

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042271.D
 Acq On : 10 Jul 2024 16:43
 Operator : JC/MD
 Sample : P3183-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:59:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

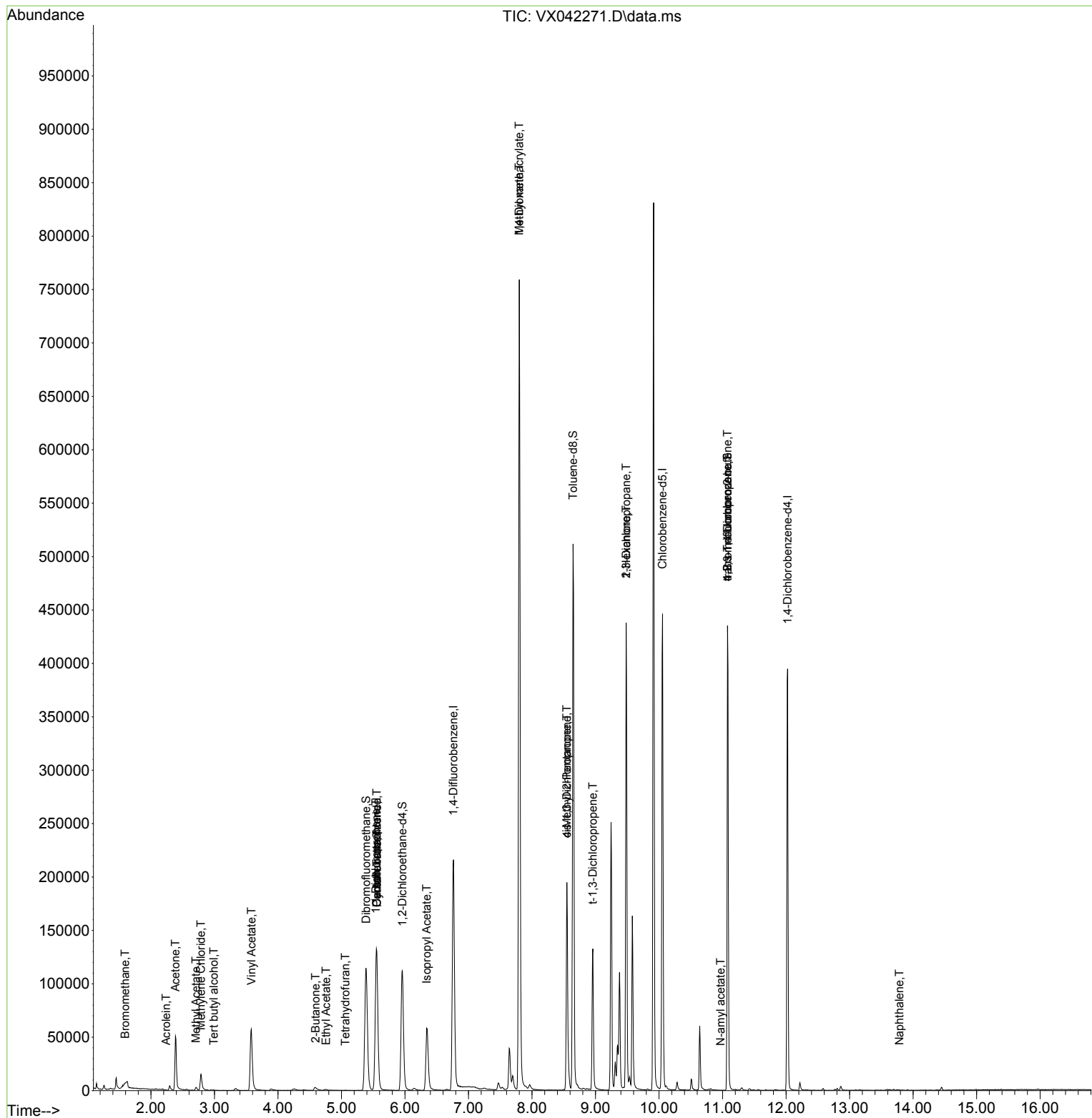
Internal Standards						
1) Pentafluorobenzene	5.556	168	149597	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	243565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108105	62.668	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.340%#			
35) Dibromofluoromethane	5.385	113	102282	59.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.360%			
50) Toluene-d8	8.647	98	316012	52.050	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.100%			
62) 4-Bromofluorobenzene	11.079	95	114319	51.080	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.160%			
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	152	0.215	ug/l	# 3
6) Chloroethane	1.678	64	254	Below Cal		# 43
11) Tert butyl alcohol	2.989	59	615	1.879	ug/l	# 78
13) Acrolein	2.239	56	101	0.275	ug/l	# 64
16) Acetone	2.386	43	57893	76.430	ug/l	# 87
18) Methyl Acetate	2.709	43	3782	1.830	ug/l	# 99
20) Methylene Chloride	2.788	84	8660	5.221	ug/l	# 84
23) Vinyl Acetate	3.581	43	1041	0.282	ug/l	# 73
25) 2-Butanone	4.593	43	6801	5.771	ug/l	# 97
29) Tetrahydrofuran	5.062	42	174	0.229	ug/l	# 34
31) Cyclohexane	5.556	56	2015	0.999	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8151	4.441	ug/l	# 51
37) Ethyl Acetate	4.757	43	2345	0.981	ug/l	# 75
38) Carbon Tetrachloride	5.556	117	12226	6.030	ug/l	# 16
43) Isopropyl Acetate	6.342	43	82590	22.507	ug/l	# 94
48) Methyl methacrylate	7.799	41	60961	34.810	ug/l	# 45
49) 1,4-Dioxane	7.799	88	44	20.862	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	66401	26.269	ug/l	# 48
53) t-1,3-Dichloropropene	8.958	75	335	1.048	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	33193	14.892	ug/l	# 52
57) 1,3-Dichloropropane	9.482	76	4106	1.548	ug/l	# 42
59) 2-Hexanone	9.482	43	47851	24.716	ug/l	# 58
74) N-amyl acetate	10.969	43	542	0.208	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	51665	29.455	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	51665	83.650	ug/l	# 5
95) Naphthalene	13.786	128	299	0.790	ug/l	# 69

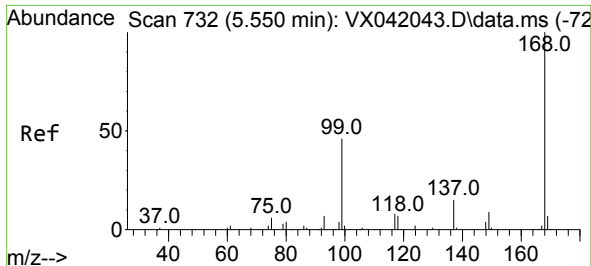
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

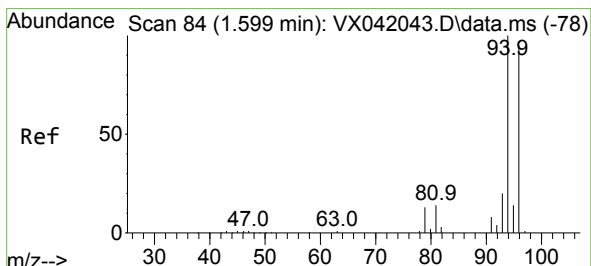
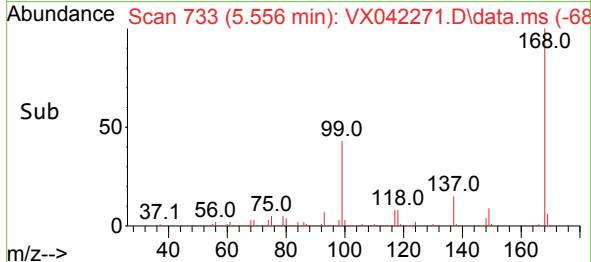
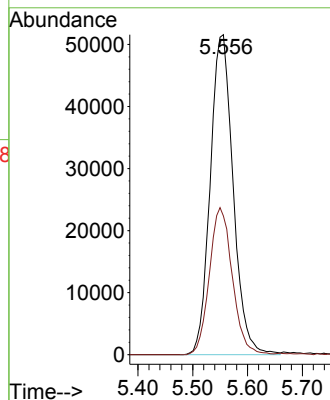
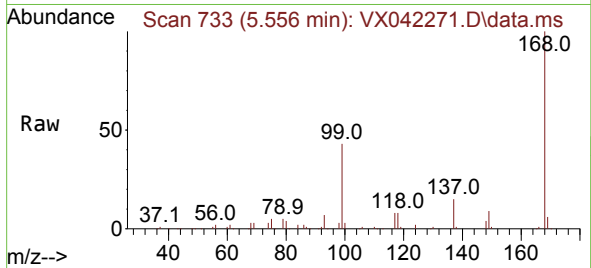




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

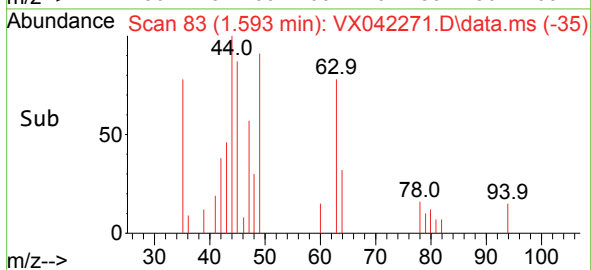
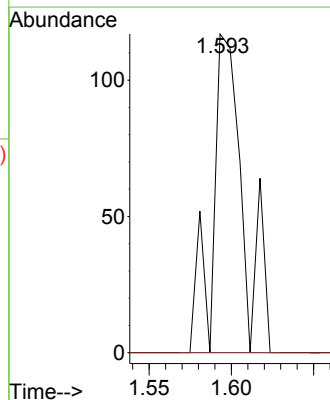
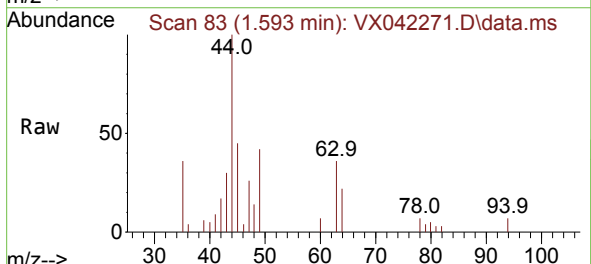
Instrument :
MSVOA_X
ClientSampleId :

