

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062524\
 Data File : VX042031.D
 Acq On : 25 Jun 2024 14:46
 Operator : JC/MD
 Sample : P3054-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 05:38:49 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)

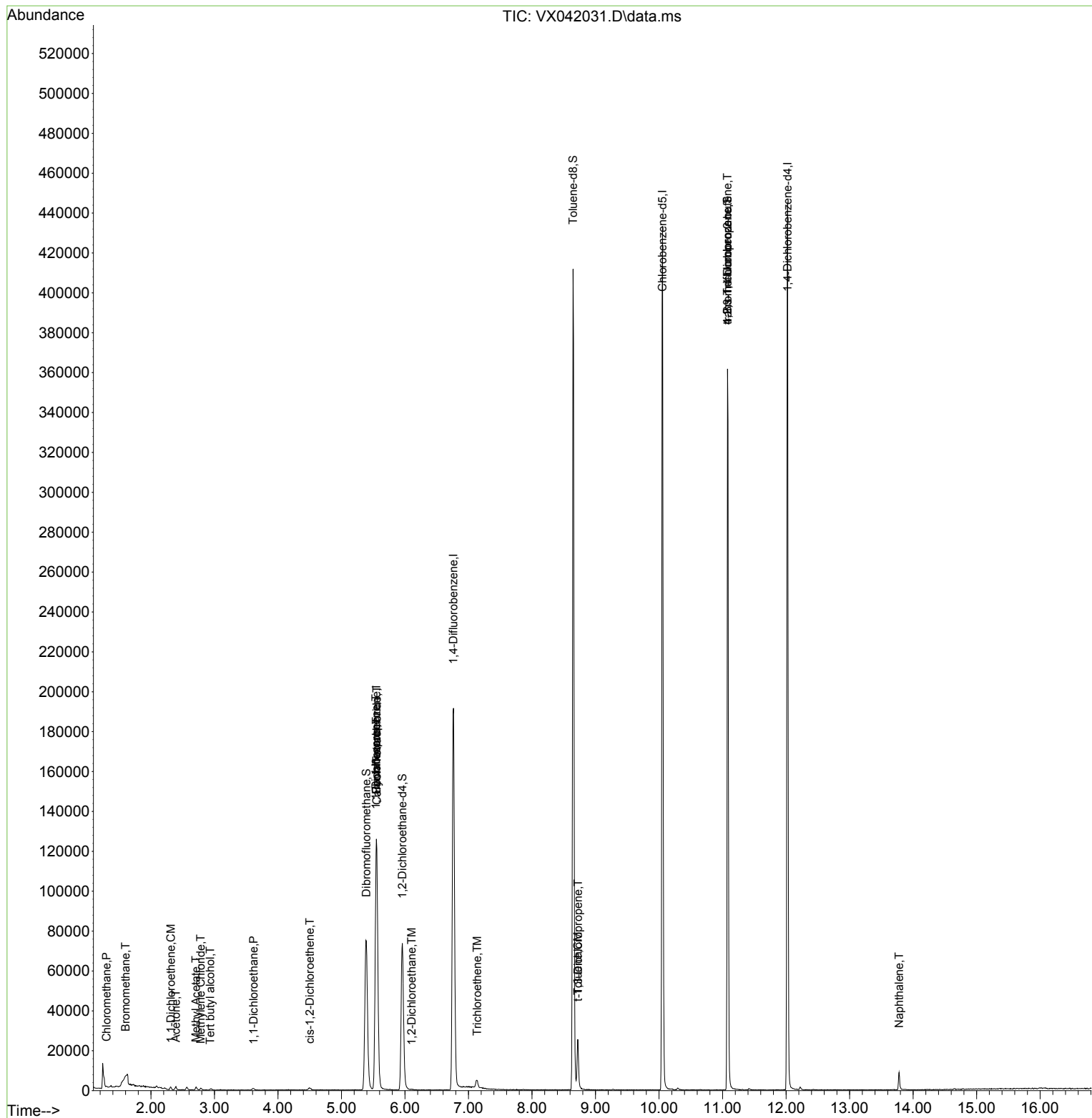
Internal Standards						
1) Pentafluorobenzene	5.550	168	140074	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	215022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70683	43.760	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.520%
35) Dibromofluoromethane	5.391	113	67738	44.398	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.800%
50) Toluene-d8	8.647	98	255045	47.584	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.160%
62) 4-Bromofluorobenzene	11.079	95	96542	48.863	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.720%
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	650	0.486	ug/l	92
5) Bromomethane	1.599	94	154	0.232	ug/l	# 3
6) Chloroethane	1.660	64	483	Below Cal		97
11) Tert butyl alcohol	2.934	59	369	1.204	ug/l	# 78
12) 1,1-Dichloroethene	2.312	96	491	0.406	ug/l	94
16) Acetone	2.392	43	1638	2.309	ug/l	91
18) Methyl Acetate	2.709	43	1903	0.984	ug/l	100
20) Methylene Chloride	2.782	84	522	0.336	ug/l	# 81
24) 1,1-Dichloroethane	3.617	63	1338	0.590	ug/l	# 83
27) cis-1,2-Dichloroethene	4.501	96	792	0.516	ug/l	81
31) Cyclohexane	5.550	56	1928	1.021	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8036	4.960	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	11776	6.579	ug/l	# 15
42) 1,2-Dichloroethane	6.104	62	374	0.212	ug/l	# 77
44) Trichloroethene	7.135	130	1841	1.257	ug/l	80
52) Toluene	8.720	92	10295	2.959	ug/l	96
53) t-1,3-Dichloropropene	8.726	75	73	0.930	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	43921	22.332	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43921	63.420	ug/l	# 5
95) Naphthalene	13.780	128	7542	1.704	ug/l	# 95

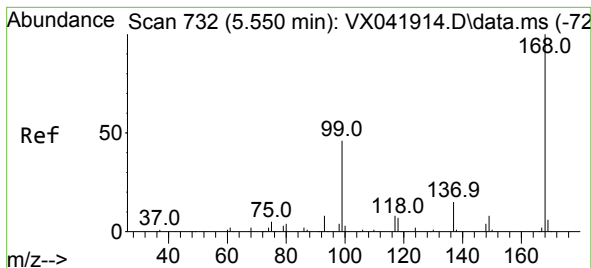
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX042031.D

Acq: 25 Jun 2024 14:46

Instrument :

MSVOA_X

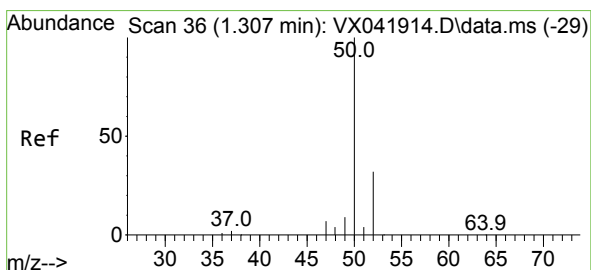
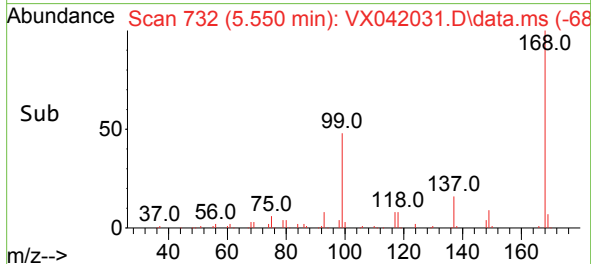
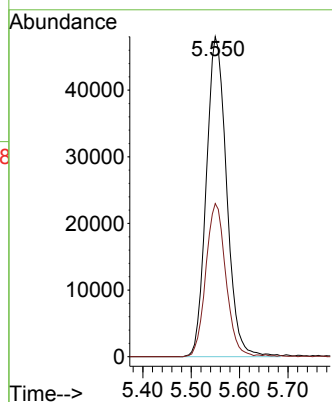
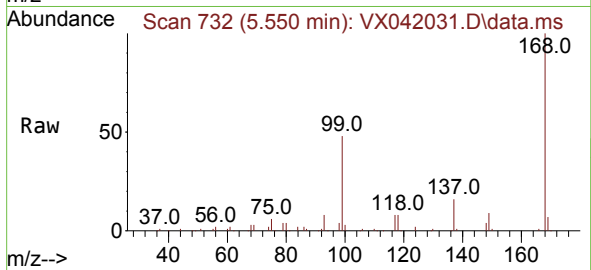
ClientSampleId :

