

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030260.D
 Acq On : 28 Jul 2022 03:10
 Operator : JC/MD
 Sample : N3888-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-2ND-TP

Quant Time: Jul 28 05:57:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

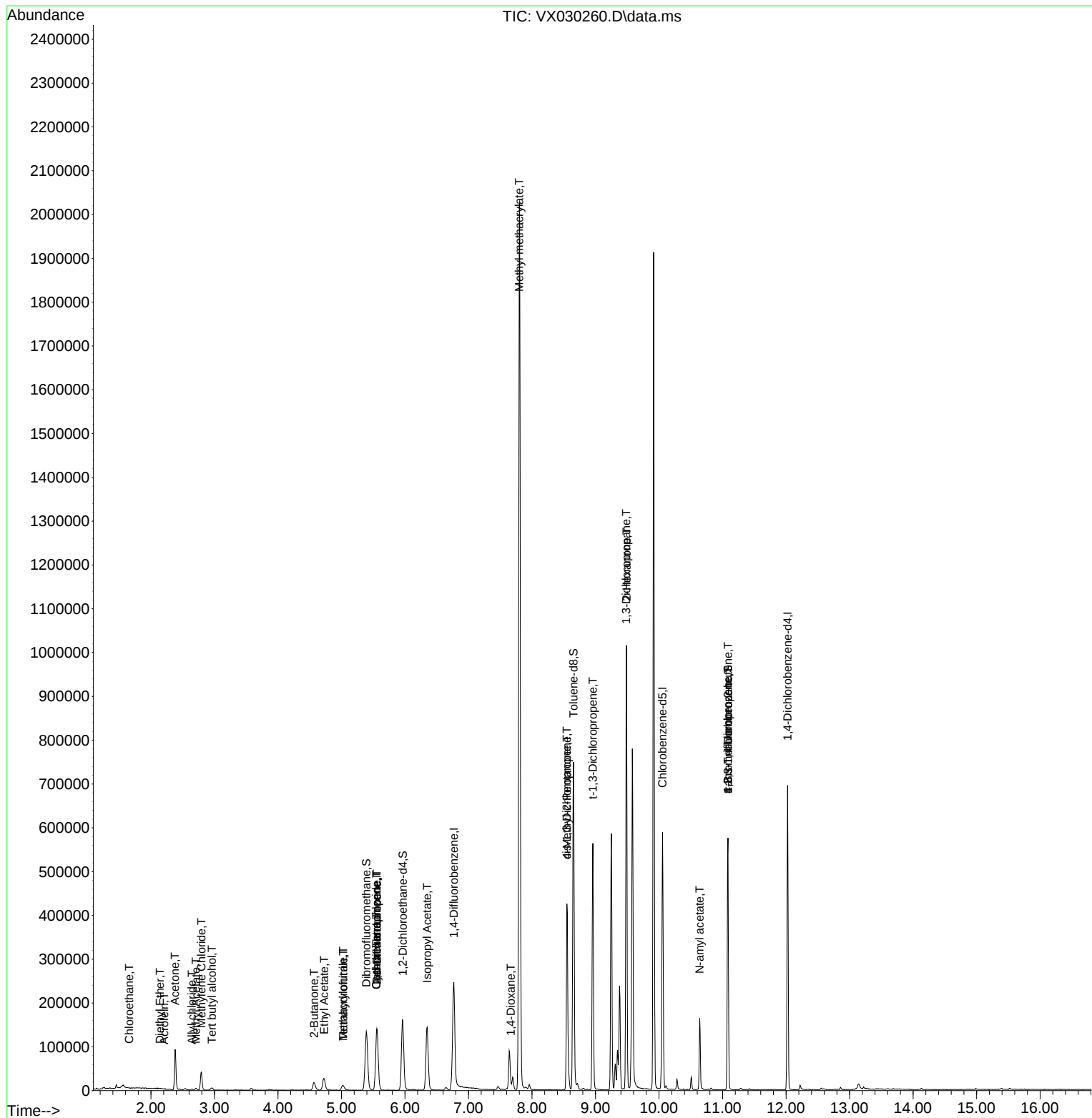
Internal Standards						
1) Pentafluorobenzene	5.556	168	130441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239787	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147785	56.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.740%			
35) Dibromofluoromethane	5.391	113	119385	52.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	8.653	98	440952	49.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.340%			
62) 4-Bromofluorobenzene	11.085	95	155953	47.337	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.680%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	217	Below Cal	#	73
6) Chloroethane	1.654	64	300	0.245	ug/l #	74
8) Diethyl Ether	2.142	74	274	0.249	ug/l	82
11) Tert butyl alcohol	2.959	59	4937	7.720	ug/l #	91
13) Acrolein	2.209	56	42	0.267	ug/l #	36
14) Allyl chloride	2.642	41	2135	0.508	ug/l #	42
16) Acetone	2.380	43	96282	71.730	ug/l	95
18) Methyl Acetate	2.709	43	4723	1.190	ug/l	99
20) Methylene Chloride	2.794	84	19131	6.088	ug/l	94
25) 2-Butanone	4.568	43	31032	13.758	ug/l	93
29) Tetrahydrofuran	5.025	42	11433	7.533	ug/l	93
31) Cyclohexane	5.550	56	3327	0.874	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10963	3.323	ug/l #	48
37) Ethyl Acetate	4.727	43	49161	10.524	ug/l	98
38) Carbon Tetrachloride	5.550	117	13744	4.463	ug/l #	18
41) Methacrylonitrile	5.025	41	6467	2.583	ug/l #	44
43) Isopropyl Acetate	6.348	43	200758	29.316	ug/l	97
48) Methyl methacrylate	7.799	41	176537	52.374	ug/l #	40
49) 1,4-Dioxane	7.665	88	415	5.331	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	154976	33.334	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	1171	0.317	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	66201	16.468	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	8318	1.869	ug/l #	42
59) 2-Hexanone	9.488	43	123096	33.560	ug/l #	50
67) Ethyl Benzene	10.195	91	405	Below Cal	#	86
74) N-amyl acetate	10.640	43	41232	8.129	ug/l #	54
76) 1,2,3-Trichloropropane	11.085	75	78316	22.225	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	78316	66.673	ug/l #	13

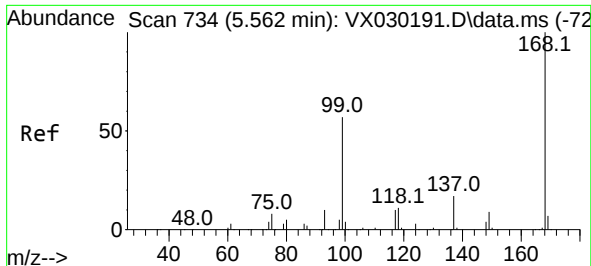
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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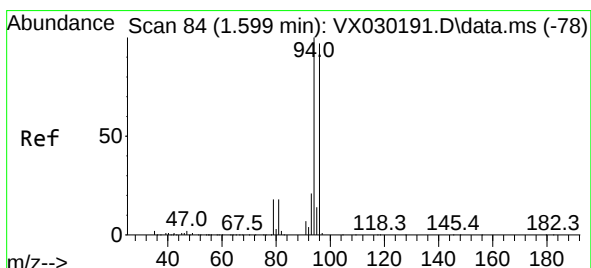
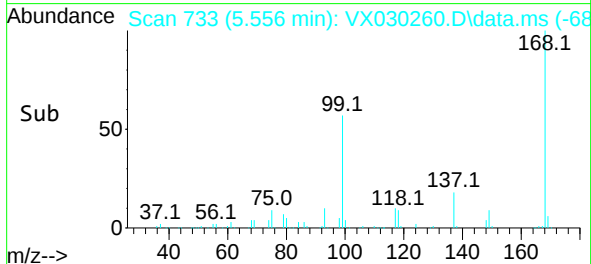
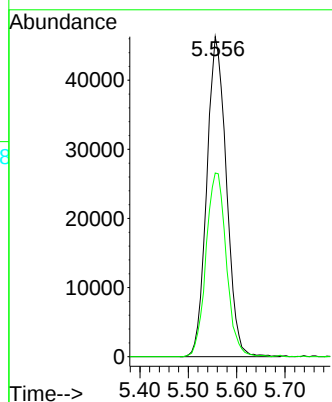
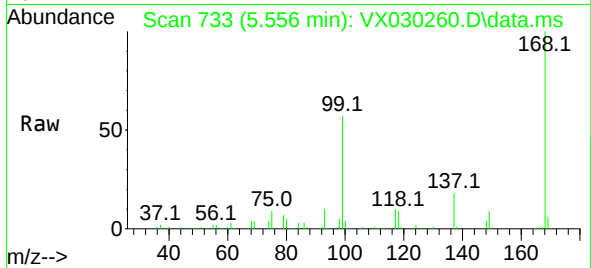




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

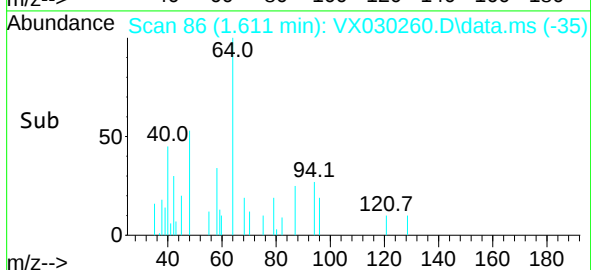
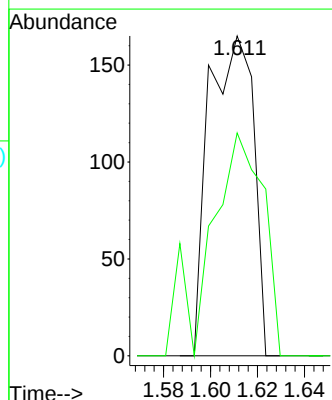
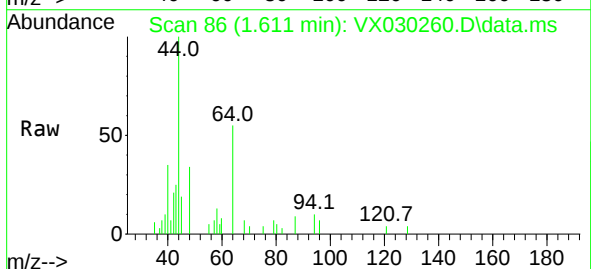
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

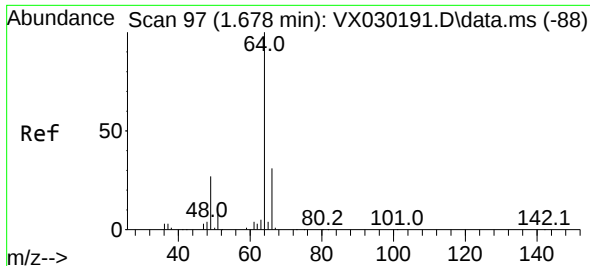
Tgt Ion:168 Resp: 130441
Ion Ratio Lower Upper
168 100
99 57.4 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 69.7 76.9 115.3#

