

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
 Data File : VX042346.D
 Acq On : 16 Jul 2024 16:41
 Operator : JC/MD
 Sample : PB162077ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 05:39:43 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)

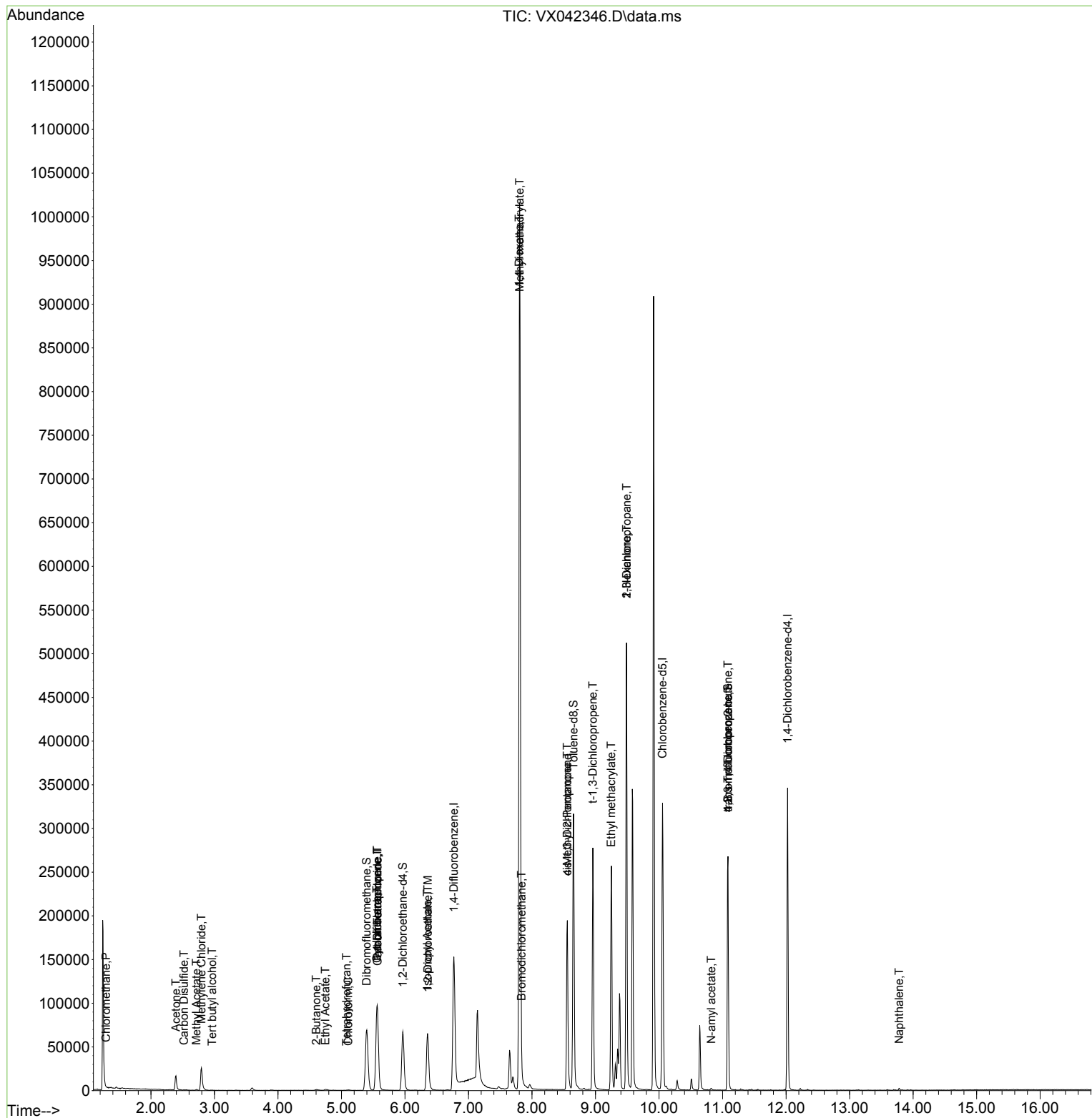
Internal Standards						
1) Pentafluorobenzene	5.562	168	109553	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.769	114	173286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	63539	50.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.600%			
35) Dibromofluoromethane	5.397	113	61664	50.152	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	8.653	98	194070	44.929	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.860%#			
62) 4-Bromofluorobenzene	11.085	95	70609	44.345	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.680%			
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	256	0.244	ug/l	# 43
6) Chloroethane	1.721	64	188	Below Cal		# 43
11) Tert butyl alcohol	2.965	59	377	1.572	ug/l	# 78
16) Acetone	2.392	43	18671	33.659	ug/l	# 88
17) Carbon Disulfide	2.520	76	421	0.219	ug/l	# 76
18) Methyl Acetate	2.715	43	1354	0.895	ug/l	# 96
20) Methylene Chloride	2.794	84	14392	11.849	ug/l	# 82
25) 2-Butanone	4.605	43	1515	1.756	ug/l	# 88
29) Tetrahydrofuran	5.080	42	170	0.305	ug/l	# 34
30) Chloroform	5.105	83	819	0.443	ug/l	# 91
31) Cyclohexane	5.556	56	1464	0.991	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	6097	4.670	ug/l	# 47
37) Ethyl Acetate	4.745	43	2864	1.684	ug/l	# 84
38) Carbon Tetrachloride	5.568	117	9115	6.318	ug/l	# 14
42) 1,2-Dichloroethane	6.361	62	388	0.274	ug/l	# 77
43) Isopropyl Acetate	6.354	43	89130	34.140	ug/l	# 92
47) Bromodichloromethane	7.836	83	364	0.251	ug/l	# 86
48) Methyl methacrylate	7.805	41	79755	64.012	ug/l	# 45
49) 1,4-Dioxane	7.799	88	142	24.153	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	63672	35.406	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	709	1.358	ug/l	# 43
54) cis-1,3-Dichloropropene	8.555	75	34720	21.894	ug/l	# 50
56) Ethyl methacrylate	9.244	69	858	0.472	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	4677	2.478	ug/l	# 42
59) 2-Hexanone	9.488	43	57091	41.449	ug/l	# 56
74) N-amyl acetate	10.823	43	586	0.266	ug/l	# 44
76) 1,2,3-Trichloropropane	11.085	75	31644	21.373	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	31644	60.697	ug/l	# 5
95) Naphthalene	13.780	128	1912	1.070	ug/l	# 90

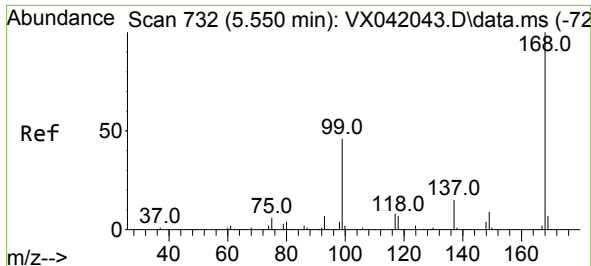
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 17 05:39:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

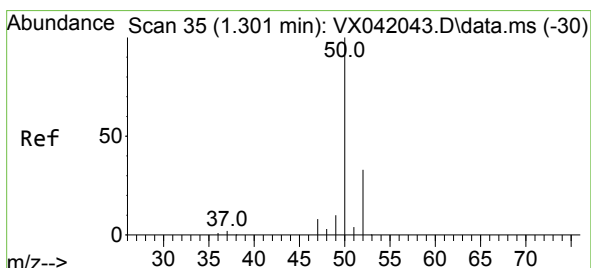
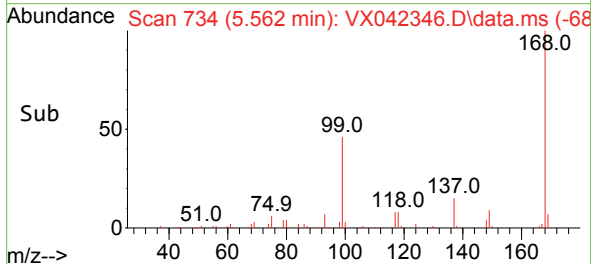
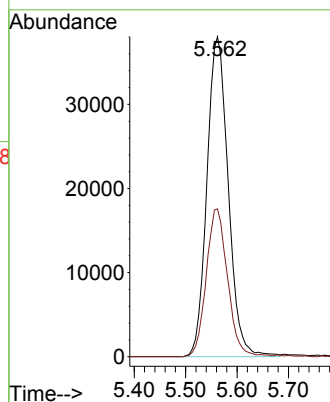
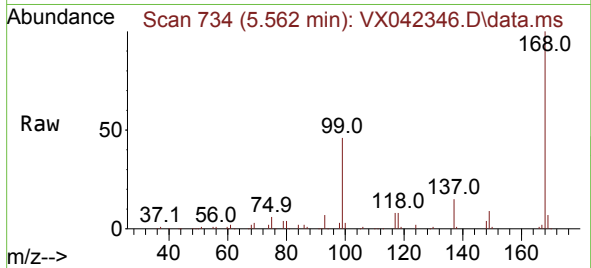




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

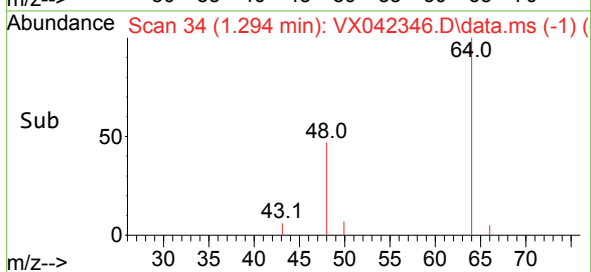
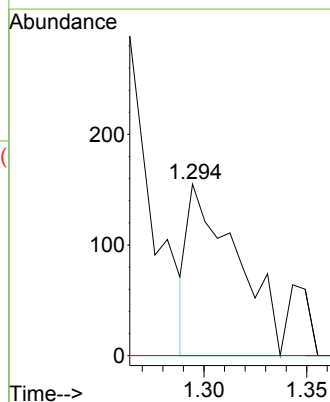
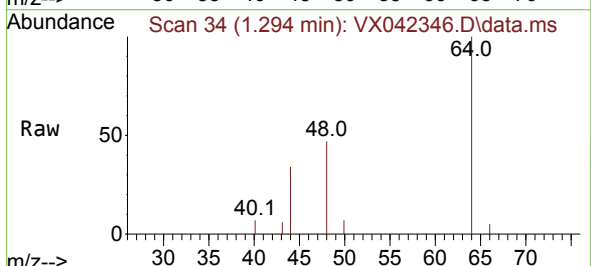
Instrument :
MSVOA_X
ClientSampleId :

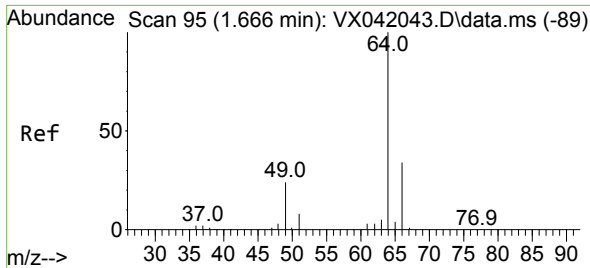
Tgt Ion:168 Resp: 109553
Ion Ratio Lower Upper
168 100
99 46.2 56.6 85.0#



