

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025307.D
 Acq On : 24 Nov 2021 04:18
 Operator : JC/MD
 Sample : M4795-07
 Misc : 4.72g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HAR-25

Quant Time: Nov 24 05:02:48 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)

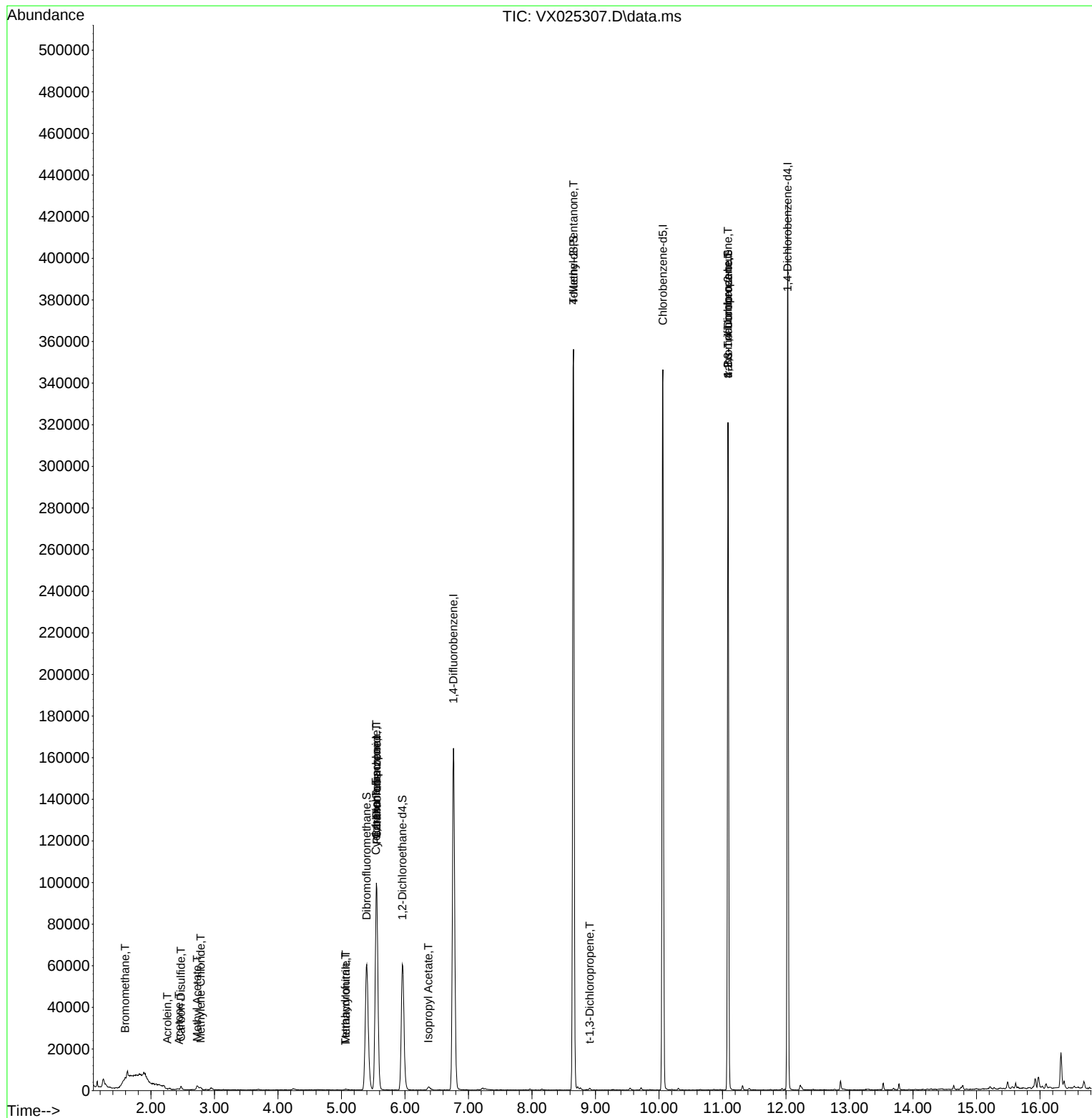
Internal Standards						
1) Pentafluorobenzene	5.556	168	108317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	184815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63412	55.540	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.080%
35) Dibromofluoromethane	5.397	113	60242	50.790	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.580%
50) Toluene-d8	8.653	98	228989	51.348	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.700%
62) 4-Bromofluorobenzene	11.085	95	86814	51.457	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.920%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	334	0.609	ug/l	87
11) Tert butyl alcohol	2.959	59	603	Below Cal	#	72
13) Acrolein	2.258	56	23	0.440	ug/l #	1
16) Acetone	2.441	43	990	1.560	ug/l	92
17) Carbon Disulfide	2.471	76	1909	0.676	ug/l	95
18) Methyl Acetate	2.727	43	3351	1.653	ug/l	96
20) Methylene Chloride	2.782	84	540	0.453	ug/l #	86
29) Tetrahydrofuran	5.062	42	308	0.542	ug/l #	50
31) Cyclohexane	5.544	56	2073	1.175	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	6935	4.112	ug/l #	49
38) Carbon Tetrachloride	5.550	117	9498	5.113	ug/l #	16
41) Methacrylonitrile	5.068	41	296	0.278	ug/l #	23
43) Isopropyl Acetate	6.367	43	1051	0.329	ug/l #	61
51) 4-Methyl-2-Pentanone	8.653	43	1046	0.522	ug/l #	1
53) t-1,3-Dichloropropene	8.909	75	688	0.346	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	41298	22.233	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	41298	56.009	ug/l #	9
95) Naphthalene	13.780	128	2110	Below Cal		100