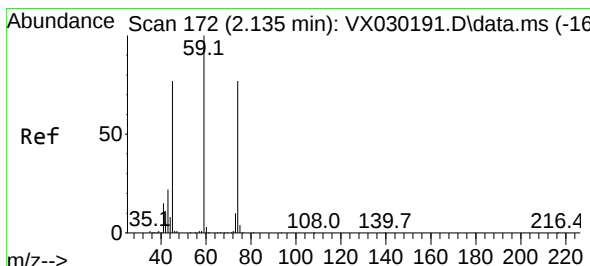
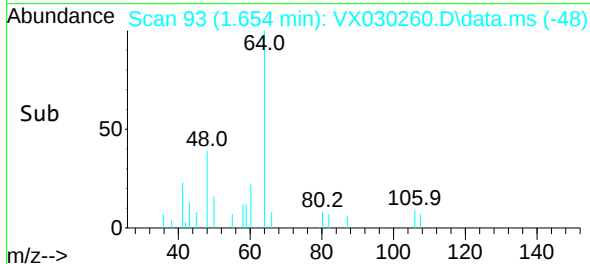
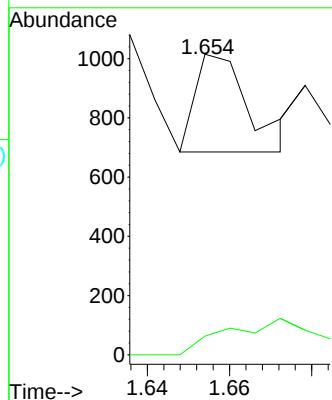
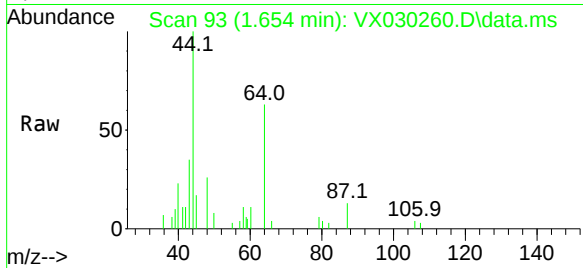




#6
Chloroethane
Concen: 0.245 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

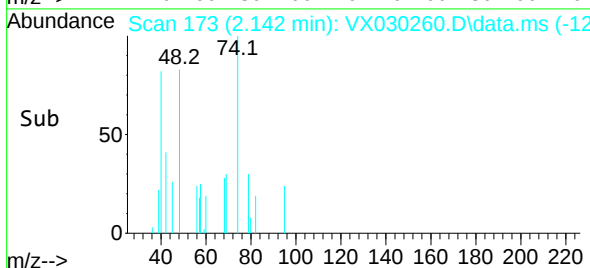
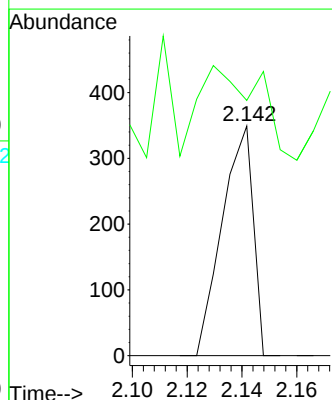
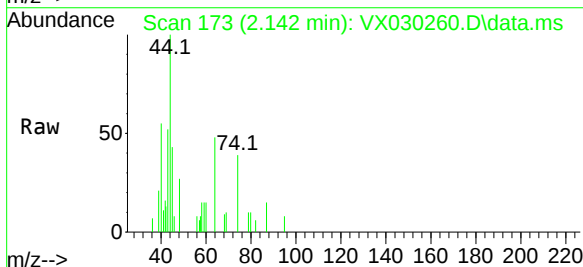
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

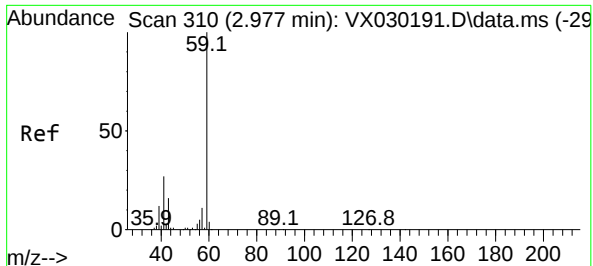
Tgt Ion: 64 Resp: 300
Ion Ratio Lower Upper
64 100
66 19.1 27.2 40.8#



#8
Diethyl Ether
Concen: 0.249 ug/l
RT: 2.142 min Scan# 173
Delta R.T. 0.007 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 74 Resp: 274
Ion Ratio Lower Upper
74 100
45 121.5 51.5 154.7





#11

Tert butyl alcohol

Concen: 7.720 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX030260.D

Acq: 28 Jul 2022 03:10

Instrument :

MSVOA_X

ClientSampleId :

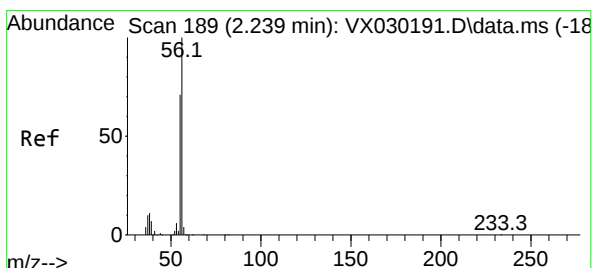
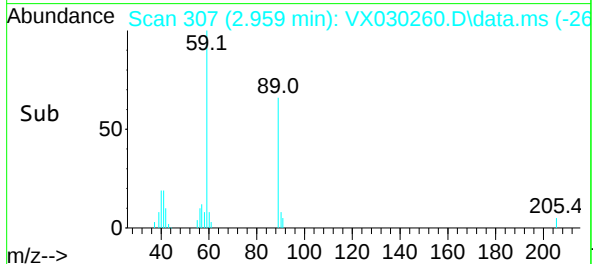
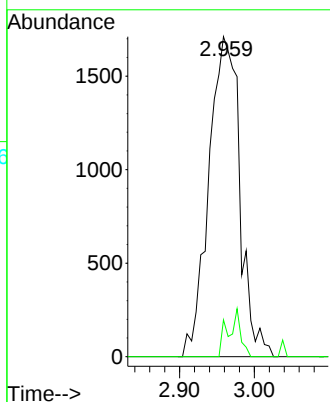
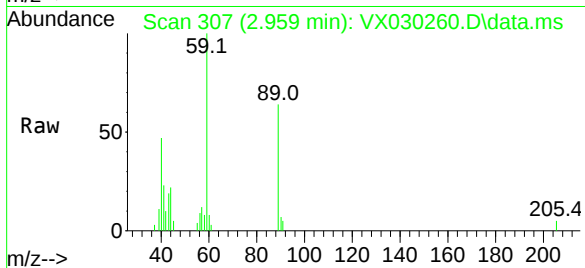
S-2ND-TP

Tgt Ion: 59 Resp: 4937

Ion Ratio Lower Upper

59 100

57 6.0 7.4 11.2#



#13

Acrolein

Concen: 0.267 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.030 min

Lab File: VX030260.D

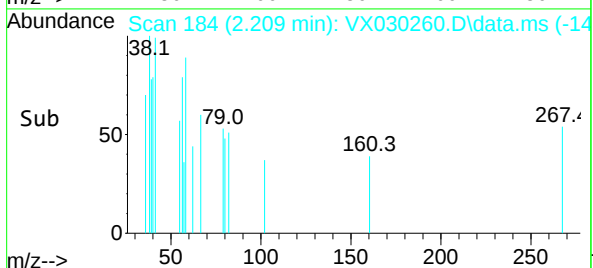
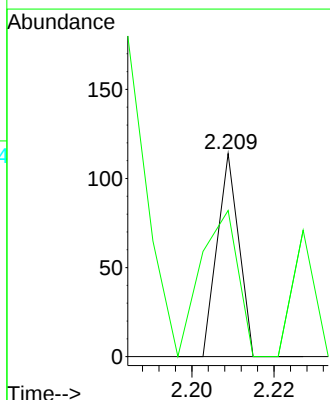
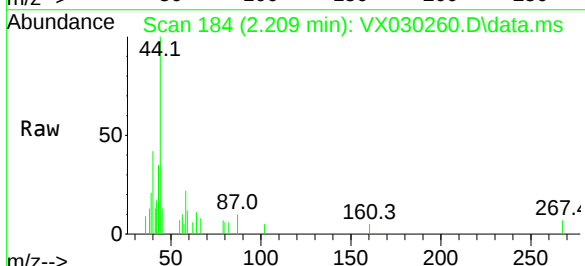
Acq: 28 Jul 2022 03:10

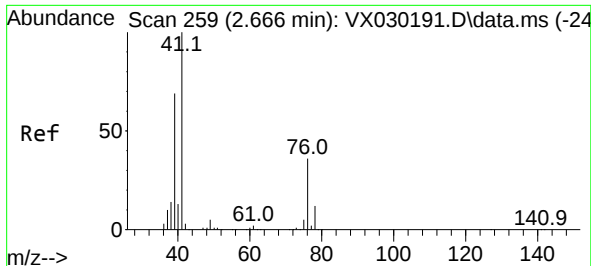
Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 123.8 56.6 84.8#

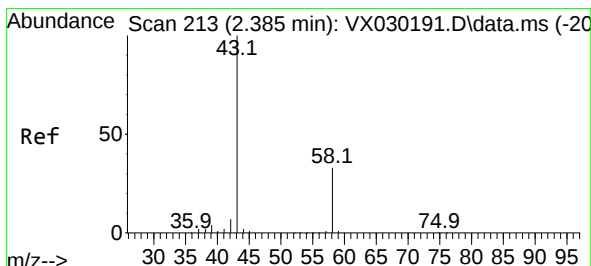
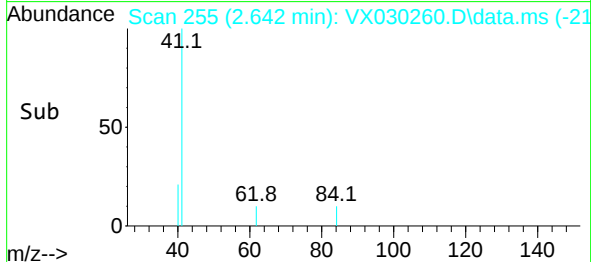
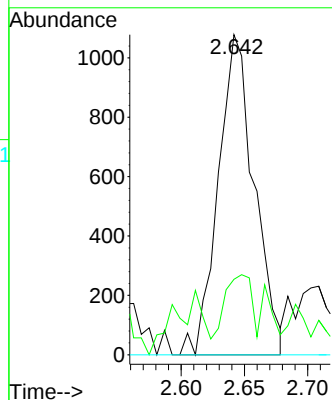
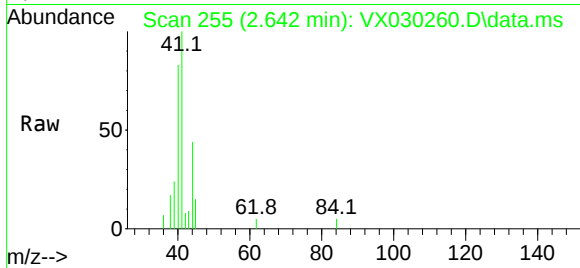