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

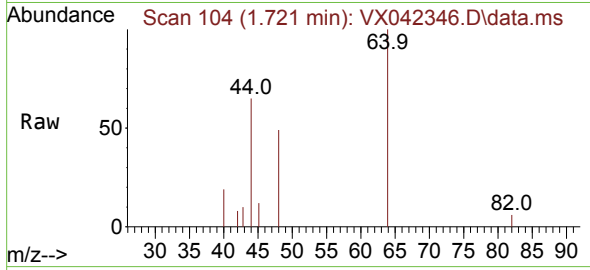
Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



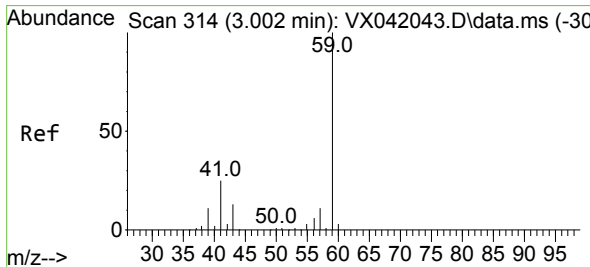
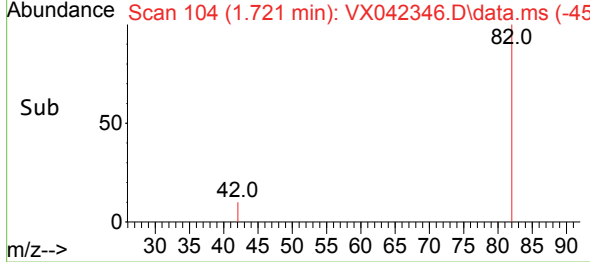
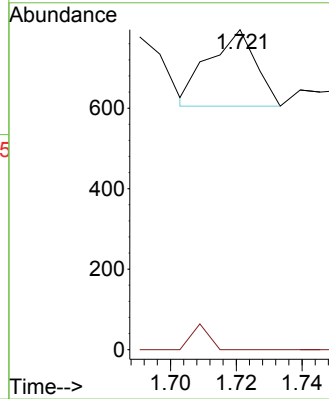


#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 104
Delta R.T. 0.061 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

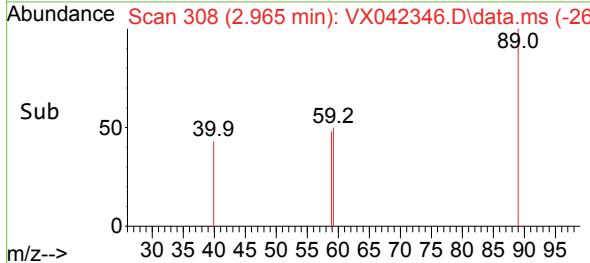
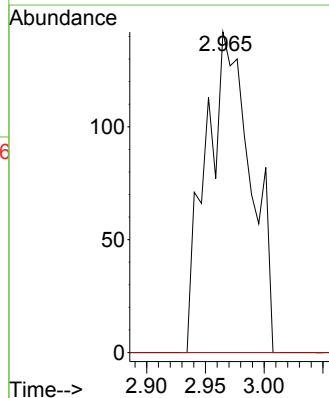
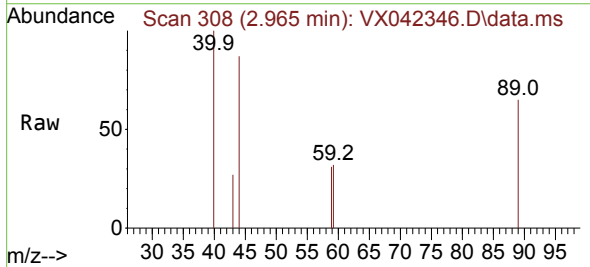


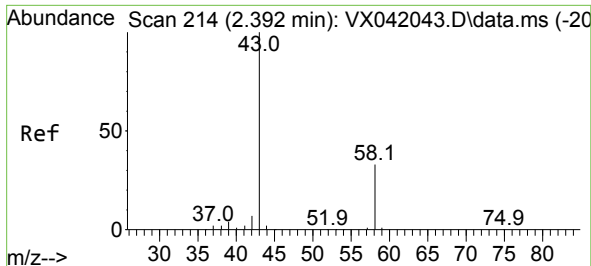
Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.572 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.043 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

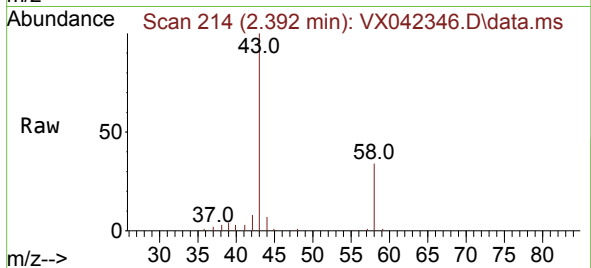
Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



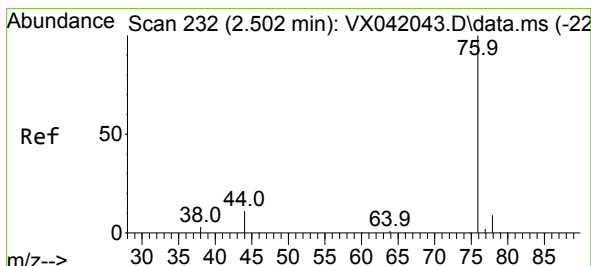
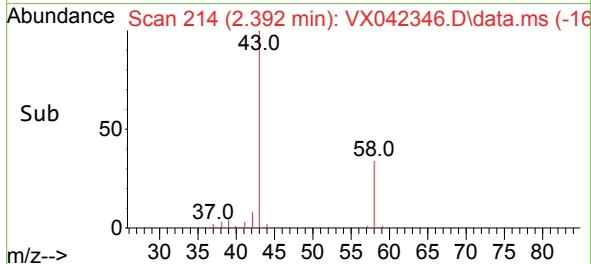
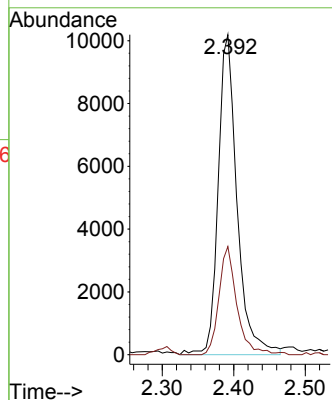


#16
Acetone
Concen: 33.659 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

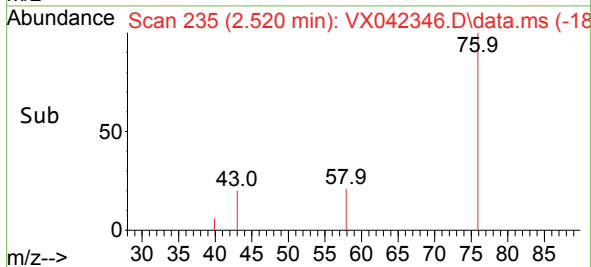
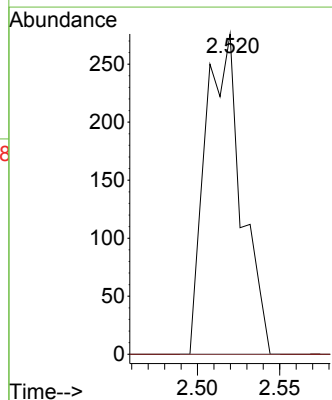
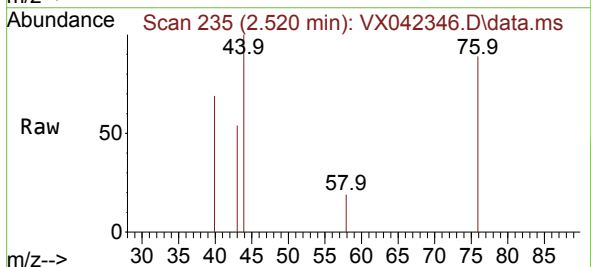


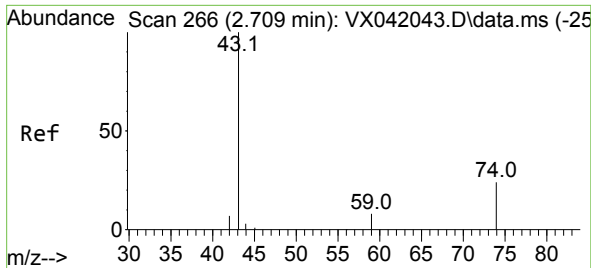
Tgt Ion: 43 Resp: 18671
Ion Ratio Lower Upper
43 100
58 33.8 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.018 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Tgt Ion: 76 Resp: 421
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

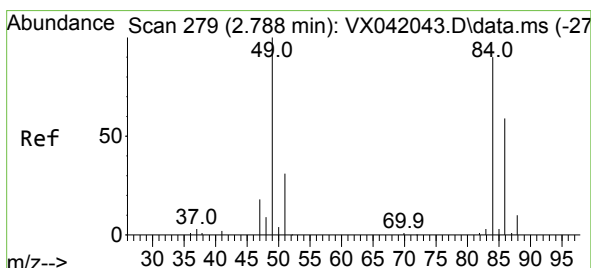
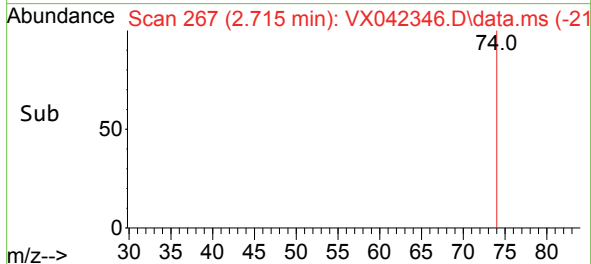
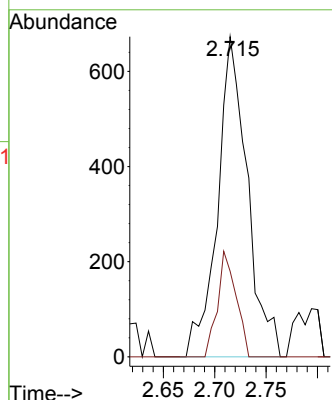
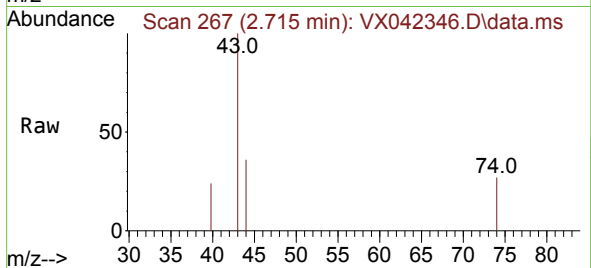




#18
Methyl Acetate
Concen: 0.895 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