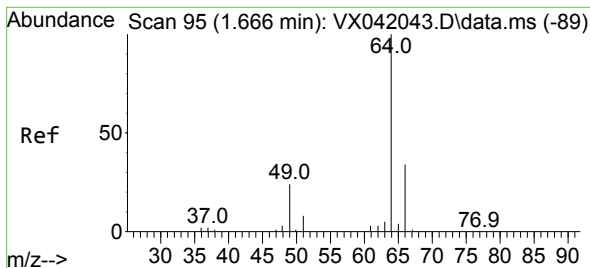
Tgt Ion:168 Resp: 149597
Ion Ratio Lower Upper
168 100
99 43.4 56.6 85.0#



#5
Bromomethane
Concen: 0.215 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 94 Resp: 152
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.678 min Scan# 91

Delta R.T. 0.018 min

Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

Instrument :

MSVOA_X

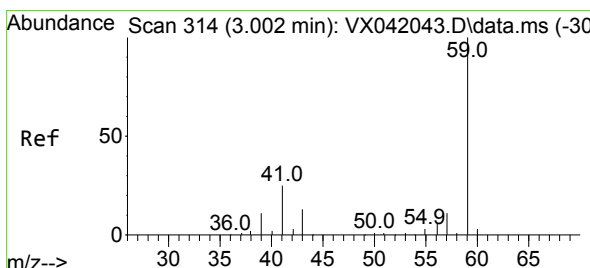
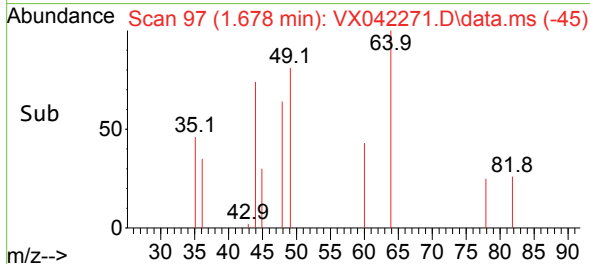
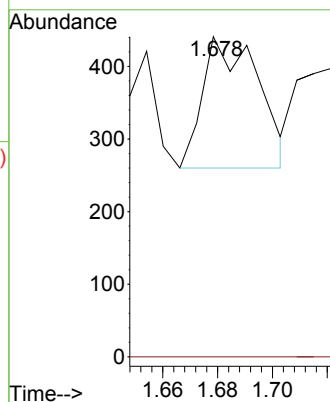
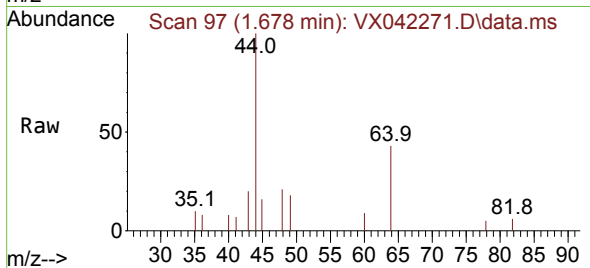
ClientSampleId :

Tgt Ion: 64 Resp: 254

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.879 ug/l

RT: 2.989 min Scan# 312

Delta R.T. -0.018 min

Lab File: VX042271.D

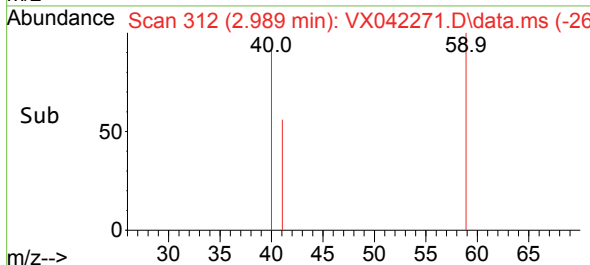
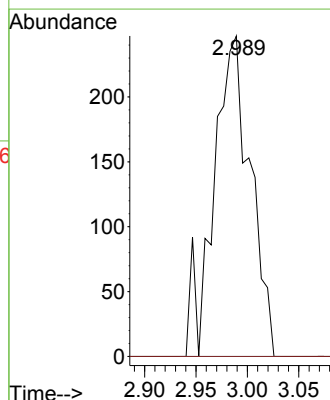
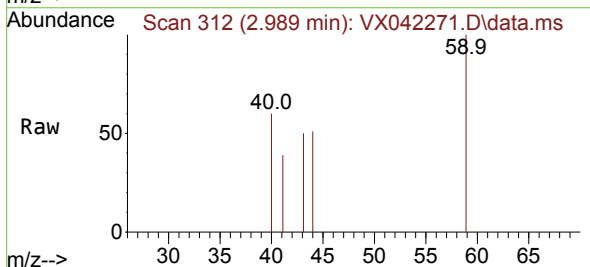
Acq: 10 Jul 2024 16:43

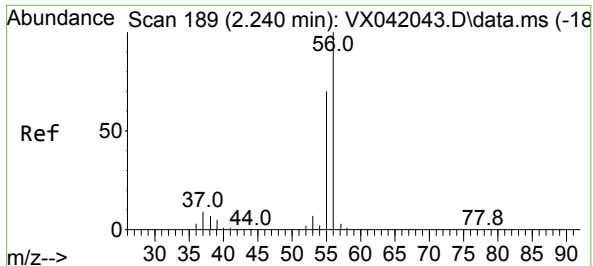
Tgt Ion: 59 Resp: 615

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

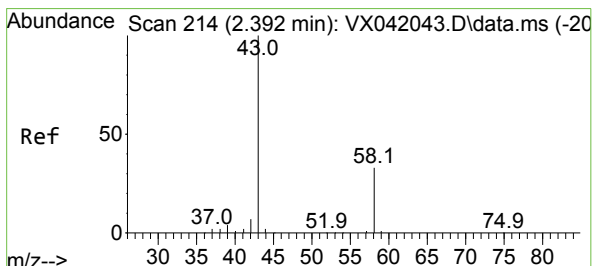
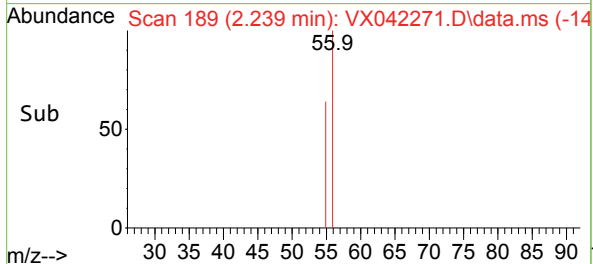
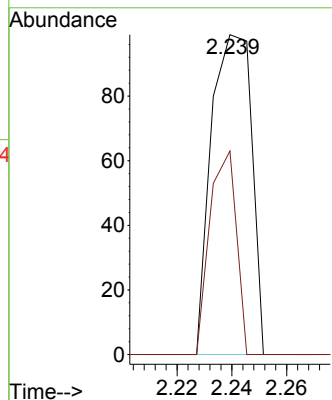
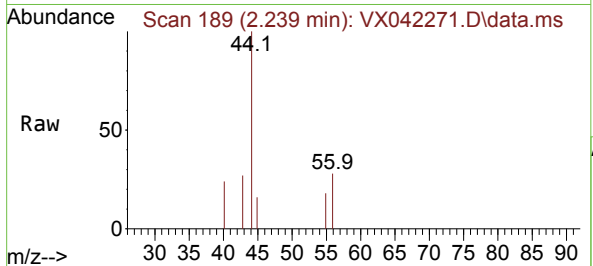




#13
Acrolein
Concen: 0.275 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

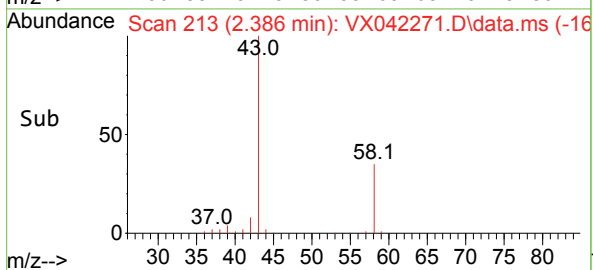
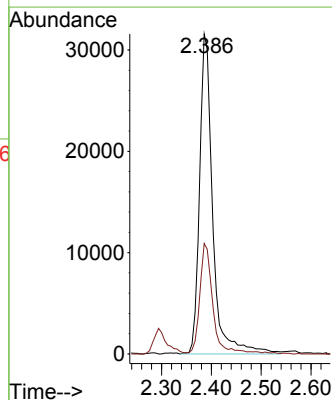
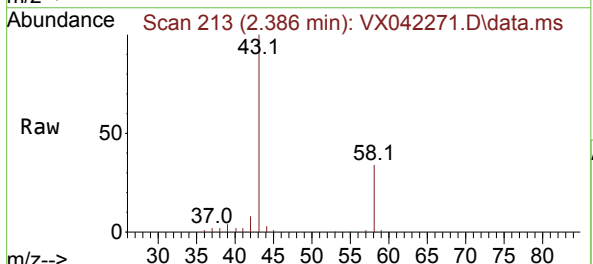
Instrument :
MSVOA_X
ClientSampleId :

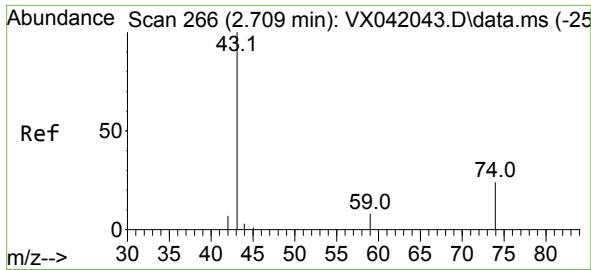
Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 41.6 57.1 85.7#



#16
Acetone
Concen: 76.430 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 43 Resp: 57893
Ion Ratio Lower Upper
43 100
58 34.3 21.9 32.9#





#18

Methyl Acetate

Concen: 1.830 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

Instrument :

