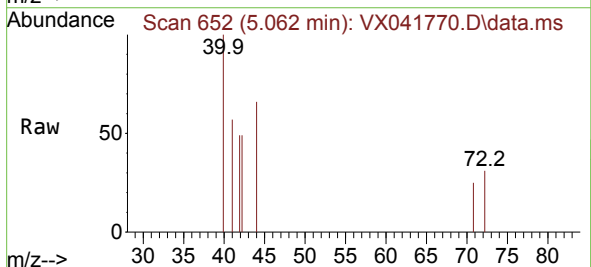


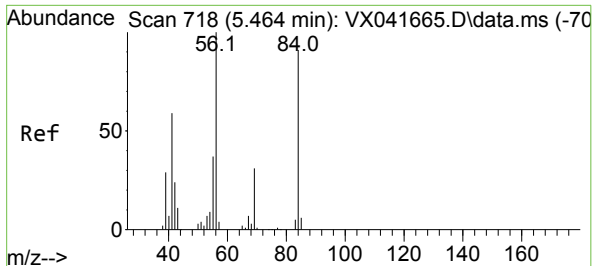
Tgt Ion:	84	Resp:	671
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.6	155.4
51	36.6	33.8	50.6
86	67.9	49.4	74.0



#29
Tetrahydrofuran
Concen: 0.768 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.049 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion:	42	Resp:	477
Ion	Ratio	Lower	Upper
42	100		
72	24.7	34.2	51.4#
71	13.0	32.2	48.2#





#31

Cyclohexane

Concen: 1.299 ug/l

RT: 5.550 min Scan# 718

Delta R.T. 0.085 min

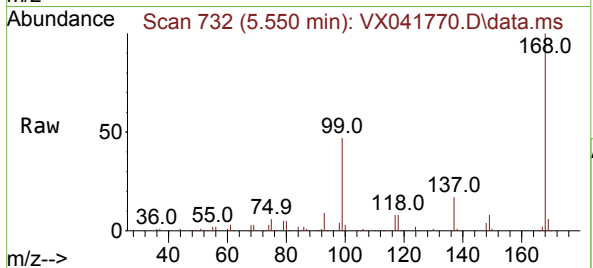
Lab File: VX041770.D

Acq: 06 Jun 2024 12:23

Instrument :

MSVOA_X

ClientSampleId :



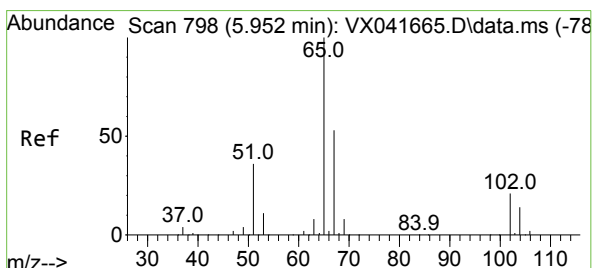
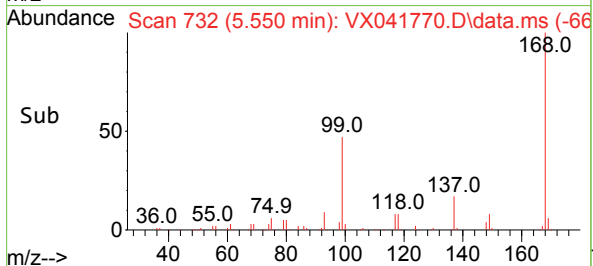
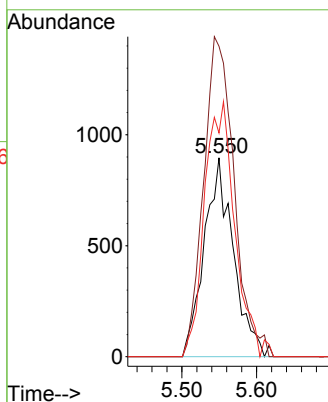
Tgt Ion: 56 Resp: 2428

