

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025305.D
 Acq On : 24 Nov 2021 03:31
 Operator : JC/MD
 Sample : M4795-03
 Misc : 5.26g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HAR-23

Quant Time: Nov 24 05:02:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

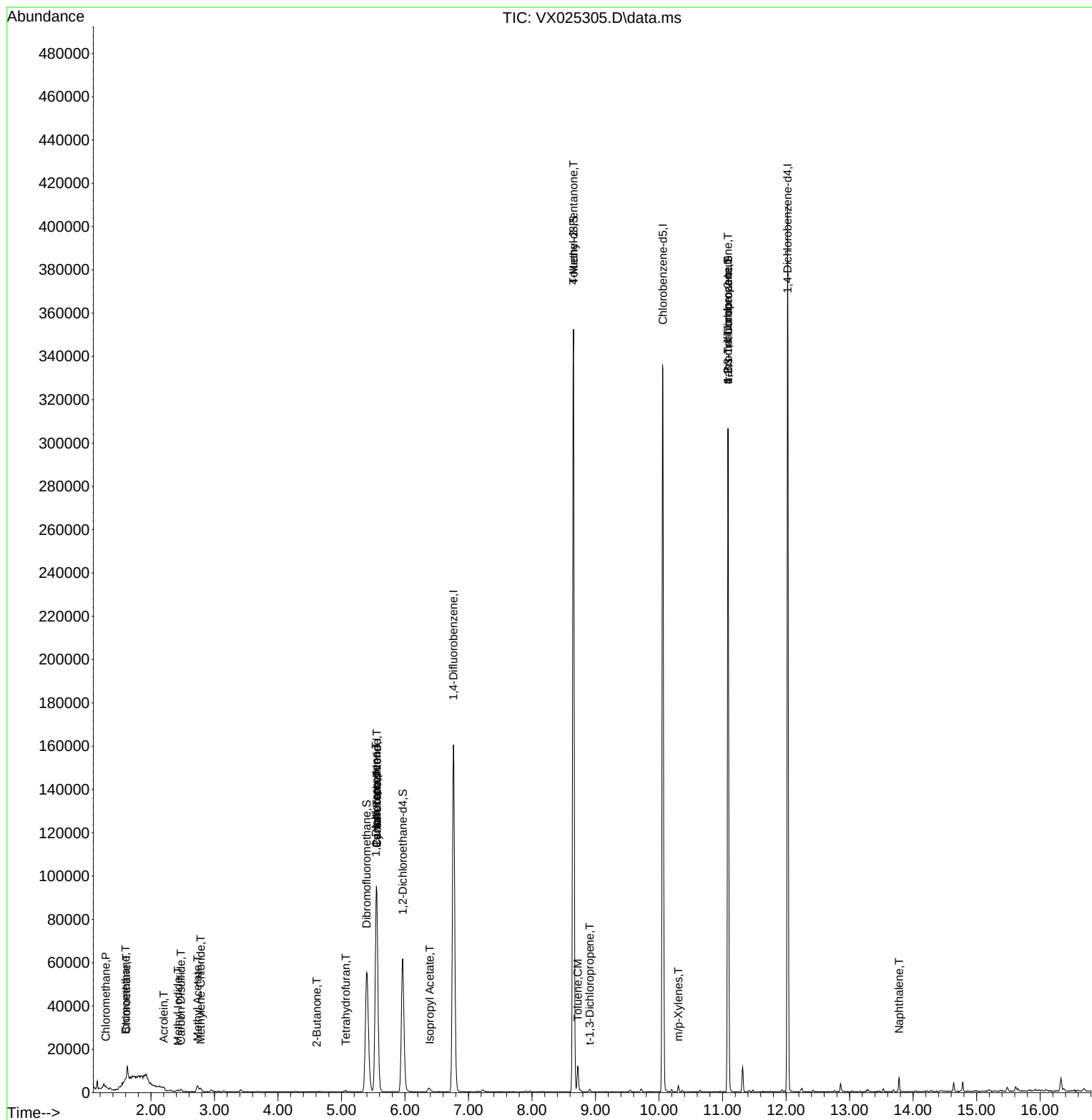
Internal Standards						
1) Pentafluorobenzene	5.556	168	103969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186877	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	178674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	61333	55.966	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.940%			
35) Dibromofluoromethane	5.397	113	56085	48.914	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.820%			
50) Toluene-d8	8.653	98	222882	51.699	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.085	95	83179	51.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.000%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	341	0.306	ug/l	92
5) Bromomethane	1.599	94	358	0.680	ug/l	94
6) Chloroethane	1.611	64	208	0.246	ug/l #	43
10) Methyl Iodide	2.428	142	277	0.229	ug/l #	45
11) Tert butyl alcohol	2.959	59	522	Below Cal	#	72
13) Acrolein	2.203	56	102	2.032	ug/l #	2
17) Carbon Disulfide	2.471	76	1323	0.488	ug/l	96
18) Methyl Acetate	2.733	43	5092	2.617	ug/l	99
20) Methylene Chloride	2.782	84	688	0.601	ug/l #	78
25) 2-Butanone	4.611	43	369	0.419	ug/l #	48
29) Tetrahydrofuran	5.068	42	561	1.029	ug/l #	50
31) Cyclohexane	5.556	56	1820	1.075	ug/l #	23
36) 1,1-Dichloropropene	5.543	75	6726	4.125	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9415	5.243	ug/l #	15
43) Isopropyl Acetate	6.391	43	1139	0.369	ug/l #	61
51) 4-Methyl-2-Pentanone	8.653	43	937	0.484	ug/l #	1
52) Toluene	8.720	92	4590	1.423	ug/l	100
53) t-1,3-Dichloropropene	8.909	75	715	0.372	ug/l #	43
68) m/p-Xylenes	10.305	106	668	0.260	ug/l	79
76) 1,2,3-Trichloropropane	11.085	75	39320	22.160	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	39320	55.825	ug/l #	9
95) Naphthalene	13.780	128	4028	0.316	ug/l	97

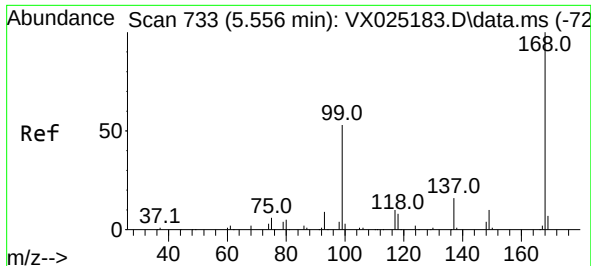
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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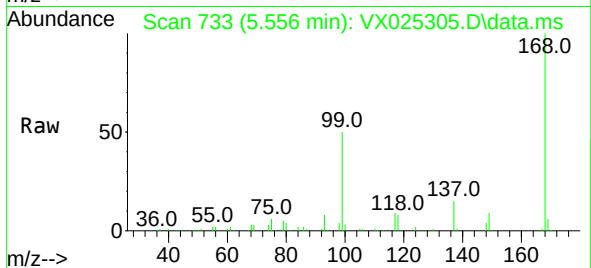
Quant Time: Nov 24 05:02:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
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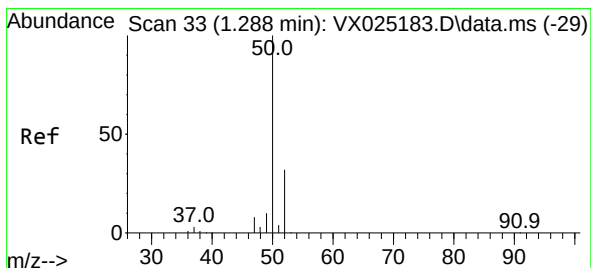
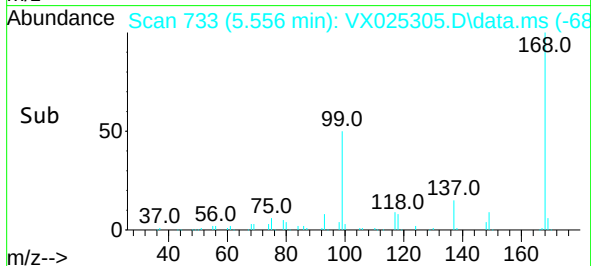
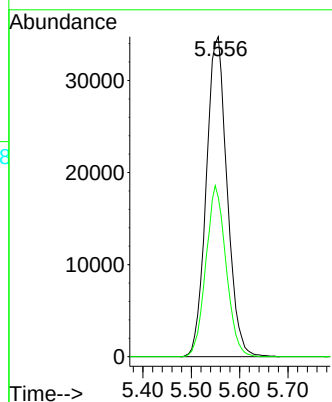


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Instrument :
MSVOA_X
ClientSampleId :
HAR-23