MSVOA_X

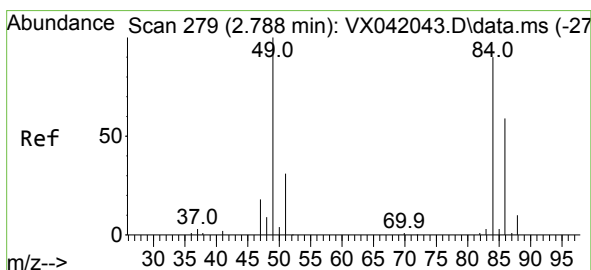
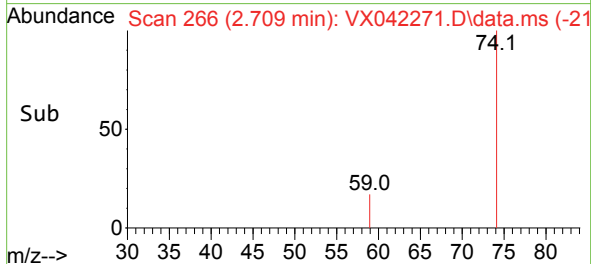
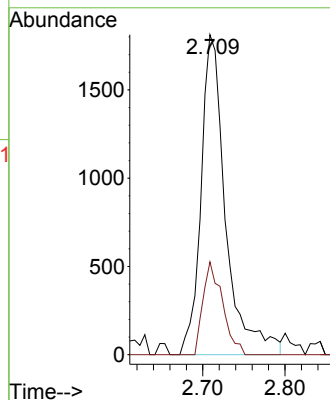
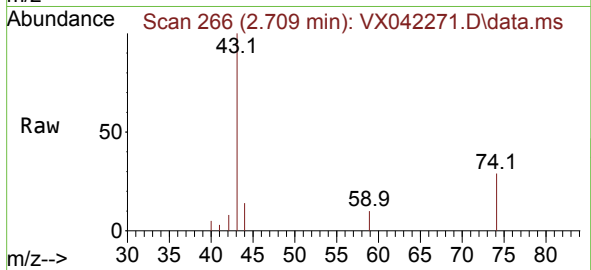
ClientSampleId :

Tgt Ion: 43 Resp: 3782

Ion Ratio Lower Upper

43 100

74 23.0 17.8 26.8



#20

Methylene Chloride

Concen: 5.221 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

Tgt Ion: 84 Resp: 8660

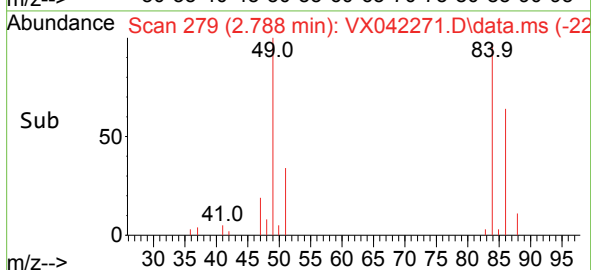
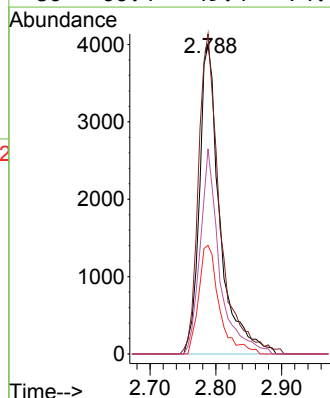
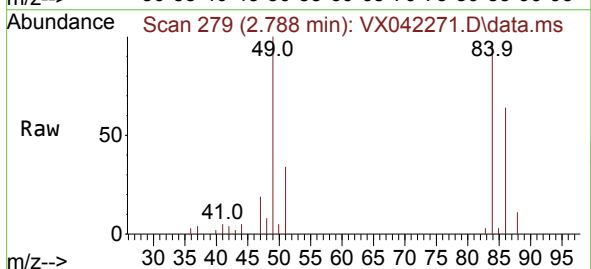
Ion Ratio Lower Upper

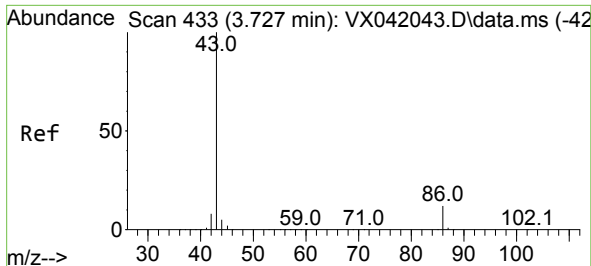
84 100

49 103.6 103.6 155.4

51 35.1 33.8 50.6

86 66.4 49.4 74.0

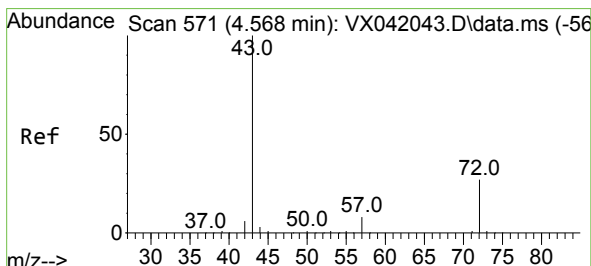
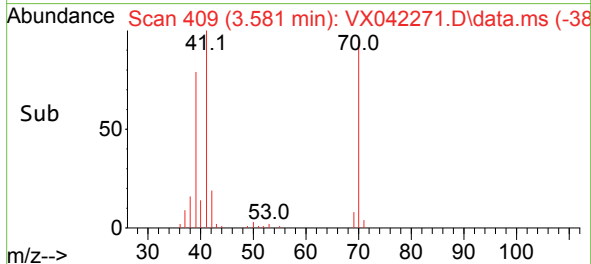
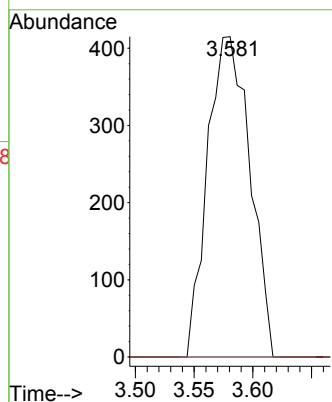
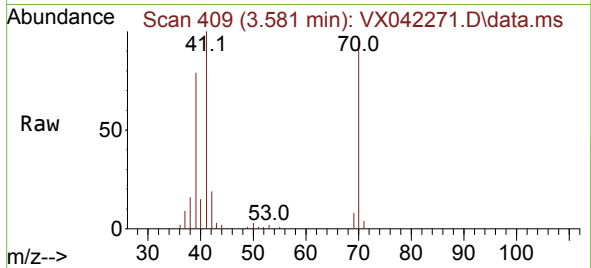




#23
 Vinyl Acetate
 Concen: 0.282 ug/l
 RT: 3.581 min Scan# 409
 Delta R.T. -0.146 min
 Lab File: VX042271.D
 Acq: 10 Jul 2024 16:43

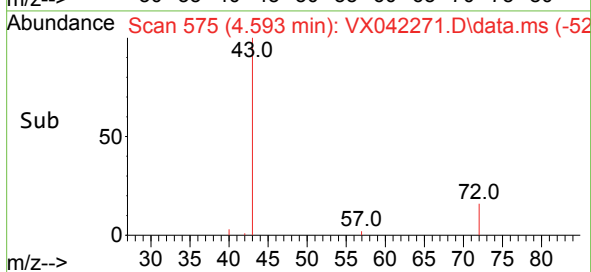
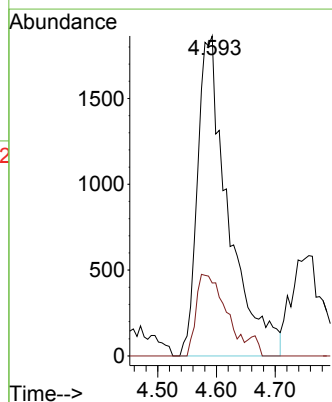
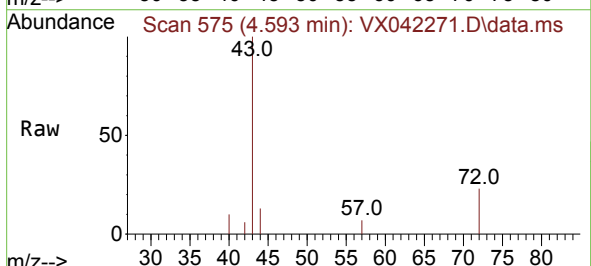
Instrument :
 MSVOA_X
 ClientSampleId :

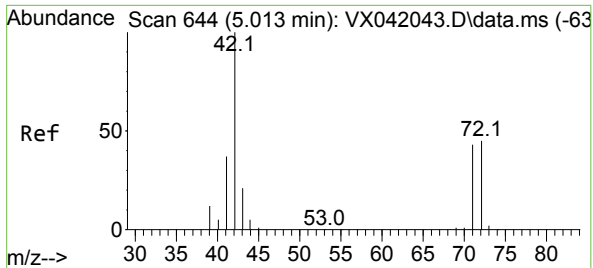
Tgt Ion: 43 Resp: 1041
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 5.771 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.018 min
 Lab File: VX042271.D
 Acq: 10 Jul 2024 16:43

Tgt Ion: 43 Resp: 6801
 Ion Ratio Lower Upper
 43 100
 72 22.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.043 min

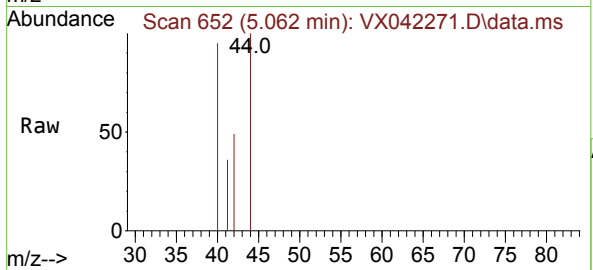
Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