Ion Ratio Lower Upper

56 100

69 156.1 23.4 35.2#

84 112.5 65.9 98.9#



#33

1,2-Dichloroethane-d4

Concen: 49.025 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX041770.D

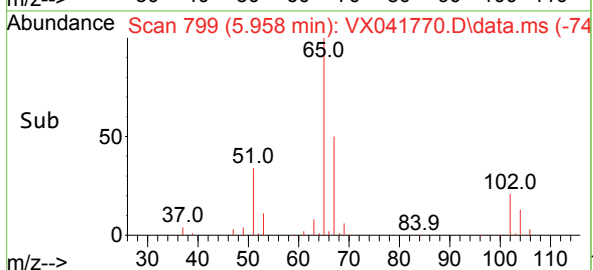
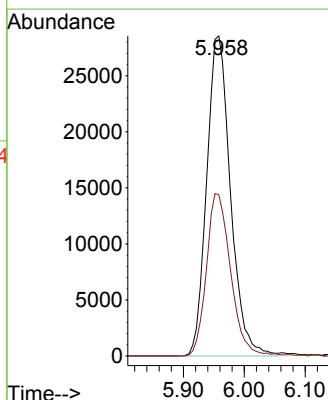
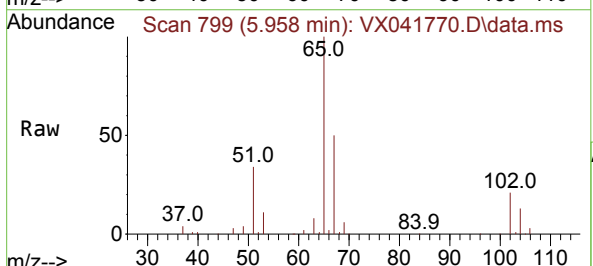
Acq: 06 Jun 2024 12:23

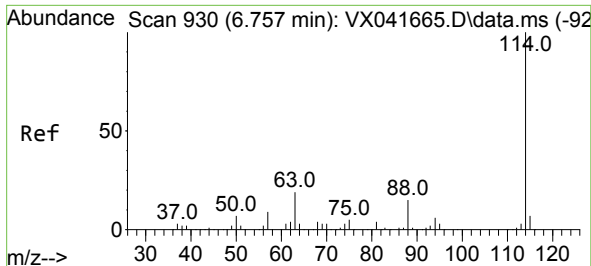
Tgt Ion: 65 Resp: 77634

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.2

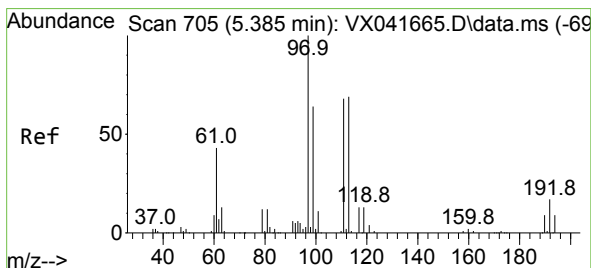
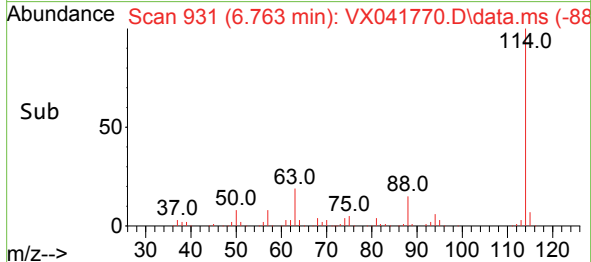
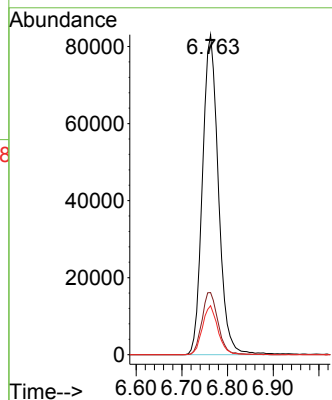
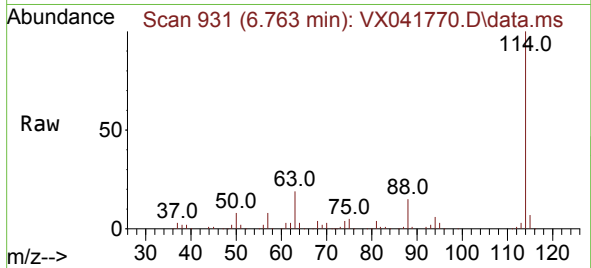




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

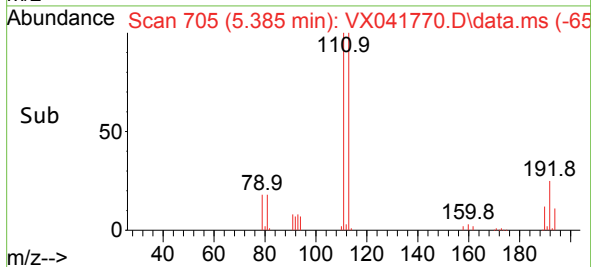
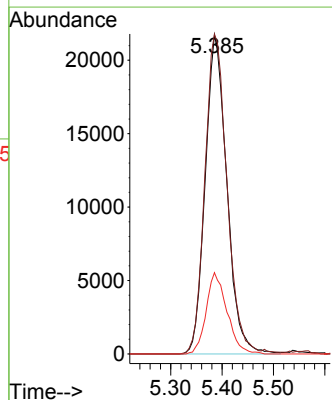
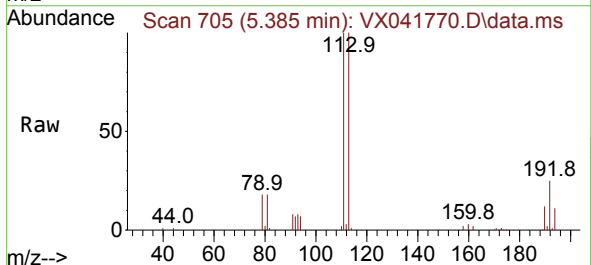
Instrument :
MSVOA_X
ClientSampleId :