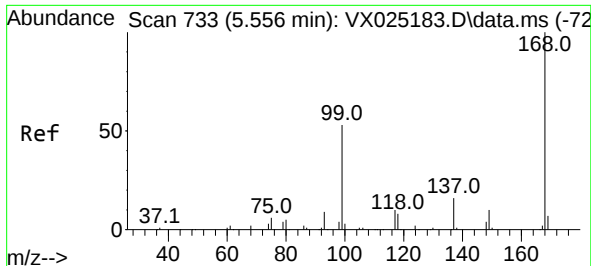
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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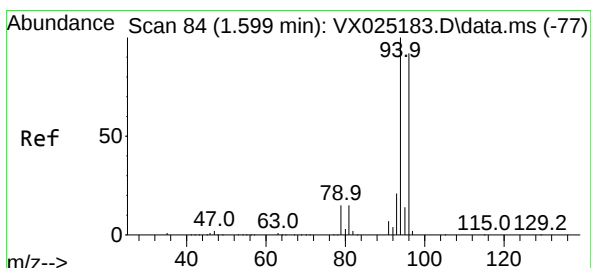
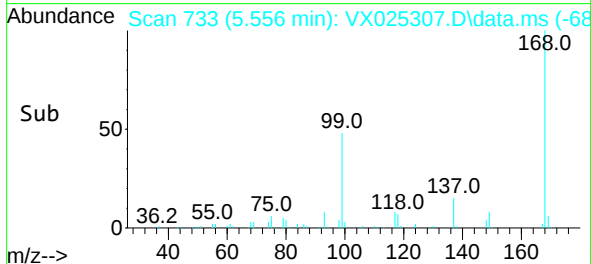
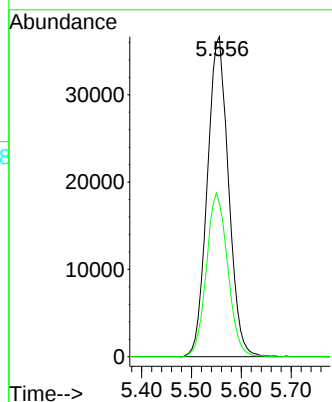
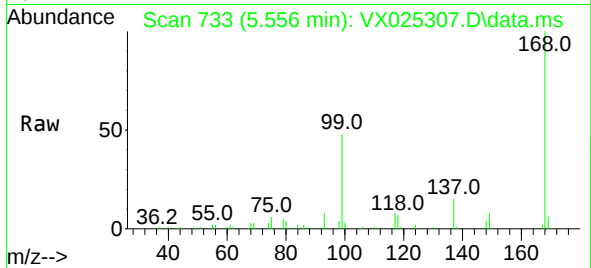




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

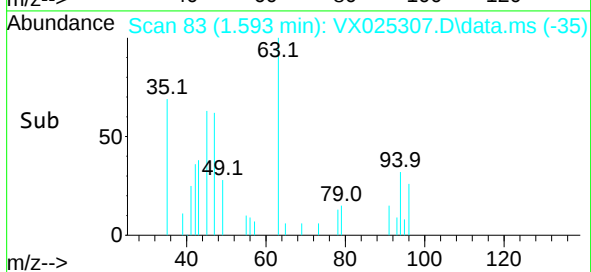
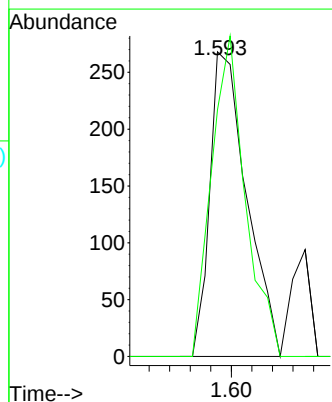
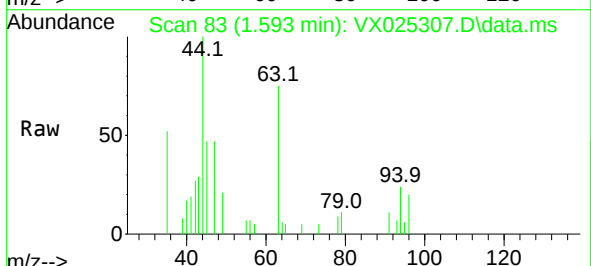
Instrument :
MSVOA_X
ClientSampleId :
HAR-25