#14
 Allyl chloride
 Concen: 0.508 ug/l
 RT: 2.642 min Scan# 2135
 Delta R.T. -0.024 min
 Lab File: VX030260.D
 Acq: 28 Jul 2022 03:10

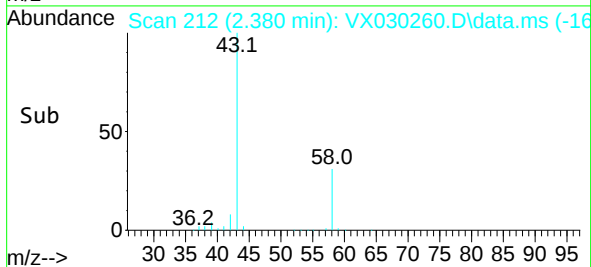
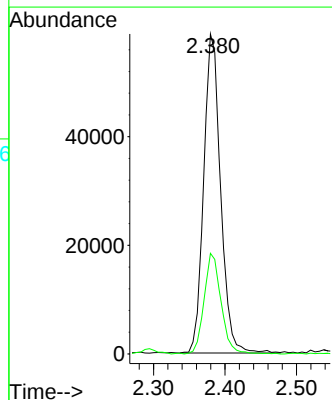
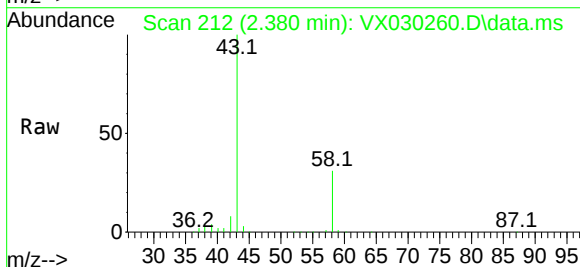
Instrument :
 MSVOA_X
 ClientSampleId :
 S-2ND-TP

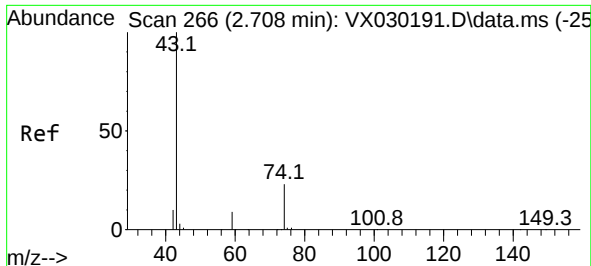
Tgt Ion	Ratio	Lower	Upper
41	100		
39	17.7	48.9	73.3#
76	0.0	26.9	40.3#



#16
 Acetone
 Concen: 71.730 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.005 min
 Lab File: VX030260.D
 Acq: 28 Jul 2022 03:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	27.7	41.5

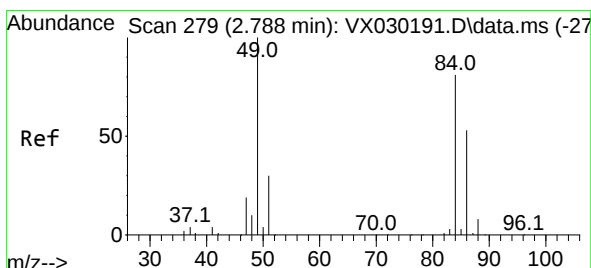
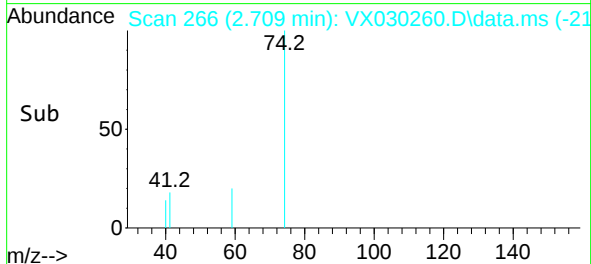
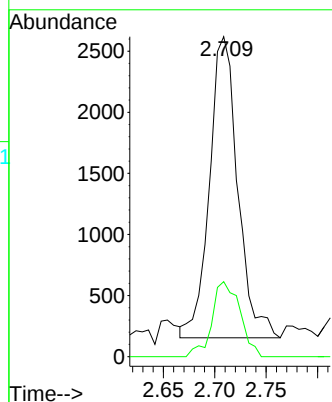
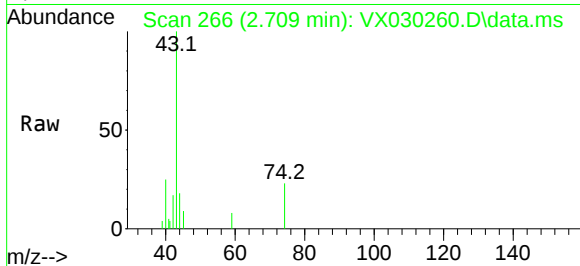




#18
Methyl Acetate
Concen: 1.190 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

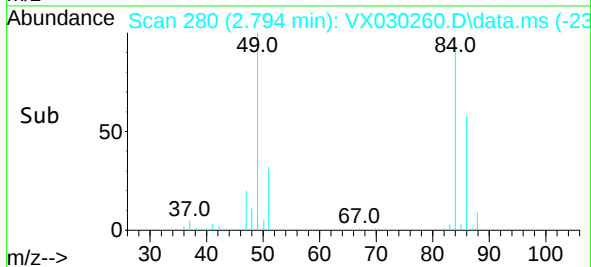
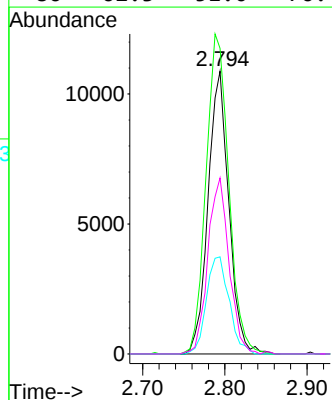
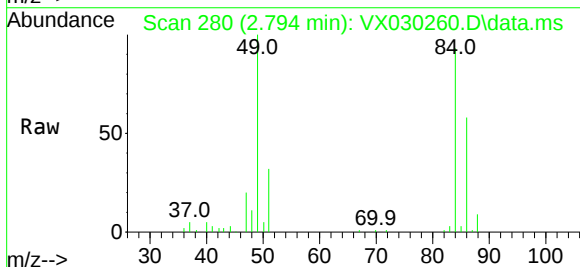
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

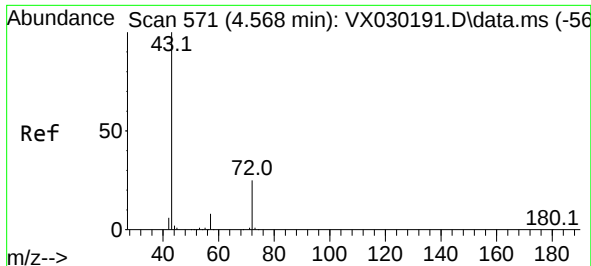
Tgt Ion: 43 Resp: 4723
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2



#20
Methylene Chloride
Concen: 6.088 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 84 Resp: 19131
Ion Ratio Lower Upper
84 100
49 108.1 93.8 140.6
51 34.3 29.4 44.0
86 62.3 51.0 76.4

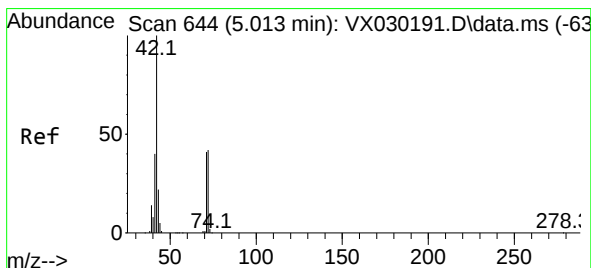
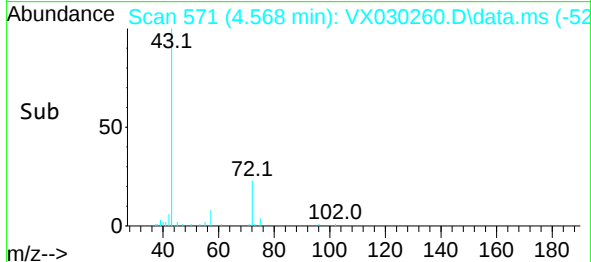
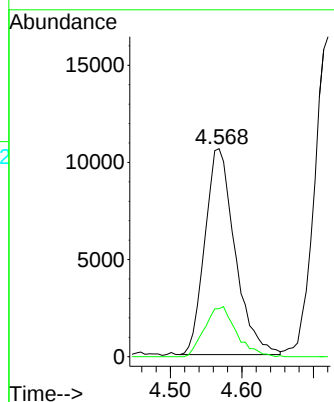
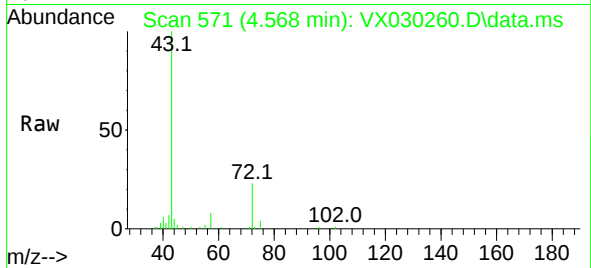




#25
2-Butanone
Concen: 13.758 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