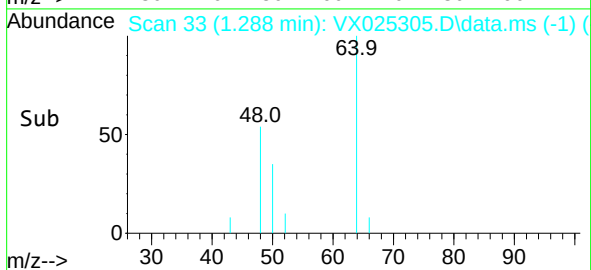
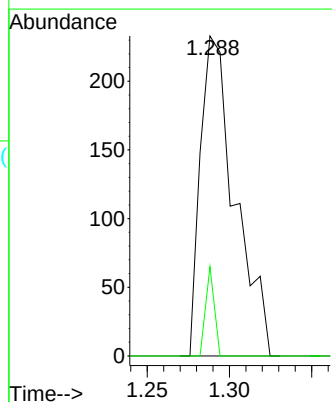
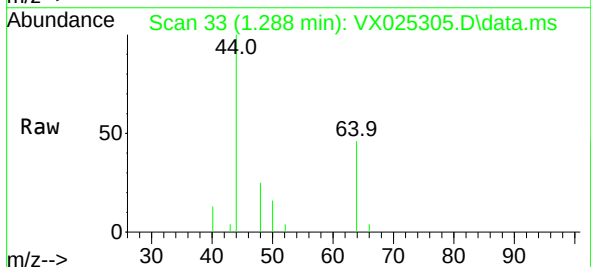


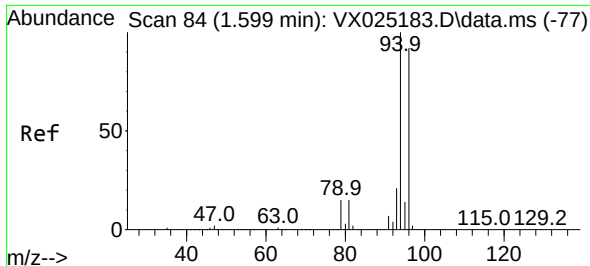
Tgt Ion:168 Resp: 103969
Ion Ratio Lower Upper
168 100
99 49.8 46.4 69.6



#3
Chloromethane
Concen: 0.306 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 27.9 25.9 38.9

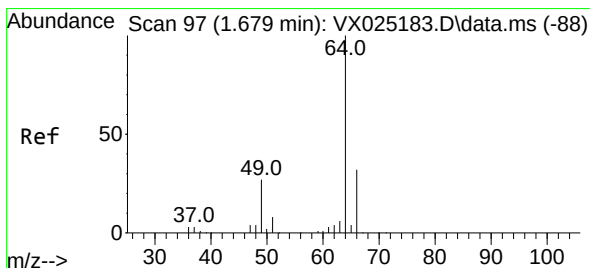
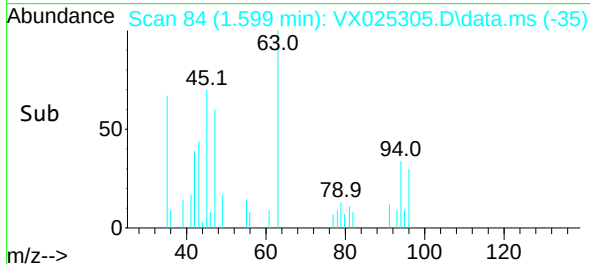
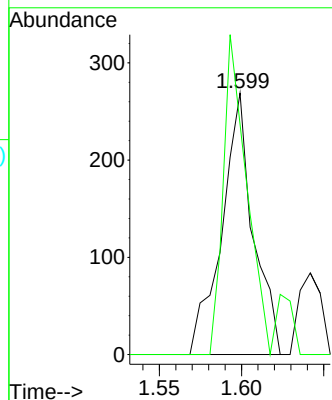
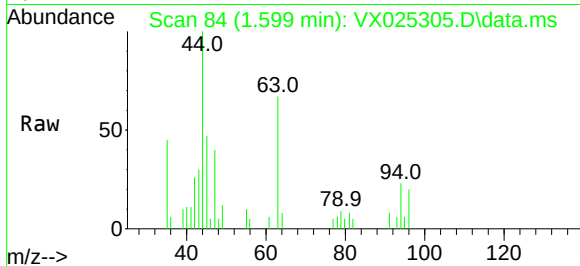




#5
Bromomethane
Concen: 0.680 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

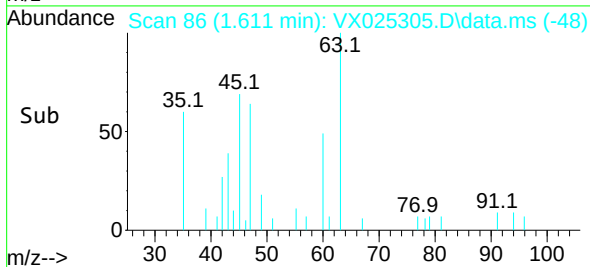
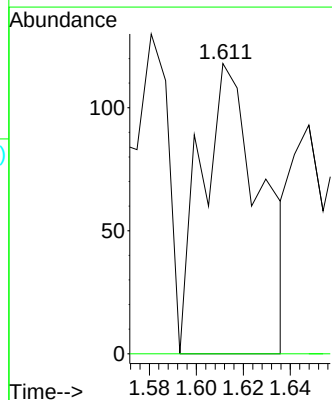
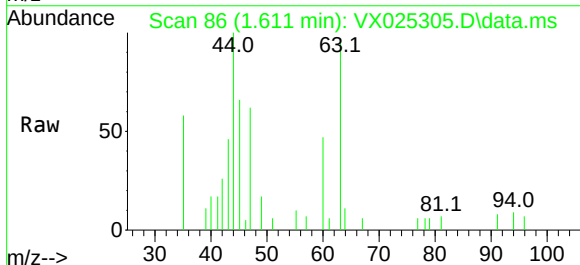
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

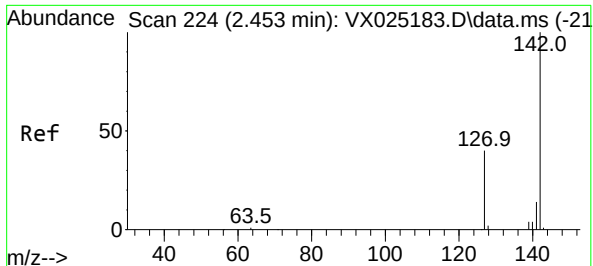
Tgt Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
96 88.1 74.8 112.2



#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.068 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

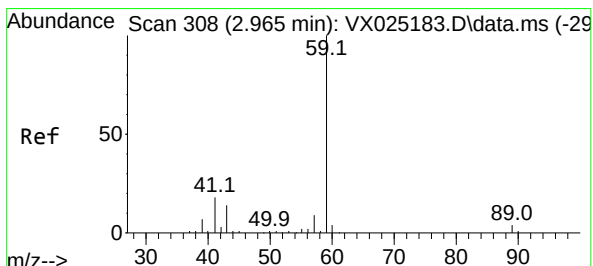
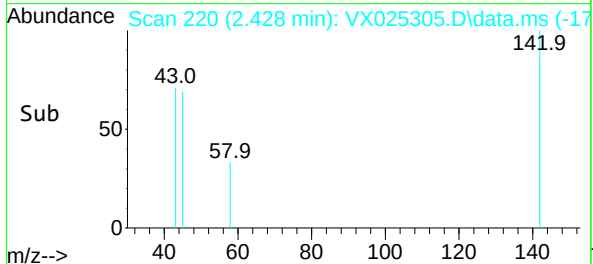
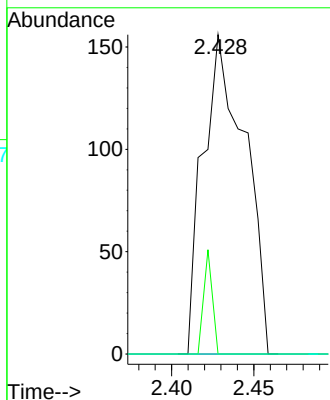
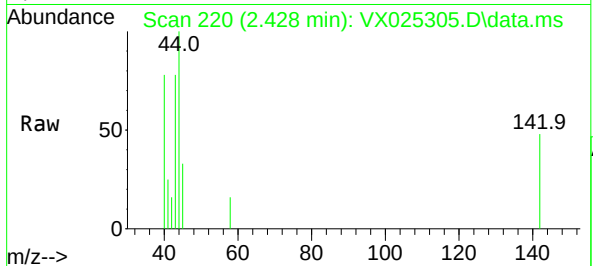




#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 2.428 min Scan# 21
Delta R.T. -0.025 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