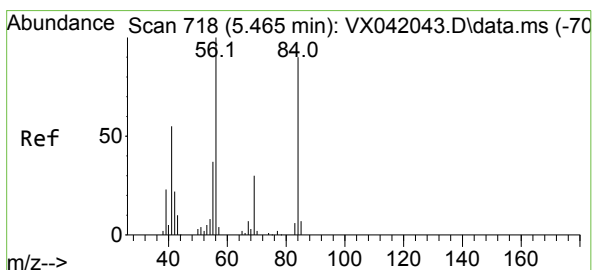
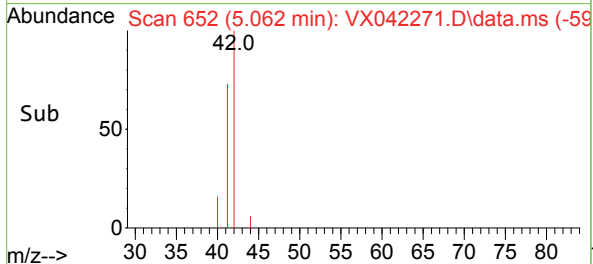
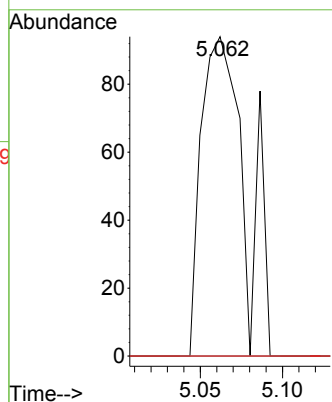
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	174
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 0.999 ug/l

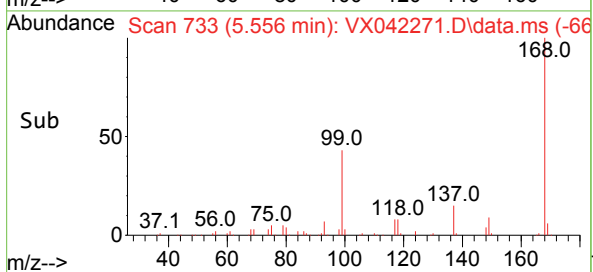
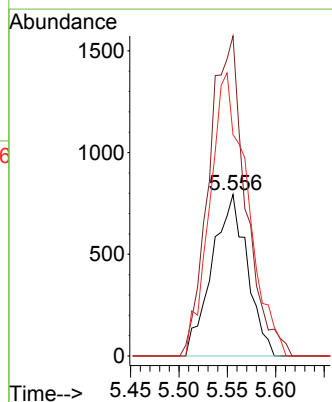
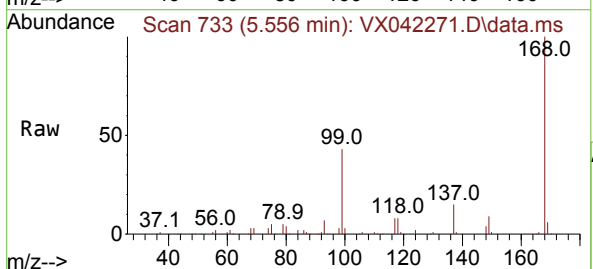
RT: 5.556 min Scan# 733

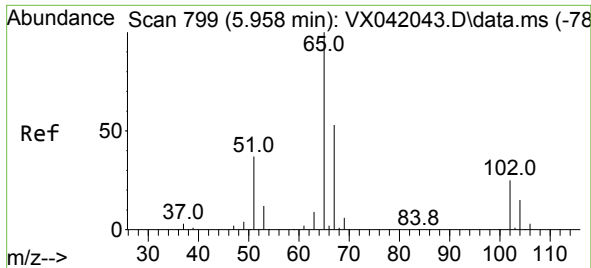
Delta R.T. 0.091 min

Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

Tgt Ion:	56	Resp:	2015
Ion Ratio	Lower	Upper	
56	100		
69	198.1	23.4	35.2#
84	137.0	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 62.668 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

Instrument :

MSVOA_X

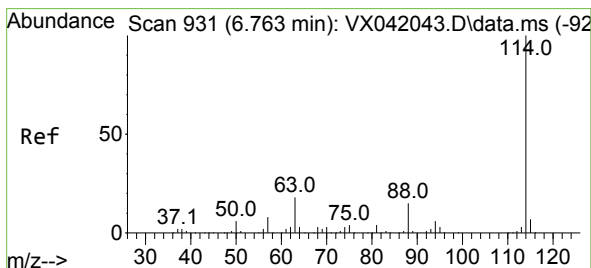
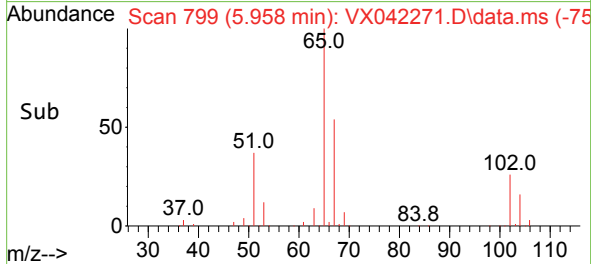
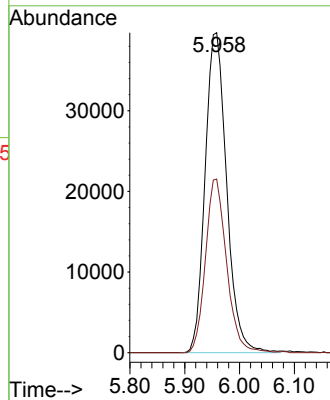
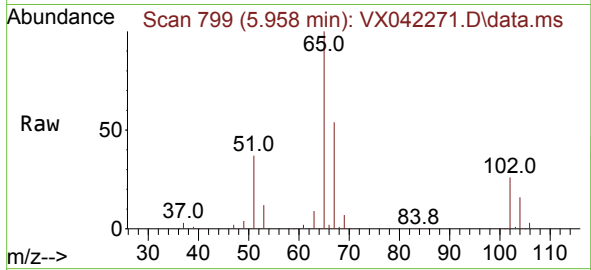
ClientSampleId :

Tgt Ion: 65 Resp: 108105

Ion Ratio Lower Upper

65 100

67 53.2 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: VX042271.D

Acq: 10 Jul 2024 16:43

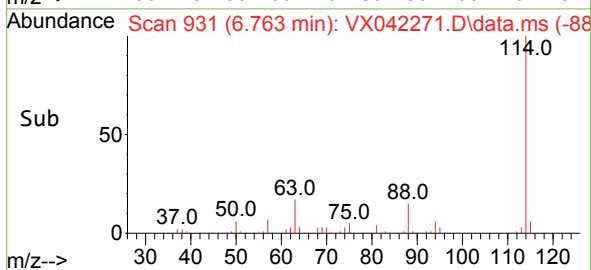
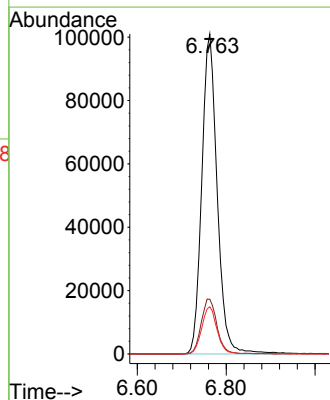
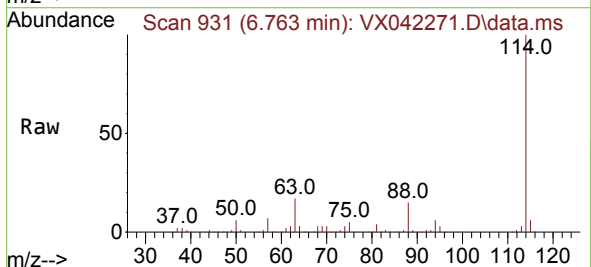
Tgt Ion: 114 Resp: 243565

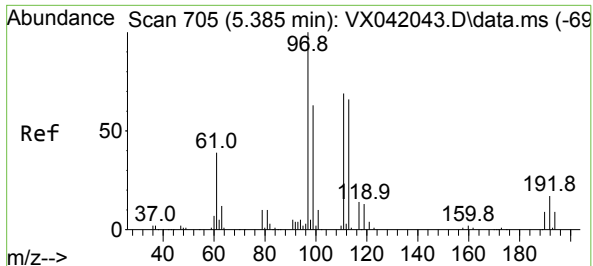
Ion Ratio Lower Upper

114 100

63 17.1 0.0 45.0

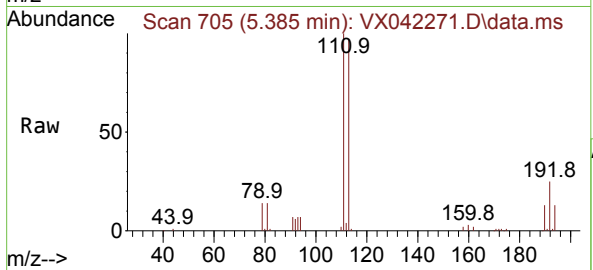
88 14.8 0.0 36.6



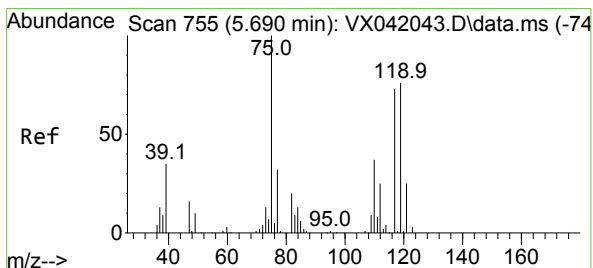
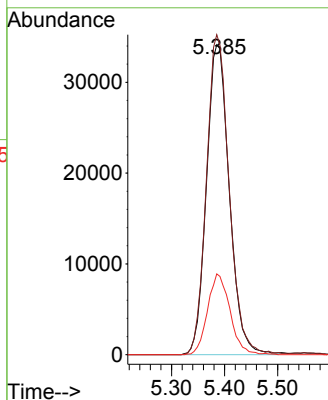
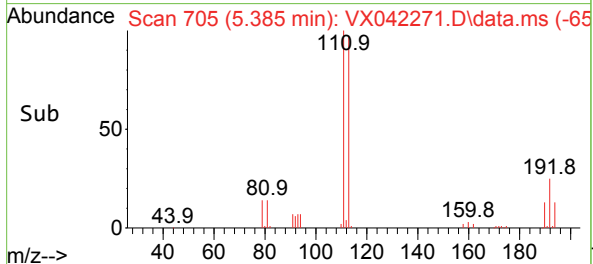


#35
Dibromofluoromethane
Concen: 59.183 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Instrument :
MSVOA_X
ClientSampleId :