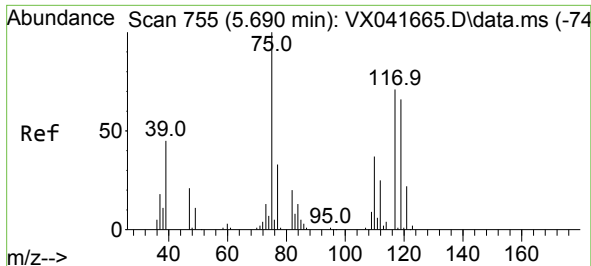
Tgt Ion:114 Resp: 201410
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.536 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

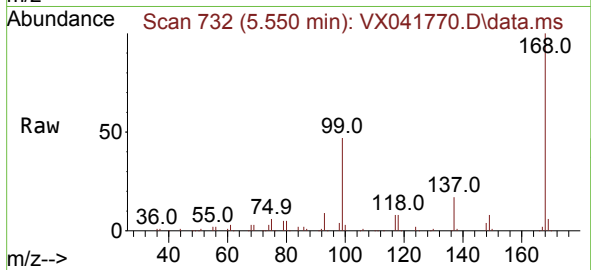
Tgt Ion:113 Resp: 63411
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 24.6 13.3 19.9#



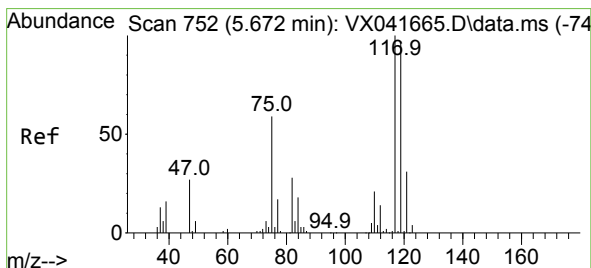
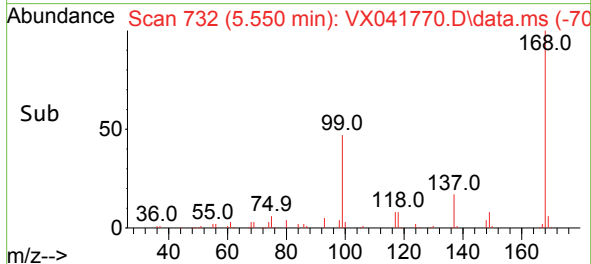
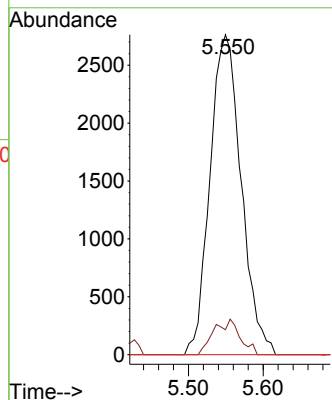


#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

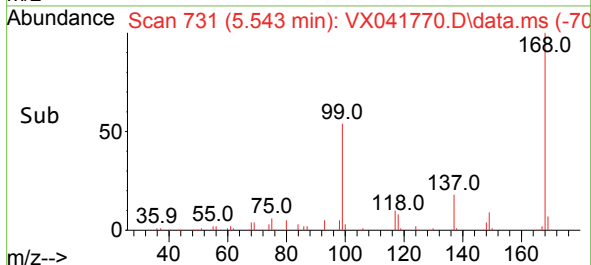
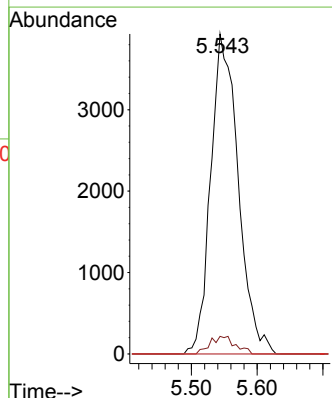
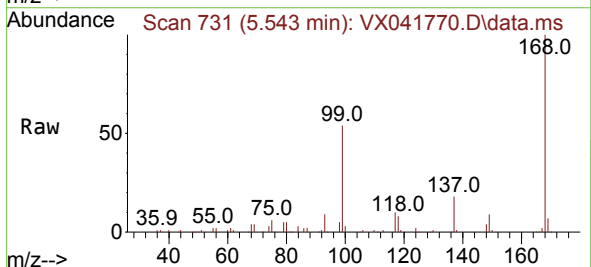