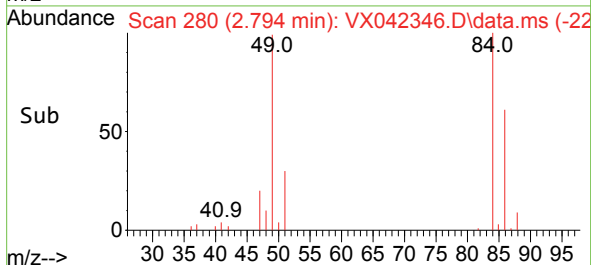
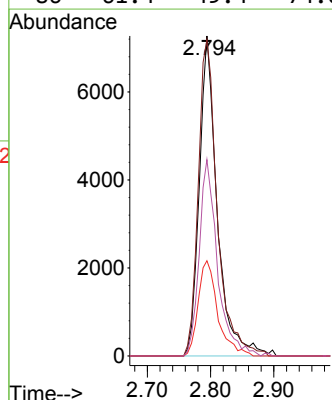
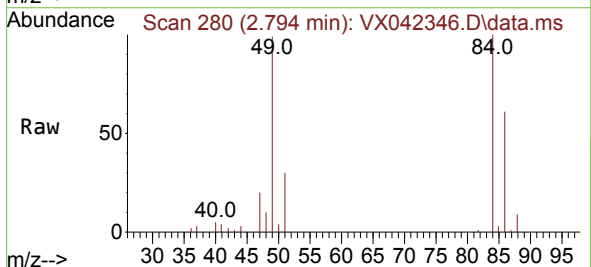
Instrument :
MSVOA_X
ClientSampleId :

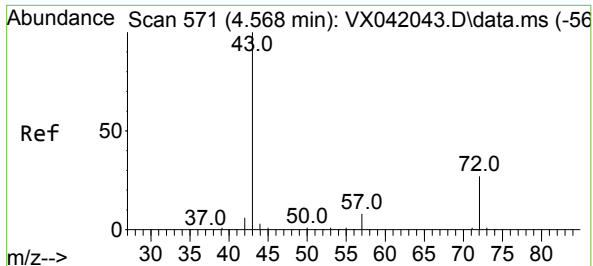
Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



#20
Methylene Chloride
Concen: 11.849 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Tgt Ion: 84 Resp: 14392
Ion Ratio Lower Upper
84 100
49 98.9 103.6 155.4#
51 29.7 33.8 50.6#
86 61.4 49.4 74.0





#25

2-Butanone

Concen: 1.756 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.031 min

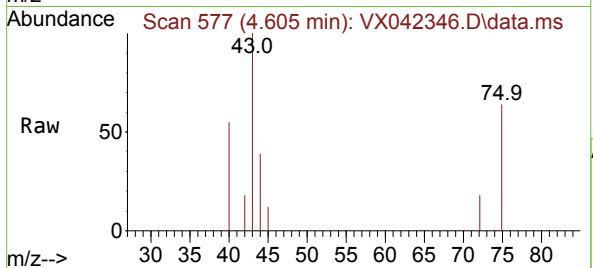
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Acq: 16 Jul 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :

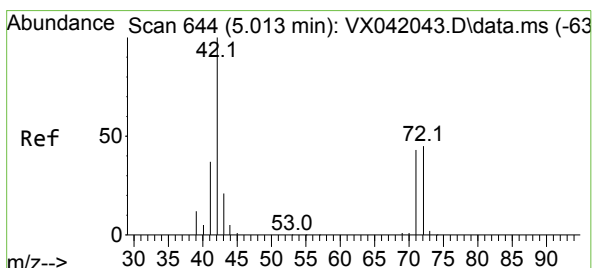
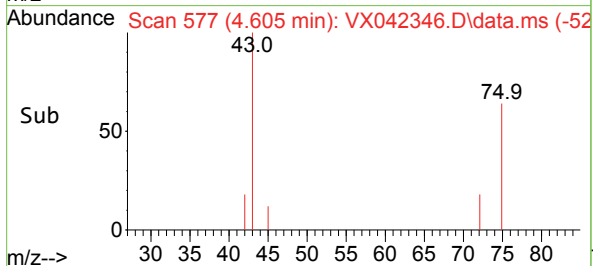
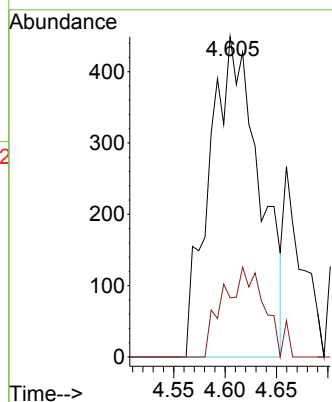


Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

43 100

72 18.5 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.305 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.061 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

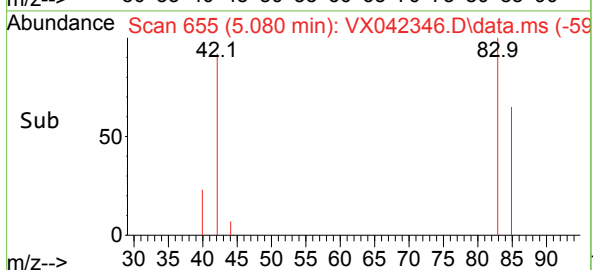
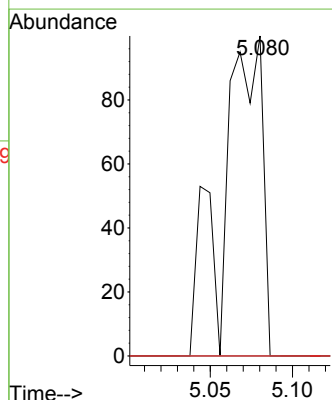
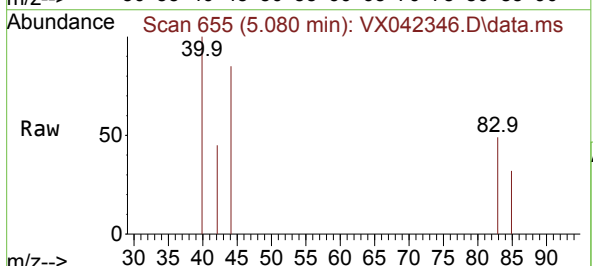
Tgt Ion: 42 Resp: 170

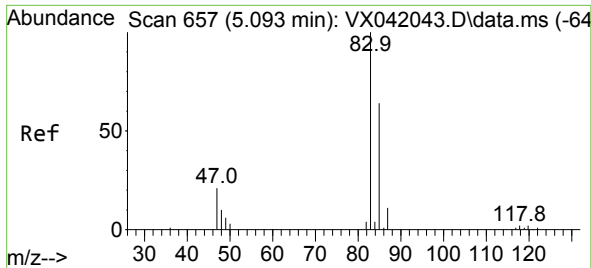
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

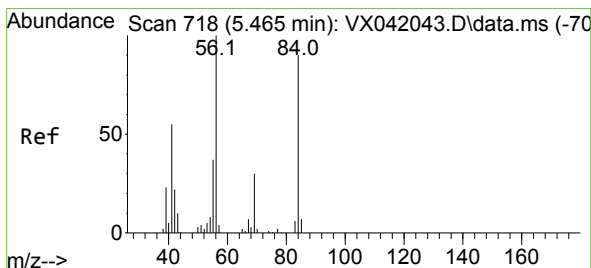
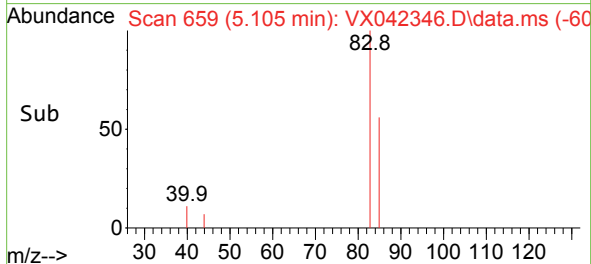
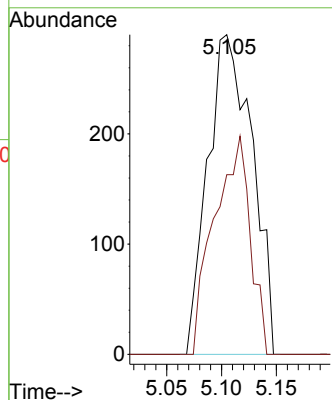
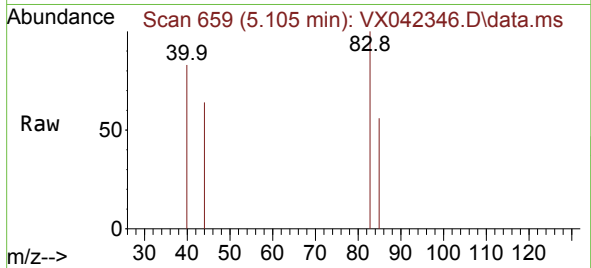




#30
Chloroform
Concen: 0.443 ug/l
RT: 5.105 min Scan# 619
Delta R.T. 0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

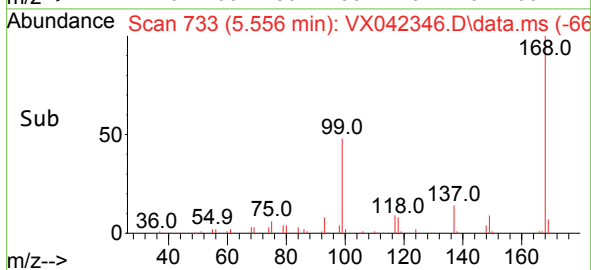
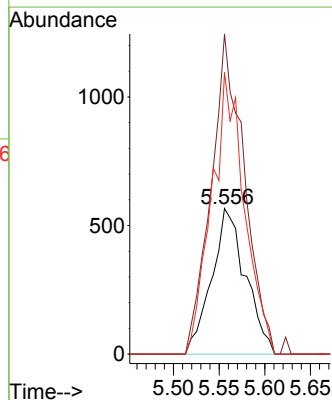
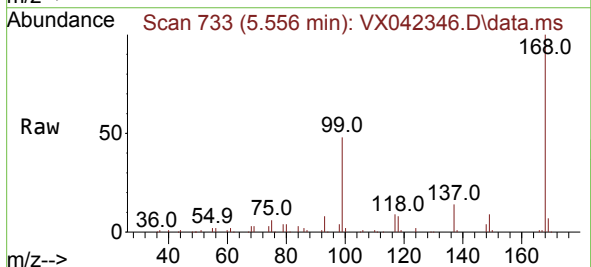
Instrument :
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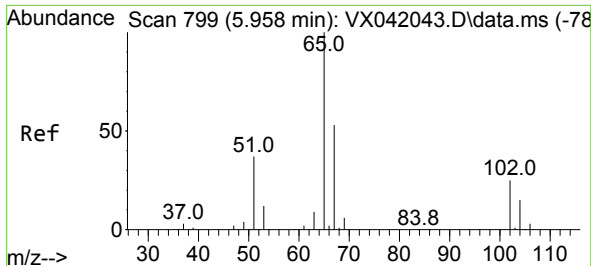
Tgt Ion: 83 Resp: 819
Ion Ratio Lower Upper
83 100
85 56.2 50.3 75.5