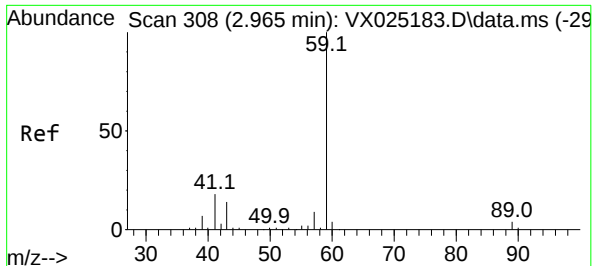
Tgt Ion:168 Resp: 108317
Ion Ratio Lower Upper
168 100
99 47.9 46.4 69.6



#5
Bromomethane
Concen: 0.609 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 81.0 74.8 112.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

Instrument :

MSVOA_X

ClientSampleId :

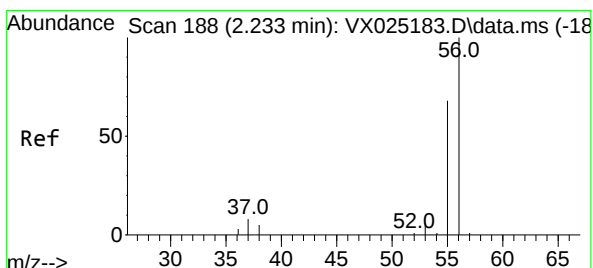
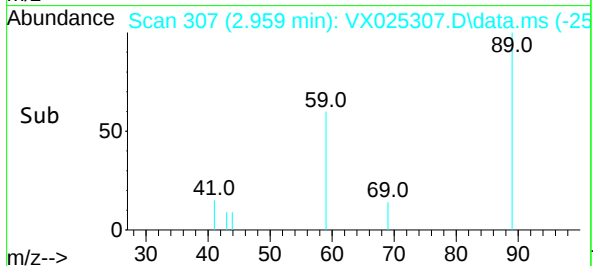
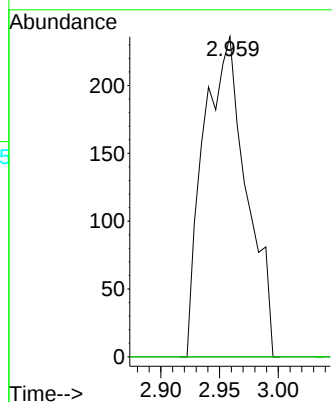
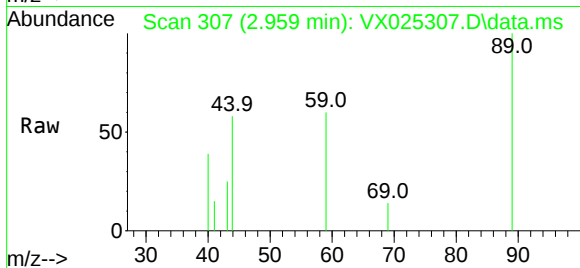
HAR-25

Tgt Ion: 59 Resp: 603

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.440 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.025 min

Lab File: VX025307.D

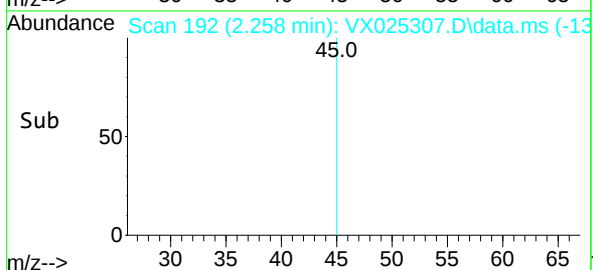
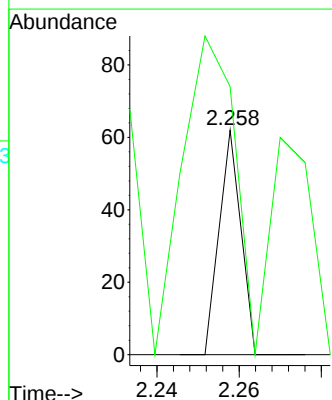
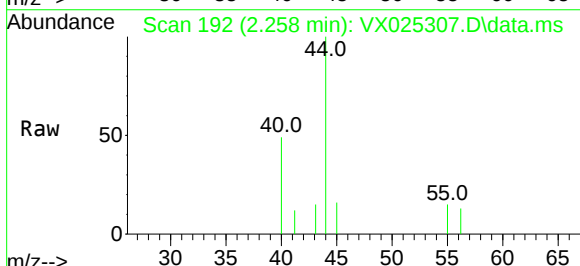
Acq: 24 Nov 2021 04:18