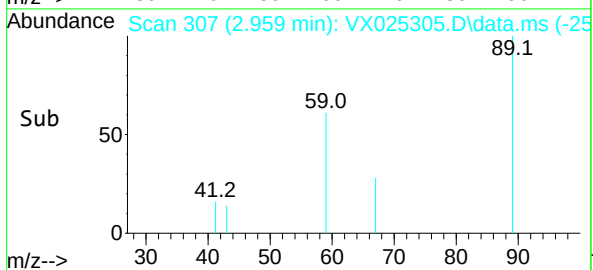
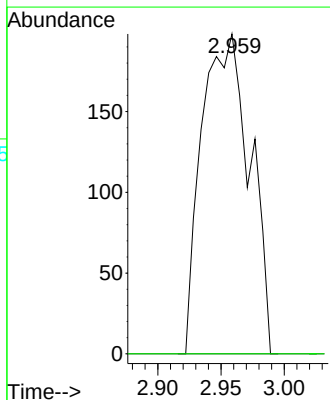
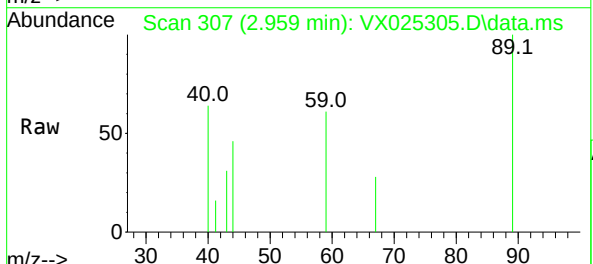
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

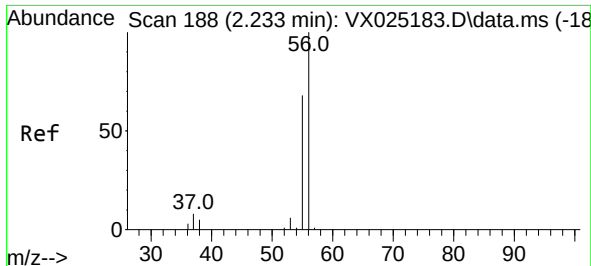
Tgt Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
127 6.9 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 2.032 ug/l

RT: 2.203 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX025305.D

Acq: 24 Nov 2021 03:31

Instrument :

MSVOA_X

ClientSampleId :

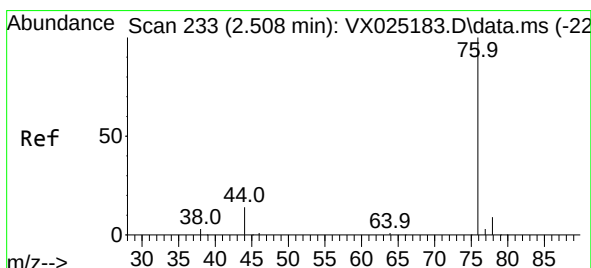
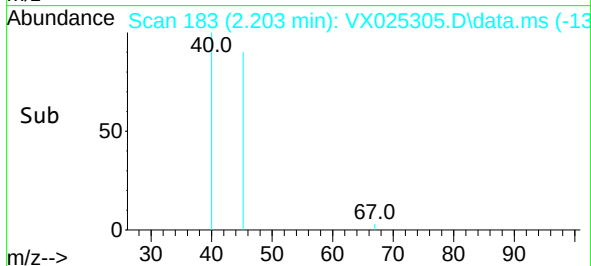
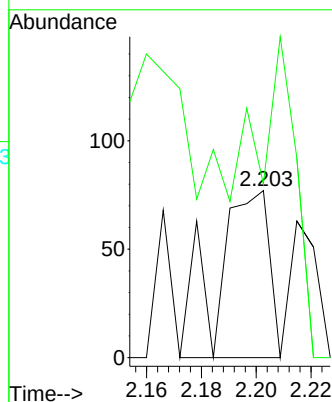
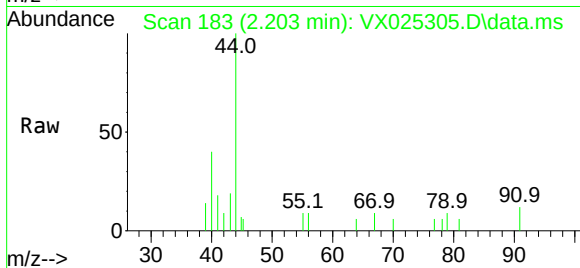
HAR-23

Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 155.9 58.6 87.8#



#17

Carbon Disulfide

Concen: 0.488 ug/l

RT: 2.471 min Scan# 227

Delta R.T. -0.037 min

Lab File: VX025305.D

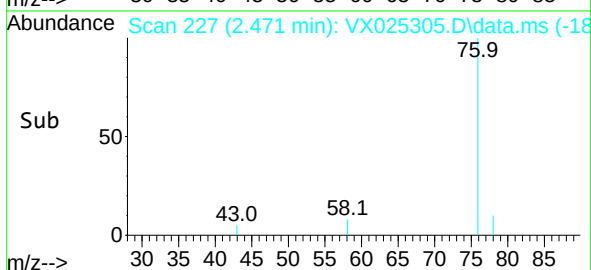
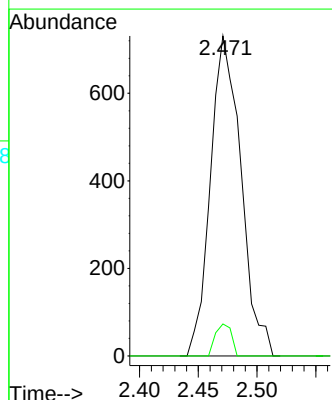
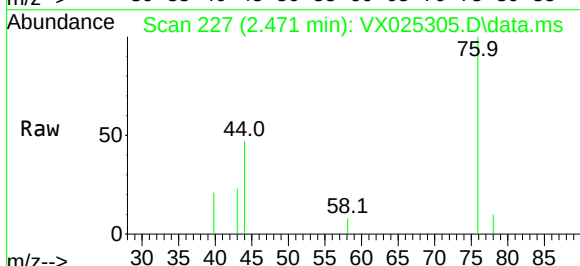
Acq: 24 Nov 2021 03:31

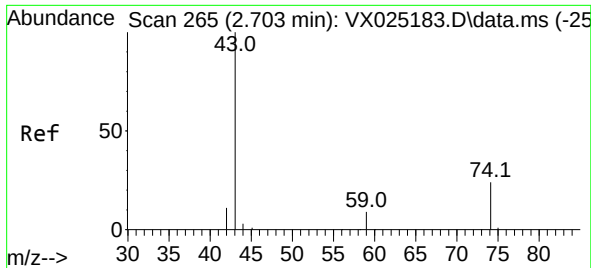
Tgt Ion: 76 Resp: 1323

Ion Ratio Lower Upper

76 100

78 10.0 6.9 10.3

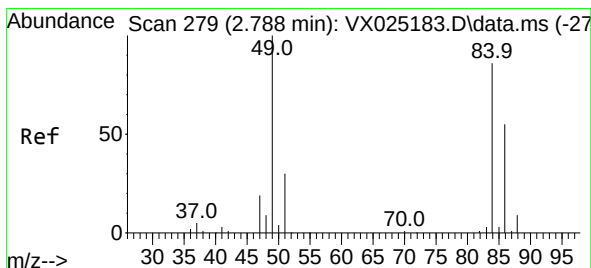
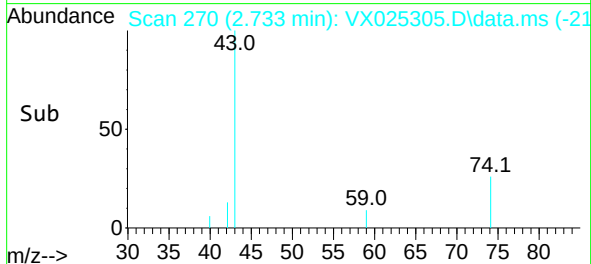
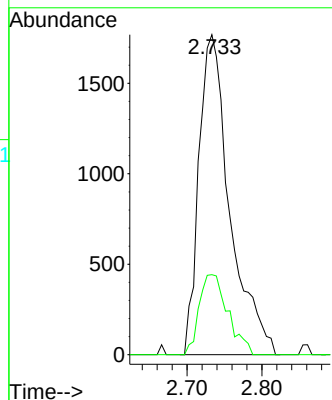
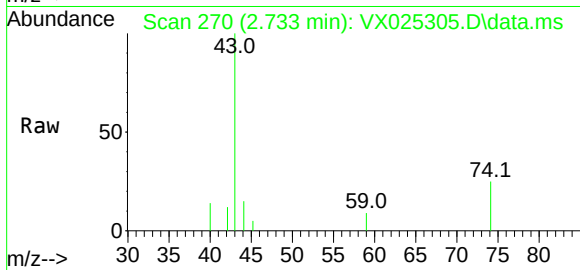




#18
Methyl Acetate
Concen: 2.617 ug/l
RT: 2.733 min Scan# 21
Delta R.T. 0.030 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