Tgt Ion:168 Resp: 140074

Ion Ratio Lower Upper

168 100

99 47.9 56.6 85.0#



#3

Chloromethane

Concen: 0.486 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.006 min

Lab File: VX042031.D

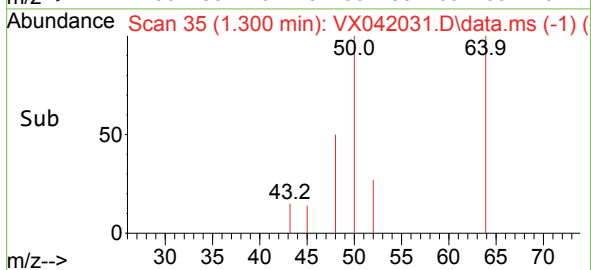
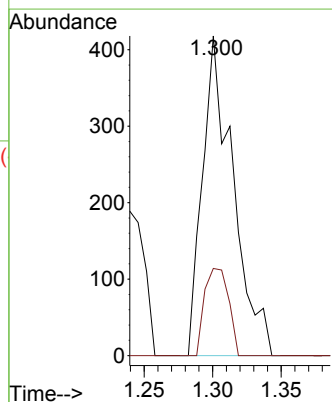
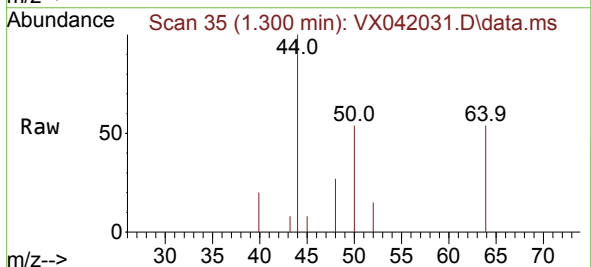
Acq: 25 Jun 2024 14:46

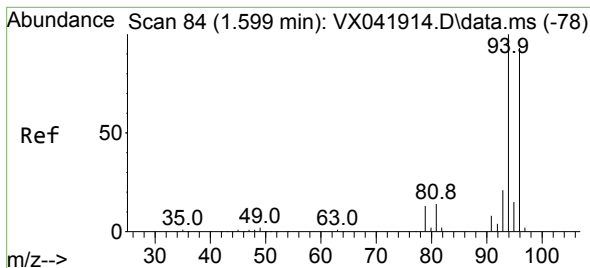
Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

50 100

52 27.3 25.5 38.3





#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX042031.D

Acq: 25 Jun 2024 14:46

Instrument :

MSVOA_X

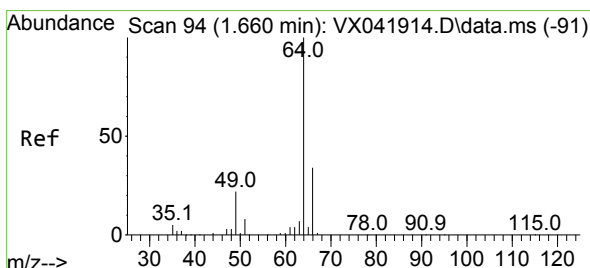
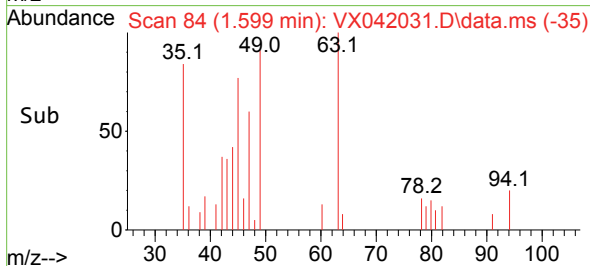
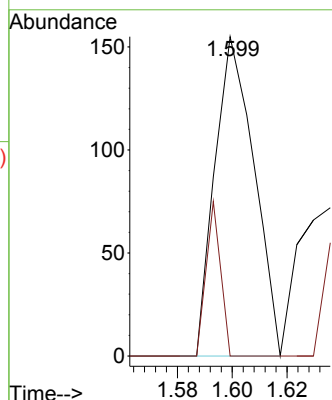
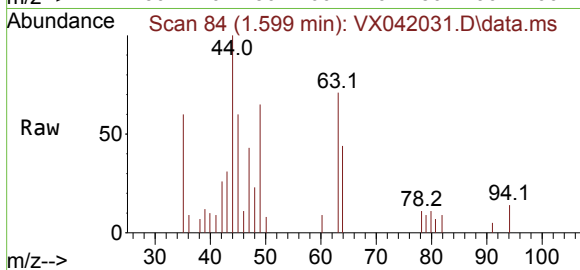
ClientSampleId :

Tgt Ion: 94 Resp: 154

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX042031.D

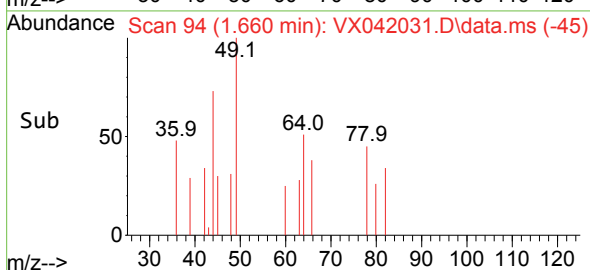
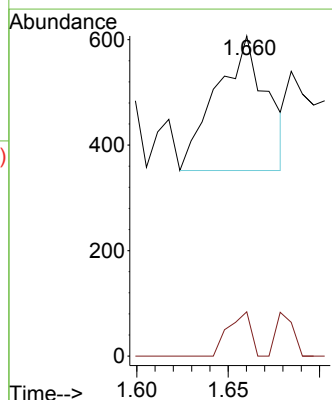
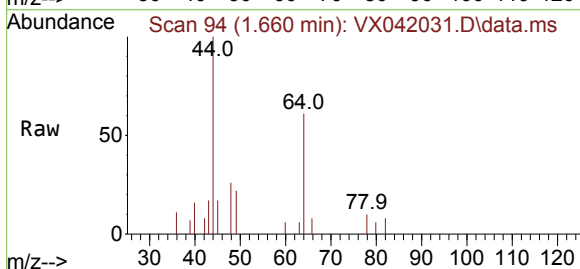
Acq: 25 Jun 2024 14:46

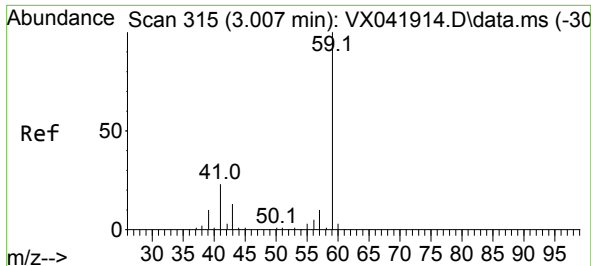
Tgt Ion: 64 Resp: 483

Ion Ratio Lower Upper

64 100

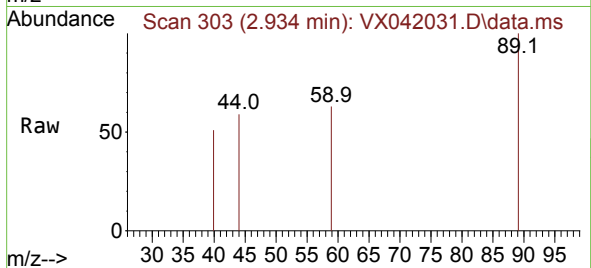
66 32.9 25.1 37.7



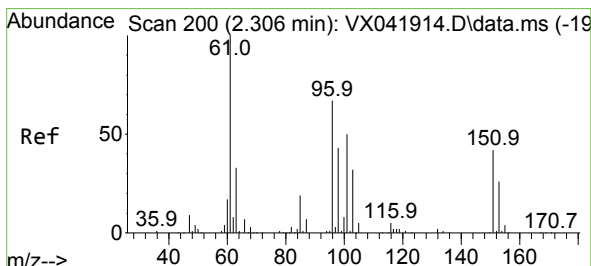
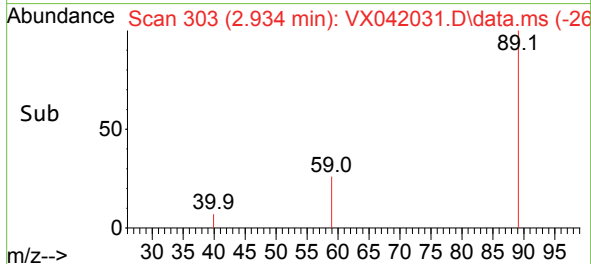
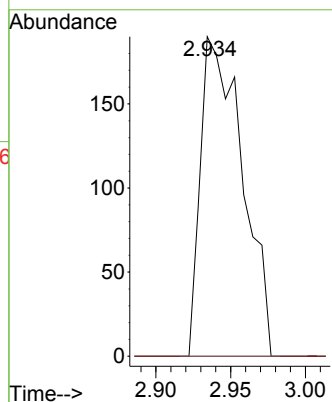