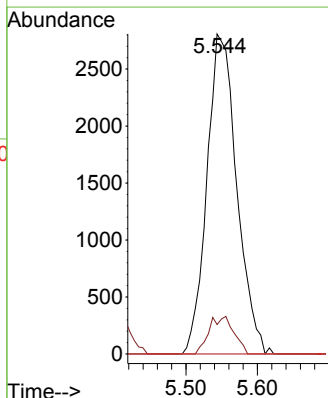
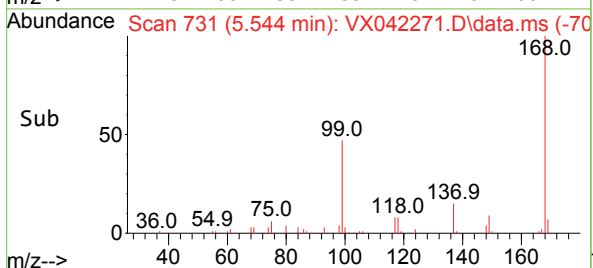
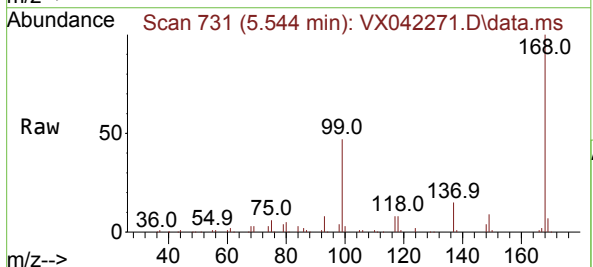


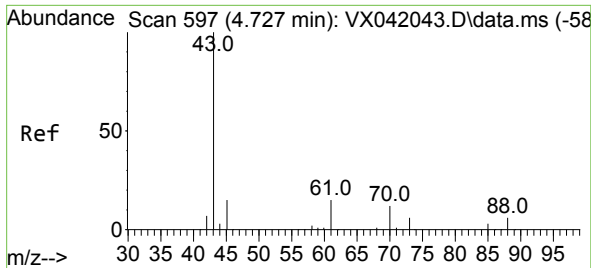
Tgt Ion:113 Resp: 102282
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 25.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 75 Resp: 8151
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.981 ug/l

RT: 4.757 min Scan# 60

Delta R.T. 0.030 min

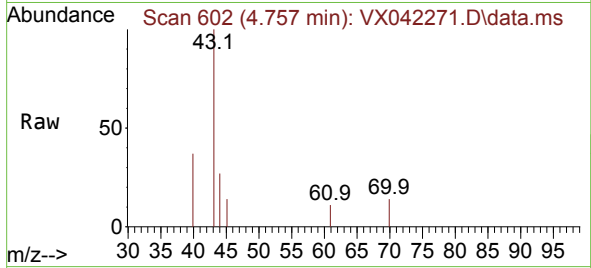
Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

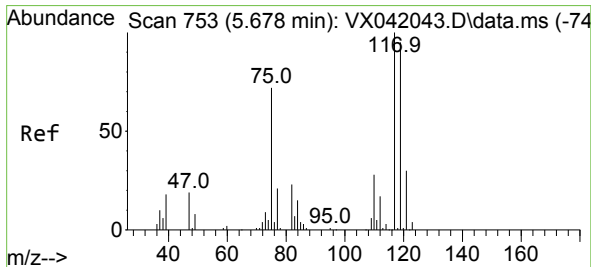
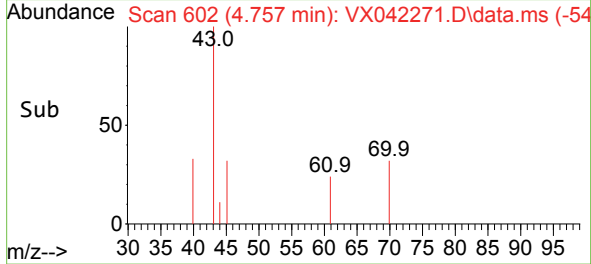
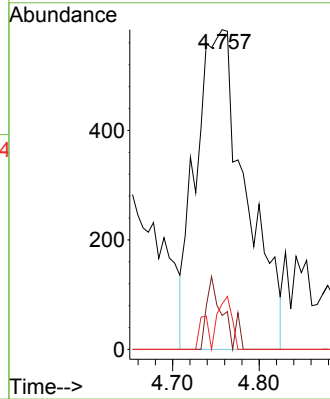
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2345
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	4.6 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.030 ug/l

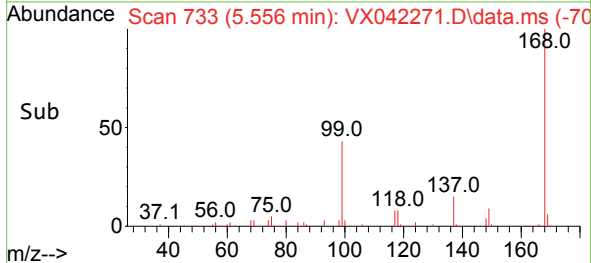
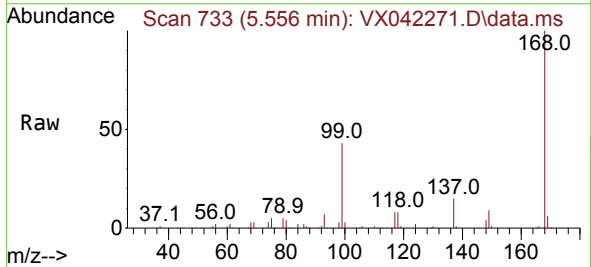
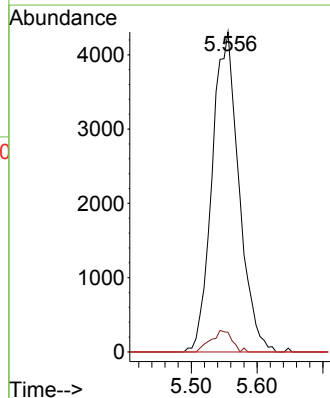
RT: 5.556 min Scan# 733

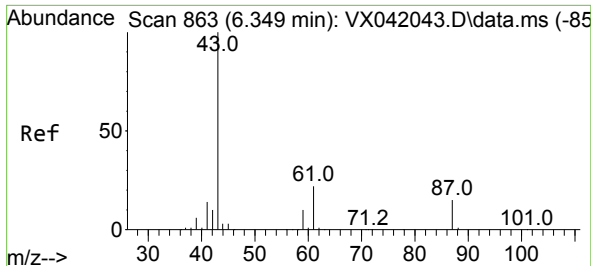
Delta R.T. -0.122 min

Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

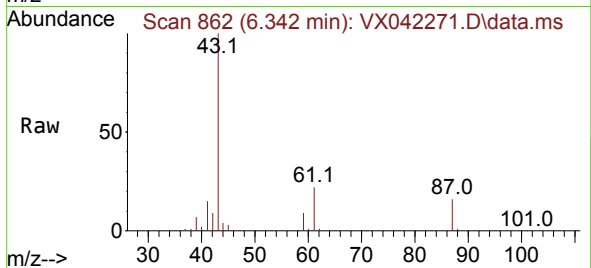
Tgt Ion: 117	Resp: 12226
Ion Ratio	Lower Upper
117	100
119	6.2 78.2 117.2#
121	0.0 24.4 36.6#



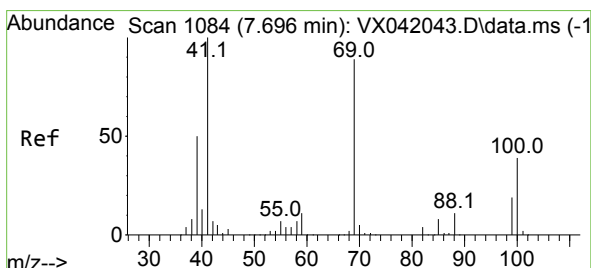
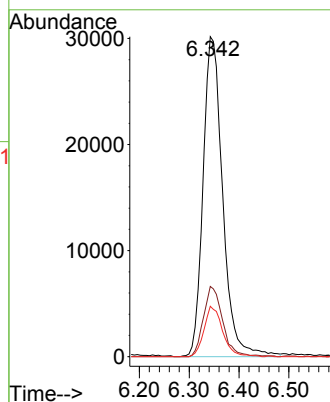
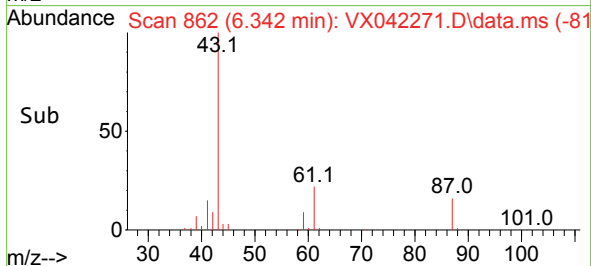


#43
Isopropyl Acetate
Concen: 22.507 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Instrument :
MSVOA_X
ClientSampleId :

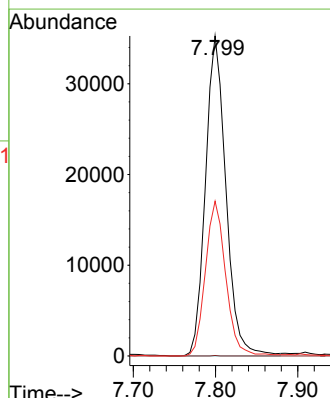
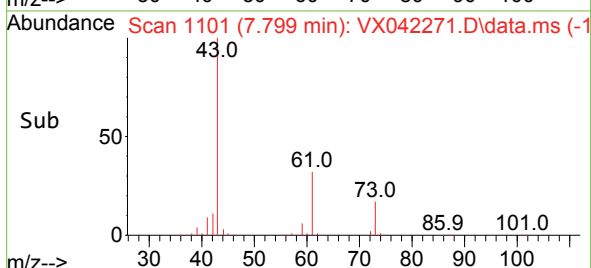
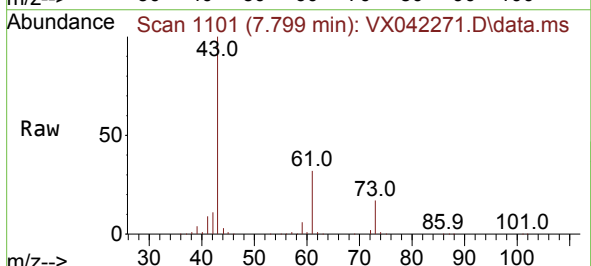