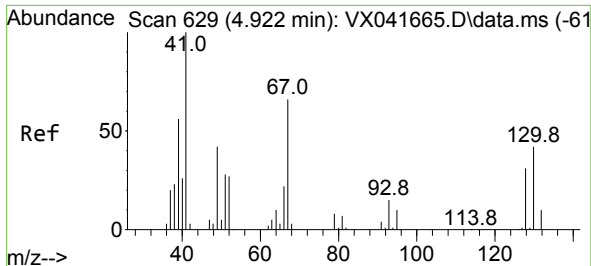
Tgt Ion: 75 Resp: 8015
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion: 117 Resp: 11439
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#

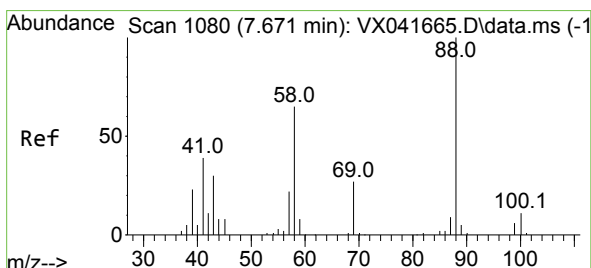
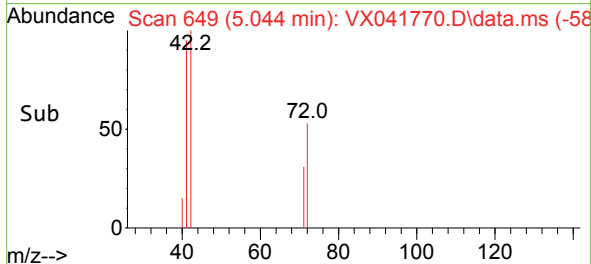
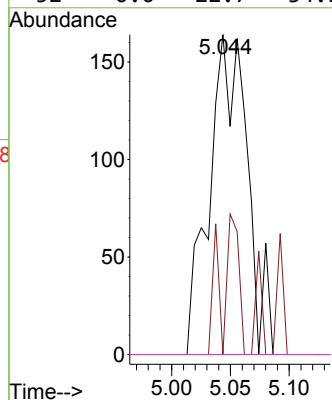
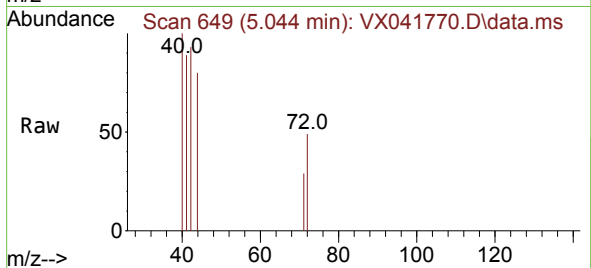




#41
Methacrylonitrile
Concen: 0.356 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

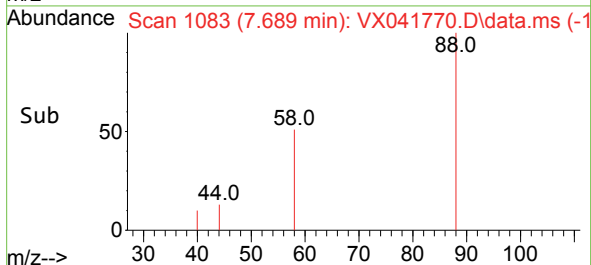
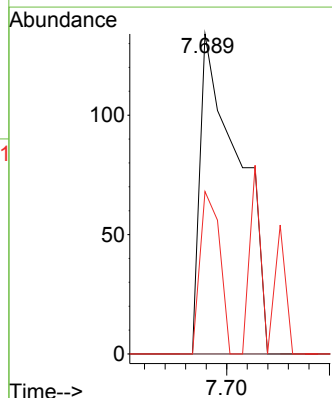
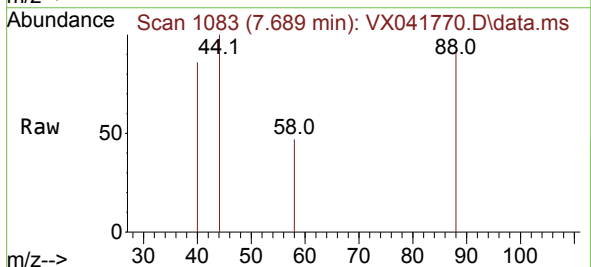
Instrument :
MSVOA_X
ClientSampleId :

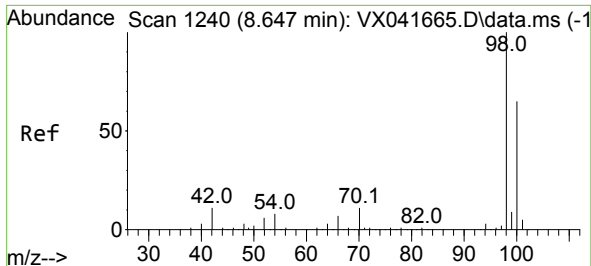
Tgt Ion: 41	Resp:	370
Ion	Ratio	Lower Upper
41	100	
39	20.0	45.2 67.8#
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#49
1,4-Dioxane
Concen: 5.221 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.018 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion: 88	Resp:	176
Ion	Ratio	Lower Upper
88	100	
43	0.0	0.0 0.0
58	25.6	60.1 90.1#