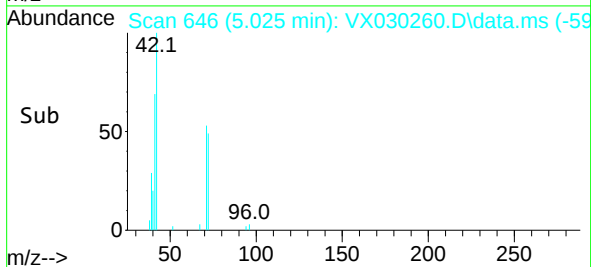
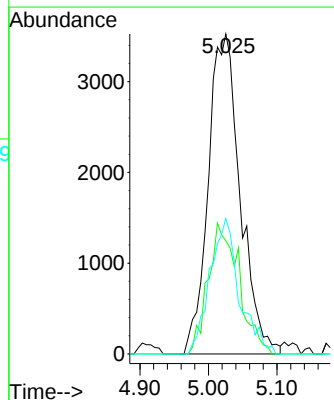
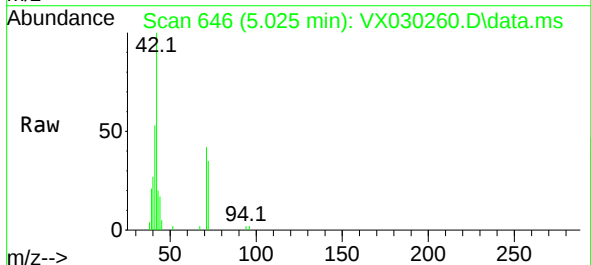
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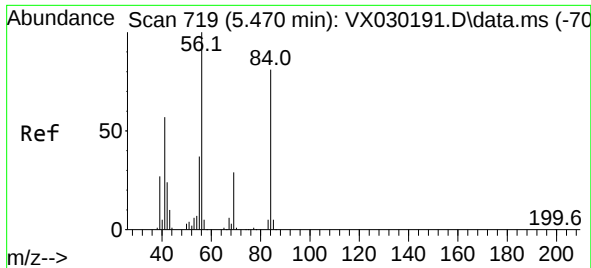
Tgt Ion: 43 Resp: 31032
Ion Ratio Lower Upper
43 100
72 23.3 21.7 32.5



#29
Tetrahydrofuran
Concen: 7.533 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 42 Resp: 11433
Ion Ratio Lower Upper
42 100
72 39.6 36.5 54.7
71 38.9 33.9 50.9

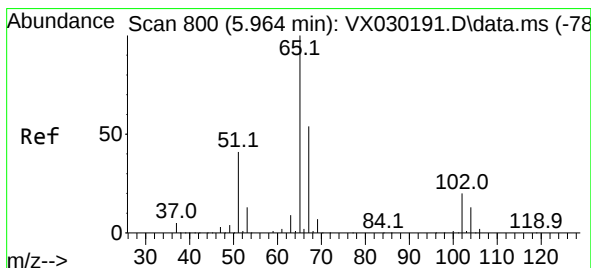
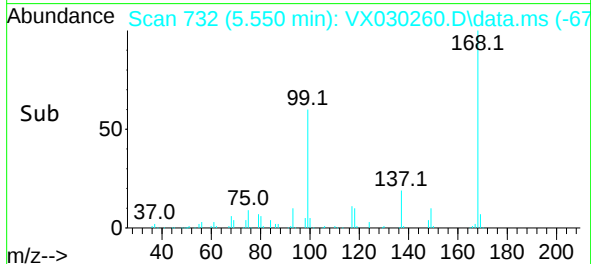
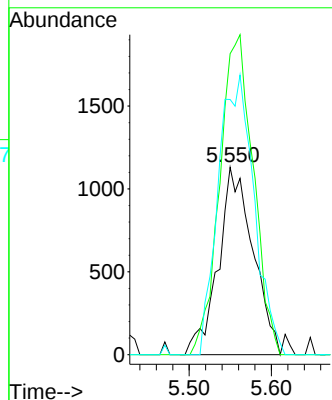
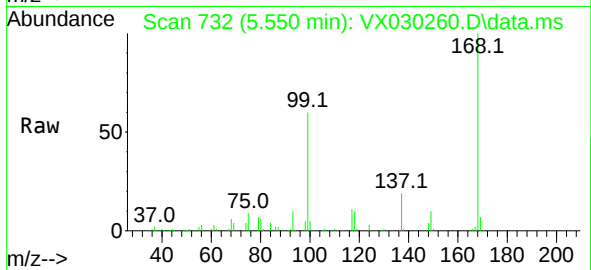




#31
Cyclohexane
Concen: 0.874 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

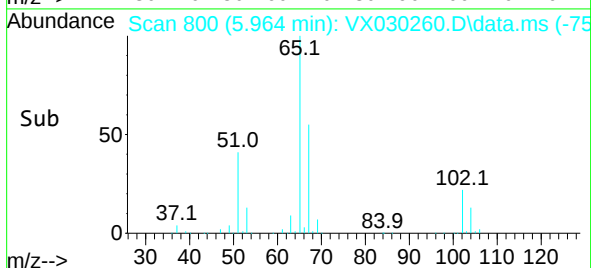
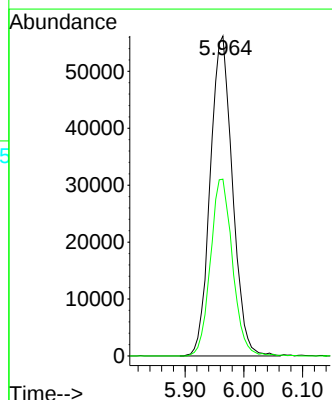
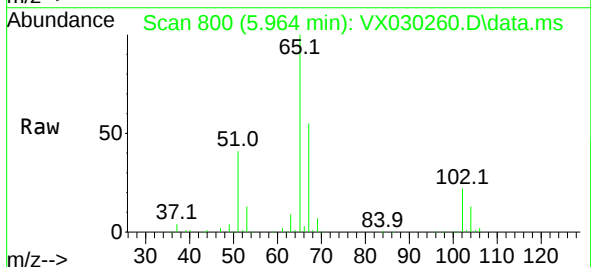
Instrument :
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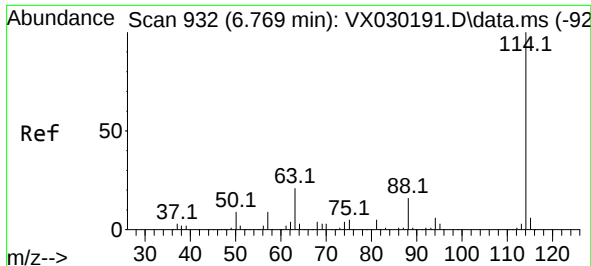
Tgt Ion: 56 Resp: 3327
Ion Ratio Lower Upper
56 100
69 160.6 25.4 38.0#
84 136.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 56.368 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 65 Resp: 147785
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.6

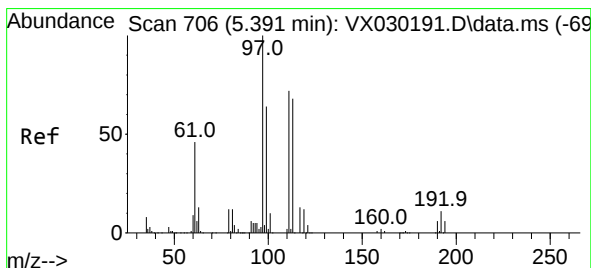
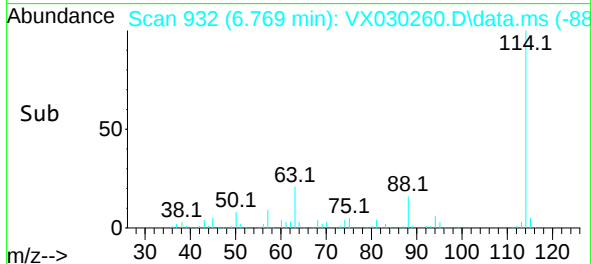
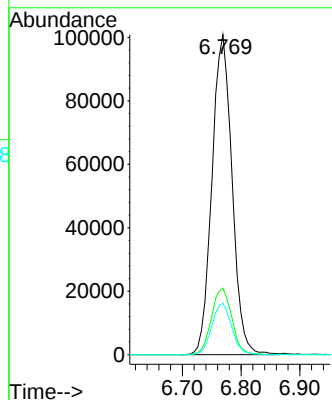
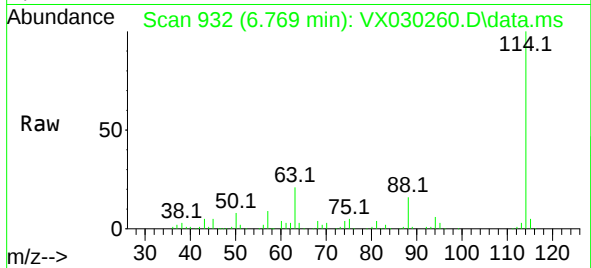




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

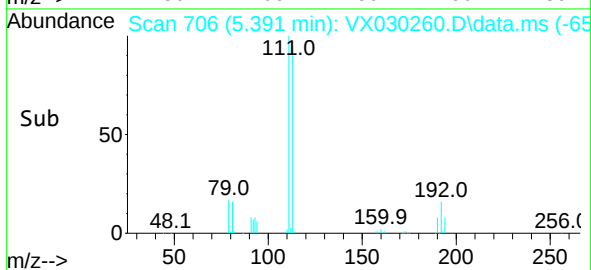
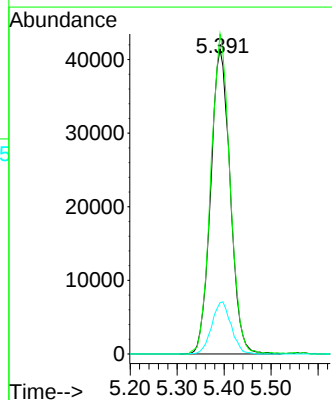
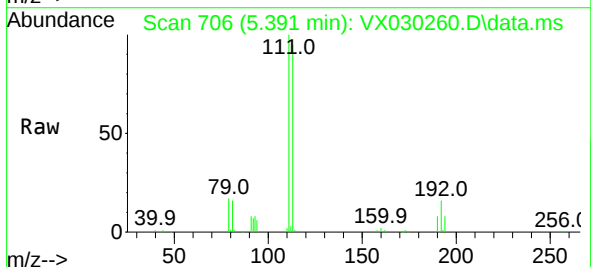
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

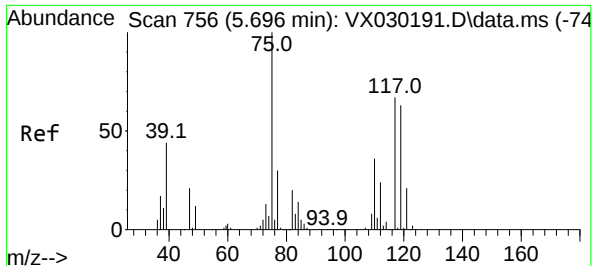
Tgt Ion:114 Resp: 239787
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.4
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.082 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion:113 Resp: 119385
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 16.9 14.8 22.2