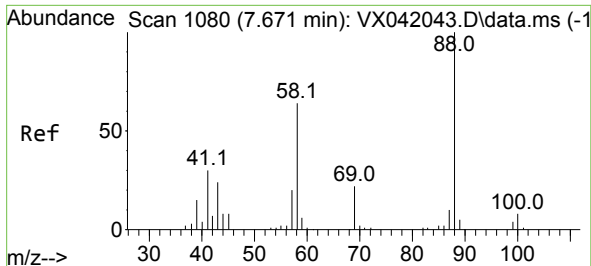
Tgt Ion: 43 Resp: 82590
Ion Ratio Lower Upper
43 100
61 21.5 15.2 22.8
87 14.9 9.8 14.6#



#48
Methyl methacrylate
Concen: 34.810 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 41 Resp: 60961
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 48.2 47.7 71.5

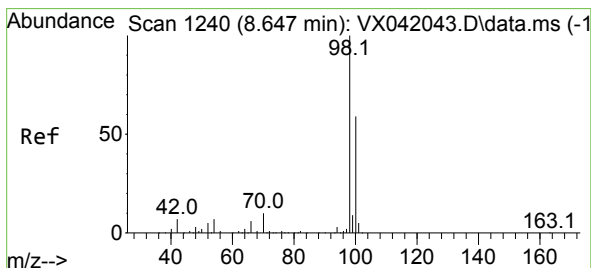
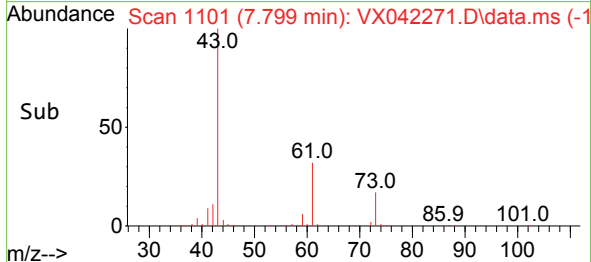
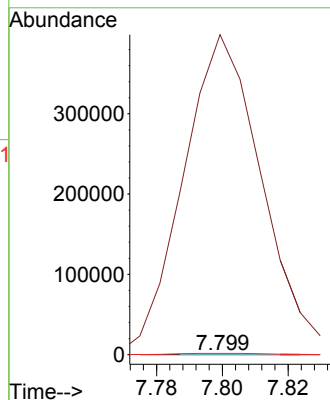
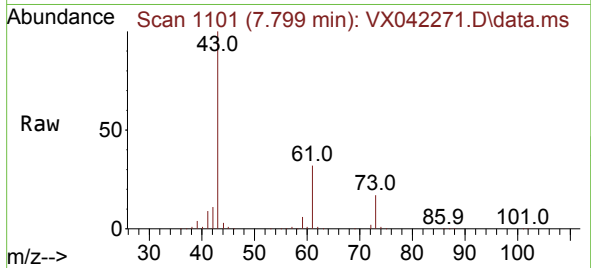




#49
1,4-Dioxane
Concen: 20.862 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

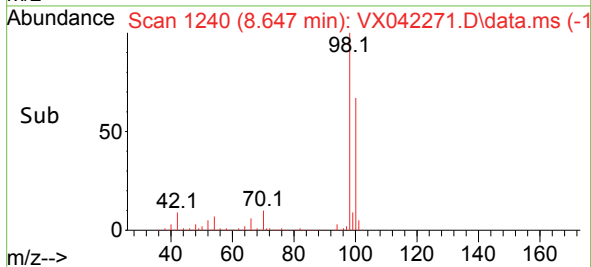
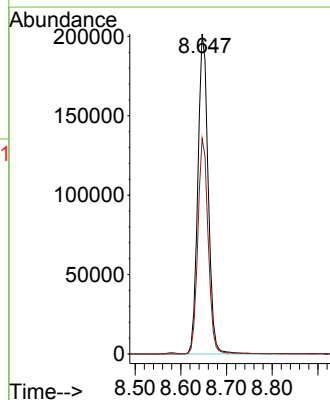
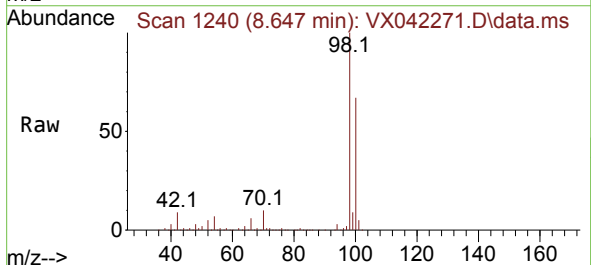
Instrument :
MSVOA_X
ClientSampleId :

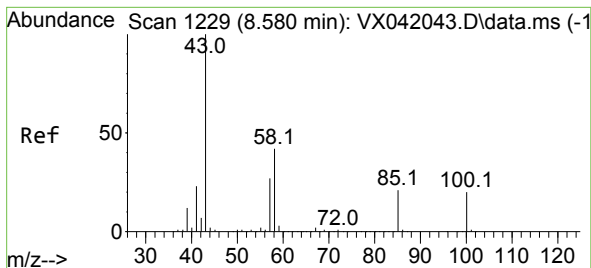
Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 1544184.1 0.0 0.0#
58 7934.1 60.1 90.1#



#50
Toluene-d8
Concen: 52.050 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 98 Resp: 316012
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7

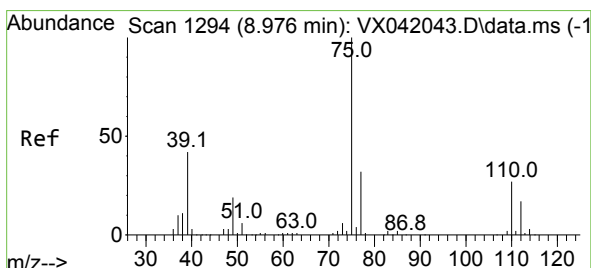
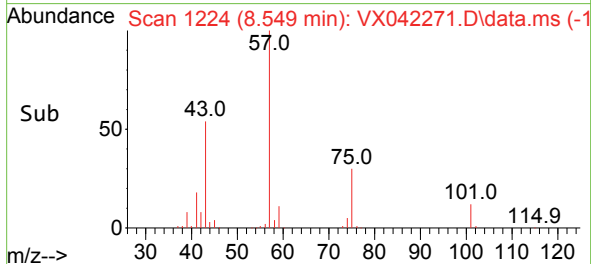
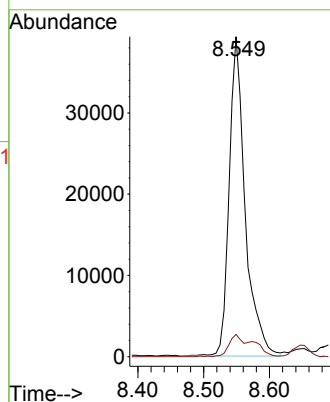
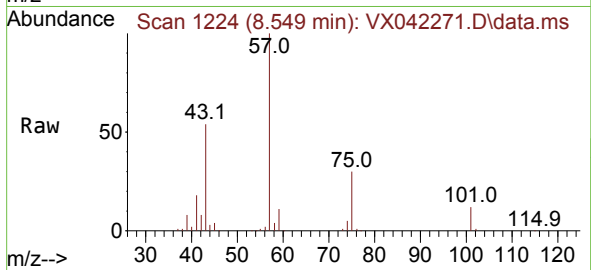




#51
4-Methyl-2-Pentanone
Concen: 26.269 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

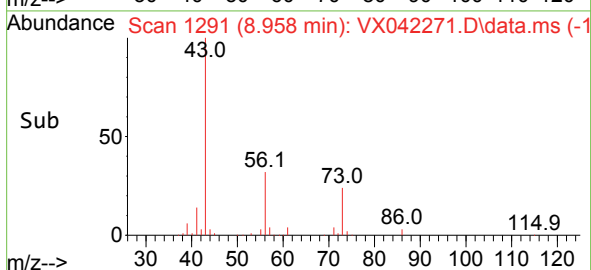
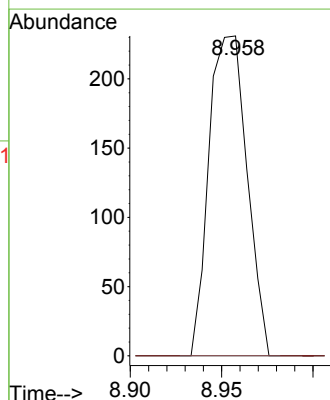
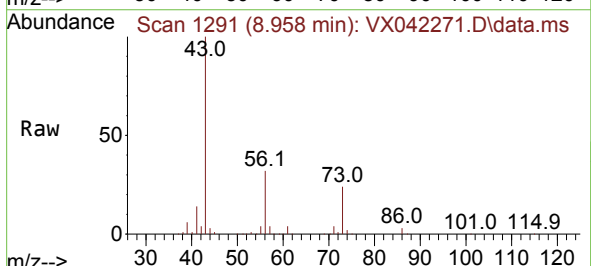
Instrument :
MSVOA_X
ClientSampleId :

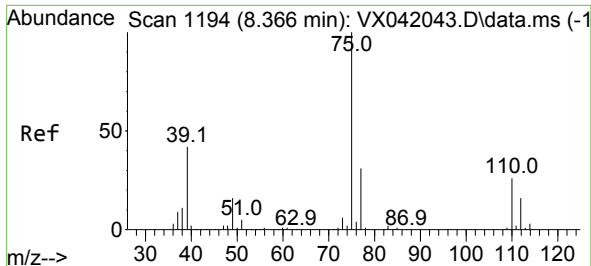
Tgt Ion: 43 Resp: 66401
Ion Ratio Lower Upper
43 100
58 6.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.048 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 75 Resp: 335
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