#11
Tert butyl alcohol
Concen: 1.204 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.073 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :

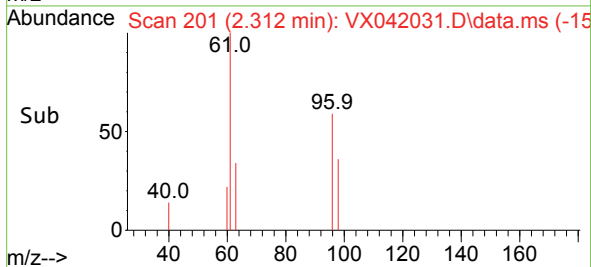
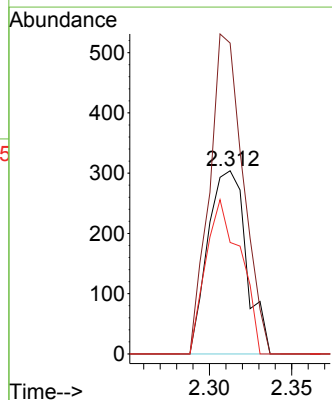
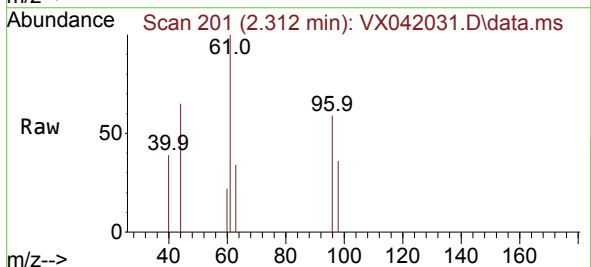


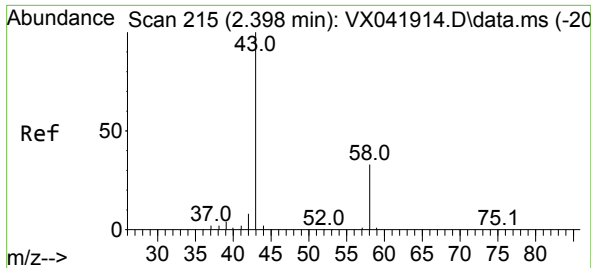
Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.406 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

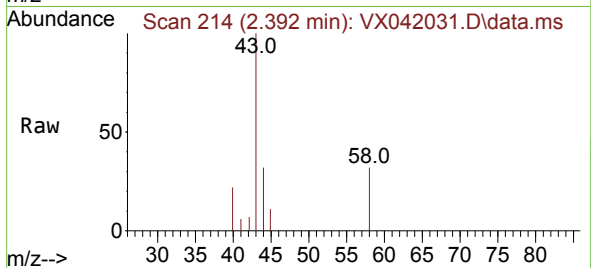
Tgt Ion: 96 Resp: 491
Ion Ratio Lower Upper
96 100
61 169.7 144.6 216.8
98 60.9 50.4 75.6



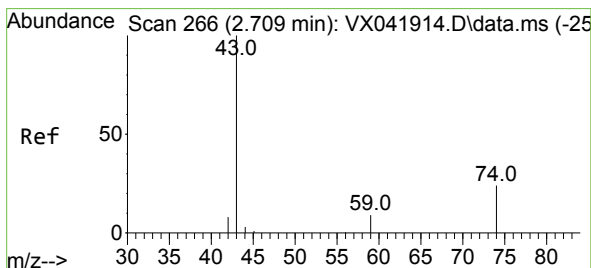
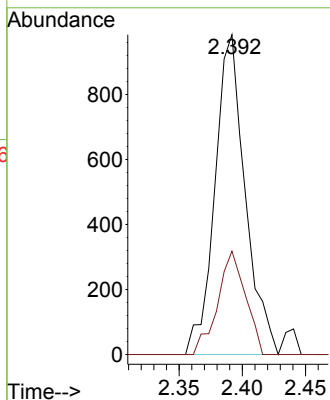
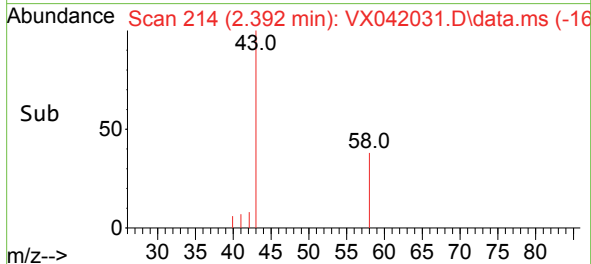


#16
Acetone
Concen: 2.309 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :

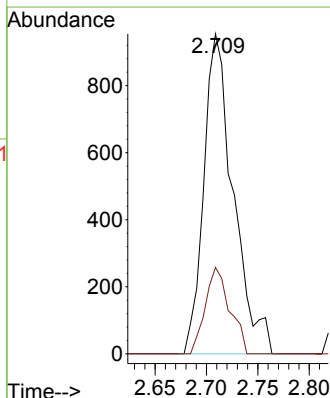
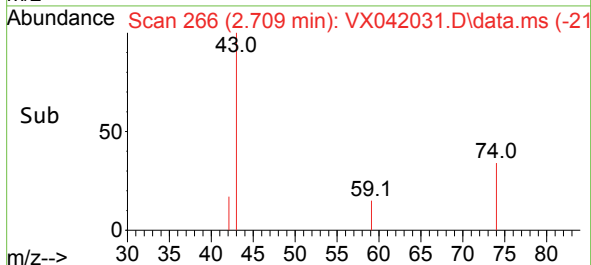
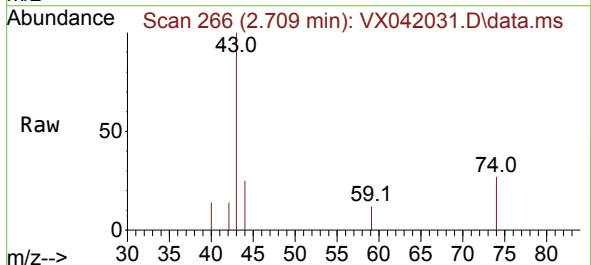


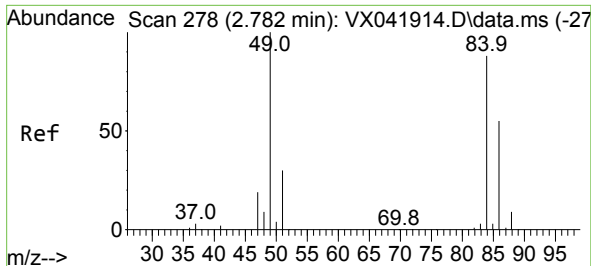
Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.984 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

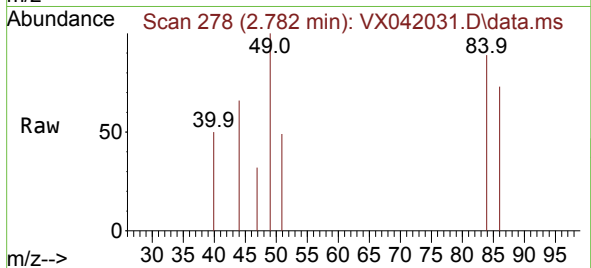
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8