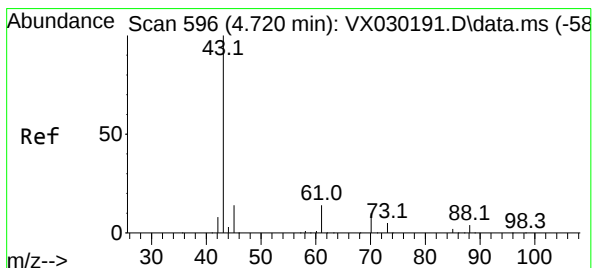
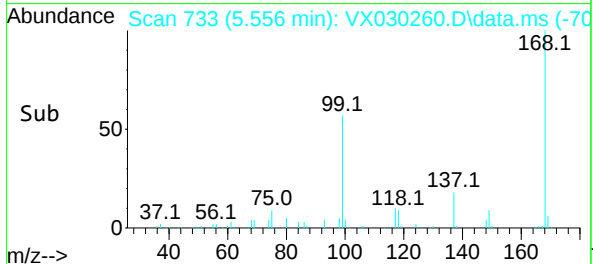
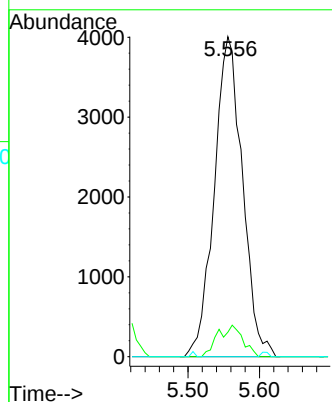
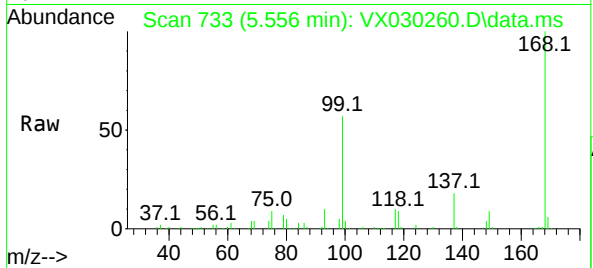




#36
1,1-Dichloropropene
Concen: 3.323 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

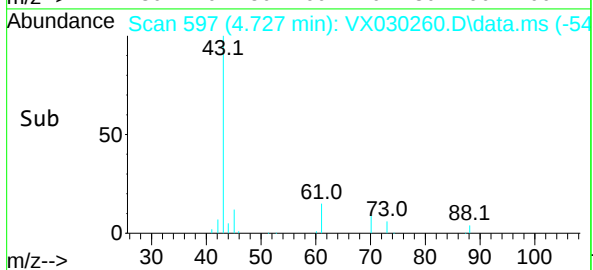
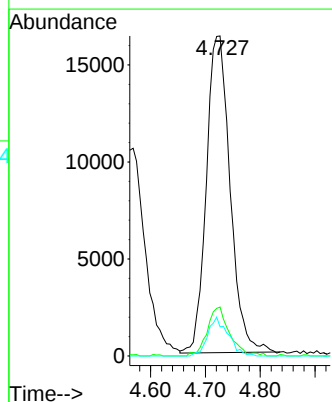
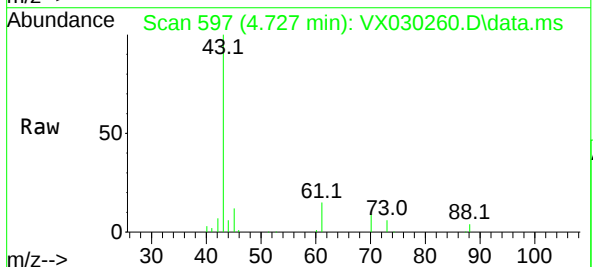
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

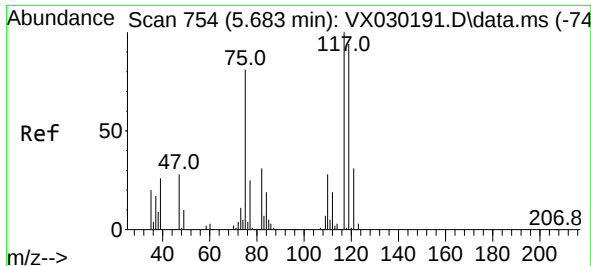
Tgt Ion: 75 Resp: 10963
Ion Ratio Lower Upper
75 100
110 8.7 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 10.524 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.007 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 43 Resp: 49161
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 10.5 9.3 13.9

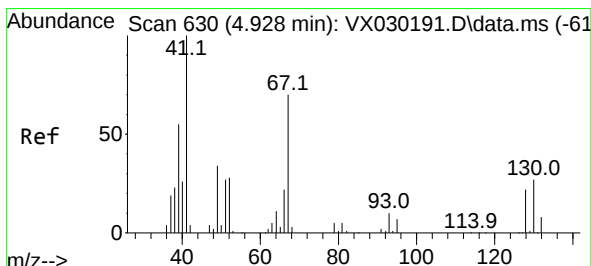
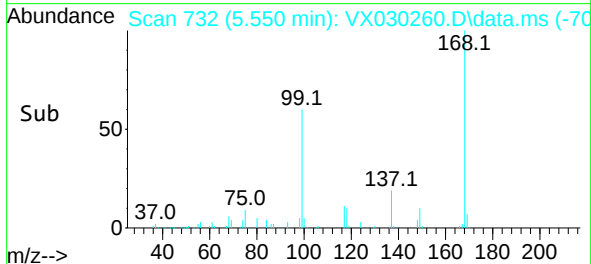
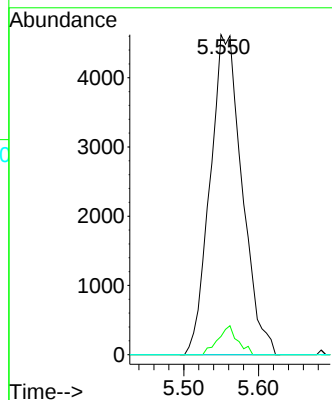
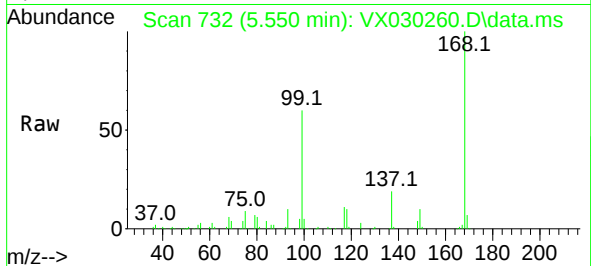




#38
Carbon Tetrachloride
Concen: 4.463 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.133 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

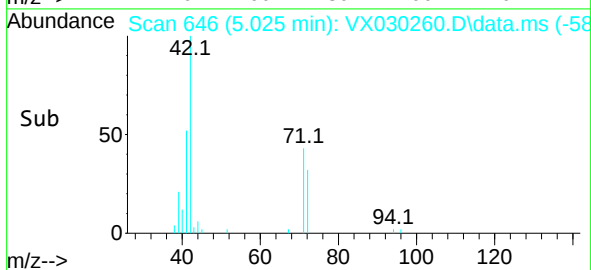
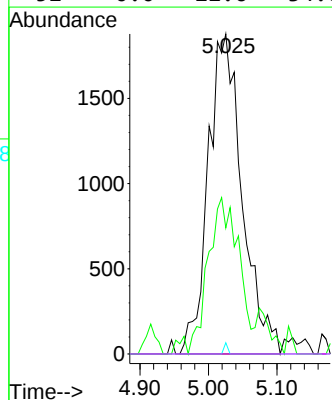
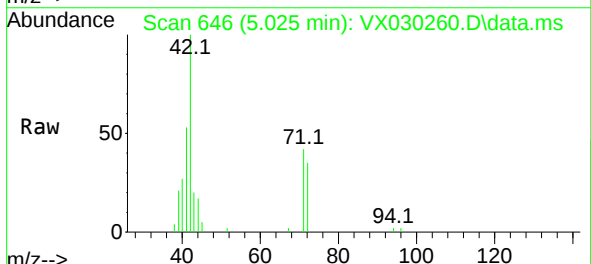
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

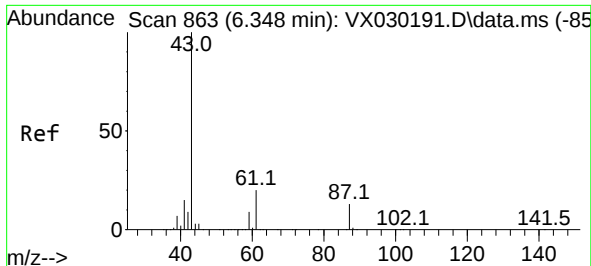
Tgt Ion:117 Resp: 13744
Ion Ratio Lower Upper
117 100
119 5.7 74.1 111.1#
121 0.0 25.8 38.8#



#41
Methacrylonitrile
Concen: 2.583 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 41 Resp: 6467
Ion Ratio Lower Upper
41 100
39 43.7 42.9 64.3
67 0.4 60.1 90.1#
52 0.0 22.6 34.0#

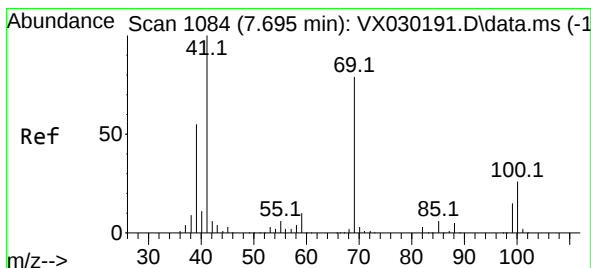
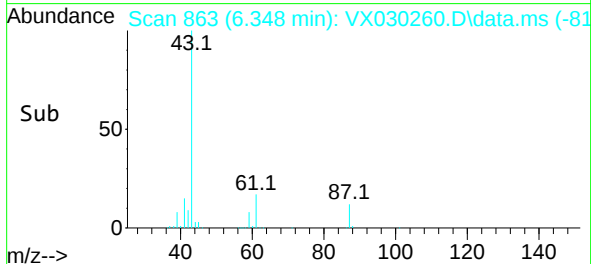
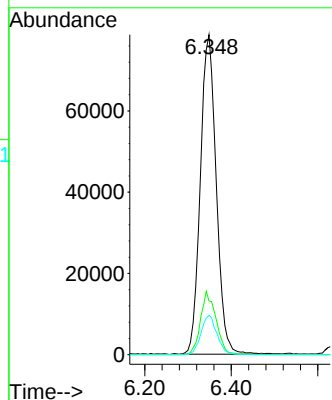
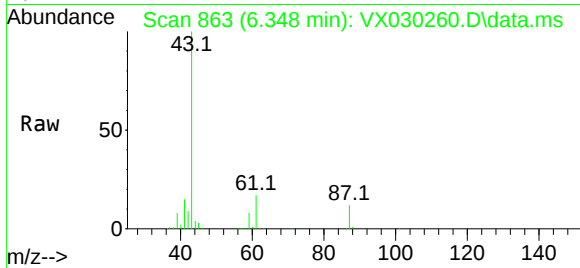