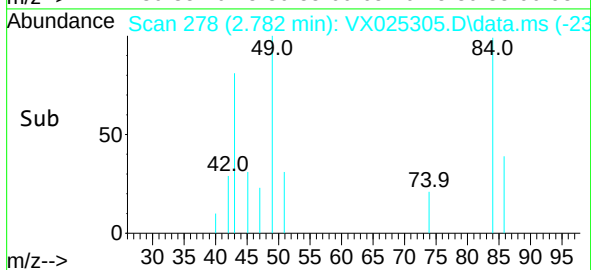
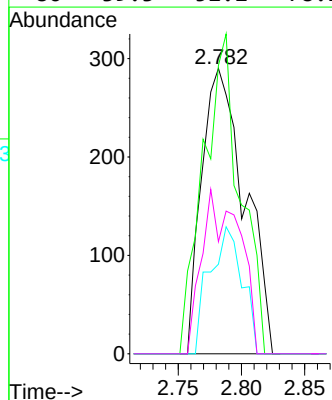
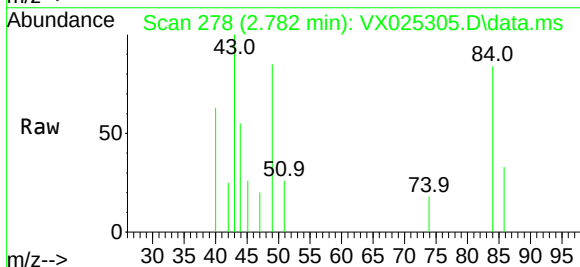
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HAR-23

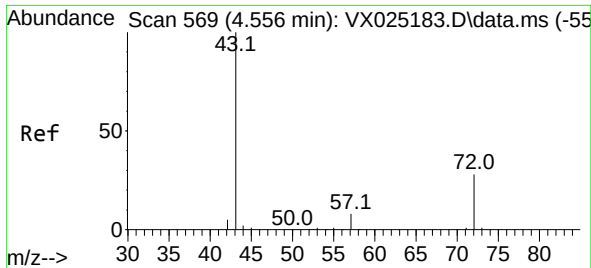
Tgt Ion: 43 Resp: 5092
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6



#20
Methylene Chloride
Concen: 0.601 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 84 Resp: 688
Ion Ratio Lower Upper
84 100
49 101.0 98.2 147.2
51 31.4 30.2 45.4
86 39.3 52.2 78.2#

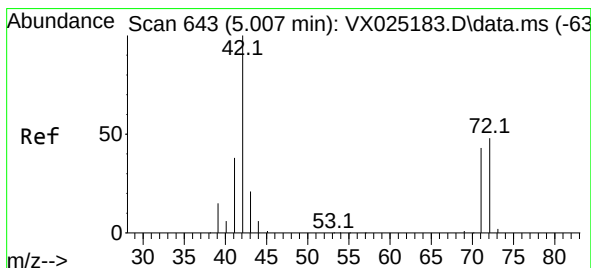
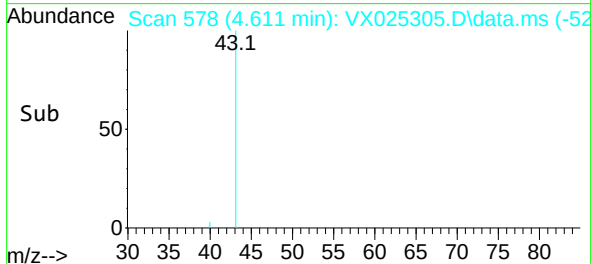
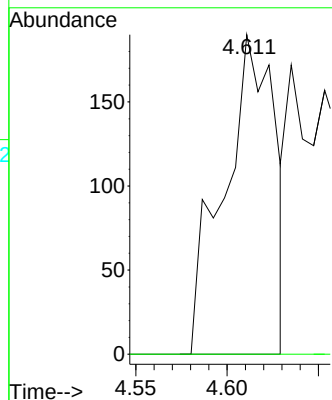
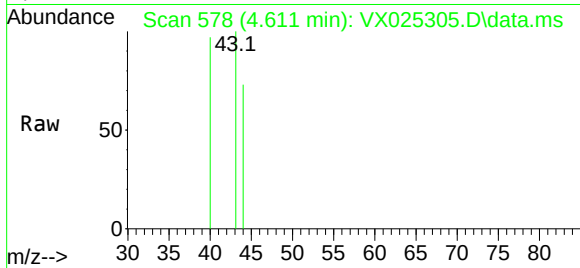




#25
2-Butanone
Concen: 0.419 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

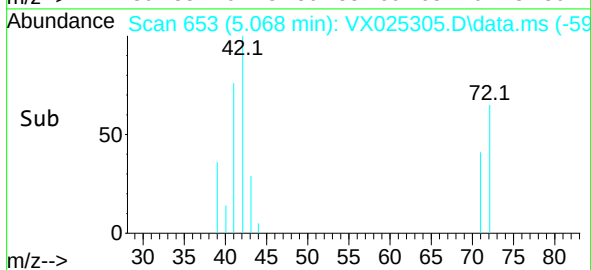
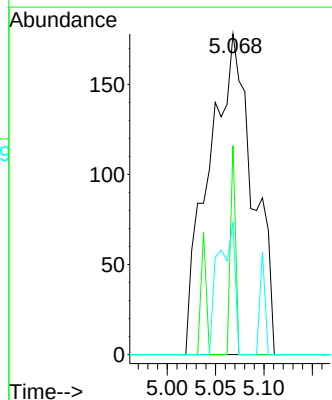
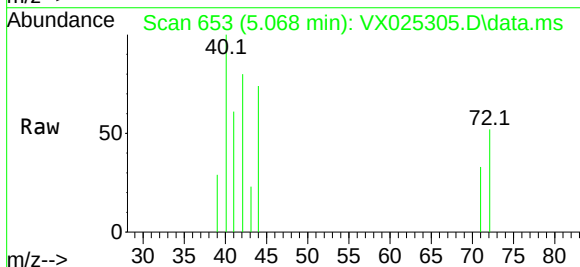
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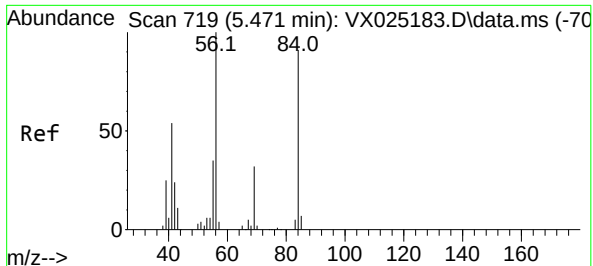
Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 1.029 ug/l
RT: 5.068 min Scan# 653
Delta R.T. 0.061 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 42 Resp: 561
Ion Ratio Lower Upper
42 100
72 7.5 36.1 54.1#
71 15.5 33.7 50.5#

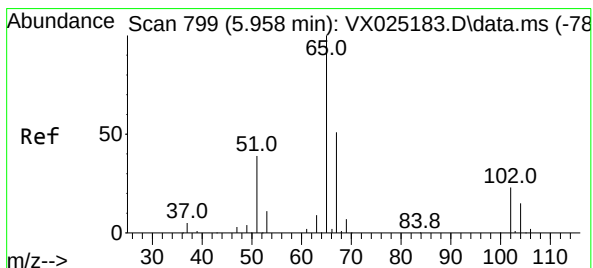
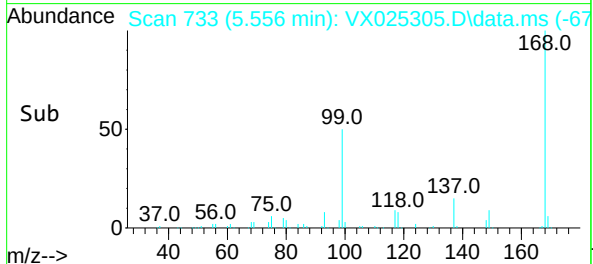
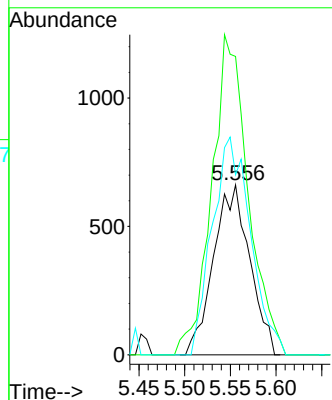
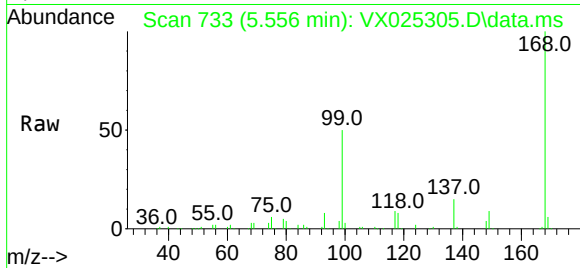