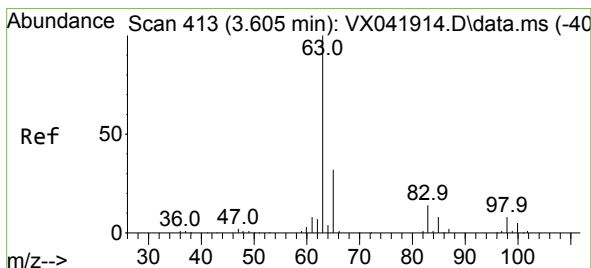
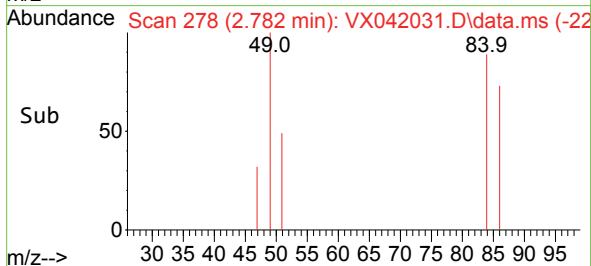
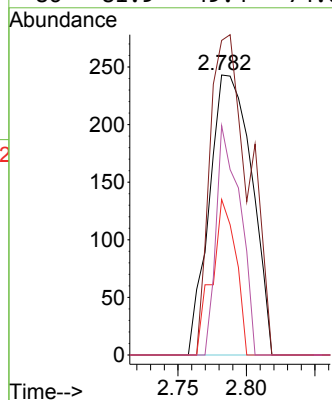
#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 522

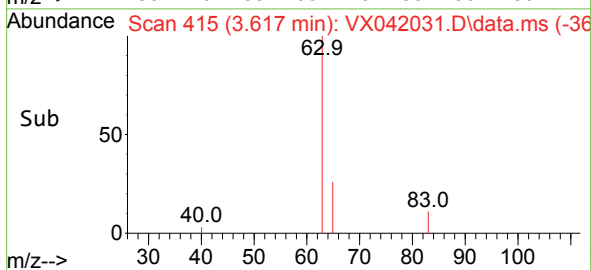
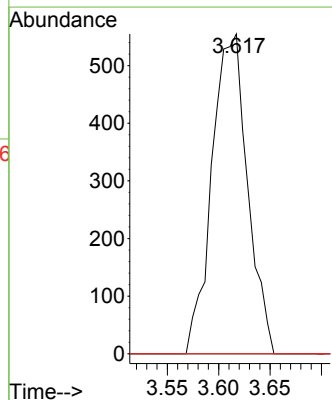
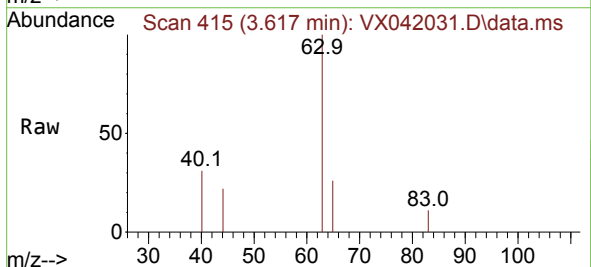
Ion	Ratio	Lower	Upper
84	100		
49	112.3	103.6	155.4
51	55.6	33.8	50.6#
86	81.9	49.4	74.0#

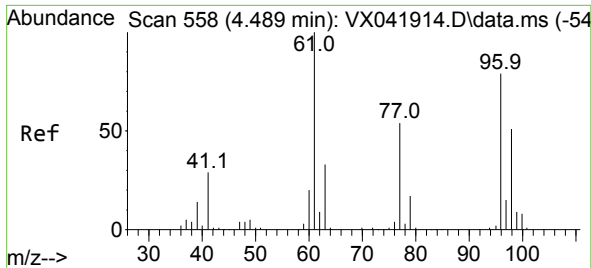


#24
1,1-Dichloroethane
Concen: 0.590 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Tgt Ion: 63 Resp: 1338

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#

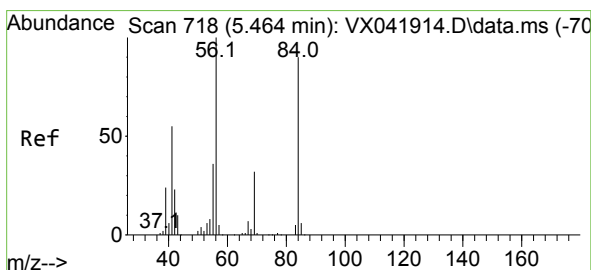
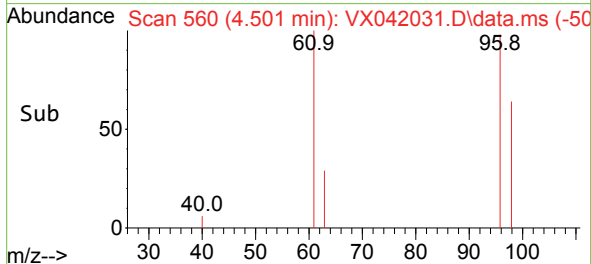
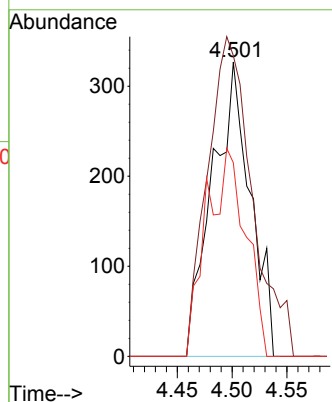
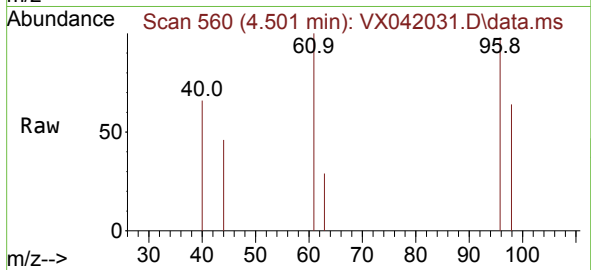




#27
 cis-1,2-Dichloroethene
 Concen: 0.516 ug/l
 RT: 4.501 min Scan# 501
 Delta R.T. 0.012 min
 Lab File: VX042031.D
 Acq: 25 Jun 2024 14:46

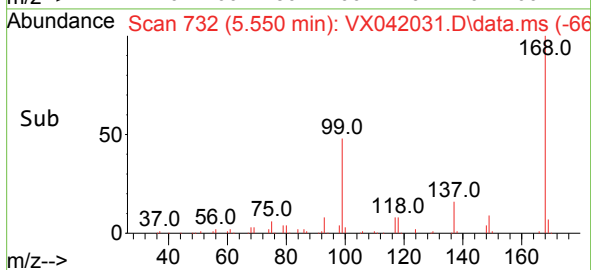
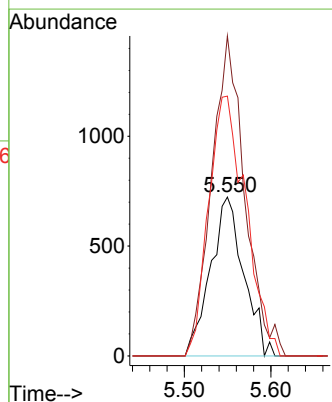
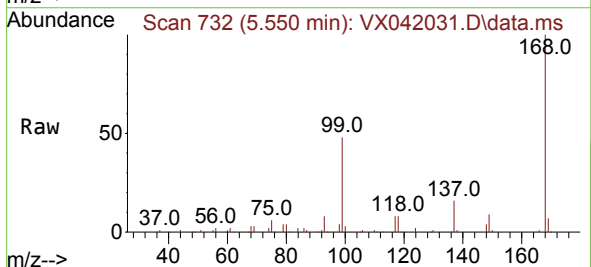
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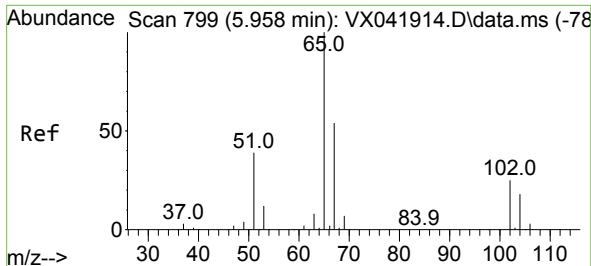
Tgt Ion: 96 Resp: 792
 Ion Ratio Lower Upper
 96 100
 61 127.3 0.0 312.2
 98 73.0 0.0 129.0



#31
 Cyclohexane
 Concen: 1.021 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.085 min
 Lab File: VX042031.D
 Acq: 25 Jun 2024 14:46

Tgt Ion: 56 Resp: 1928
 Ion Ratio Lower Upper
 56 100
 69 201.5 23.4 35.2#
 84 163.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.760 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042031.D

Acq: 25 Jun 2024 14:46

Instrument :