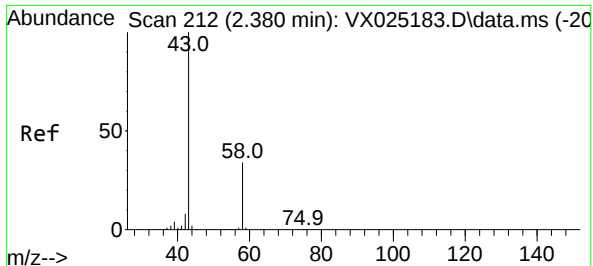
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 339.1 58.6 87.8#

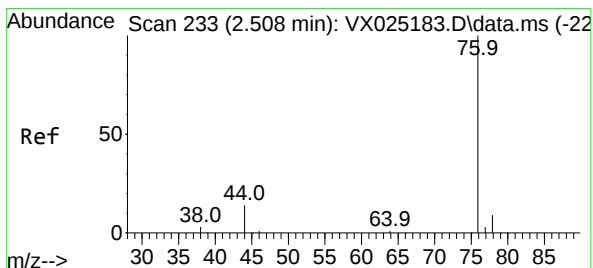
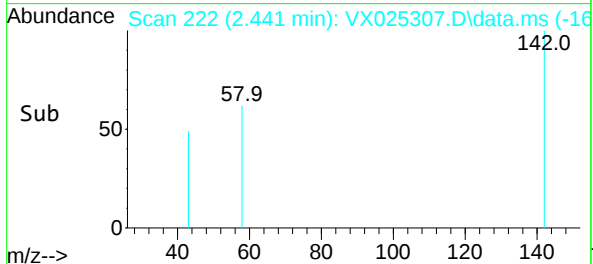
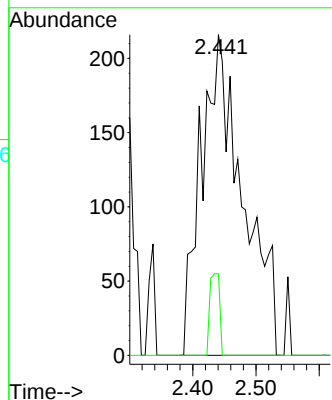
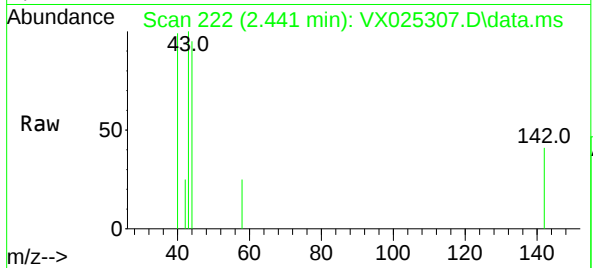




#16
Acetone
Concen: 1.560 ug/l
RT: 2.441 min Scan# 21
Delta R.T. 0.061 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

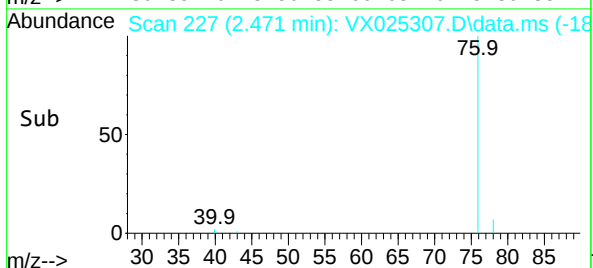
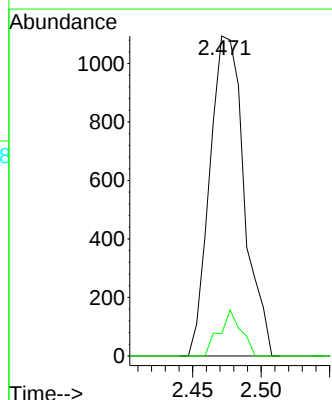
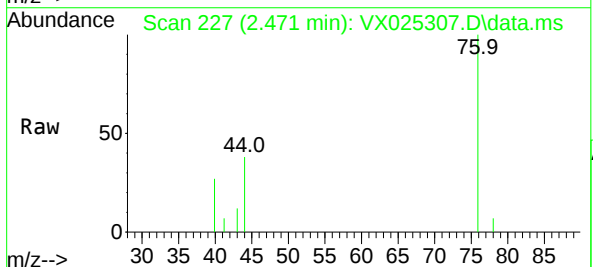
Instrument :
MSVOA_X
ClientSampleId :
HAR-25