#31
Cyclohexane
Concen: 0.991 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Tgt Ion: 56 Resp: 1464
Ion Ratio Lower Upper
56 100
69 220.0 23.4 35.2#
84 193.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.297 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

Instrument :

MSVOA_X

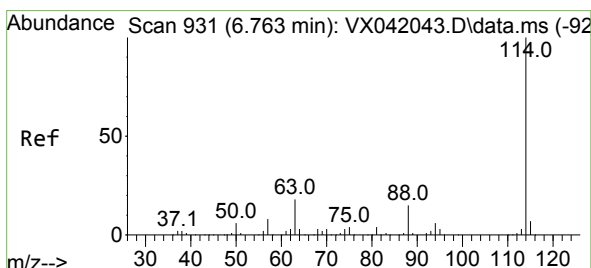
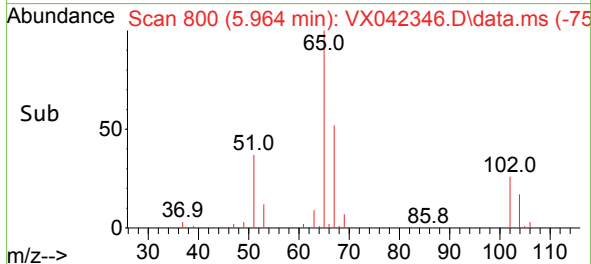
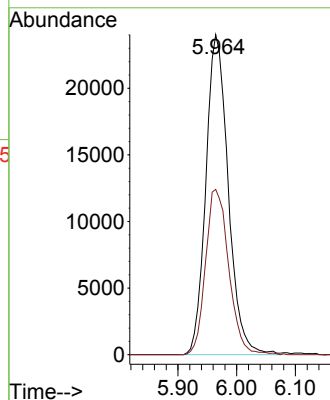
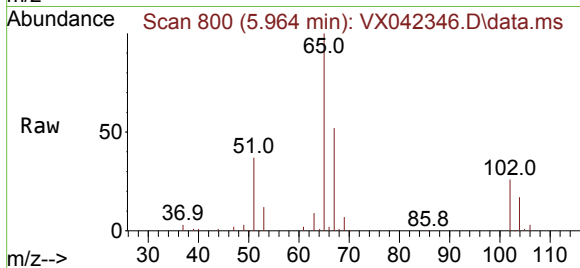
ClientSampleId :

Tgt Ion: 65 Resp: 63539

Ion Ratio Lower Upper

65 100

67 53.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

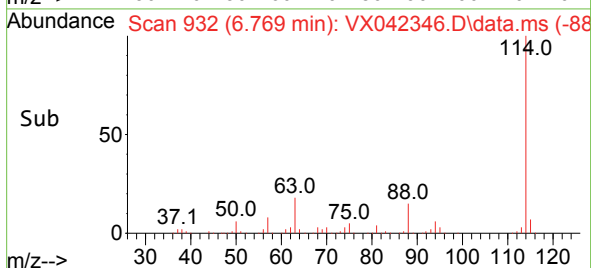
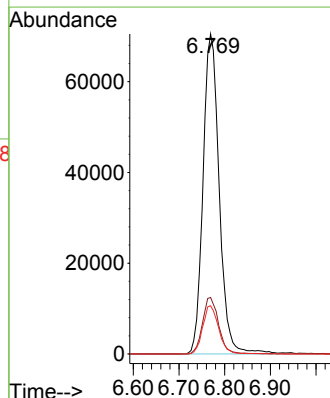
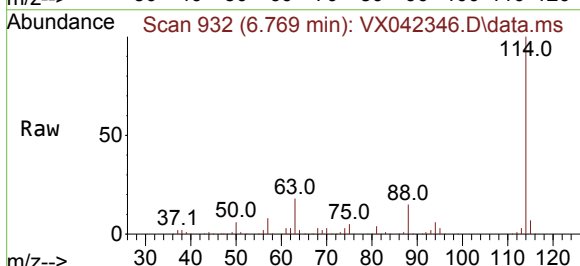
Tgt Ion:114 Resp: 173286

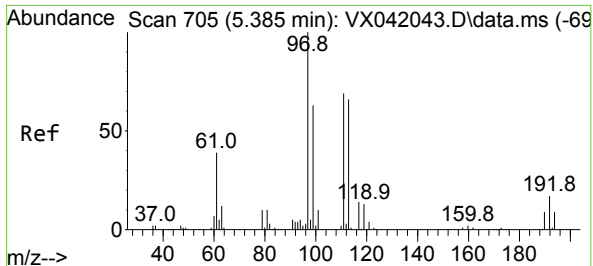
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

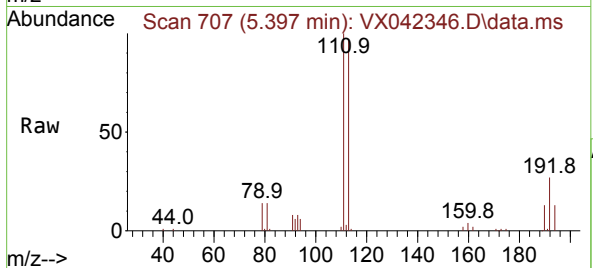
88 15.0 0.0 36.6



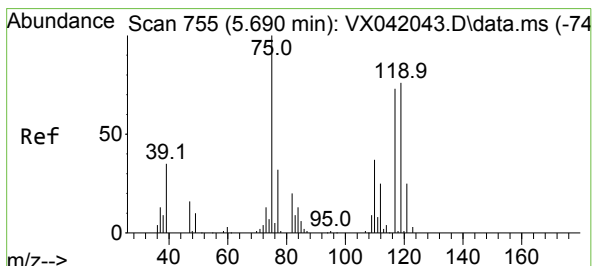
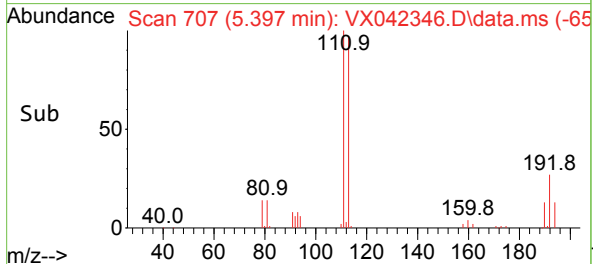
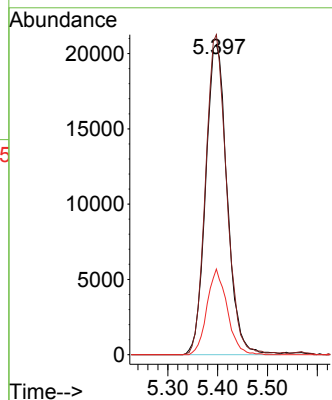


#35
Dibromofluoromethane
Concen: 50.152 ug/l
RT: 5.397 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

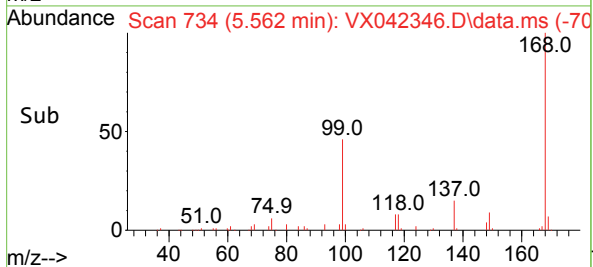
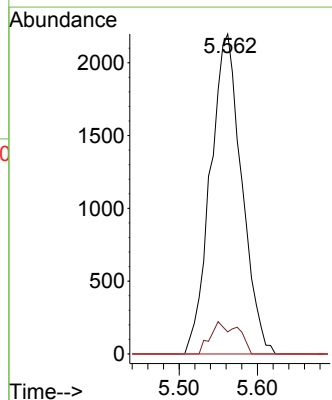
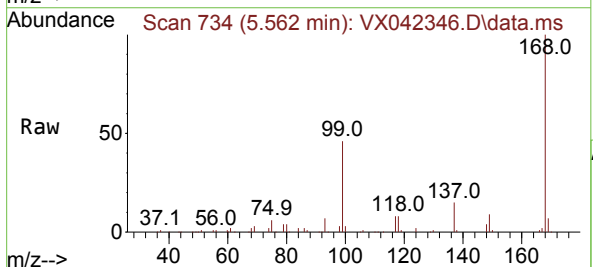


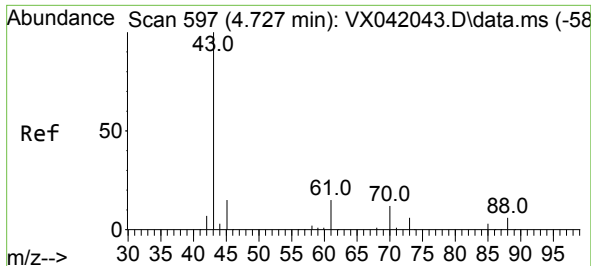
Tgt Ion:113 Resp: 61664
Ion Ratio Lower Upper
113 100
111 100.5 82.9 124.3
192 25.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.670 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Tgt Ion: 75 Resp: 6097
Ion Ratio Lower Upper
75 100
110 5.4 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.684 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.018 min

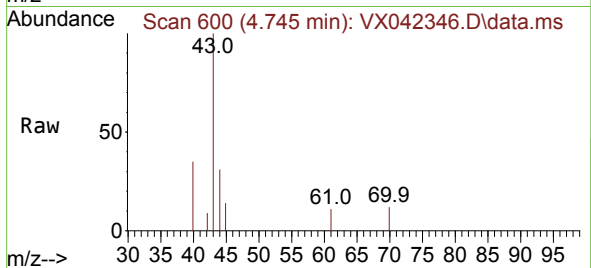
Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

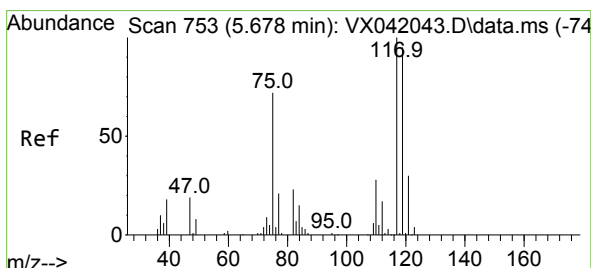
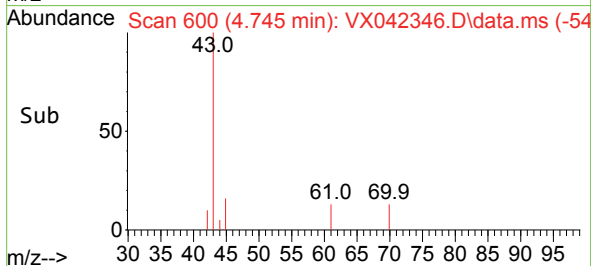
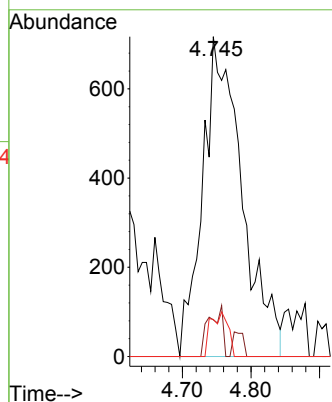
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2864
Ion Ratio	Lower Upper
43	100
61	5.5 10.6 16.0#
70	6.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.318 ug/l