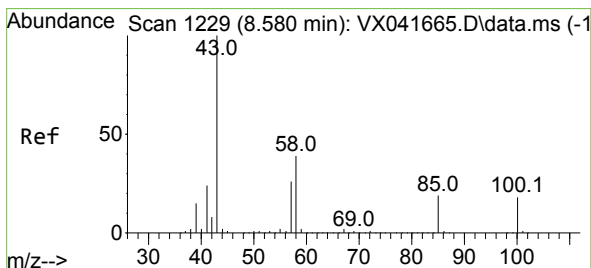
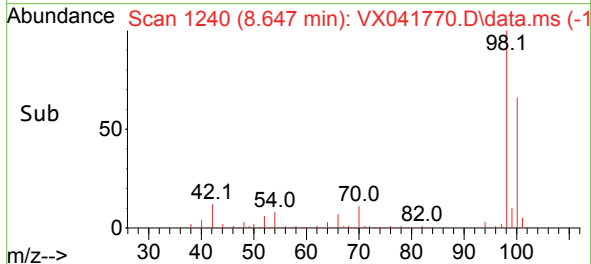
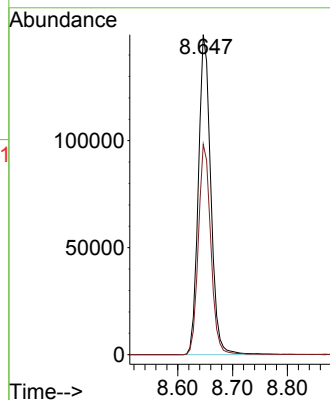
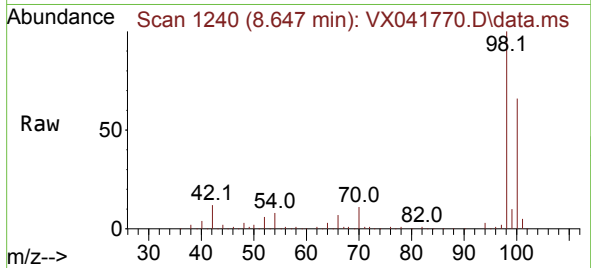




#50
Toluene-d8
Concen: 48.551 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

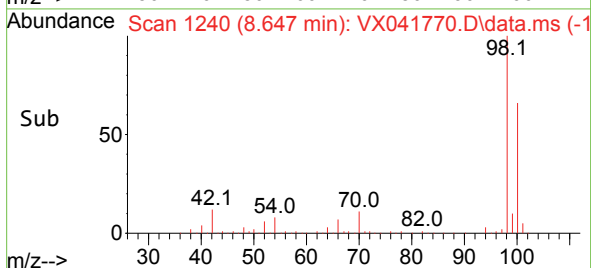
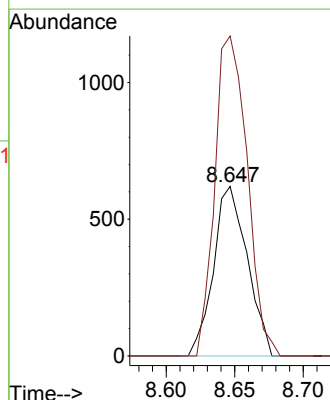
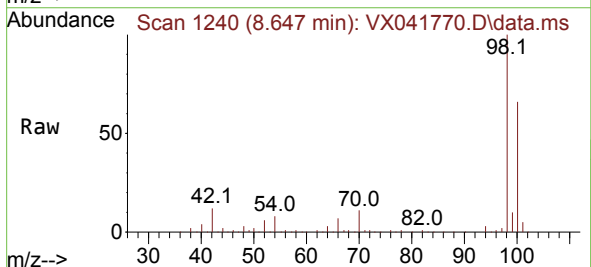
Instrument :
MSVOA_X
ClientSampleId :

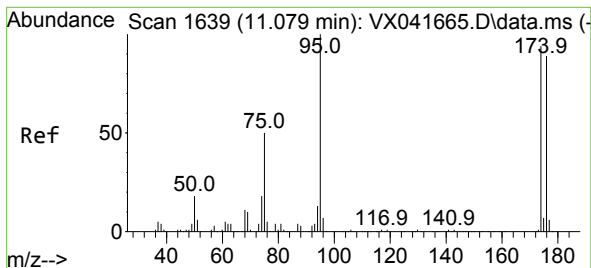
Tgt Ion: 98 Resp: 236234
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.510 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
58 181.0 30.4 45.6#