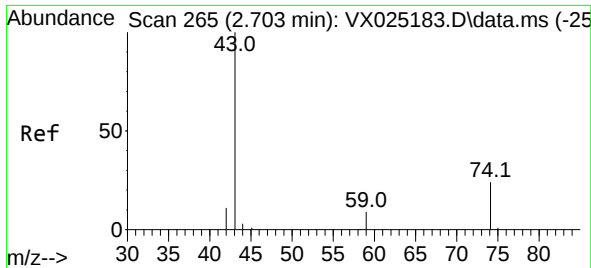
Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 25.5 24.0 36.0



#17
Carbon Disulfide
Concen: 0.676 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.037 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

Tgt Ion: 76 Resp: 1909
Ion Ratio Lower Upper
76 100
78 6.9 6.9 10.3

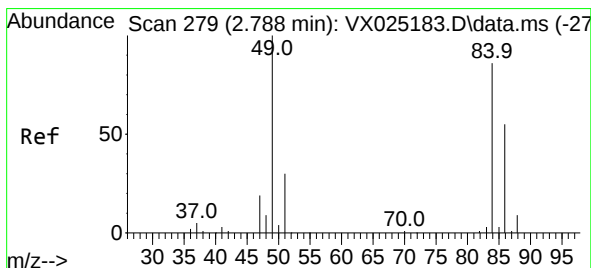
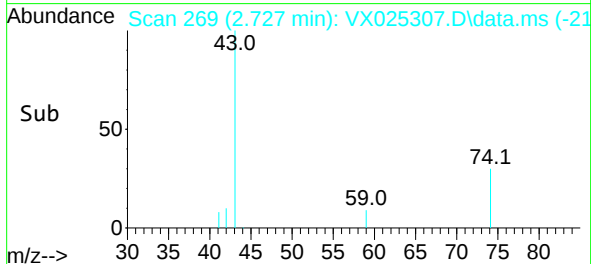
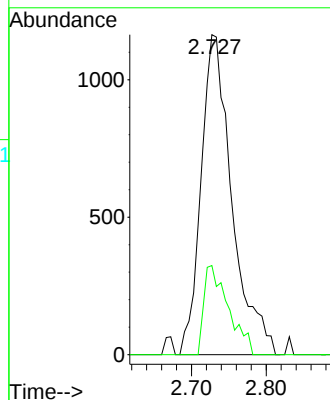
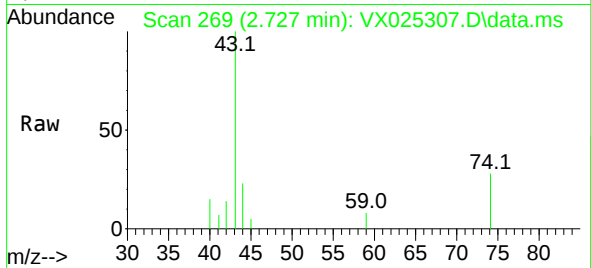




#18
Methyl Acetate
Concen: 1.653 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

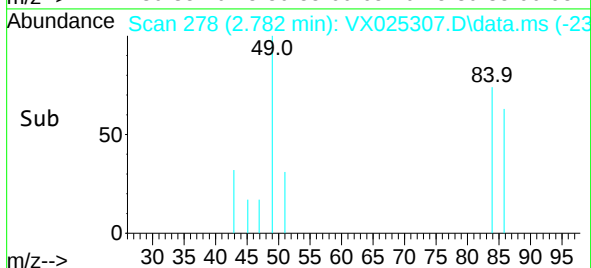
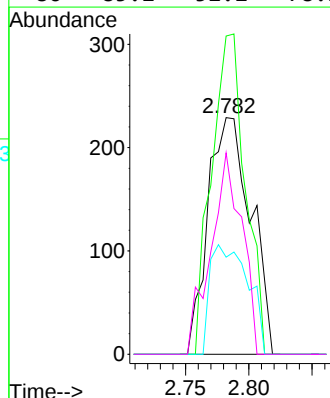
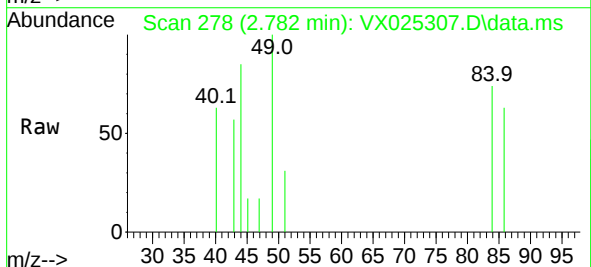
Instrument :
MSVOA_X
ClientSampleId :
HAR-25