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

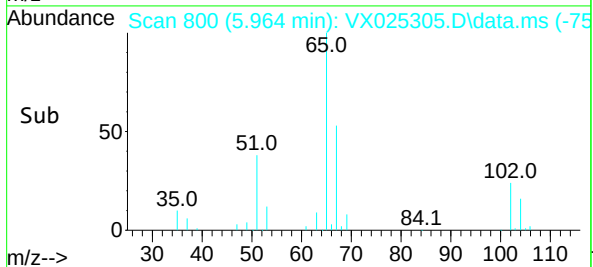
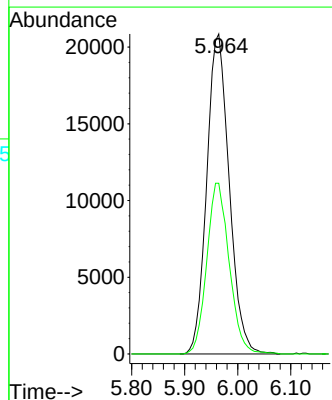
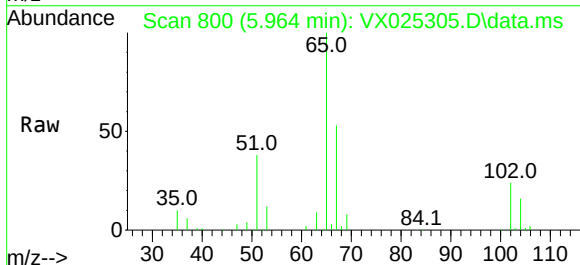
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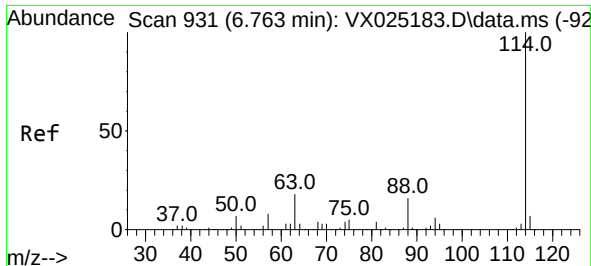
Tgt Ion: 56 Resp: 1820
Ion Ratio Lower Upper
56 100
69 166.9 24.2 36.2#
84 105.9 71.5 107.3



#33
1,2-Dichloroethane-d4
Concen: 55.966 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 65 Resp: 61333
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.0

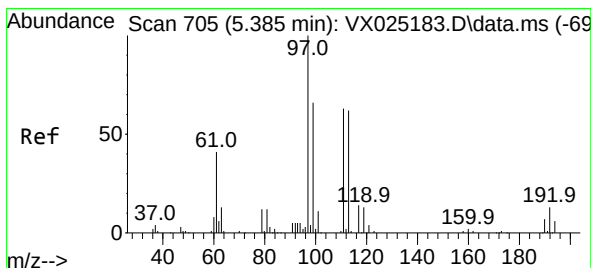
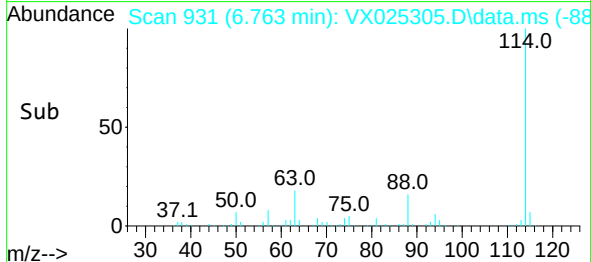
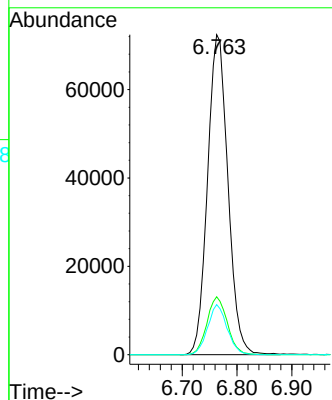
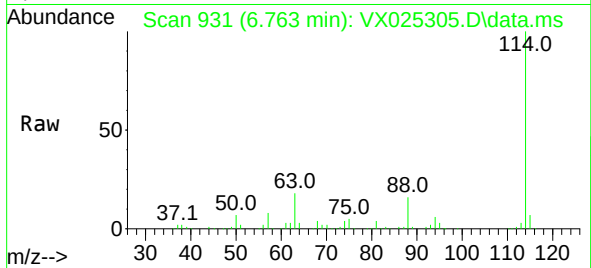




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

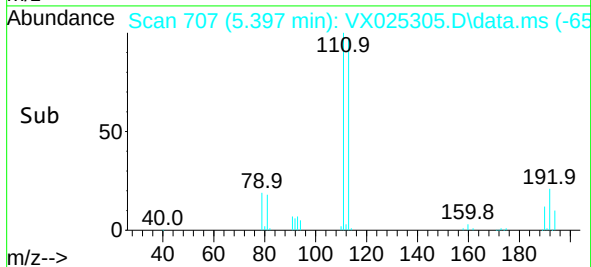
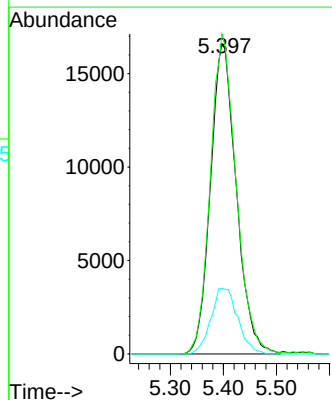
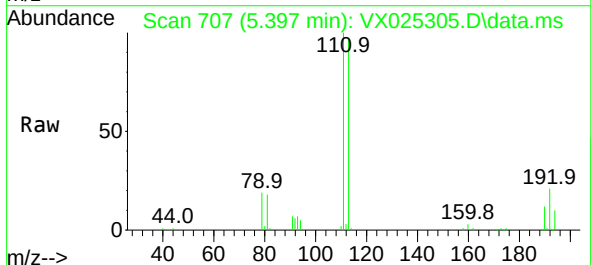
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

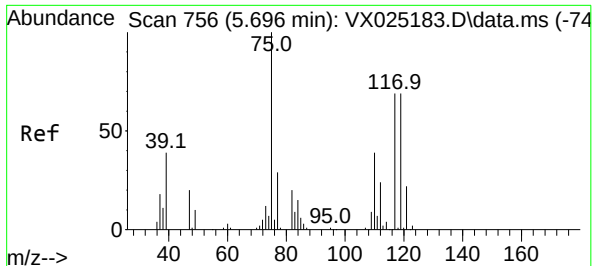
Tgt Ion:114 Resp: 186877
Ion Ratio Lower Upper
114 100
63 18.1 0.0 41.0
88 15.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 48.914 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion:113 Resp: 56085
Ion Ratio Lower Upper
113 100
111 103.1 82.1 123.1
192 22.0 15.6 23.4

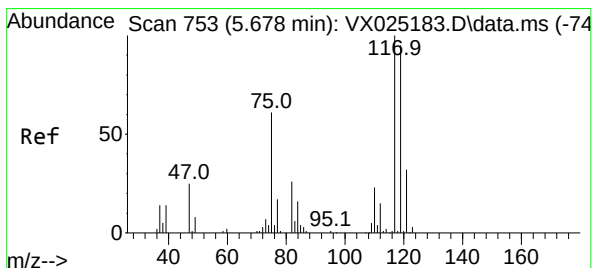
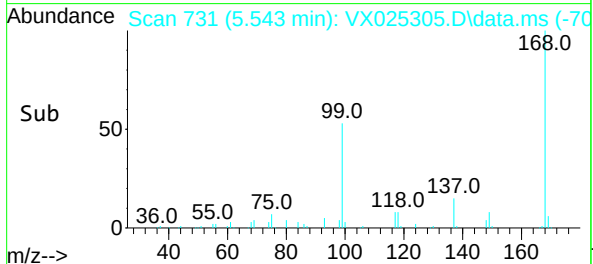
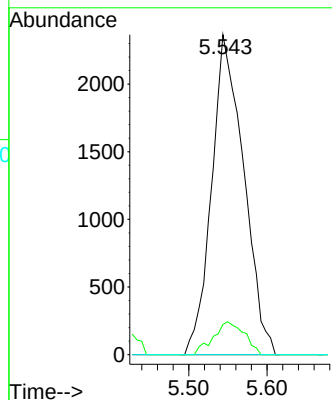
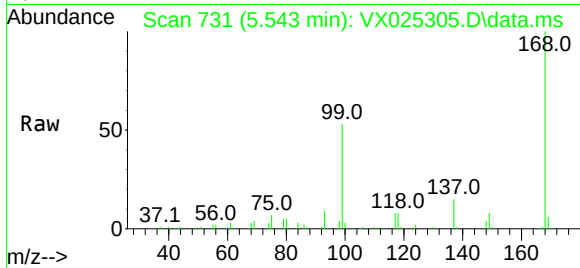




#36
1,1-Dichloropropene
Concen: 4.125 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