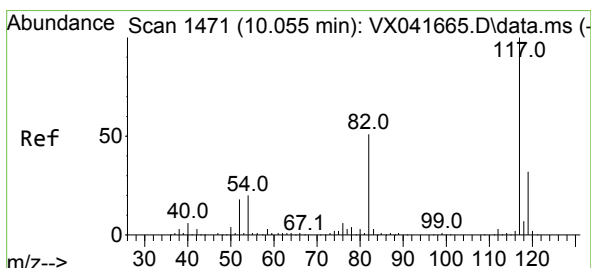
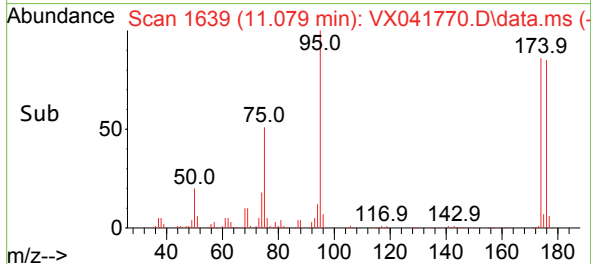
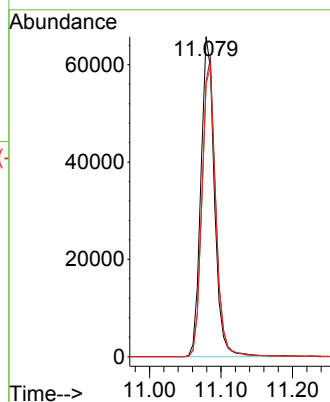
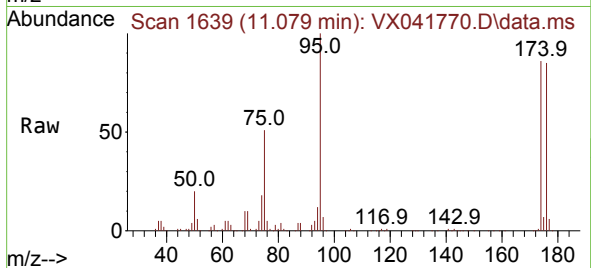




#62
4-Bromofluorobenzene
Concen: 48.106 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

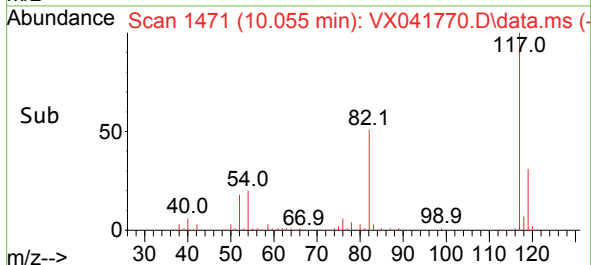
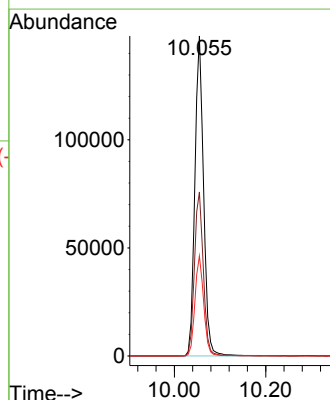
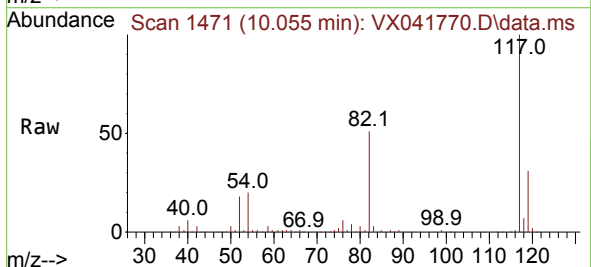
Instrument :
MSVOA_X
ClientSampleId :

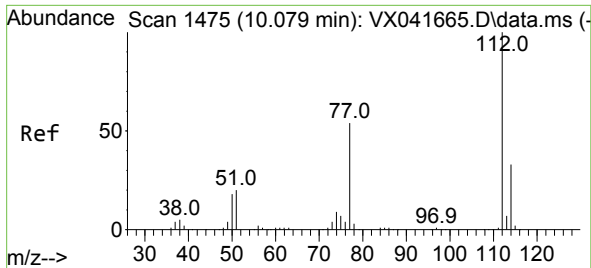
Tgt Ion: 95 Resp: 86391
Ion Ratio Lower Upper
95 100
174 95.0 0.0 135.6
176 92.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

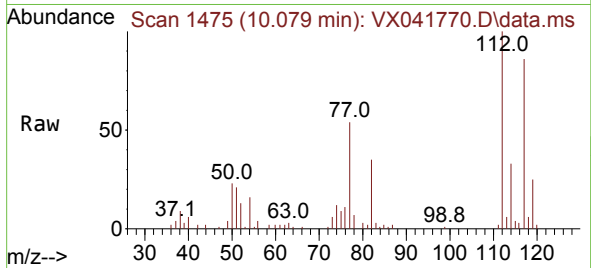
Tgt Ion: 117 Resp: 196491
Ion Ratio Lower Upper
117 100
82 51.3 46.2 69.4
119 31.3 25.5 38.3