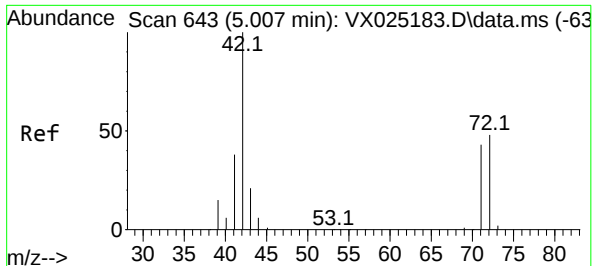
Tgt Ion: 43 Resp: 3351
Ion Ratio Lower Upper
43 100
74 22.0 19.0 28.6



#20
Methylene Chloride
Concen: 0.453 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

Tgt Ion: 84 Resp: 540
Ion Ratio Lower Upper
84 100
49 134.5 98.2 147.2
51 41.0 30.2 45.4
86 85.2 52.2 78.2#





#29

Tetrahydrofuran

Concen: 0.542 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

Instrument :

MSVOA_X

ClientSampleId :

HAR-25

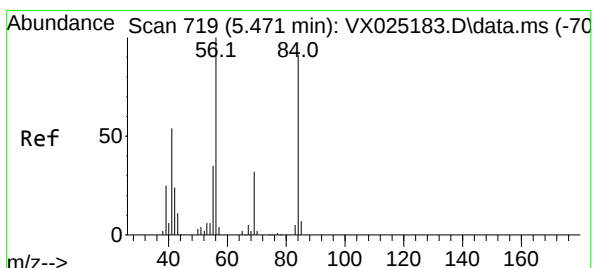
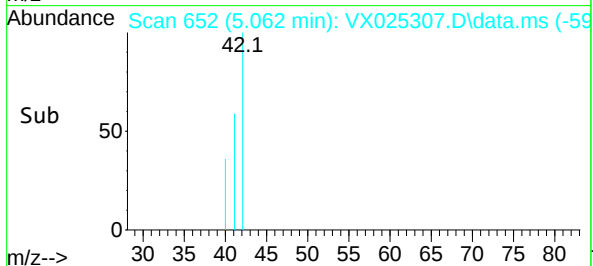
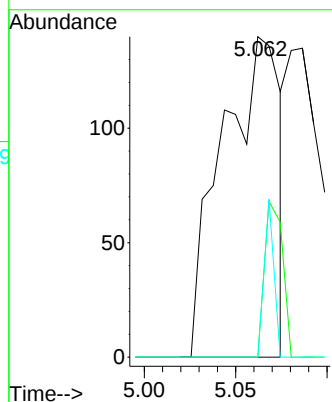
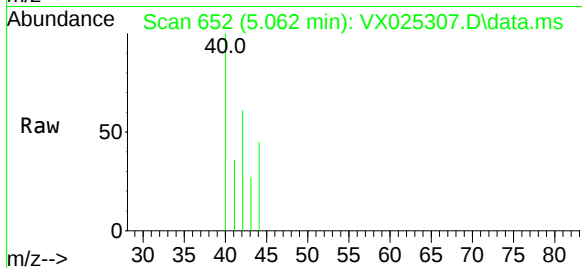
Tgt Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

72 14.9 36.1 54.1#

71 8.1 33.7 50.5#



#31

Cyclohexane

Concen: 1.175 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

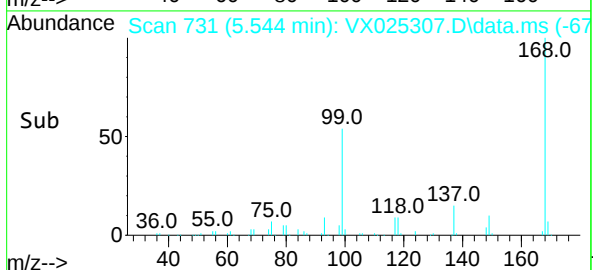
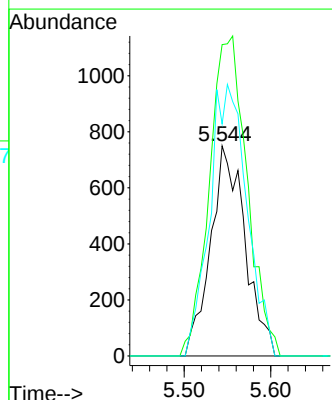
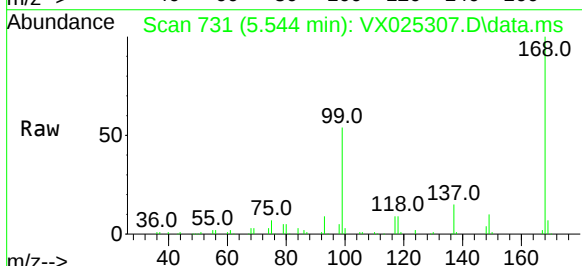
Tgt Ion: 56 Resp: 2073