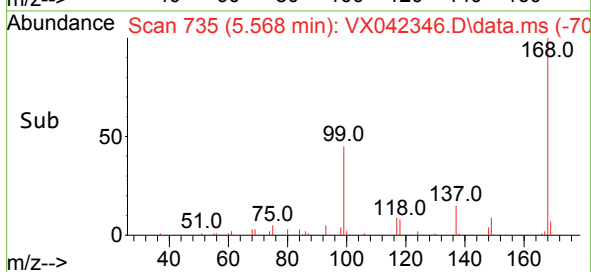
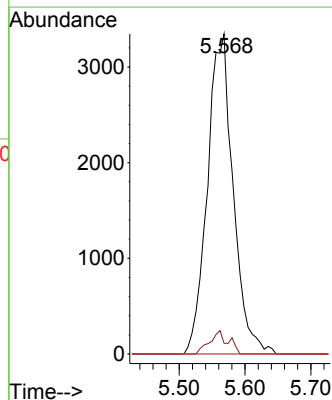
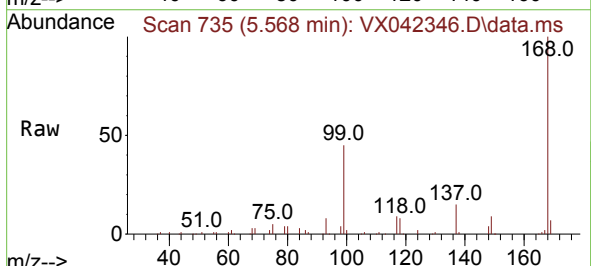
RT: 5.568 min Scan# 735

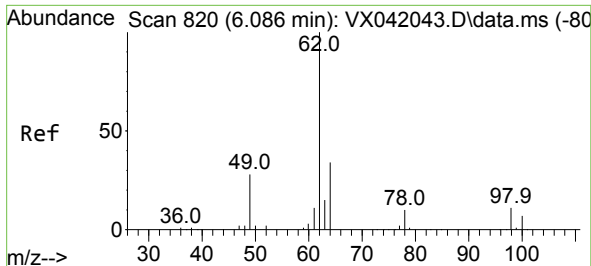
Delta R.T. -0.110 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

Tgt Ion: 117	Resp: 9115
Ion Ratio	Lower Upper
117	100
119	3.4 78.2 117.2#
121	0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.274 ug/l

RT: 6.361 min Scan# 80

Delta R.T. 0.274 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

Instrument :

MSVOA_X

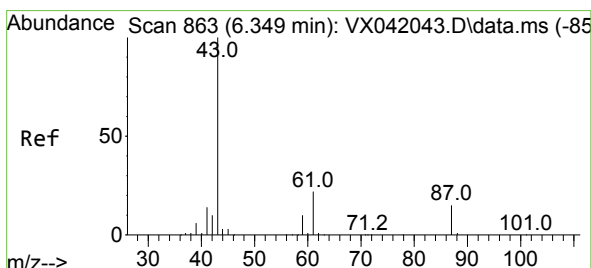
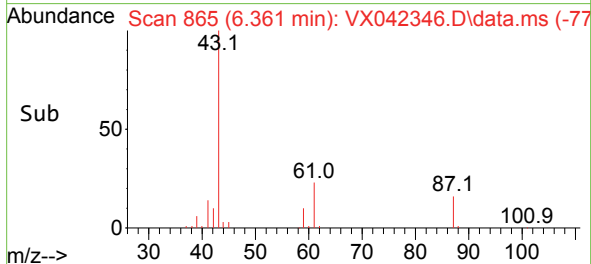
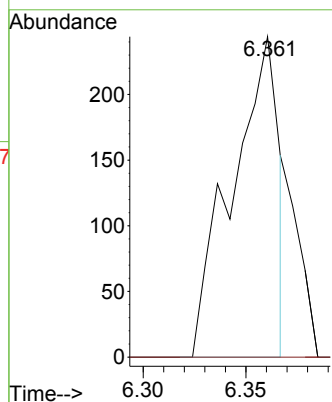
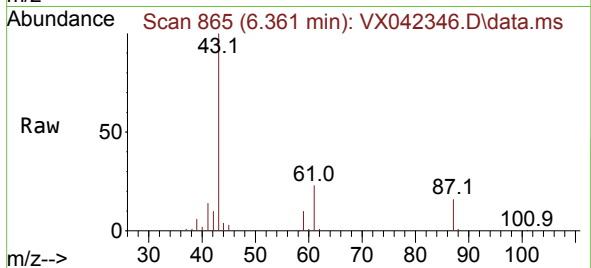
ClientSampleId :

Tgt Ion: 62 Resp: 388

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#43

Isopropyl Acetate

Concen: 34.140 ug/l

RT: 6.354 min Scan# 864

Delta R.T. 0.006 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

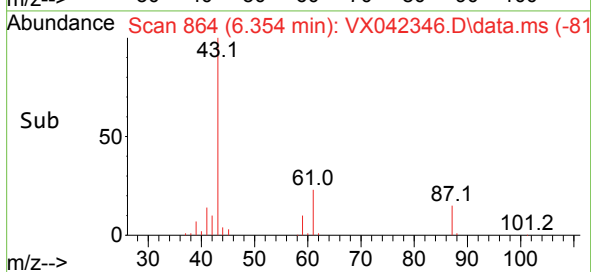
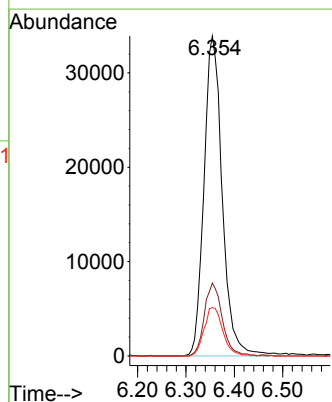
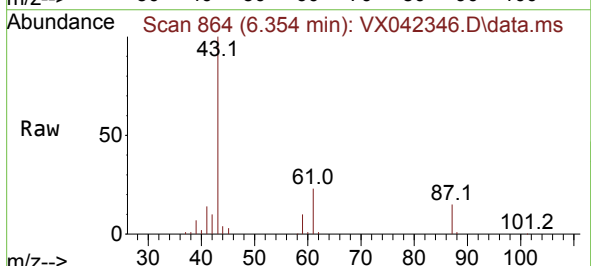
Tgt Ion: 43 Resp: 89130

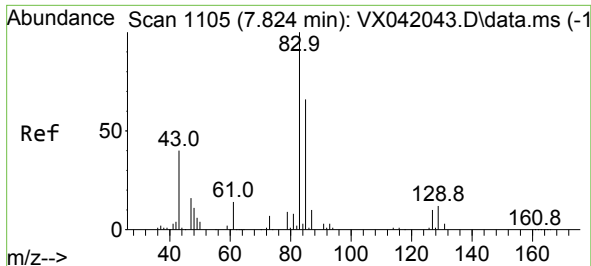
Ion Ratio Lower Upper

43 100

61 22.3 15.2 22.8

87 15.6 9.8 14.6#

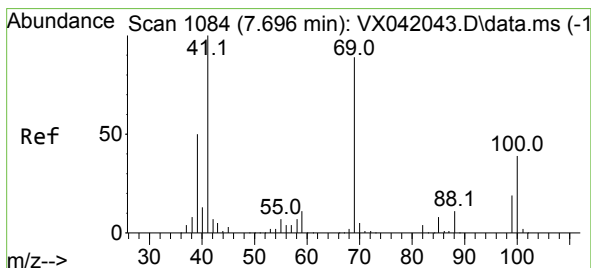
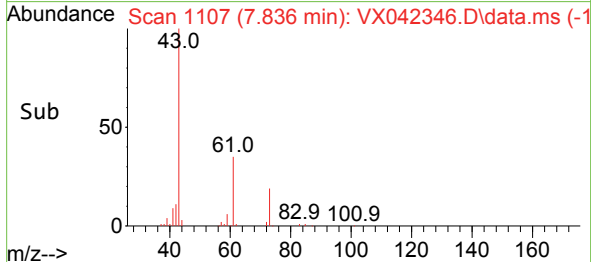
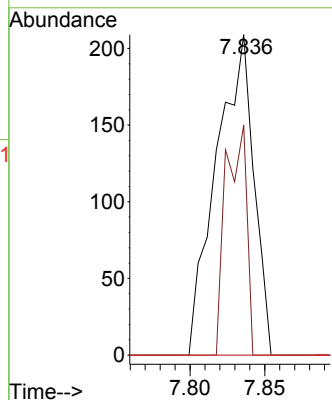
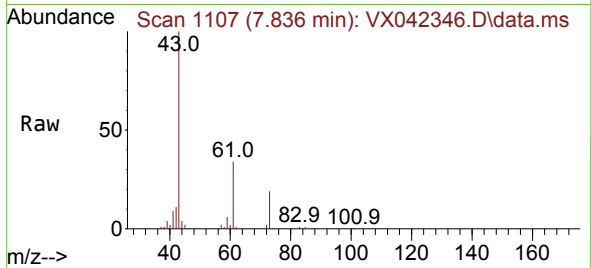




#47
Bromodichloromethane
Concen: 0.251 ug/l
RT: 7.836 min Scan# 1105
Delta R.T. 0.012 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

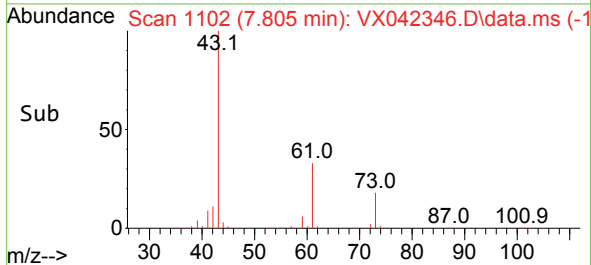
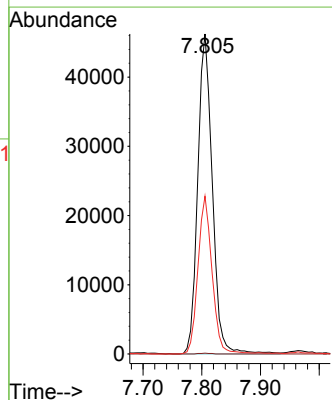
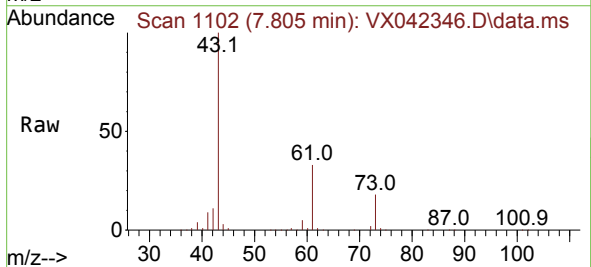
Instrument :
MSVOA_X
ClientSampleId :