#43
Isopropyl Acetate
Concen: 29.316 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

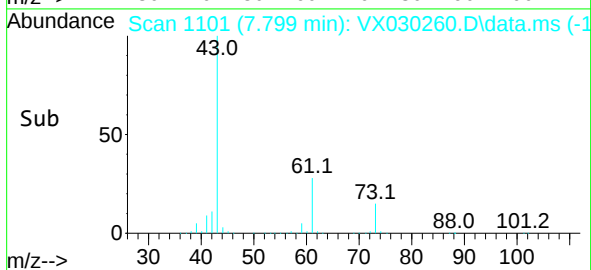
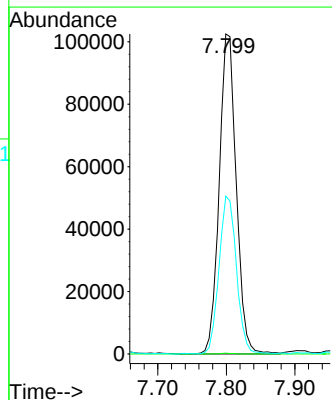
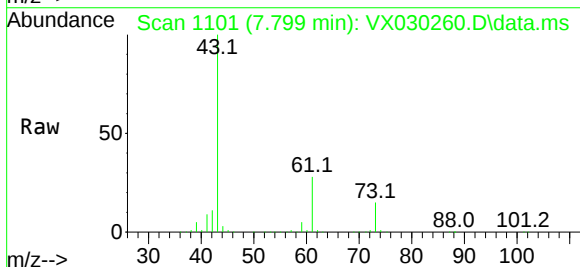
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

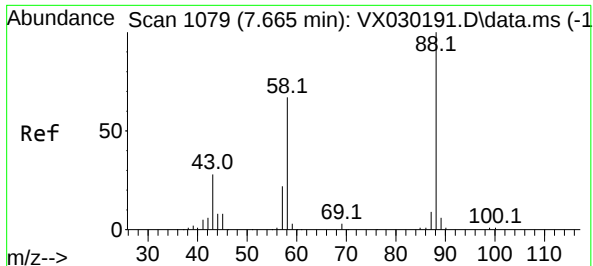
Tgt Ion: 43 Resp: 200758
Ion Ratio Lower Upper
43 100
61 19.2 16.5 24.7
87 12.3 11.1 16.7



#48
Methyl methacrylate
Concen: 52.374 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 41 Resp: 176537
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 50.3 44.6 66.8

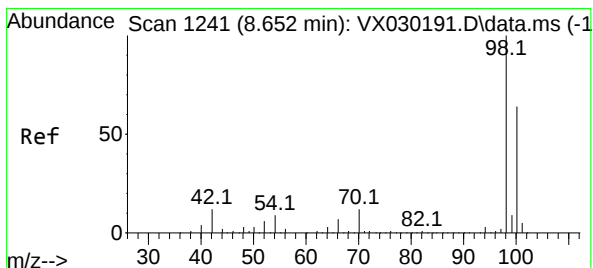
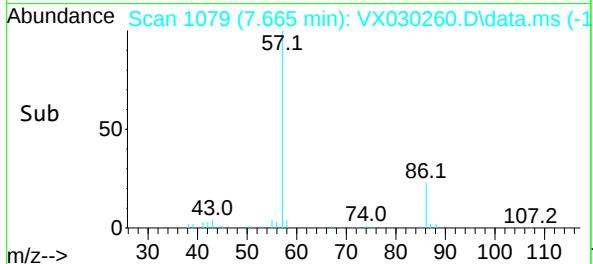
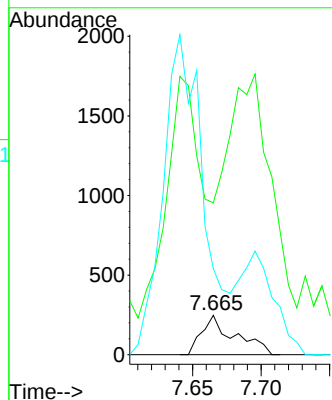
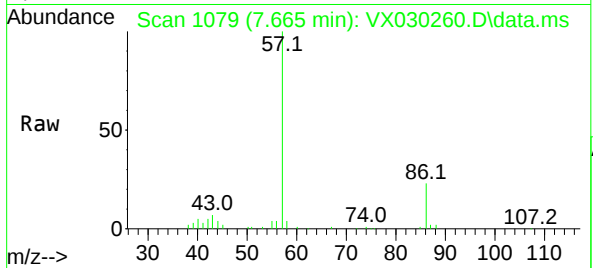




#49
1,4-Dioxane
Concen: 5.331 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

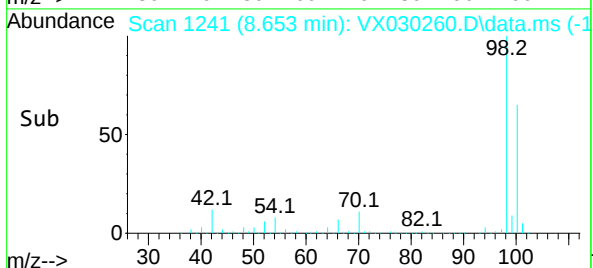
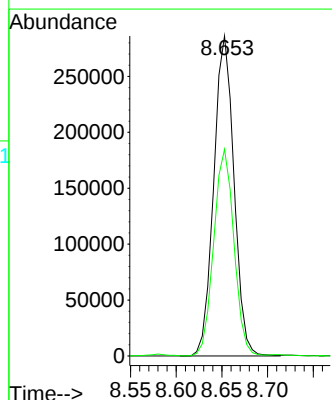
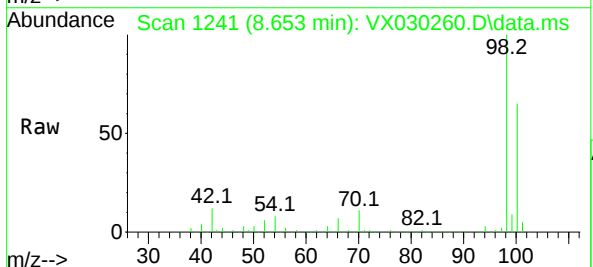
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

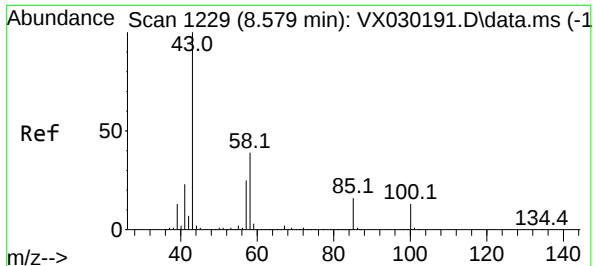
Tgt Ion: 88 Resp: 415
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#



#50
Toluene-d8
Concen: 49.673 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 98 Resp: 440952
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

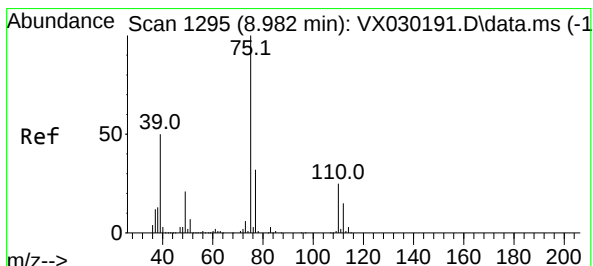
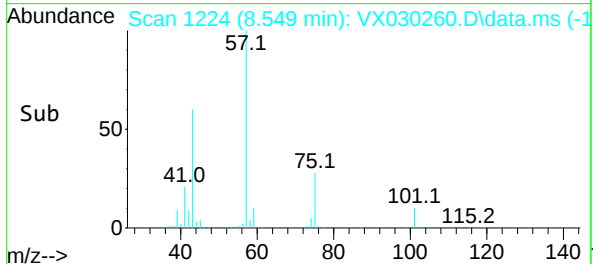
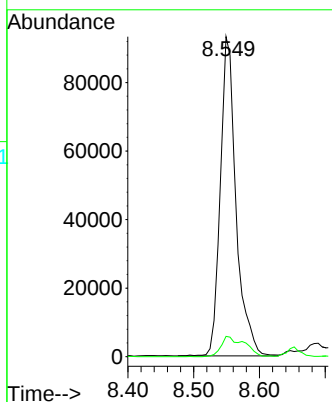
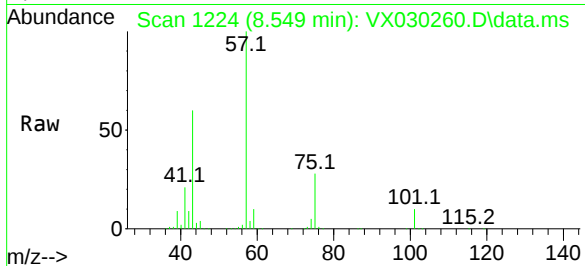




#51
4-Methyl-2-Pentanone
Concen: 33.334 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

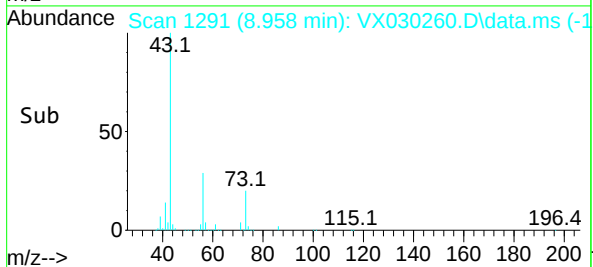
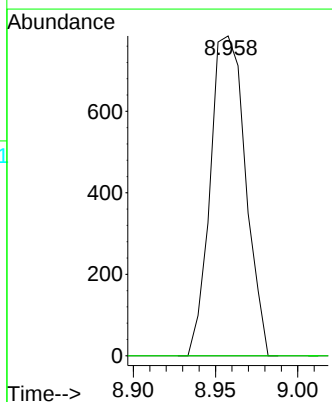
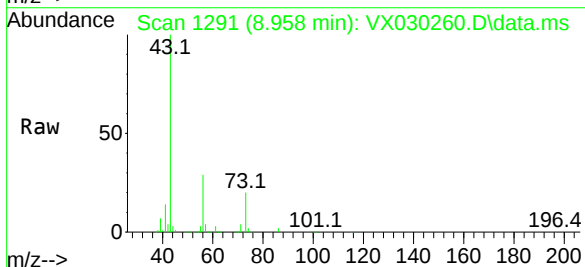
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