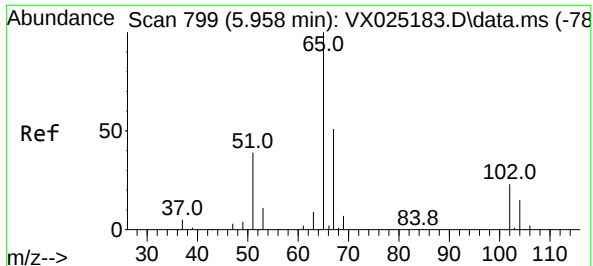
Ion Ratio Lower Upper

56 100

69 148.1 24.2 36.2#

84 110.4 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 55.540 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

Instrument :

MSVOA_X

ClientSampleId :

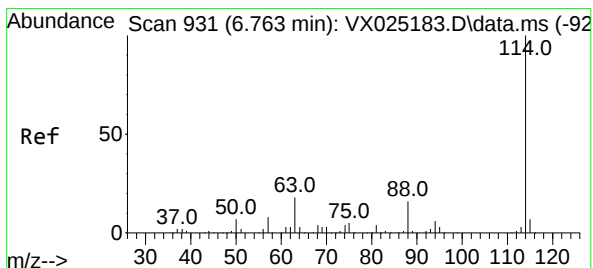
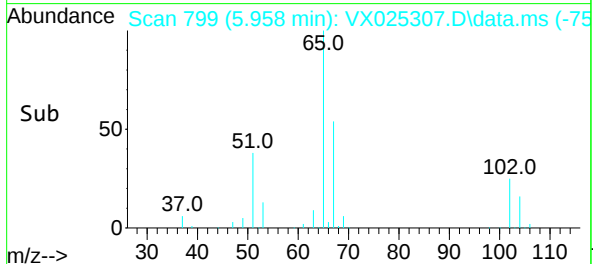
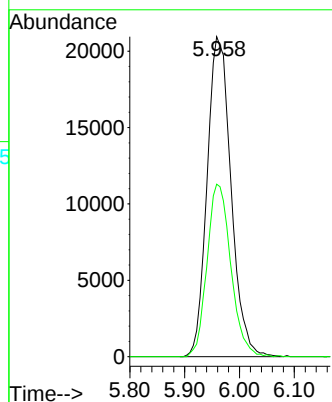
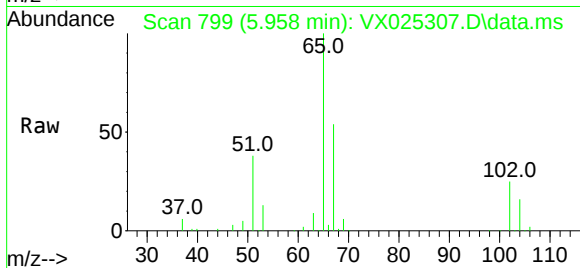
HAR-25

Tgt Ion: 65 Resp: 63412

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

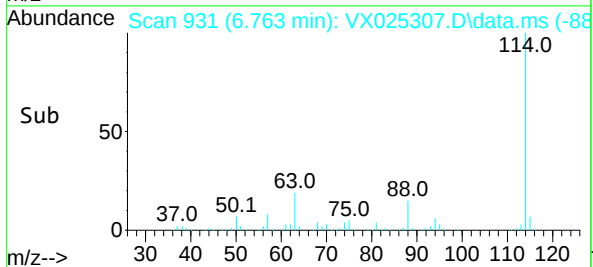
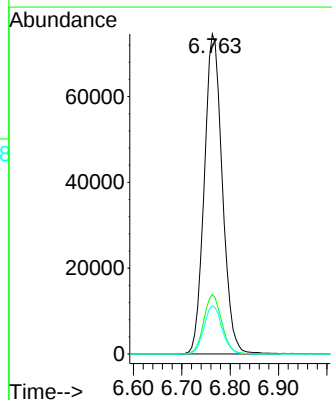
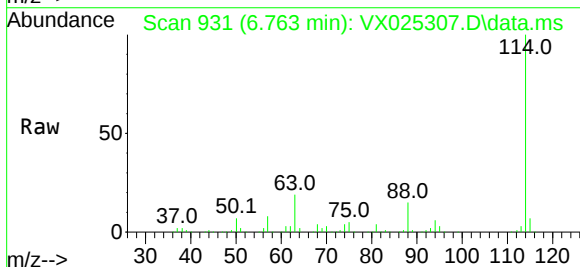
Tgt Ion: 114 Resp: 193312

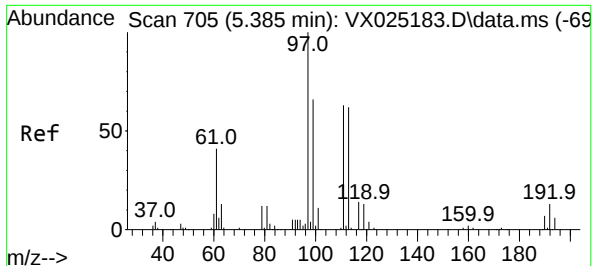
Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.0