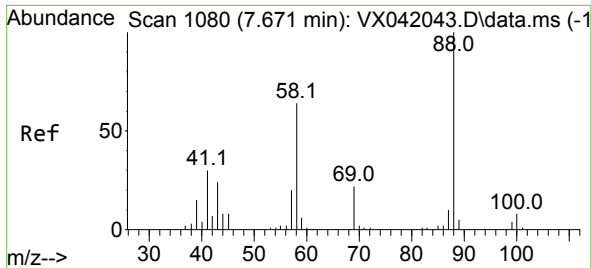
Tgt Ion: 83 Resp: 364
Ion Ratio Lower Upper
83 100
85 71.8 49.8 74.6
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 64.012 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

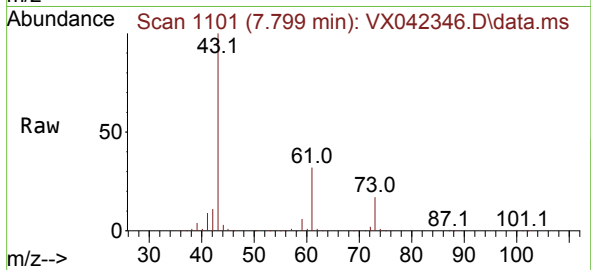
Tgt Ion: 41 Resp: 79755
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 47.8 47.7 71.5



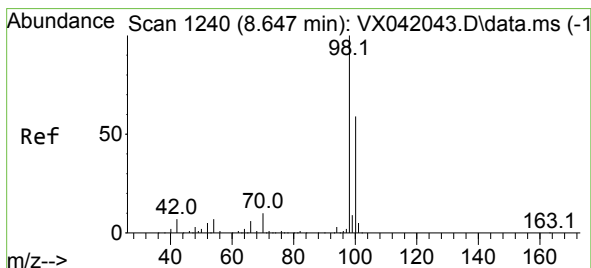
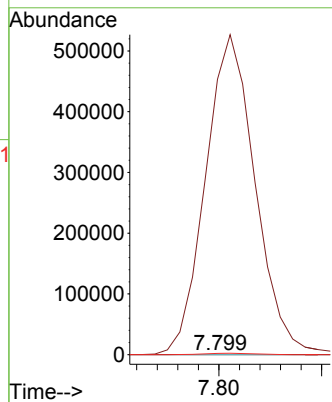
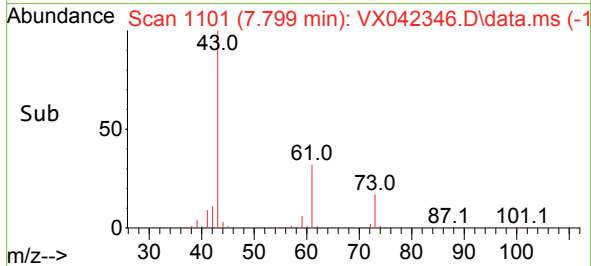


#49
1,4-Dioxane
Concen: 24.153 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

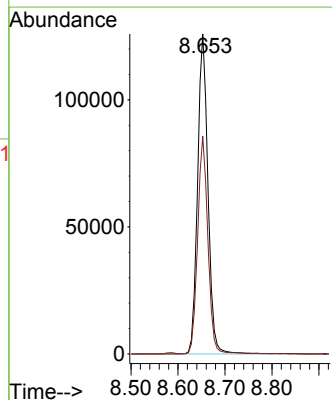
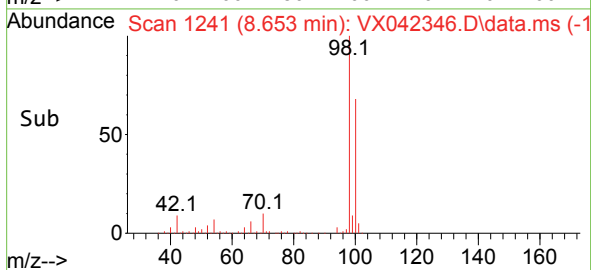
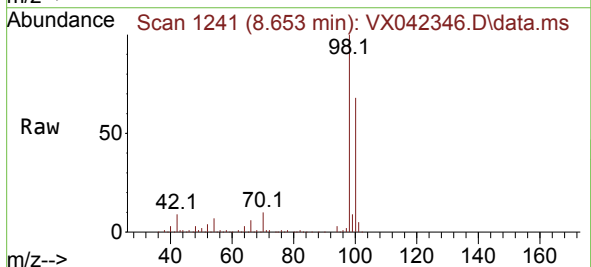


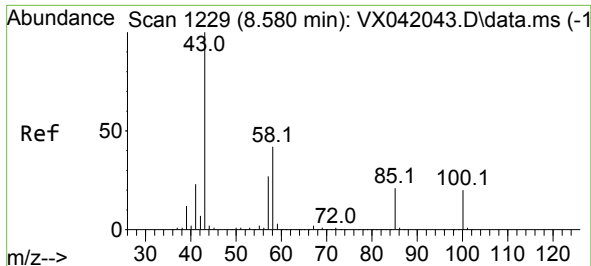
Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 631839.4 0.0 0.0#
58 3016.2 60.1 90.1#



#50
Toluene-d8
Concen: 44.929 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Tgt Ion: 98 Resp: 194070
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7

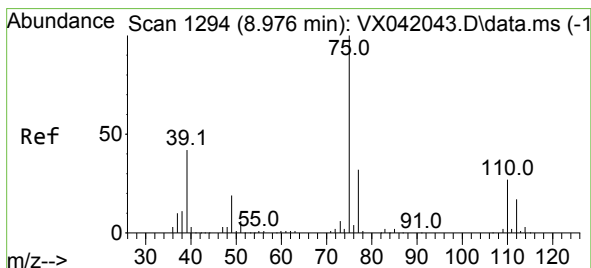
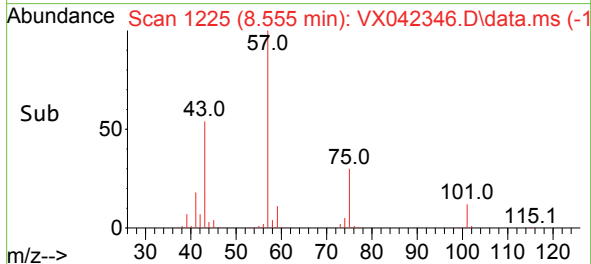
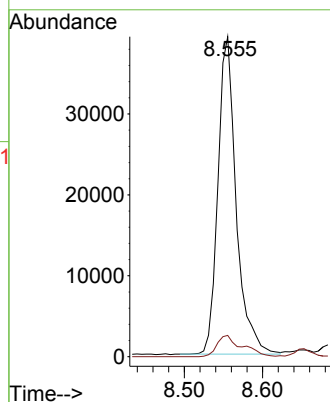
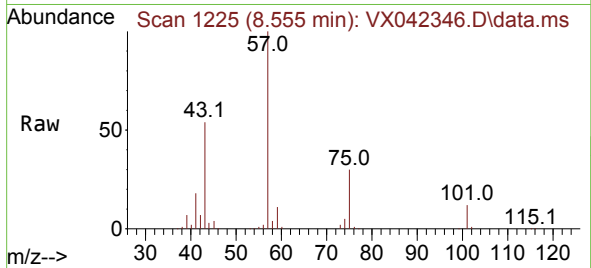




#51
4-Methyl-2-Pentanone
Concen: 35.406 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.024 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

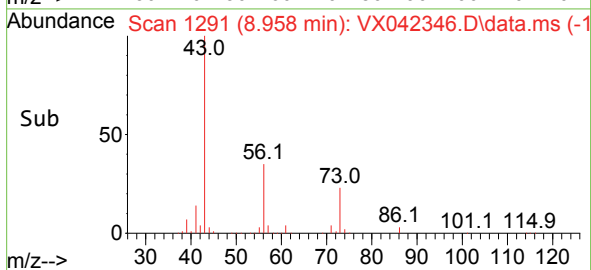
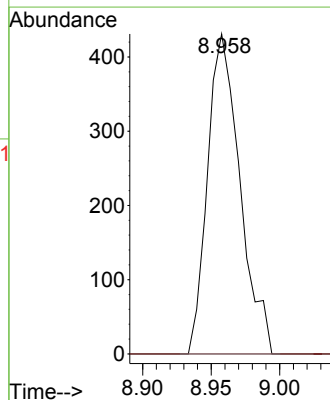
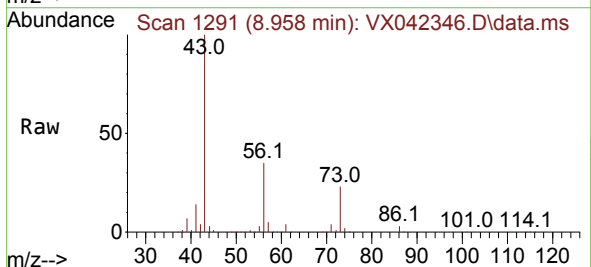
Instrument :
MSVOA_X
ClientSampleId :

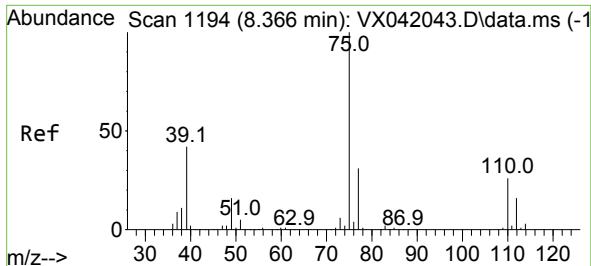
Tgt Ion: 43 Resp: 63672
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.358 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Tgt Ion: 75 Resp: 709
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

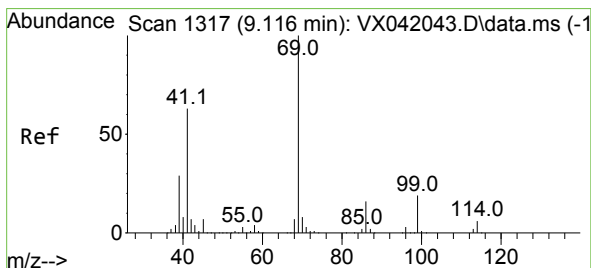
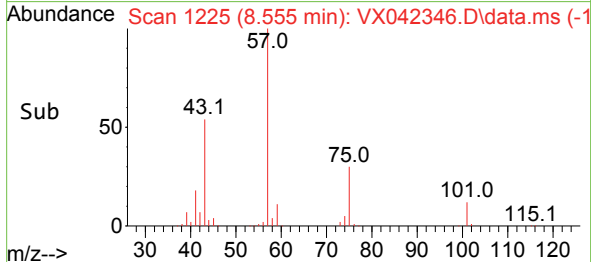
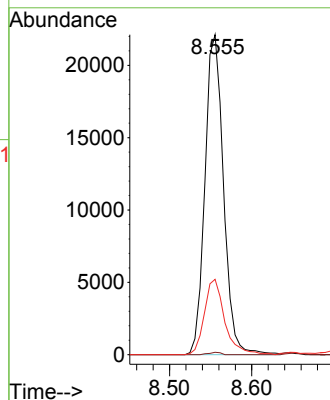
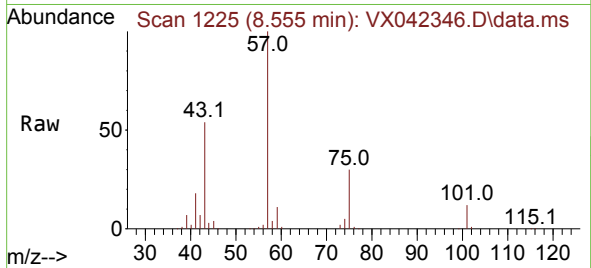