MSVOA_X

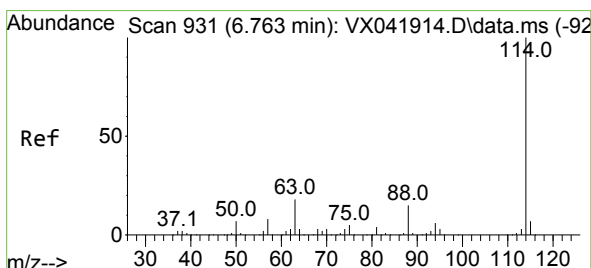
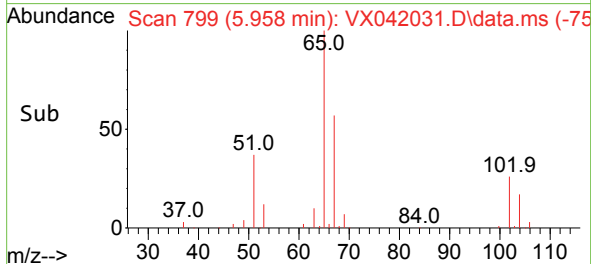
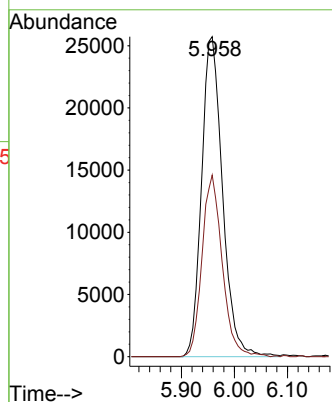
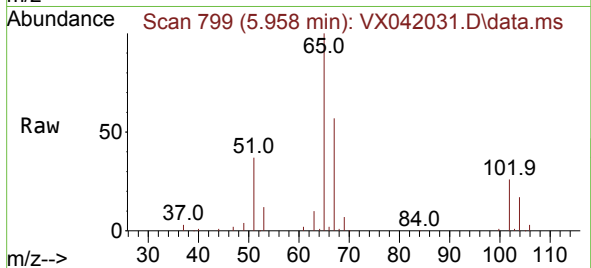
ClientSampleId :

Tgt Ion: 65 Resp: 70683

Ion Ratio Lower Upper

65 100

67 54.7 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: VX042031.D

Acq: 25 Jun 2024 14:46

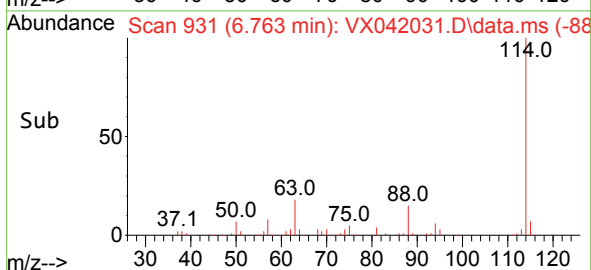
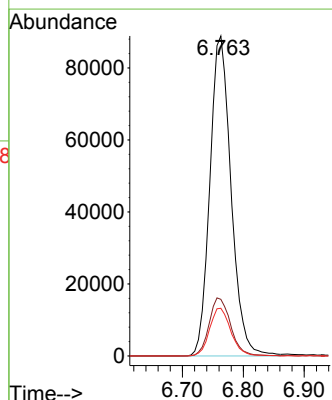
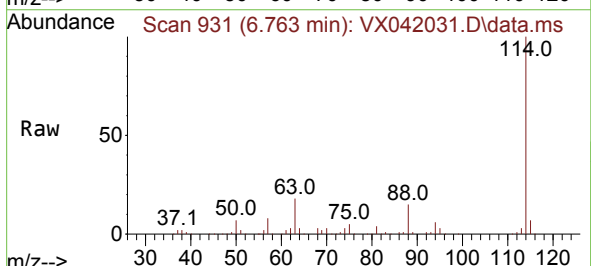
Tgt Ion:114 Resp: 215022

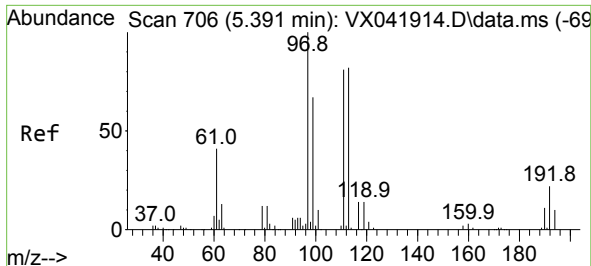
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

88 14.9 0.0 36.6

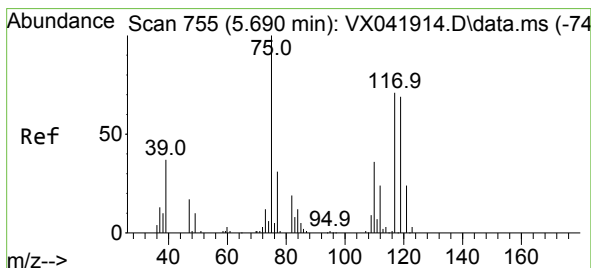
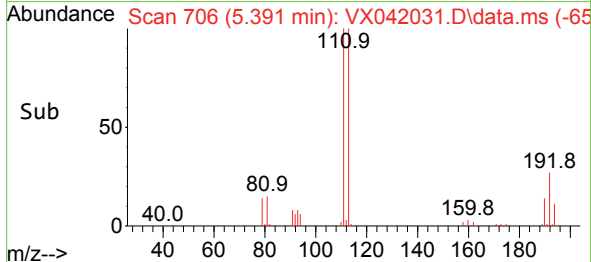
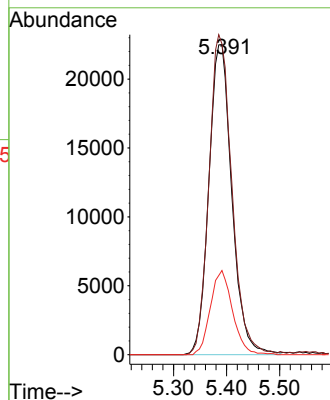
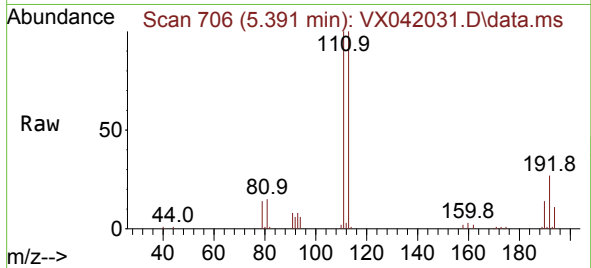




#35
Dibromofluoromethane
Concen: 44.398 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

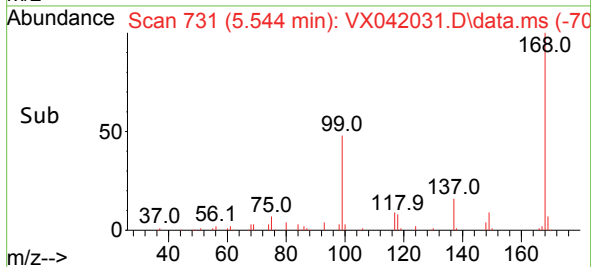
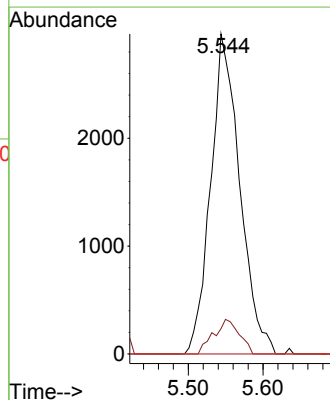
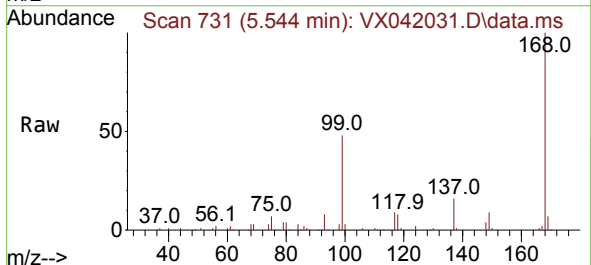
Instrument :
MSVOA_X
ClientSampleId :

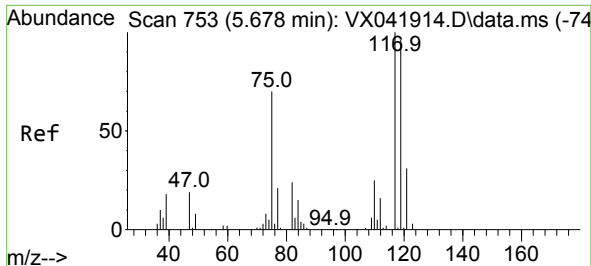
Tgt Ion:113 Resp: 67738
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 26.2 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