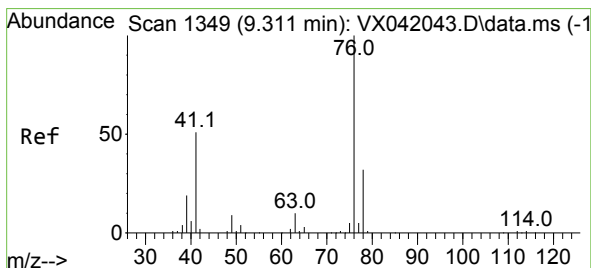
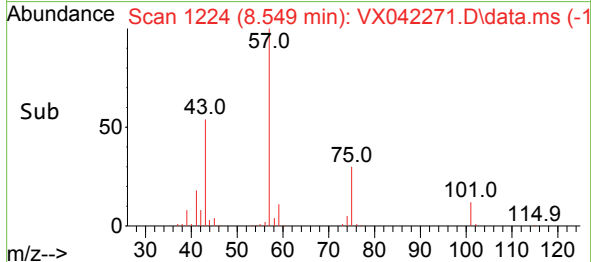
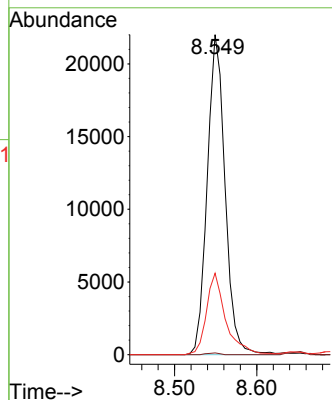
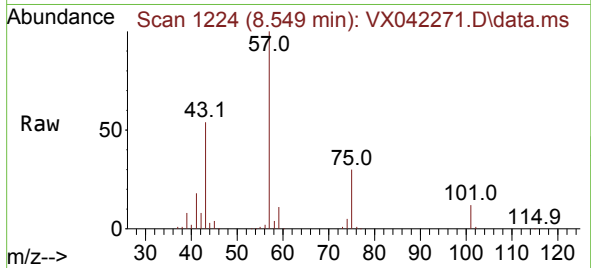




#54
cis-1,3-Dichloropropene
Concen: 14.892 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

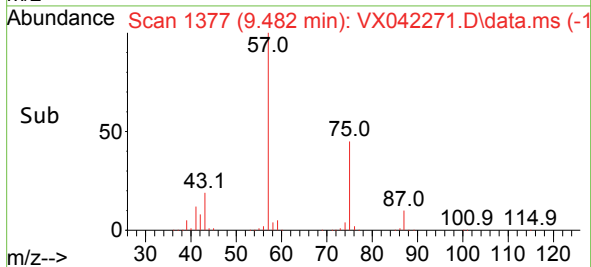
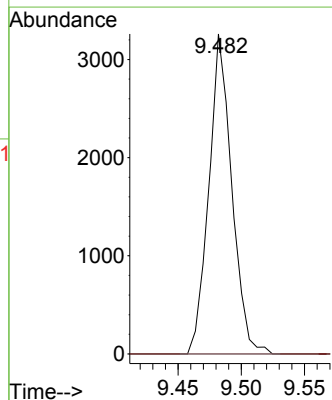
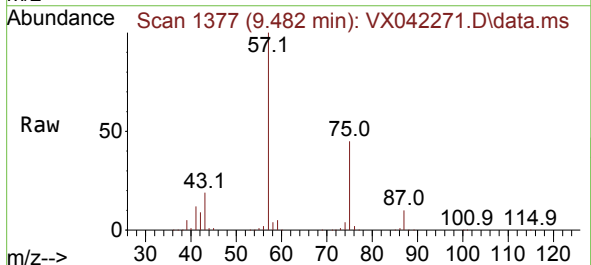
Instrument :
MSVOA_X
ClientSampleId :

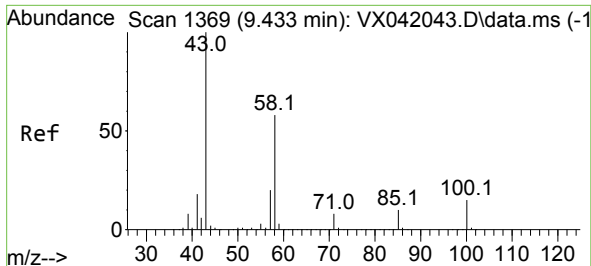
Tgt Ion: 75 Resp: 33193
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 25.4 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.548 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

Tgt Ion: 76 Resp: 4106
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

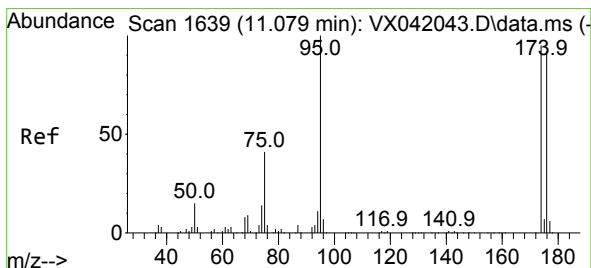
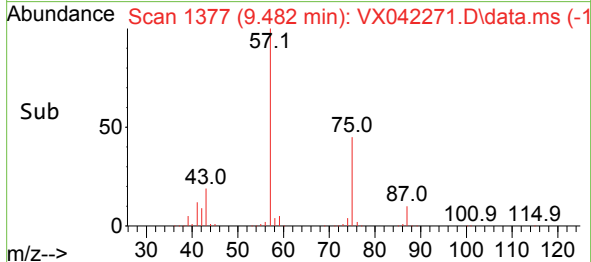
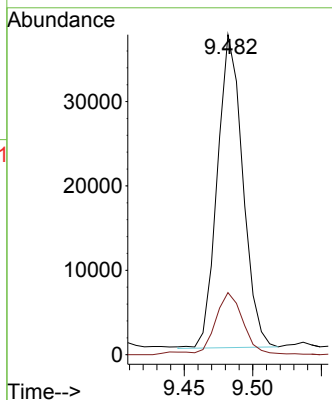
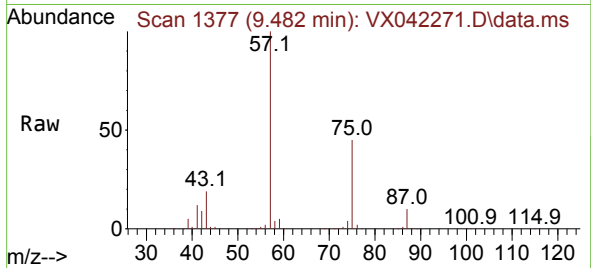




#59
2-Hexanone
Concen: 24.716 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

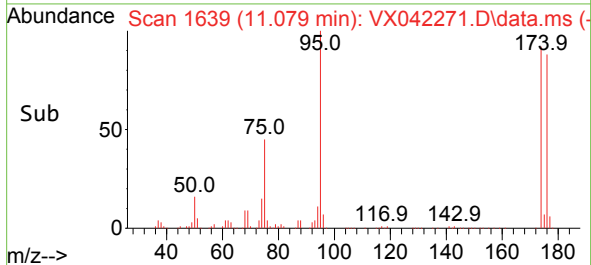
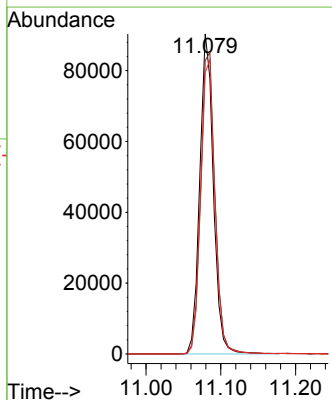
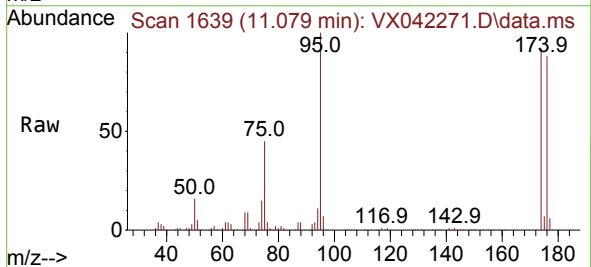
Instrument :
MSVOA_X
ClientSampleId :

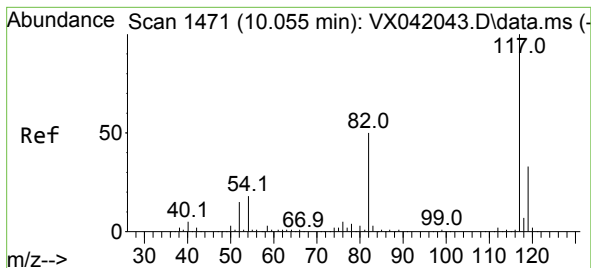
Tgt Ion: 43 Resp: 47851
Ion Ratio Lower Upper
43 100
58 22.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

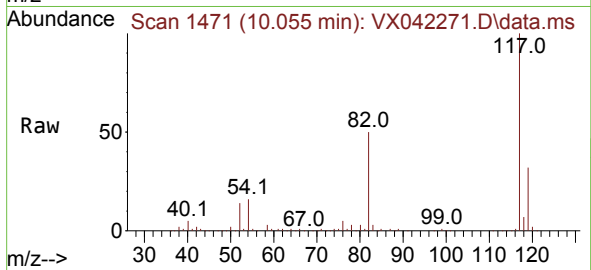
Tgt Ion: 95 Resp: 114319
Ion Ratio Lower Upper
95 100
174 99.7 0.0 135.6
176 96.0 0.0 131.0



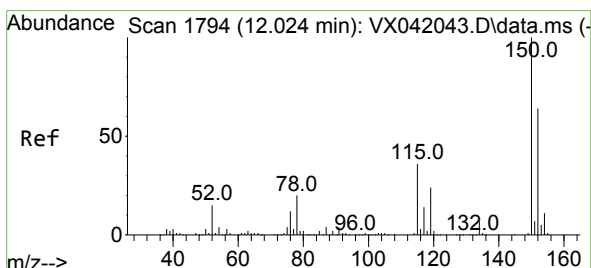
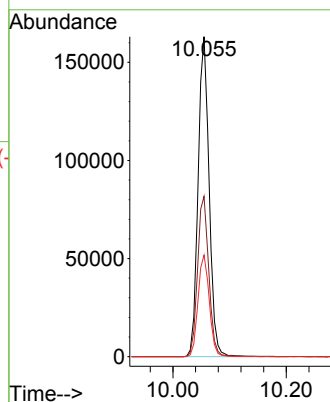
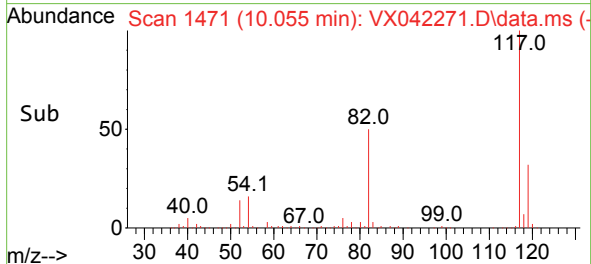