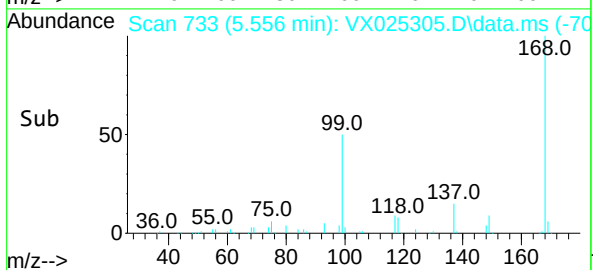
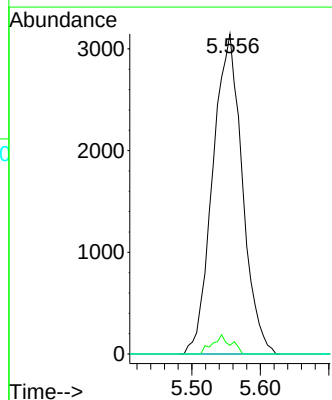
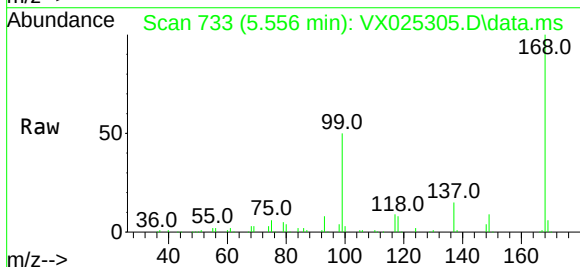
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

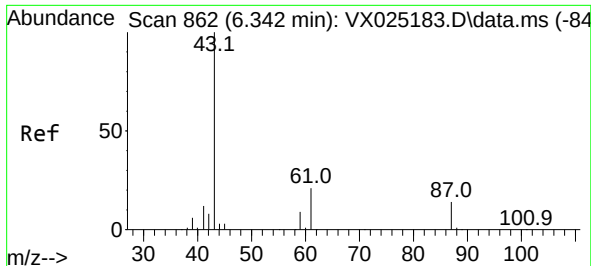
Tgt Ion: 75 Resp: 6726
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 117 Resp: 9415
Ion Ratio Lower Upper
117 100
119 2.7 75.6 113.4#
121 0.0 23.7 35.5#

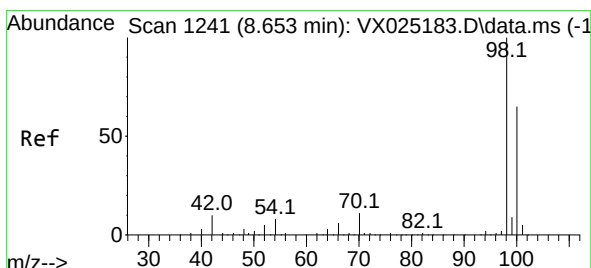
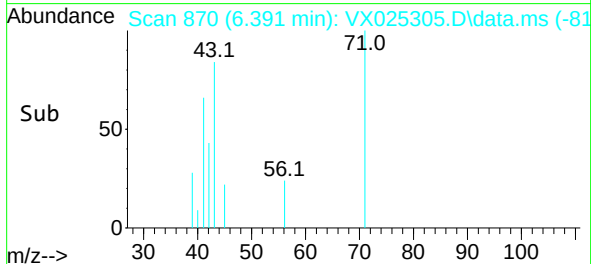
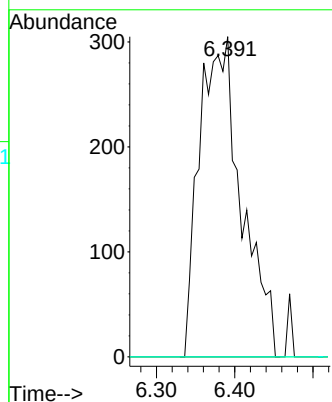
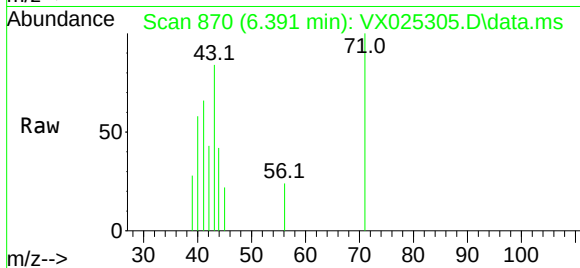




#43
Isopropyl Acetate
Concen: 0.369 ug/l
RT: 6.391 min Scan# 81
Delta R.T. 0.049 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

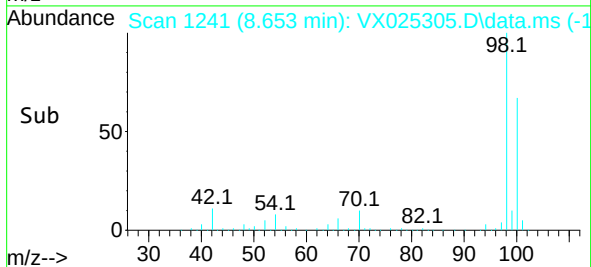
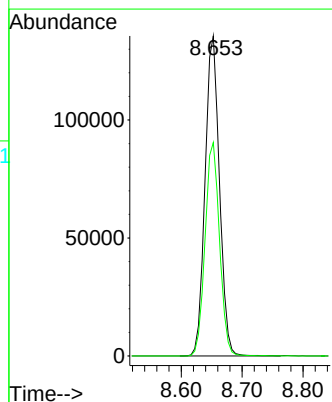
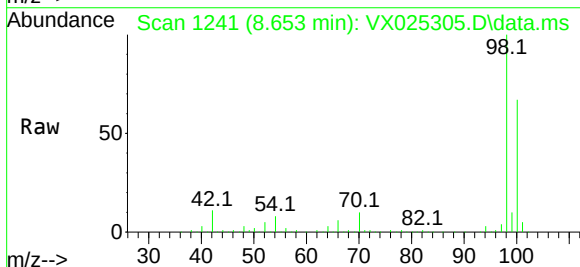
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

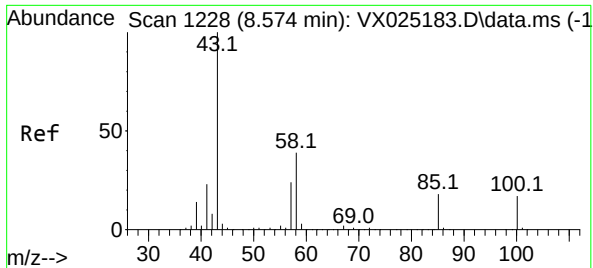
Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#



#50
Toluene-d8
Concen: 51.699 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 98 Resp: 222882
Ion Ratio Lower Upper
98 100
100 67.0 51.4 77.0

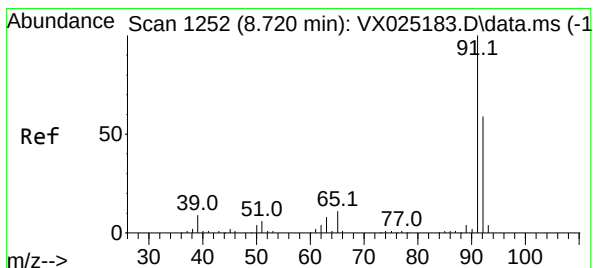
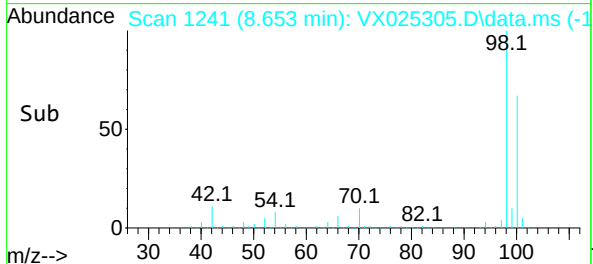
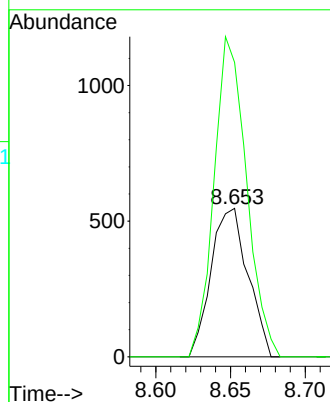
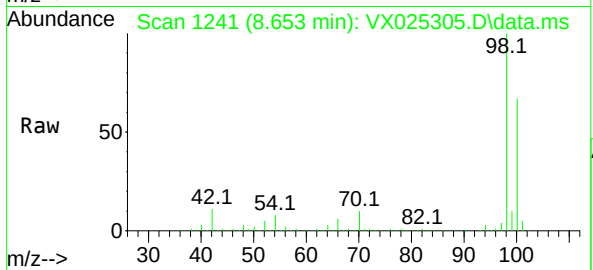