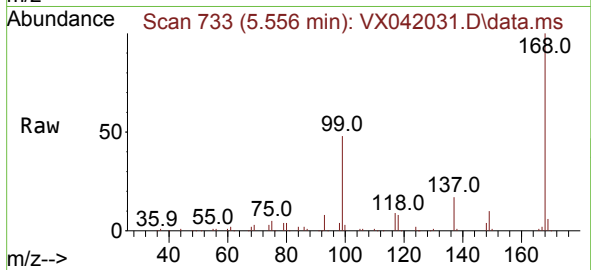
Tgt Ion: 75 Resp: 8036
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



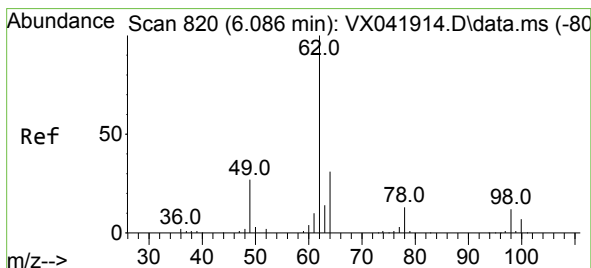
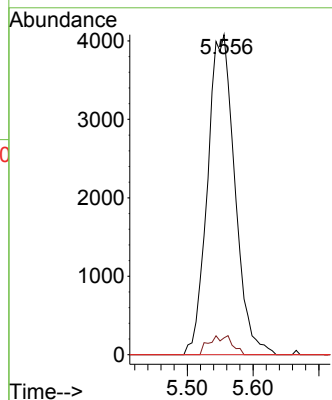
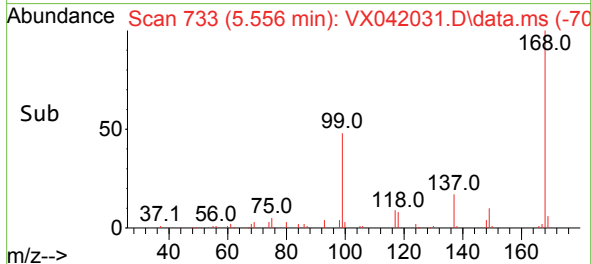


#38
Carbon Tetrachloride
Concen: 6.579 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :

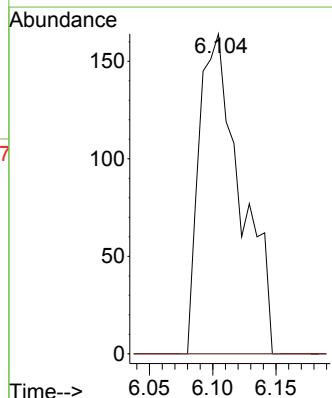
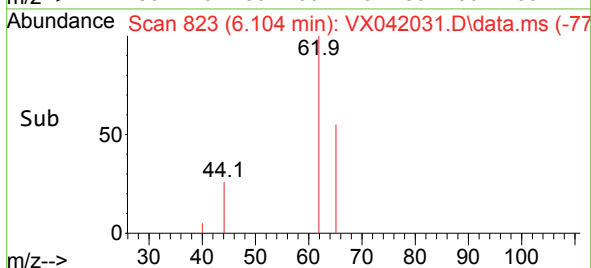
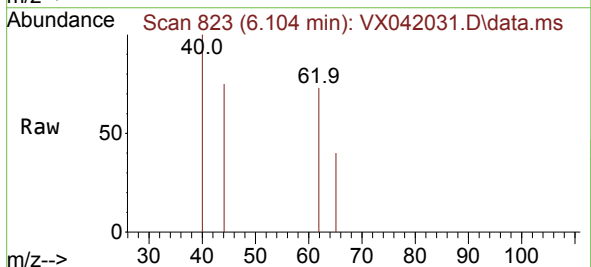


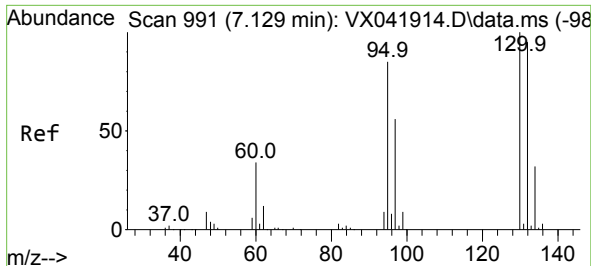
Tgt Ion:117 Resp: 11776
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.212 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Tgt Ion: 62 Resp: 374
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

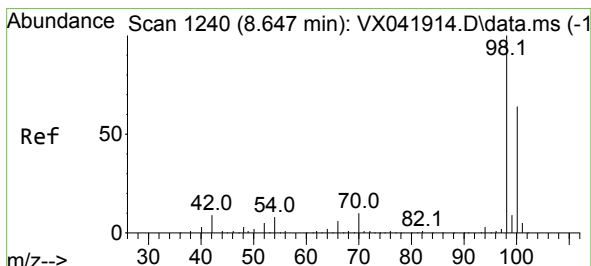
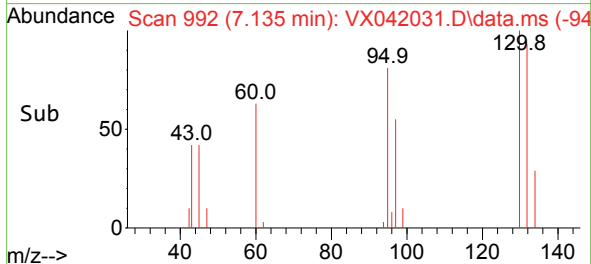
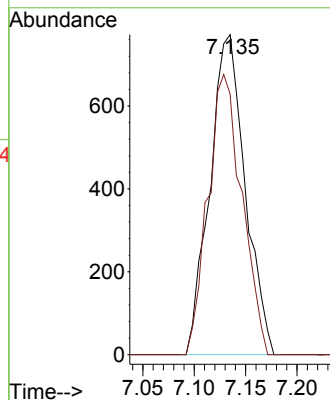
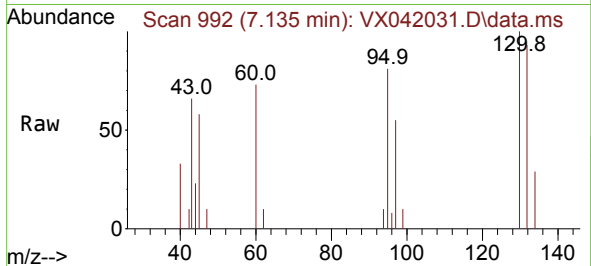




#44
Trichloroethene
Concen: 1.257 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

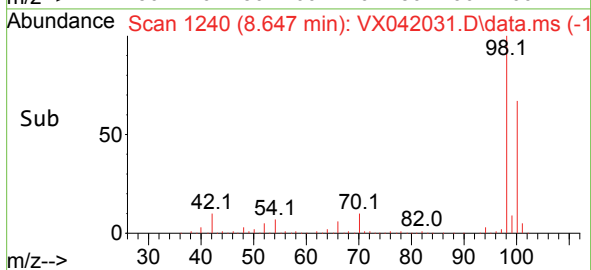
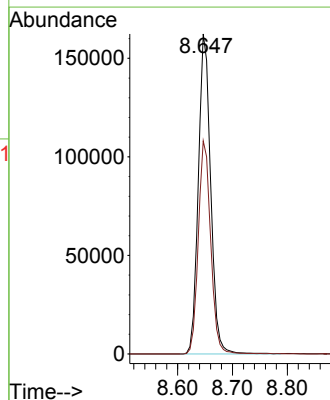
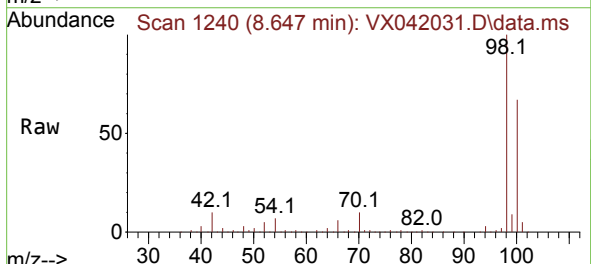
Instrument :
MSVOA_X
ClientSampleId :