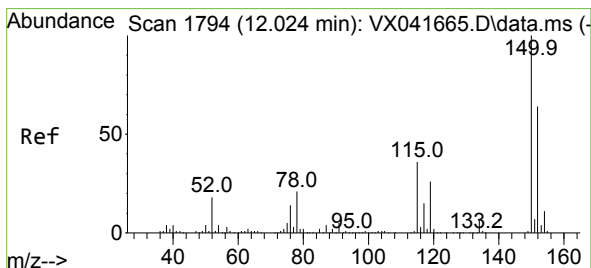
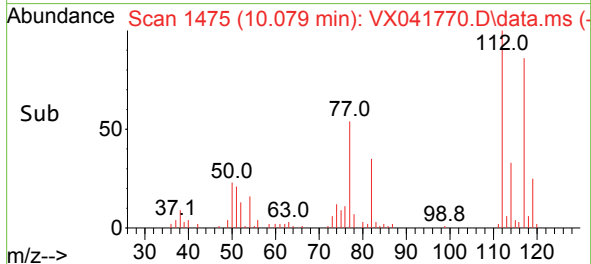
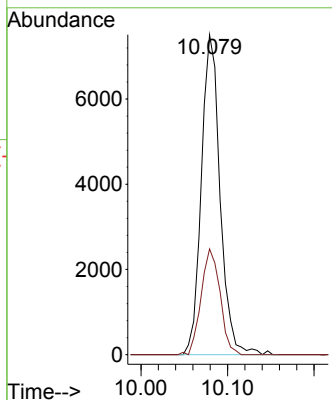


#65
Chlorobenzene
Concen: 2.676 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

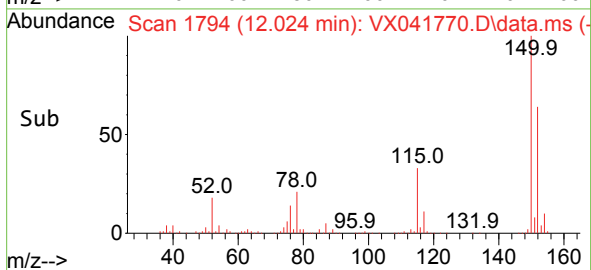
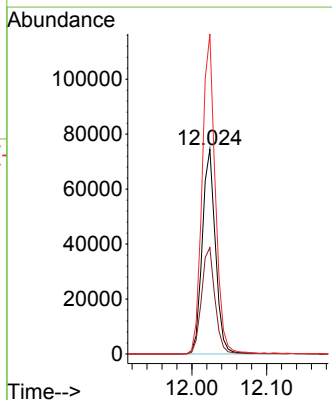
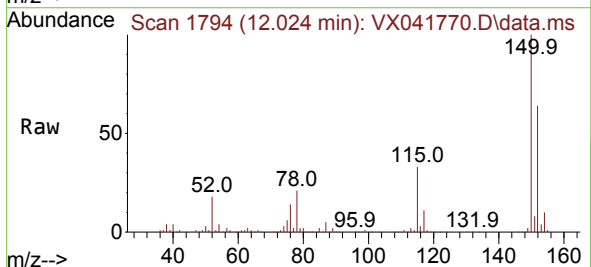


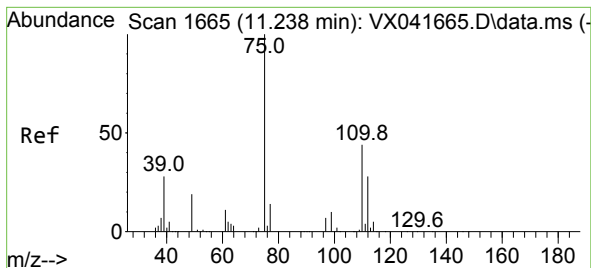
Tgt Ion:112 Resp: 11283
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041770.D
Acq: 06 Jun 2024 12:23

Tgt Ion:152 Resp: 91726
Ion Ratio Lower Upper
152 100
115 53.1 43.3 129.9
150 155.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.282 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041770.D

Acq: 06 Jun 2024 12:23

Instrument :