#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

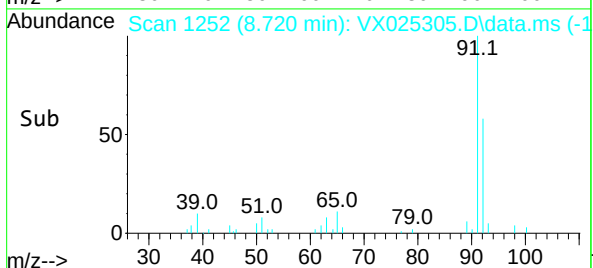
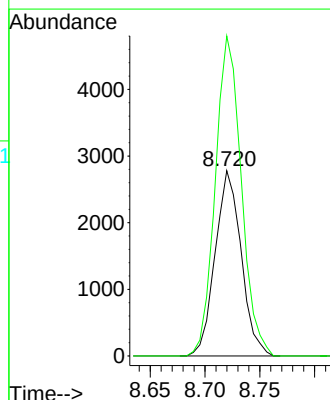
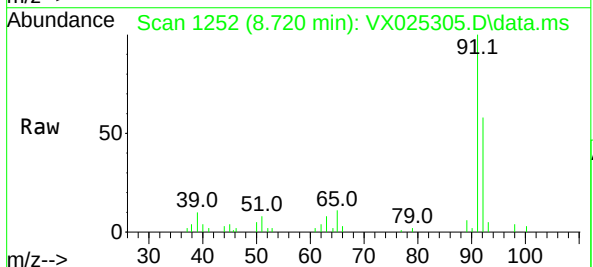
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

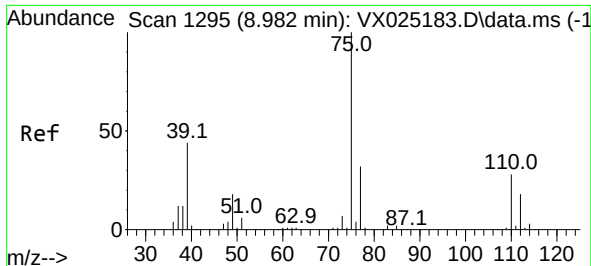
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 189.9 30.9 46.3#



#52
Toluene
Concen: 1.423 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion: 92 Resp: 4590
Ion Ratio Lower Upper
92 100
91 173.0 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 0.372 ug/l

RT: 8.909 min Scan# 11

Delta R.T. -0.073 min

Lab File: VX025305.D

Acq: 24 Nov 2021 03:31

Instrument :

MSVOA_X

ClientSampleId :

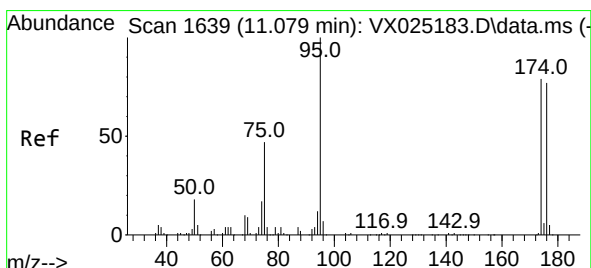
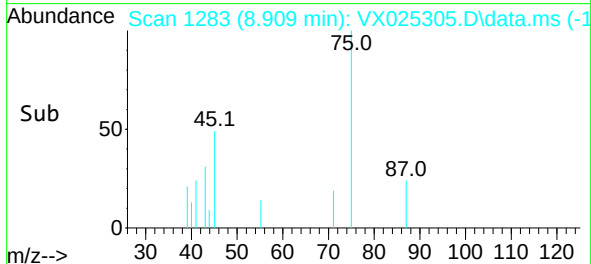
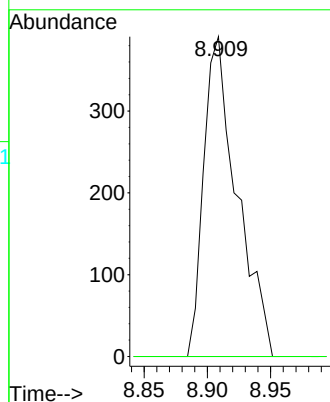
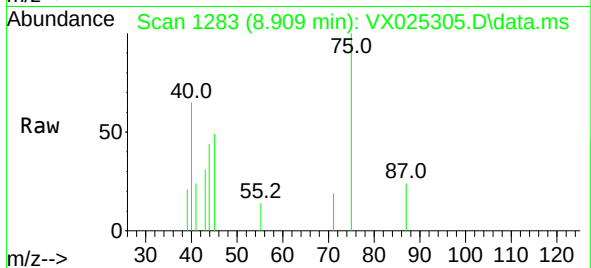
HAR-23

Tgt Ion: 75 Resp: 715

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#



#62

4-Bromofluorobenzene

Concen: 51.001 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025305.D

Acq: 24 Nov 2021 03:31

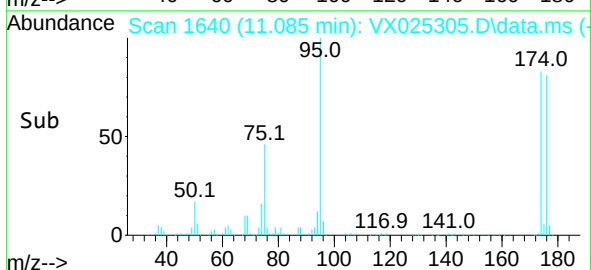
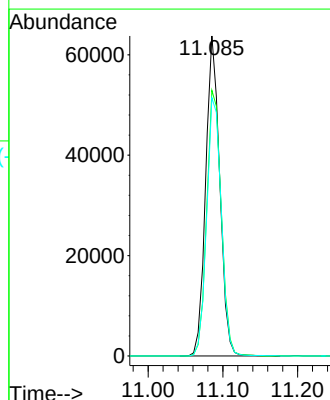
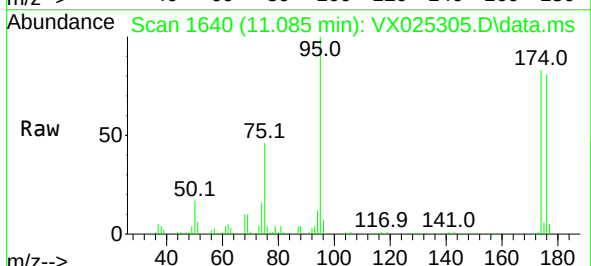
Tgt Ion: 95 Resp: 83179

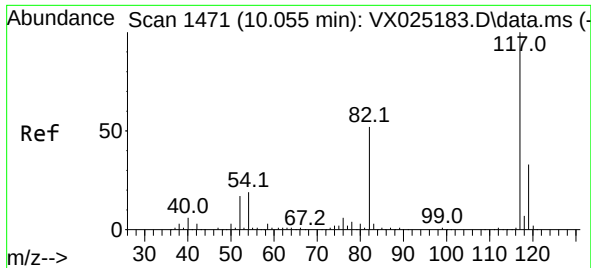
Ion Ratio Lower Upper

95 100

174 86.0 0.0 158.0

176 83.9 0.0 153.6

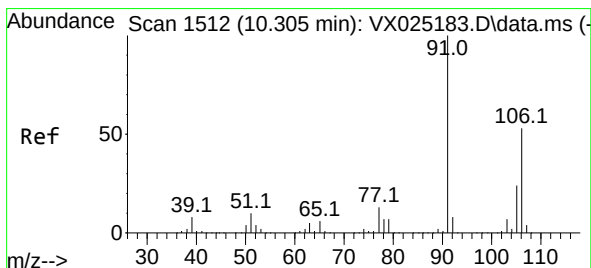
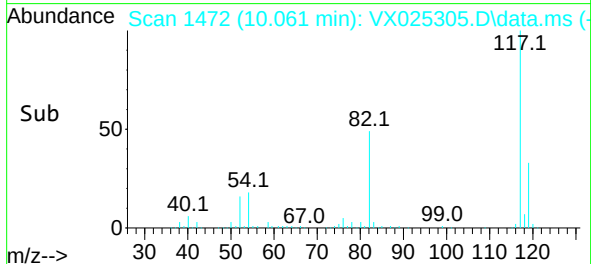
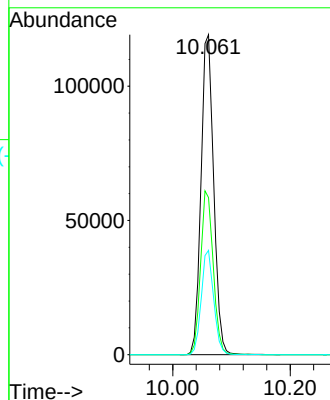
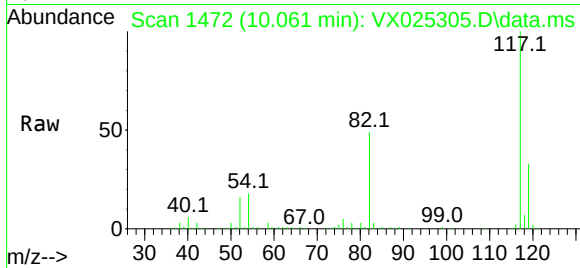