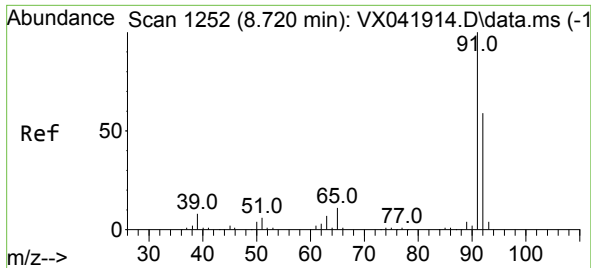
Tgt Ion:130 Resp: 1841
Ion Ratio Lower Upper
130 100
95 81.5 0.0 204.4



#50
Toluene-d8
Concen: 47.584 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Tgt Ion: 98 Resp: 255045
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

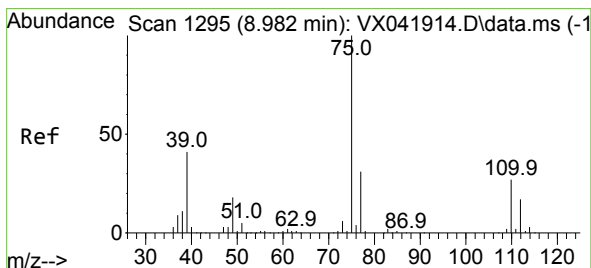
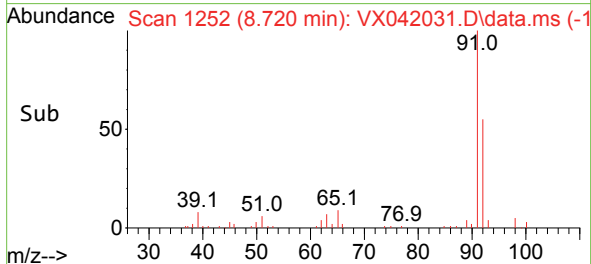
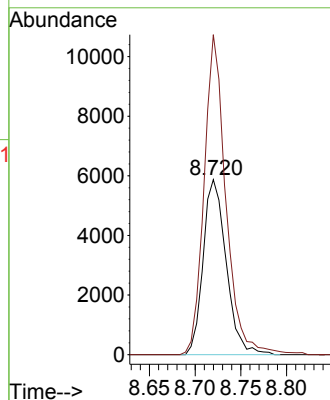
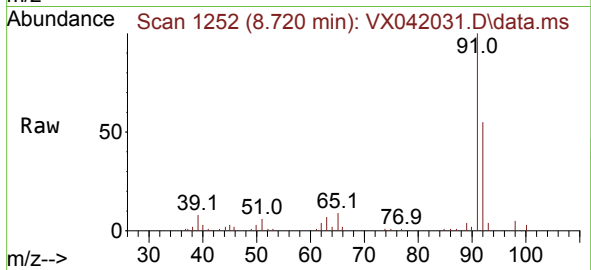




#52
Toluene
Concen: 2.959 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

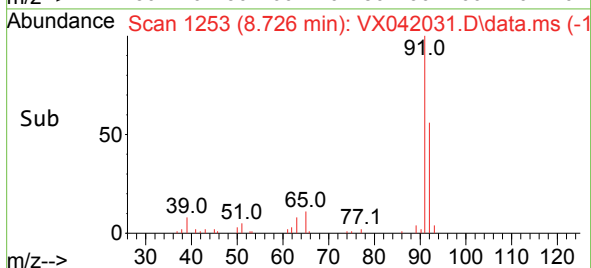
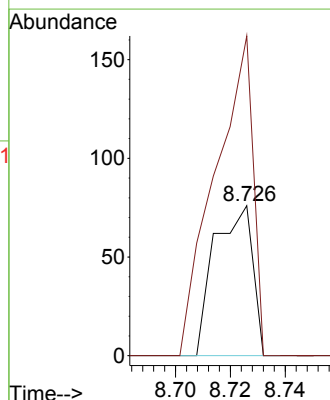
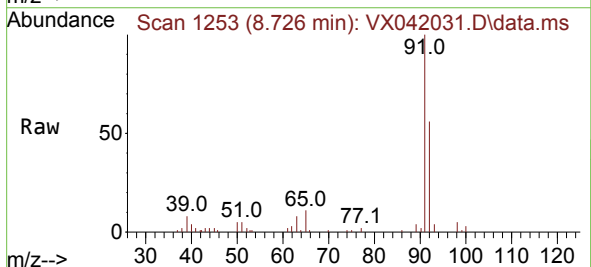
Instrument :
MSVOA_X
ClientSampleId :

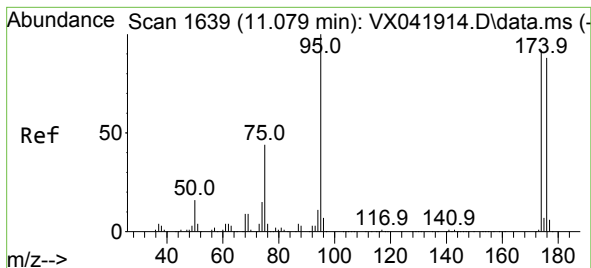
Tgt Ion: 92 Resp: 10295
Ion Ratio Lower Upper
92 100
91 173.1 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.930 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.256 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Tgt Ion: 75 Resp: 73
Ion Ratio Lower Upper
75 100
77 213.2 25.7 38.5#

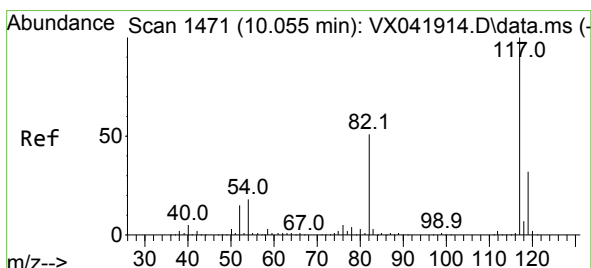
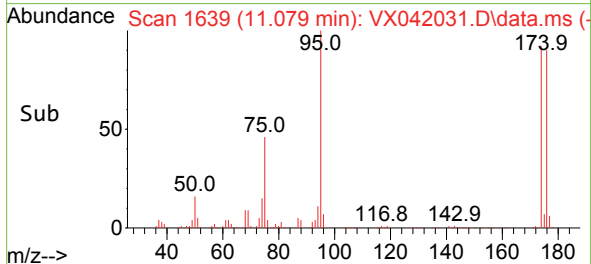
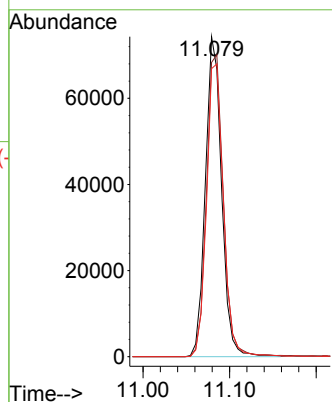
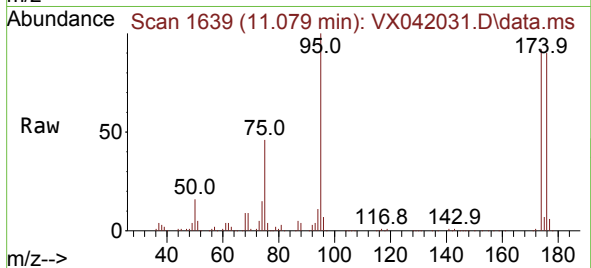




#62
4-Bromofluorobenzene
Concen: 48.863 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

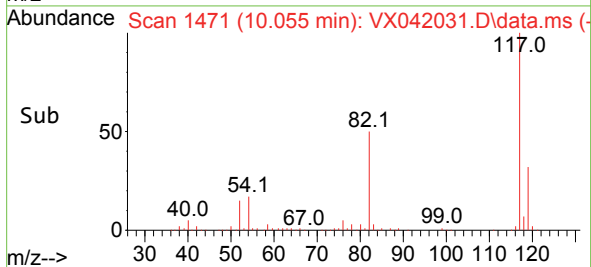
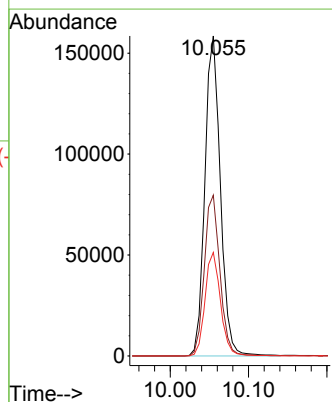
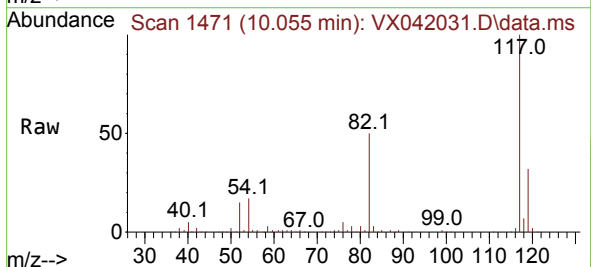
Instrument :
MSVOA_X
ClientSampleId :