#54
 cis-1,3-Dichloropropene
 Concen: 21.894 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX042346.D
 Acq: 16 Jul 2024 16:41

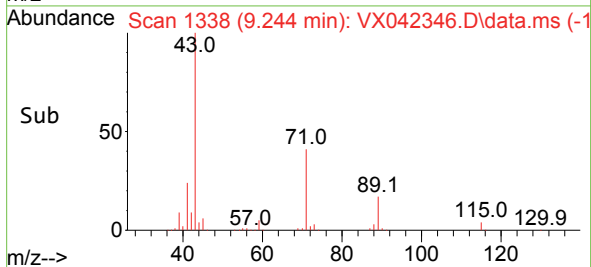
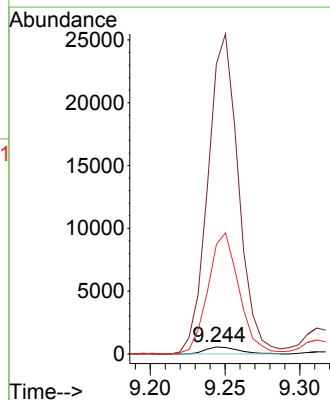
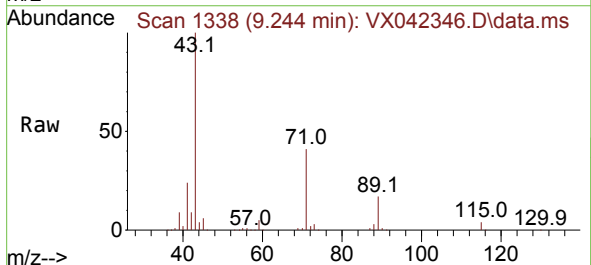
Instrument :
 MSVOA_X
 ClientSampleId :

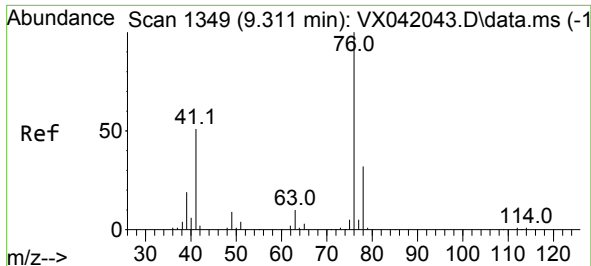
Tgt Ion: 75 Resp: 34720
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 23.5 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.472 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX042346.D
 Acq: 16 Jul 2024 16:41

Tgt Ion: 69 Resp: 858
 Ion Ratio Lower Upper
 69 100
 41 4239.4 56.8 85.2#
 39 1630.0 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.478 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

Instrument :

MSVOA_X

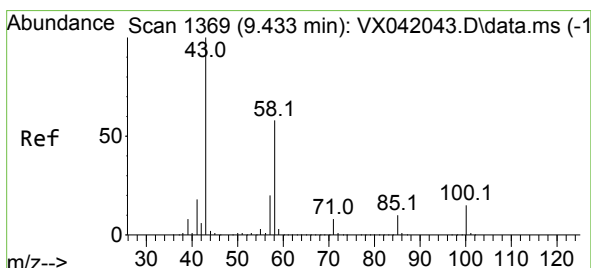
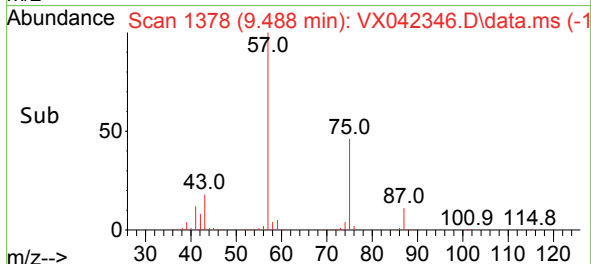
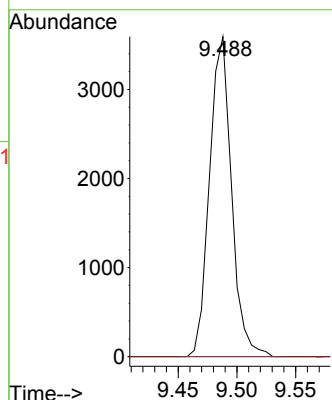
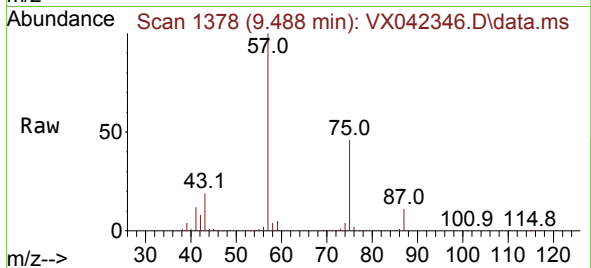
ClientSampleId :

Tgt Ion: 76 Resp: 4677

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.449 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX042346.D

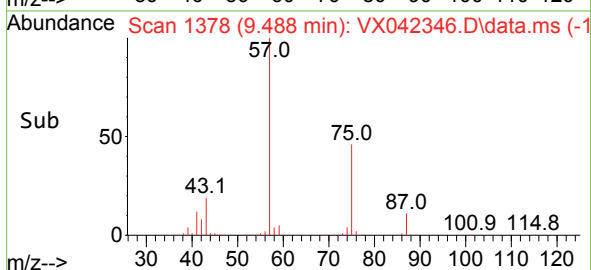
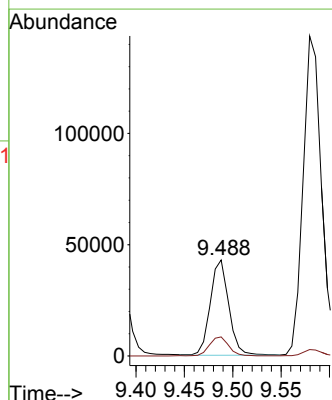
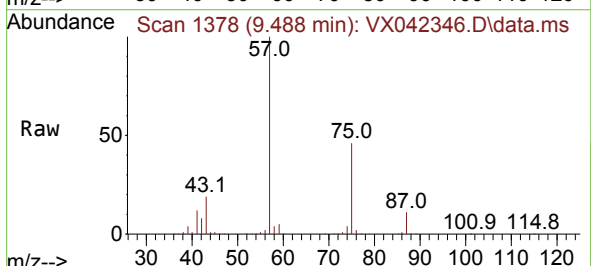
Acq: 16 Jul 2024 16:41

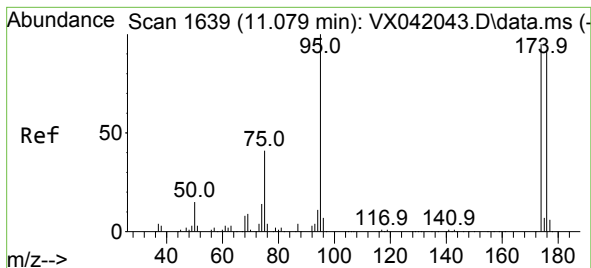
Tgt Ion: 43 Resp: 57091

Ion Ratio Lower Upper

43 100

58 21.4 26.2 78.5#

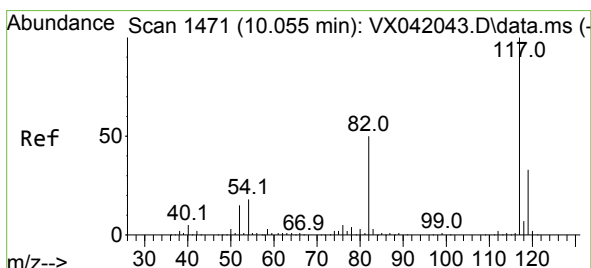
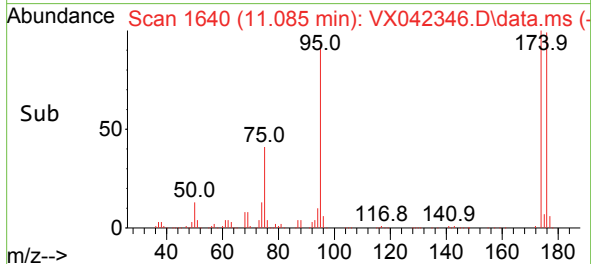
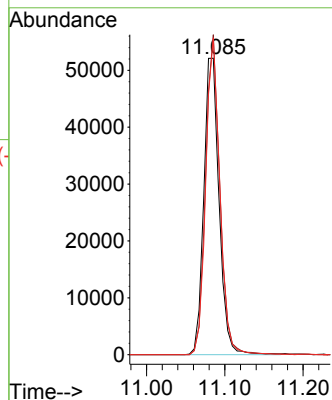
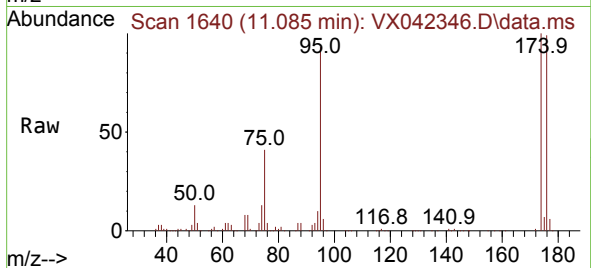




#62
4-Bromofluorobenzene
Concen: 44.345 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

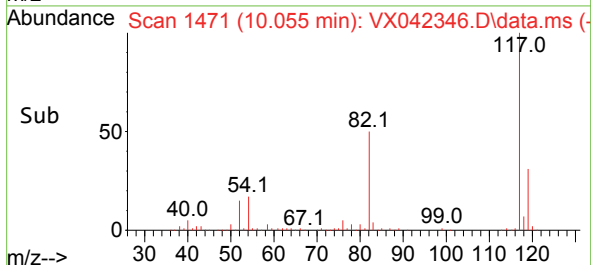
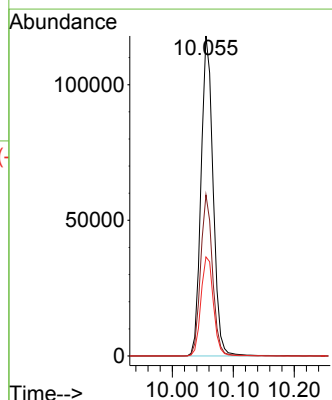
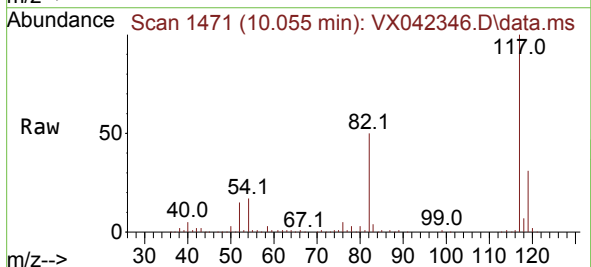
Instrument :
MSVOA_X
ClientSampleId :