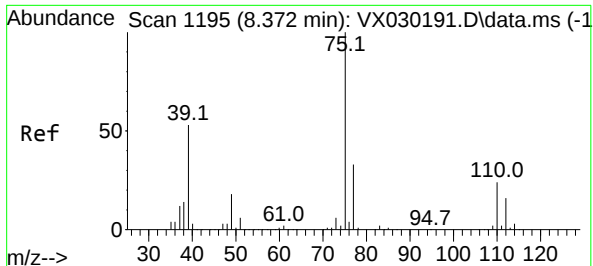
Tgt Ion: 43 Resp: 154976
Ion Ratio Lower Upper
43 100
58 9.5 31.4 47.2#



#53
t-1,3-Dichloropropene
Concen: 0.317 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 75 Resp: 1171
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#

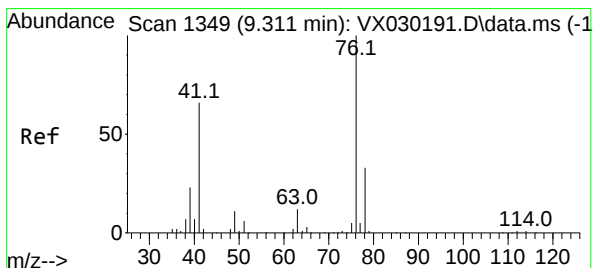
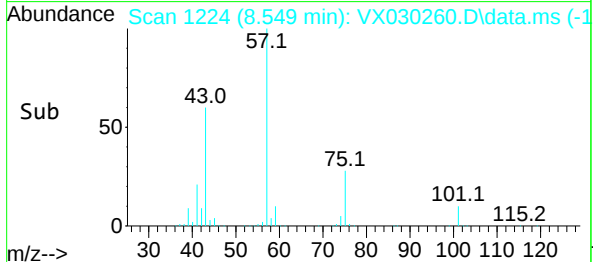
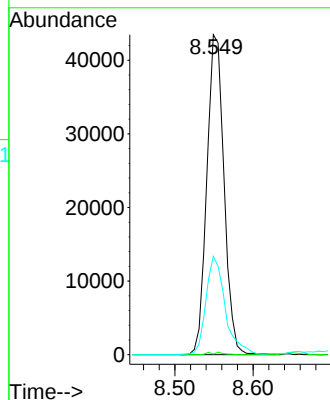
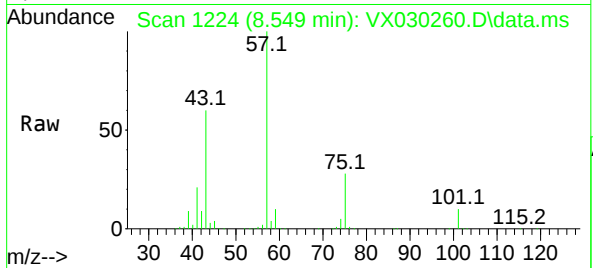




#54
 cis-1,3-Dichloropropene
 Concen: 16.468 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX030260.D
 Acq: 28 Jul 2022 03:10

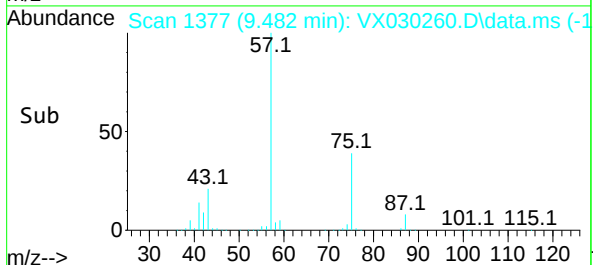
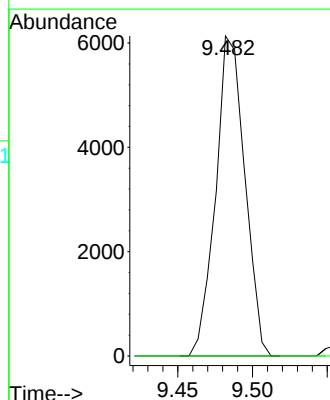
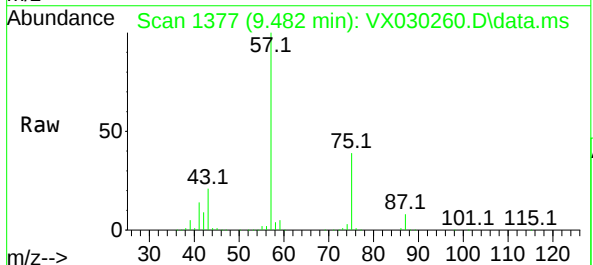
Instrument :
 MSVOA_X
 ClientSampleId :
 S-2ND-TP

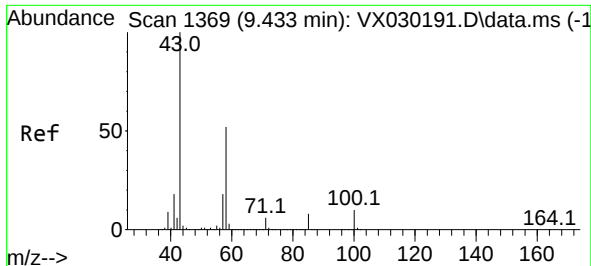
Tgt Ion: 75 Resp: 66201
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.0 37.4#
 39 30.6 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.869 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX030260.D
 Acq: 28 Jul 2022 03:10

Tgt Ion: 76 Resp: 8318
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 33.560 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX030260.D

Acq: 28 Jul 2022 03:10

Instrument :

MSVOA_X

ClientSampleId :

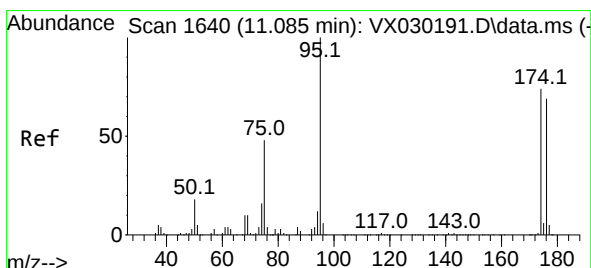
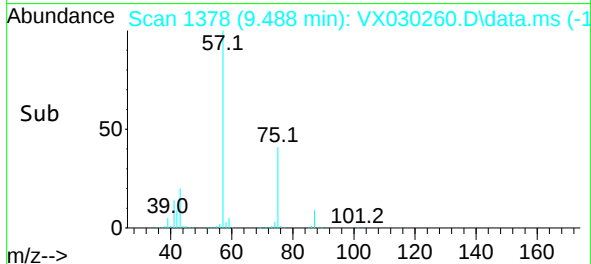
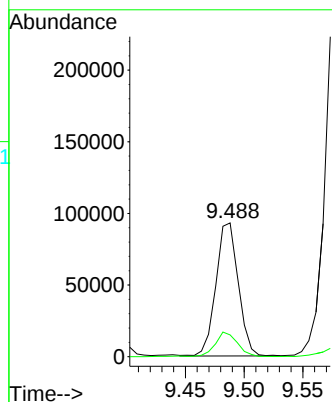
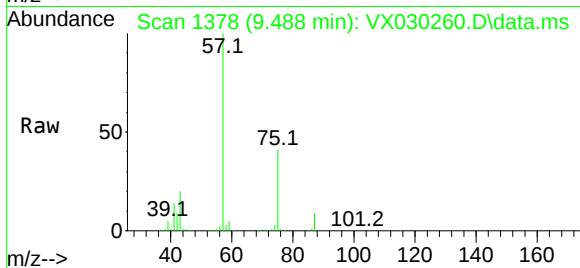
S-2ND-TP

Tgt Ion: 43 Resp: 123096

Ion Ratio Lower Upper

43 100

58 18.9 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 47.337 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030260.D

Acq: 28 Jul 2022 03:10

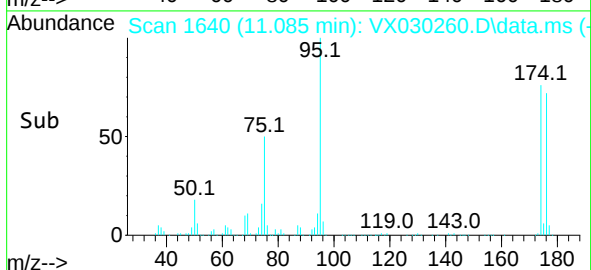
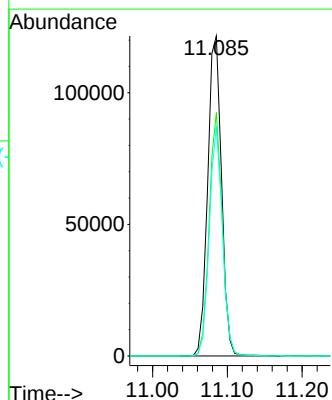
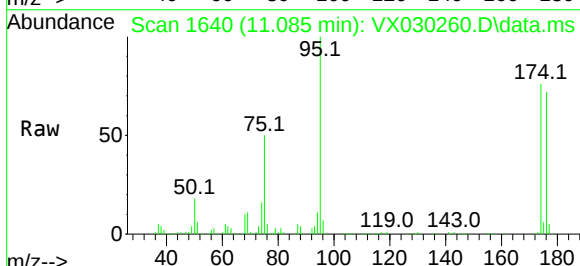
Tgt Ion: 95 Resp: 155953

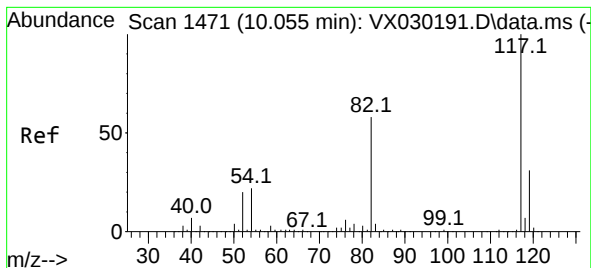
Ion Ratio Lower Upper

95 100

174 72.6 0.0 149.0

176 67.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX030260.D

Acq: 28 Jul 2022 03:10

Instrument :

MSVOA_X

ClientSampleId :