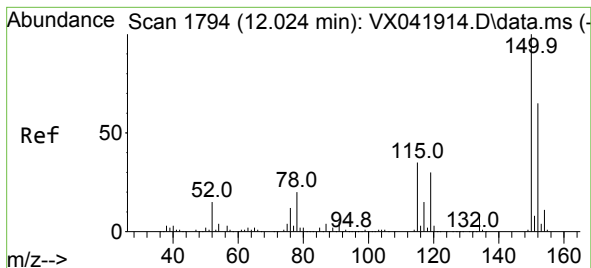
Tgt Ion: 95 Resp: 96542
Ion Ratio Lower Upper
95 100
174 98.8 0.0 135.6
176 95.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Tgt Ion: 117 Resp: 217469
Ion Ratio Lower Upper
117 100
82 50.3 46.2 69.4
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042031.D

Acq: 25 Jun 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

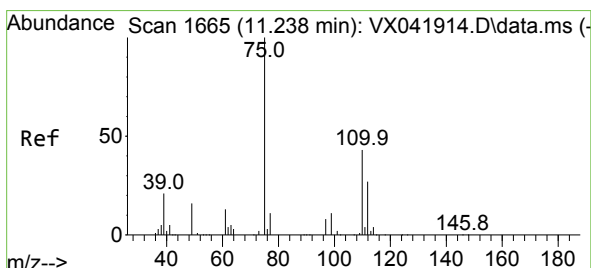
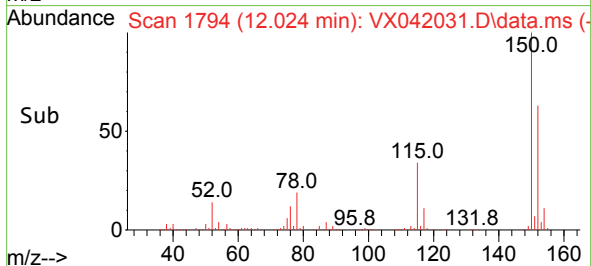
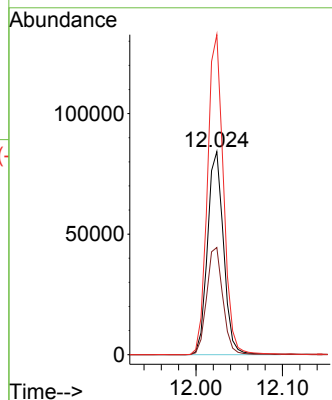
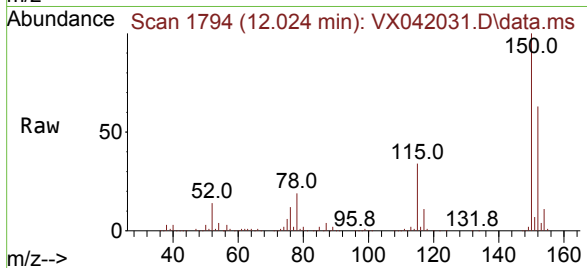
Tgt Ion:152 Resp: 108337

Ion Ratio Lower Upper

152 100

115 53.6 43.3 129.9

150 157.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.332 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042031.D

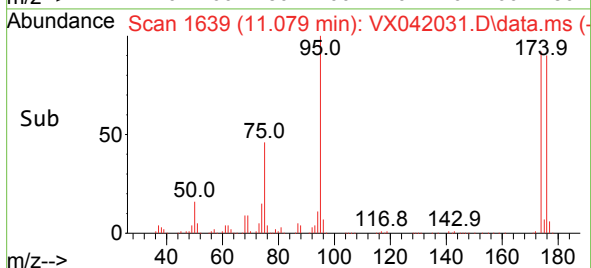
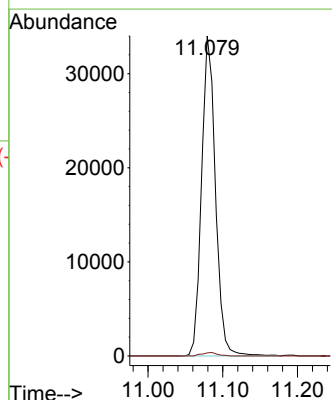
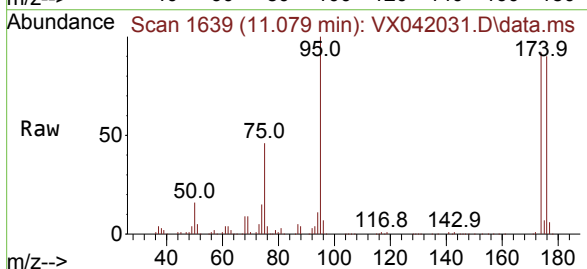
Acq: 25 Jun 2024 14:46

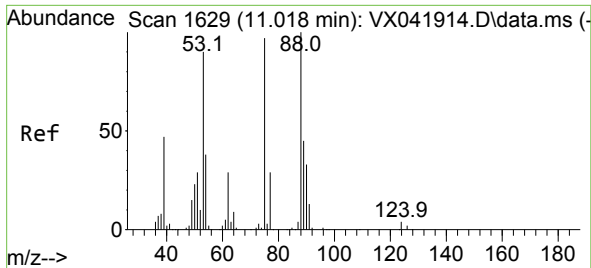
Tgt Ion: 75 Resp: 43921

Ion Ratio Lower Upper

75 100

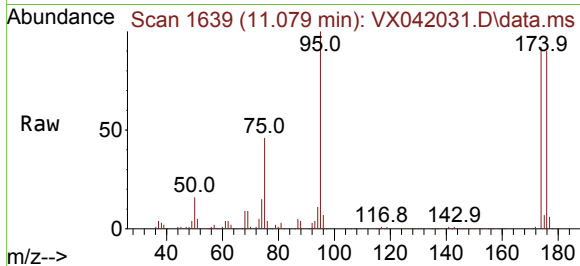
77 1.2 19.1 57.5#



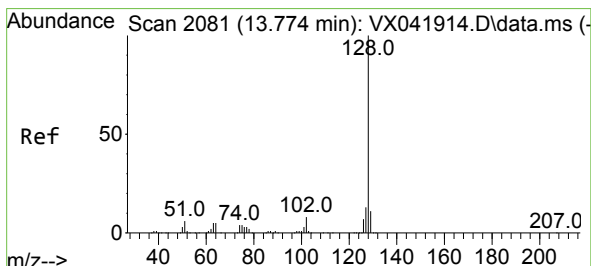
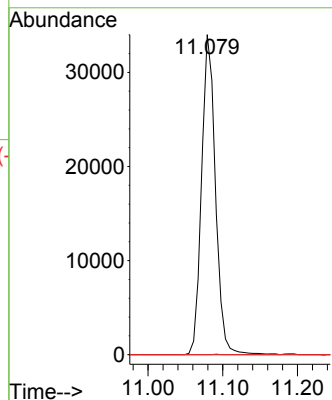
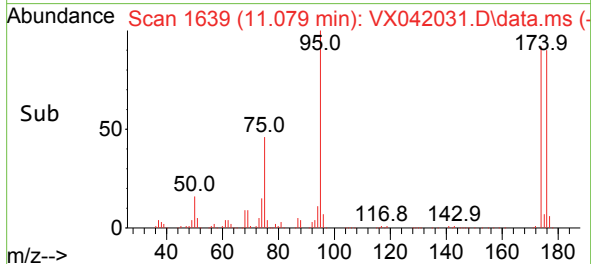


#81
trans-1,4-Dichloro-2-butene
Concen: 63.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 43921
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.704 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042031.D
Acq: 25 Jun 2024 14:46

Tgt Ion: 128 Resp: 7542
Ion Ratio Lower Upper
128 100
127 11.2 10.3 15.5
129 8.6 8.8 13.2#