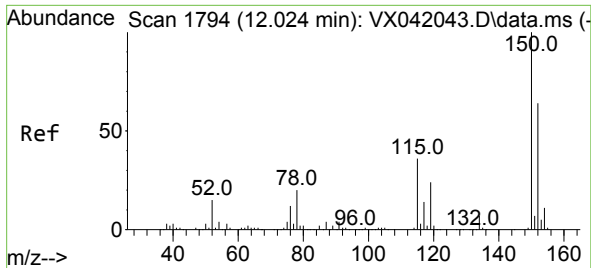
Tgt Ion: 95 Resp: 70609
Ion Ratio Lower Upper
95 100
174 100.6 0.0 135.6
176 99.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

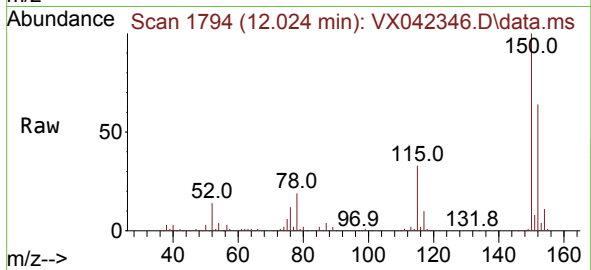
Tgt Ion: 117 Resp: 162059
Ion Ratio Lower Upper
117 100
82 50.3 46.2 69.4
119 31.0 25.5 38.3



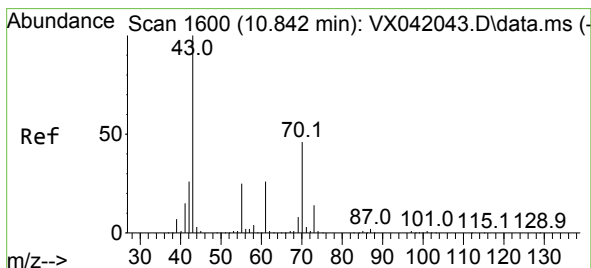
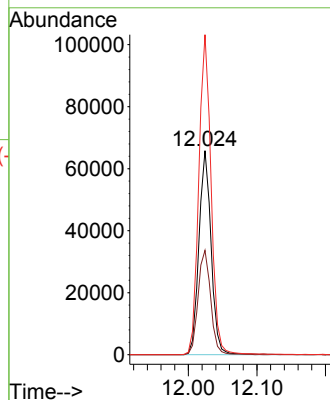
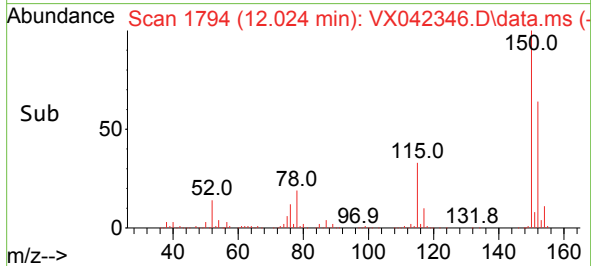


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

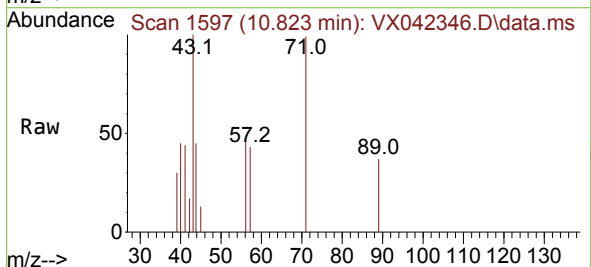
Instrument :
MSVOA_X
ClientSampleId :



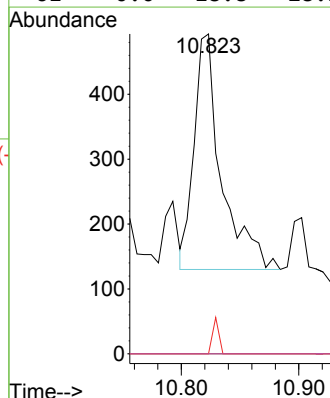
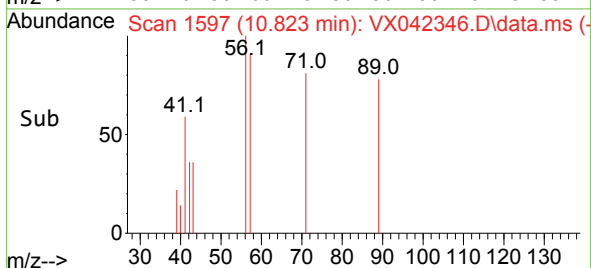
Tgt Ion:152 Resp: 81556
Ion Ratio Lower Upper
152 100
115 52.8 43.3 129.9
150 158.3 0.0 345.0

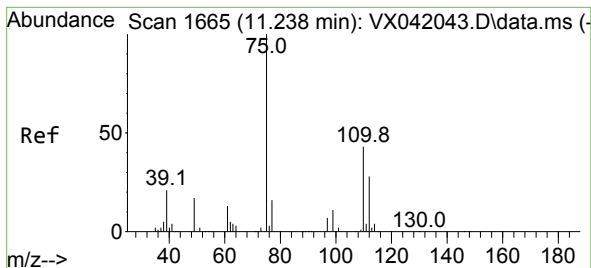


#74
N-ethyl acetate
Concen: 0.266 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41



Tgt Ion: 43 Resp: 586
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: 21.373 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.152 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

Instrument :

MSVOA_X

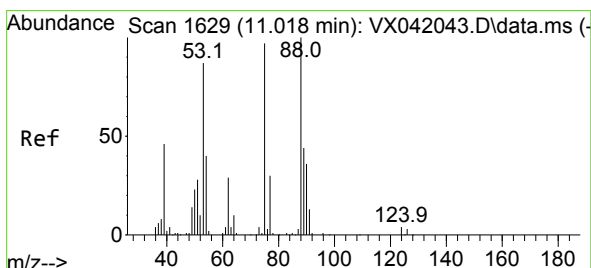
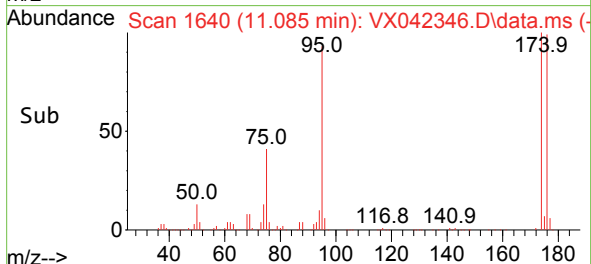
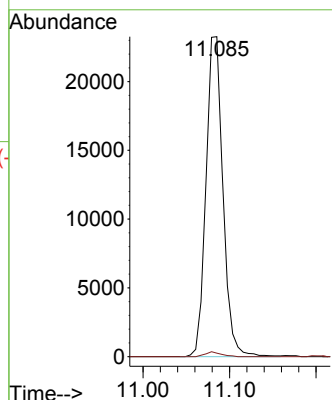
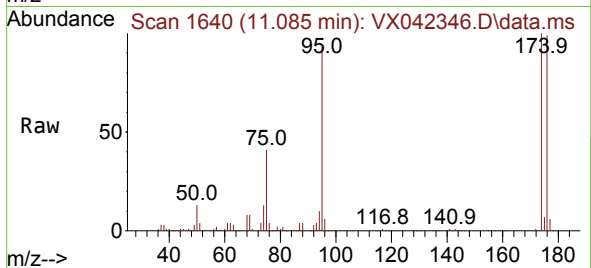
ClientSampleId :

Tgt Ion: 75 Resp: 31644

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.697 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX042346.D

Acq: 16 Jul 2024 16:41

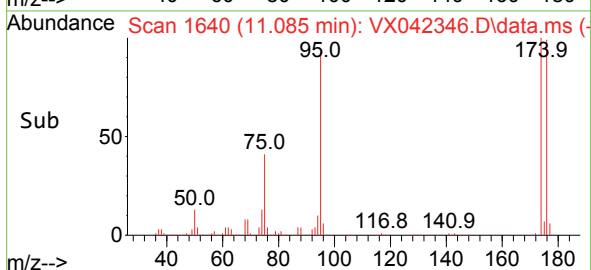
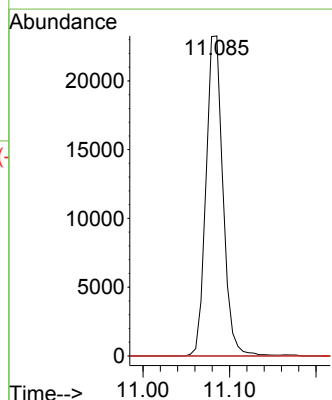
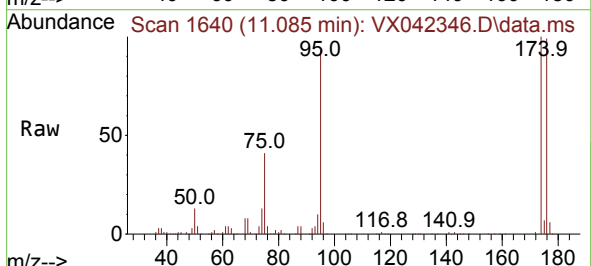
Tgt Ion: 75 Resp: 31644

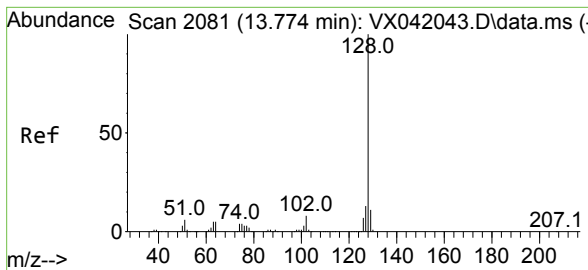
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

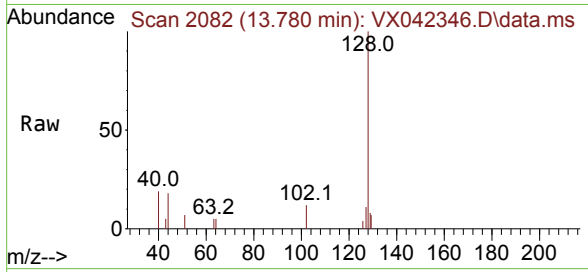
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 1.070 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042346.D
Acq: 16 Jul 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	1912
Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.3	15.5#
129	8.1	8.8	13.2#