S-2ND-TP

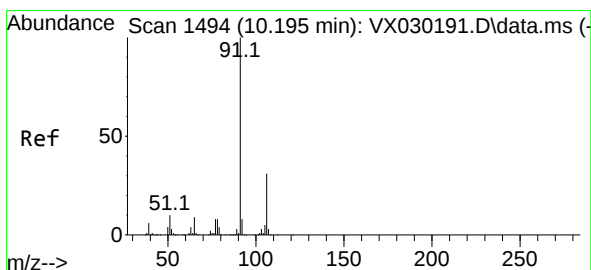
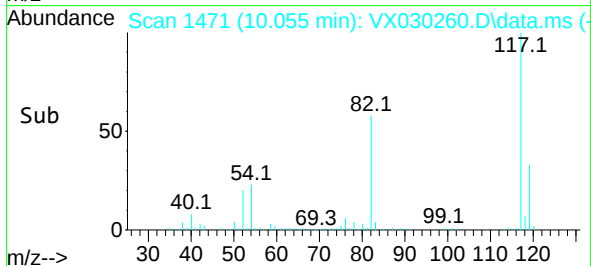
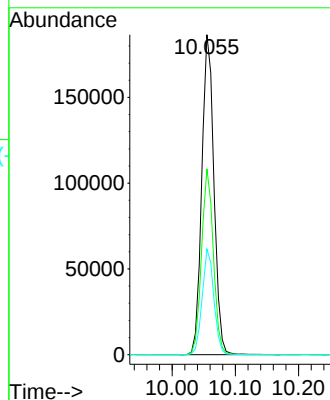
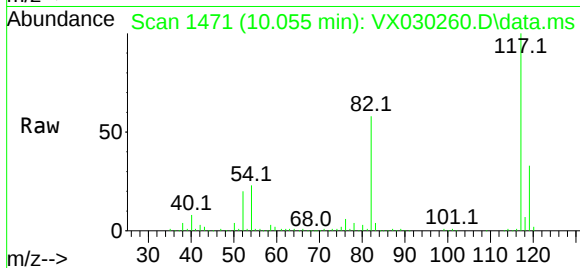
Tgt Ion:117 Resp: 249291

Ion Ratio Lower Upper

117 100

82 58.1 42.7 64.1

119 33.0 25.4 38.2



#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030260.D

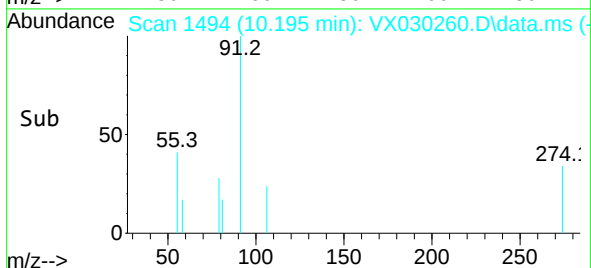
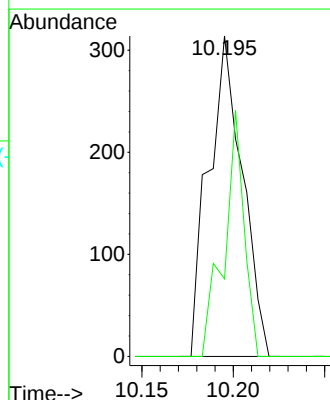
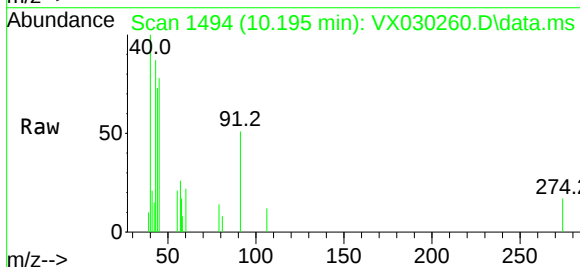
Acq: 28 Jul 2022 03:10

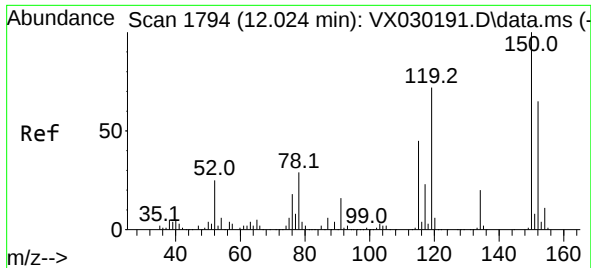
Tgt Ion: 91 Resp: 405

Ion Ratio Lower Upper

91 100

106 24.2 25.5 38.3#

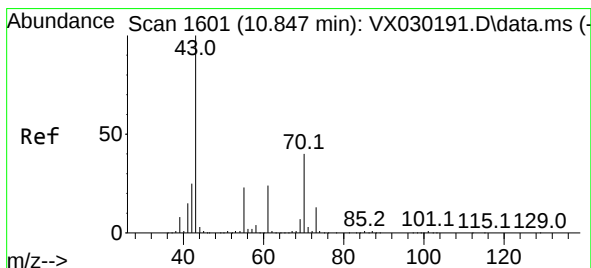
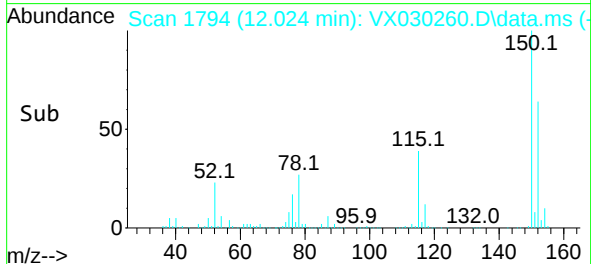
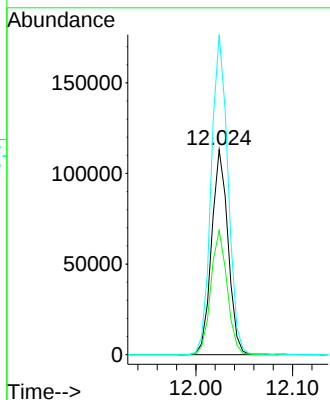
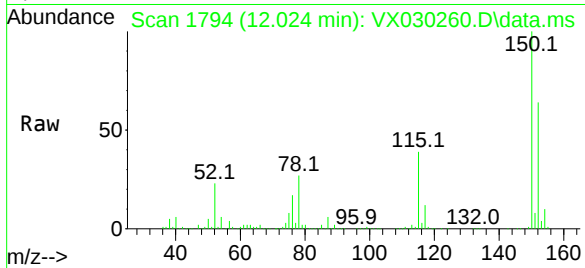




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

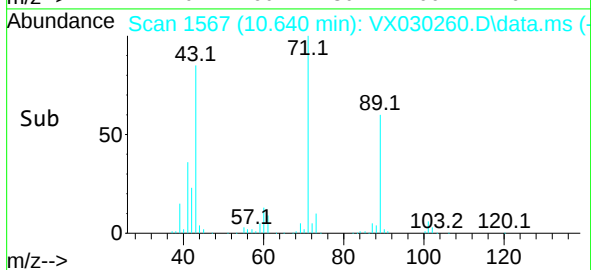
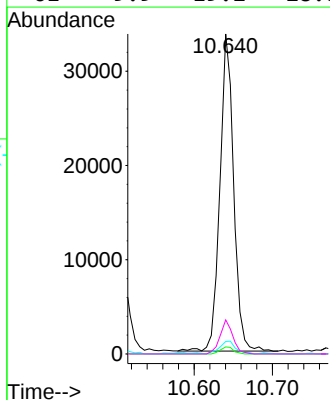
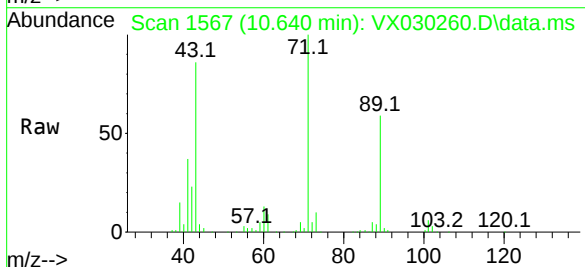
Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

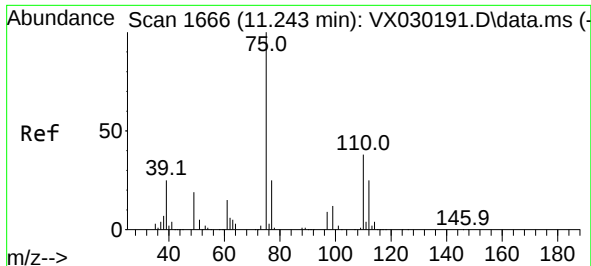
Tgt Ion:152 Resp: 133683
Ion Ratio Lower Upper
152 100
115 60.0 40.5 121.5
150 159.1 0.0 347.0



#74
N-ethyl acetate
Concen: 8.129 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.207 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 43 Resp: 41232
Ion Ratio Lower Upper
43 100
70 2.1 32.3 48.5#
55 4.7 18.4 27.6#
61 9.9 19.2 28.8#

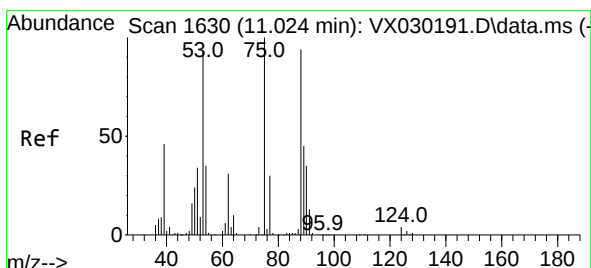
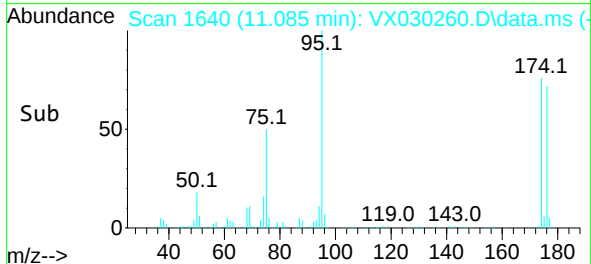
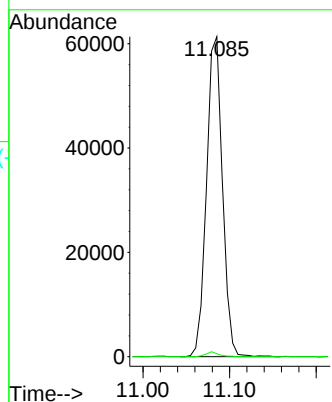
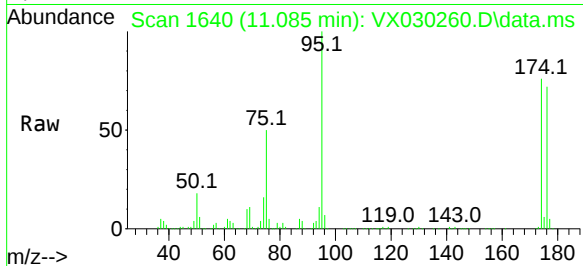




#76
1,2,3-Trichloropropane
Concen: 22.225 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Instrument :
MSVOA_X
ClientSampleId :
S-2ND-TP

Tgt Ion: 75 Resp: 78316
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.673 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030260.D
Acq: 28 Jul 2022 03:10

Tgt Ion: 75 Resp: 78316
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#