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

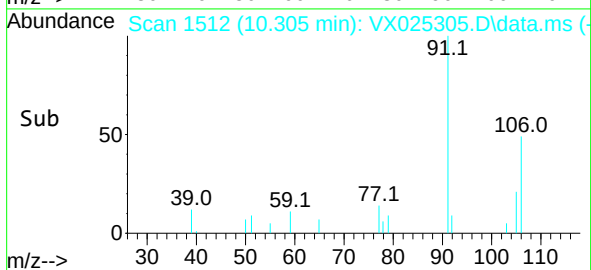
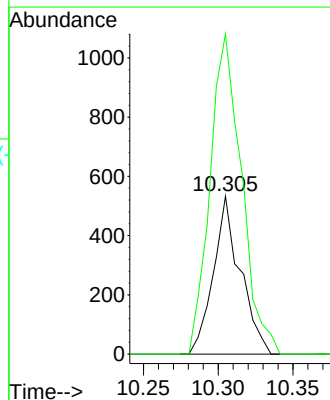
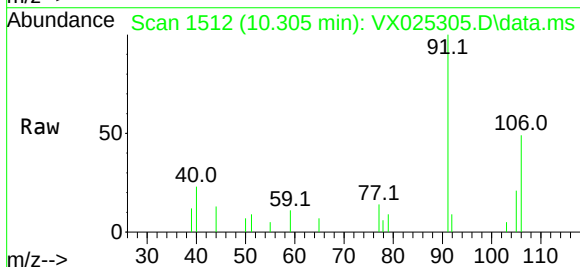
Instrument :
MSVOA_X
ClientSampleId :
HAR-23

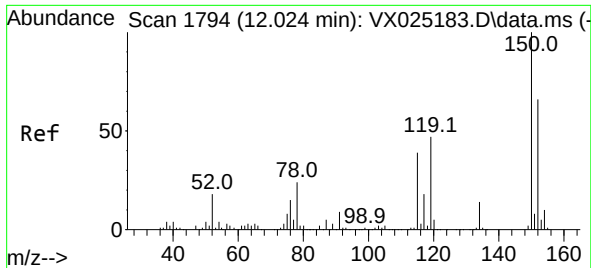
Tgt Ion:117 Resp: 178674
Ion Ratio Lower Upper
117 100
82 49.1 44.6 67.0
119 32.6 24.8 37.2



#68
m/p-Xylenes
Concen: 0.260 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion:106 Resp: 668
Ion Ratio Lower Upper
106 100
91 237.0 163.4 245.0

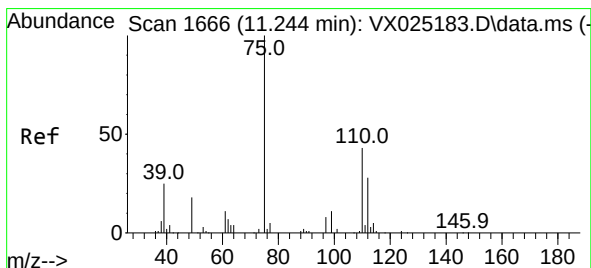
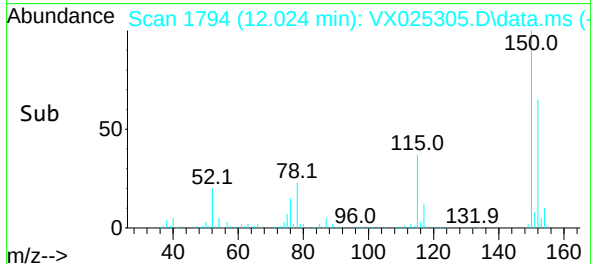
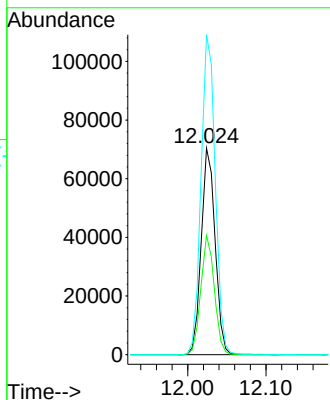
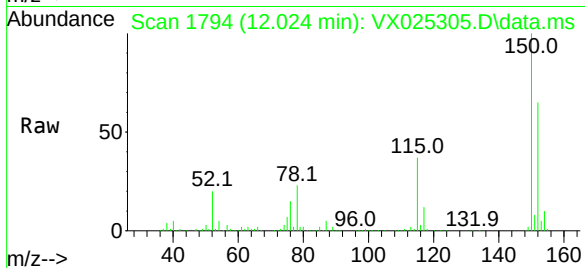




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025305.D
 Acq: 24 Nov 2021 03:31

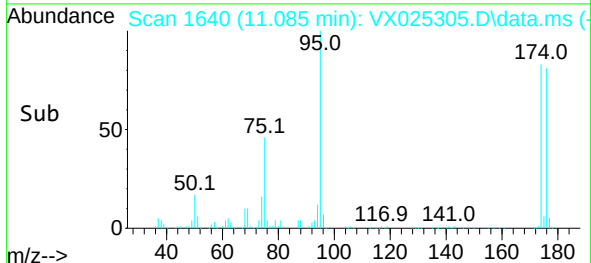
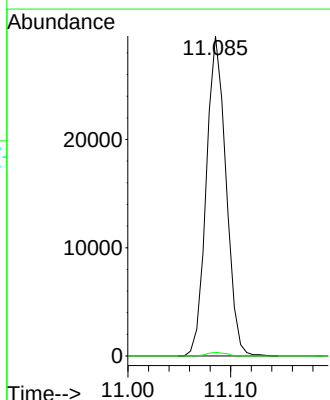
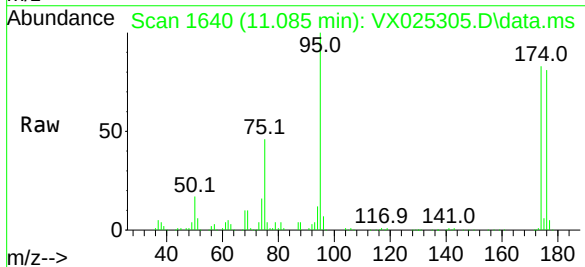
Instrument :
 MSVOA_X
 ClientSampleId :
 HAR-23

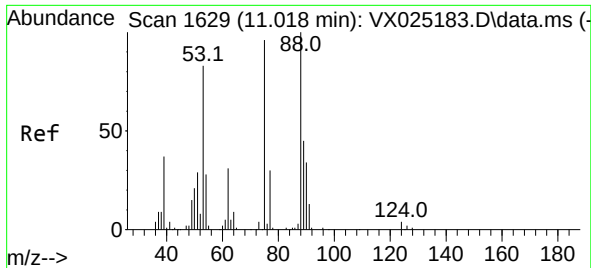
Tgt Ion:152 Resp: 86647
 Ion Ratio Lower Upper
 152 100
 115 56.4 43.3 129.8
 150 158.3 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 22.160 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025305.D
 Acq: 24 Nov 2021 03:31

Tgt Ion: 75 Resp: 39320
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

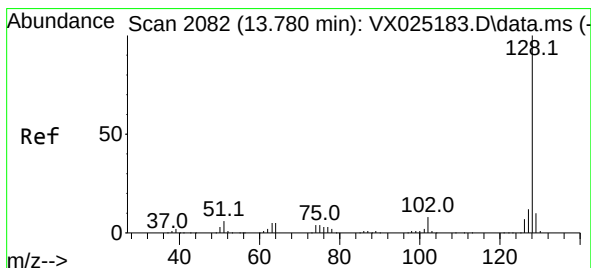
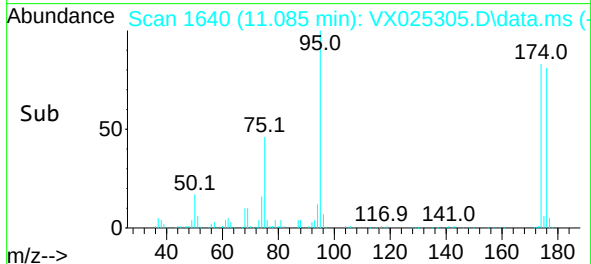
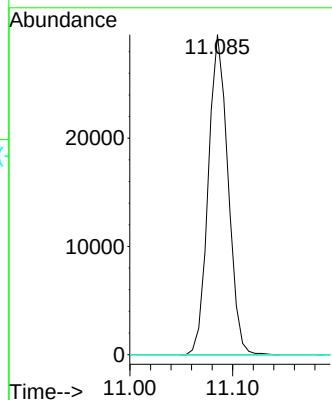
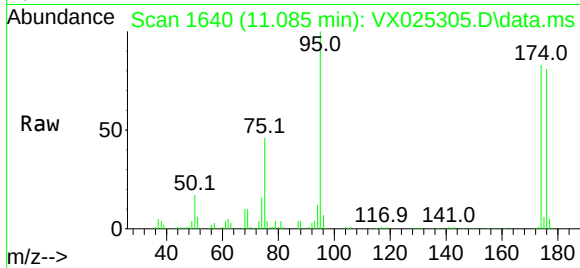




#81
trans-1,4-Dichloro-2-butene
Concen: 55.825 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Instrument :
MSVOA_X
ClientSampleId :
HAR-23

Tgt Ion: 75 Resp: 39320
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.316 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025305.D
Acq: 24 Nov 2021 03:31

Tgt Ion:128 Resp: 4028
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 12.8 8.8 13.2