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

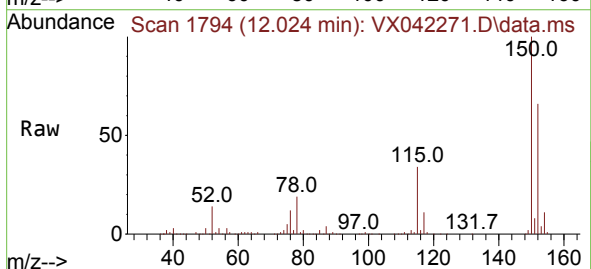
Instrument :
MSVOA_X
ClientSampleId :



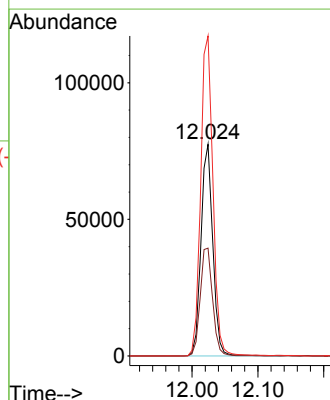
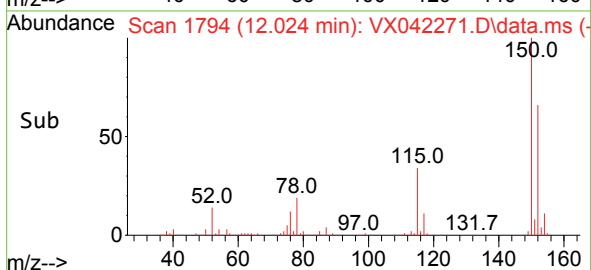
Tgt Ion:117 Resp: 219856
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 31.8 25.5 38.3

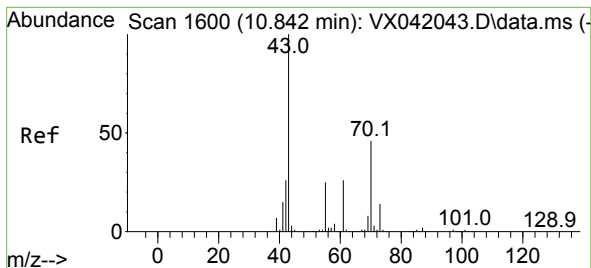


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43



Tgt Ion:152 Resp: 96619
Ion Ratio Lower Upper
152 100
115 53.6 43.3 129.9
150 157.0 0.0 345.0





#74

N-amy1 acetate

Concen: 0.208 ug/l

RT: 10.969 min Scan# 1621

Delta R.T. 0.128 min

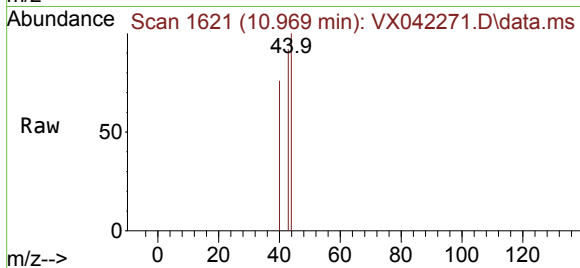
Lab File: VX042271.D

Acq: 10 Jul 2024 16:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 542

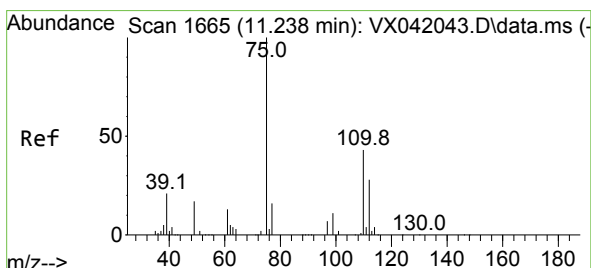
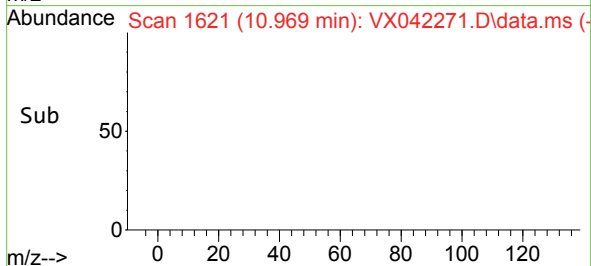
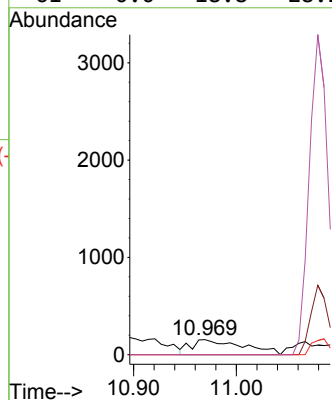
Ion Ratio Lower Upper

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: 29.455 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042271.D

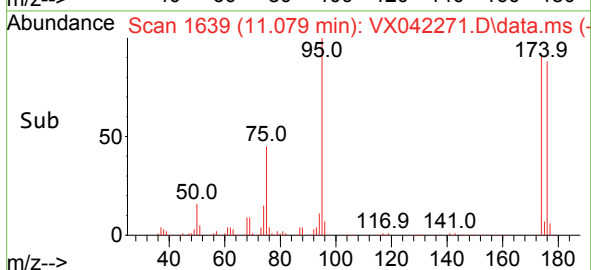
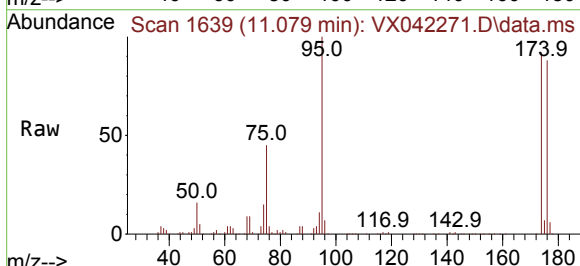
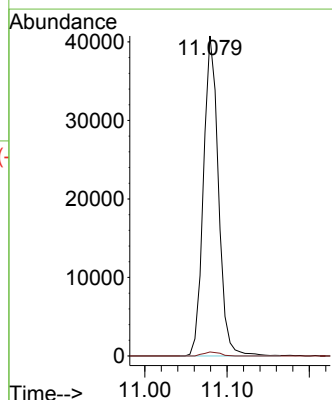
Acq: 10 Jul 2024 16:43

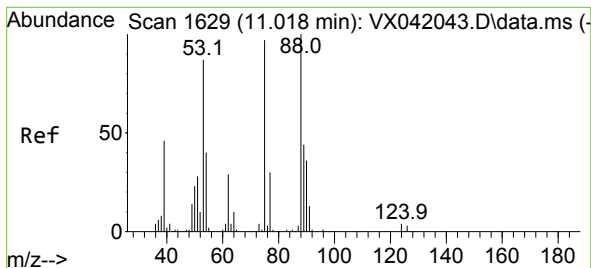
Tgt Ion: 75 Resp: 51665

Ion Ratio Lower Upper

75 100

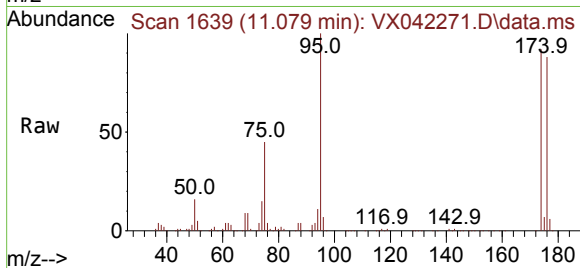
77 1.4 19.1 57.5#



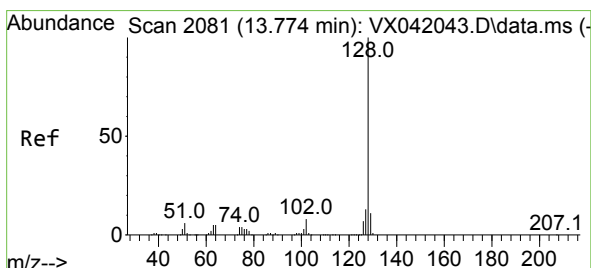
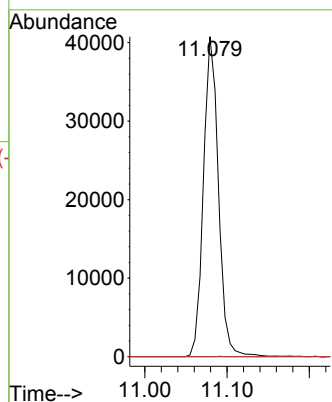
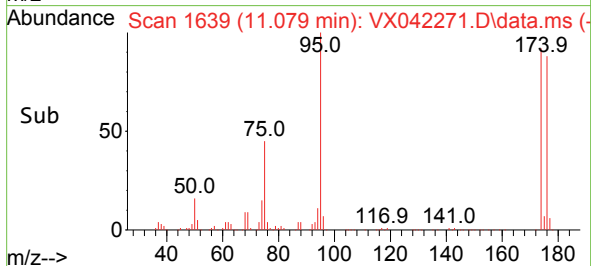


#81
trans-1,4-Dichloro-2-butene
Concen: 83.650 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43

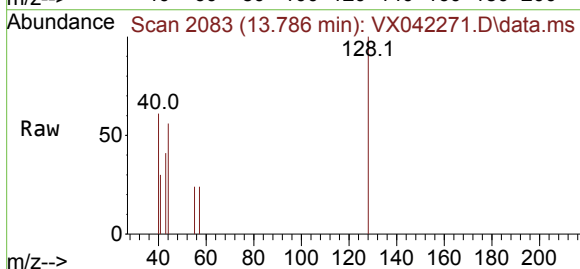
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 51665
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.790 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042271.D
Acq: 10 Jul 2024 16:43



Tgt Ion: 128 Resp: 299
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