MSVOA_X

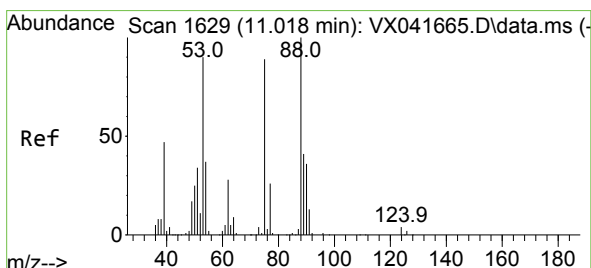
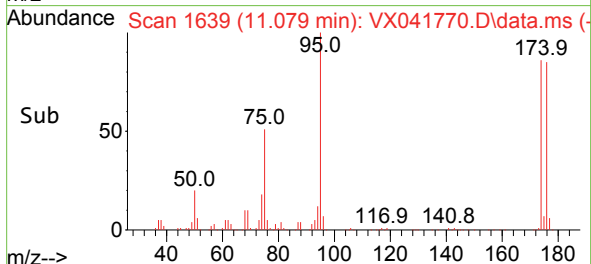
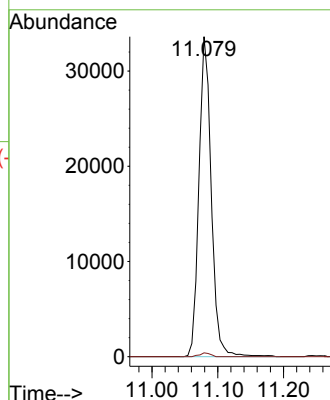
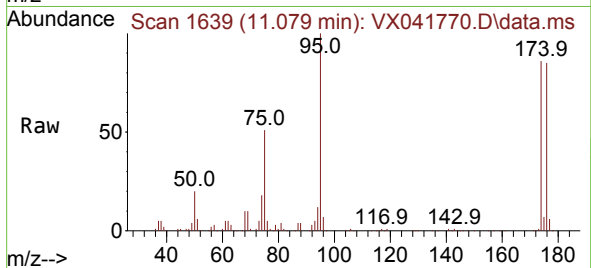
ClientSampleId :

Tgt Ion: 75 Resp: 43663

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.357 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041770.D

Acq: 06 Jun 2024 12:23

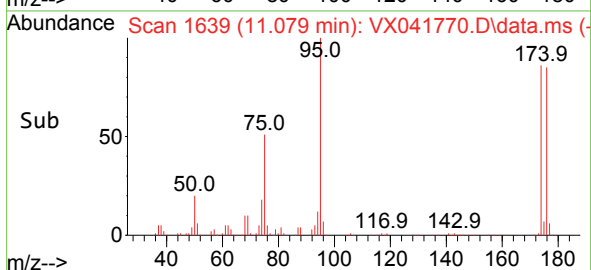
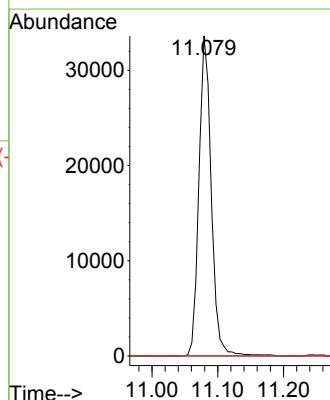
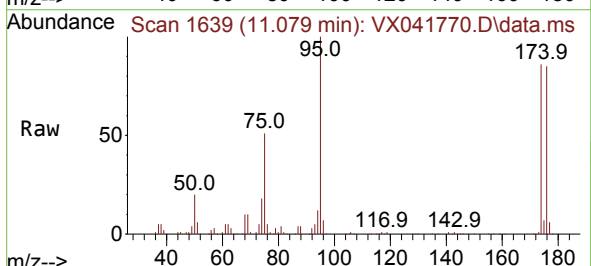
Tgt Ion: 75 Resp: 43663

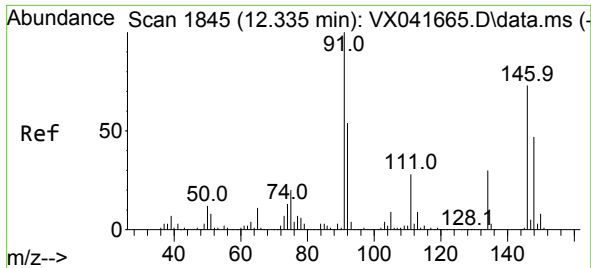
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#91

1,2-Dichlorobenzene

Concen: 0.322 ug/l

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

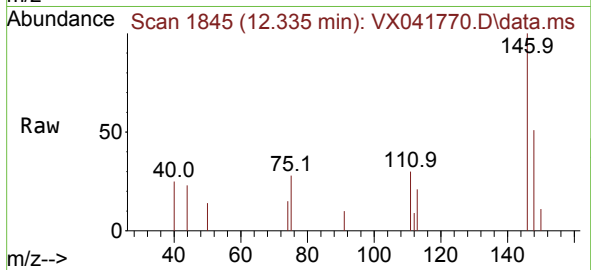
Lab File: VX041770.D

Acq: 06 Jun 2024 12:23

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	146	Resp:	985
Ion	Ratio	Lower	Upper
146	100		
111	32.7	22.4	67.0
148	60.7	31.6	95.0