88 15.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.790 ug/l

RT: 5.397 min Scan# 705

Delta R.T. 0.012 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

Instrument :

MSVOA_X

ClientSampleId :

HAR-25

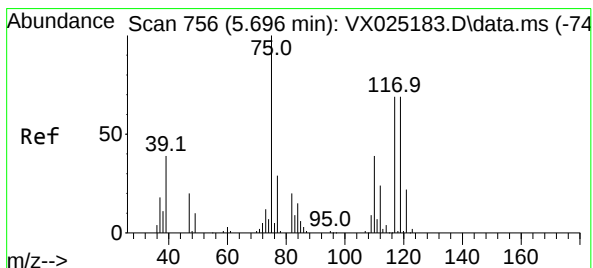
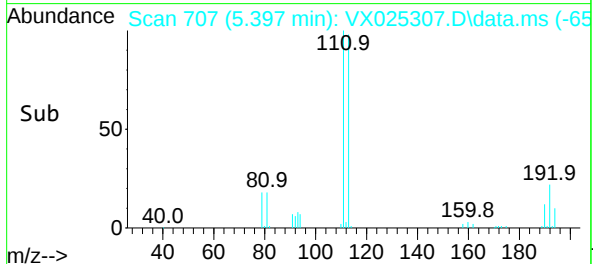
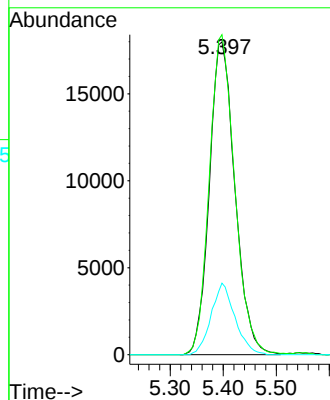
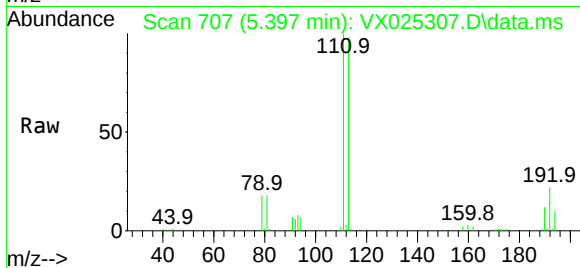
Tgt Ion:113 Resp: 60242

Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

192 21.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.112 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

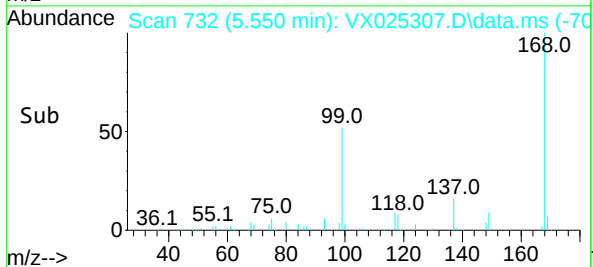
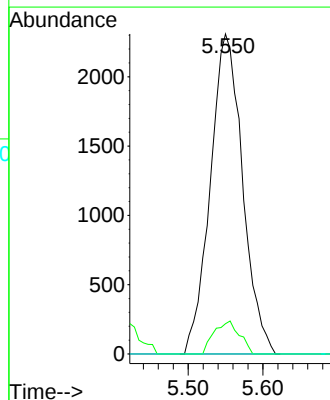
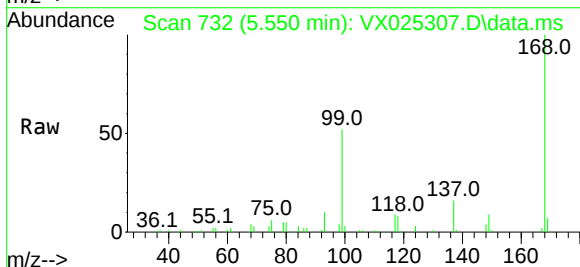
Tgt Ion: 75 Resp: 6935

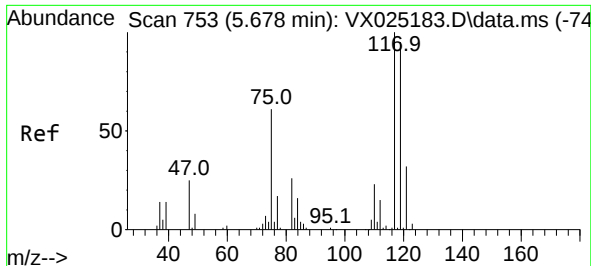
Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.3#

77 0.0 24.4 36.6#

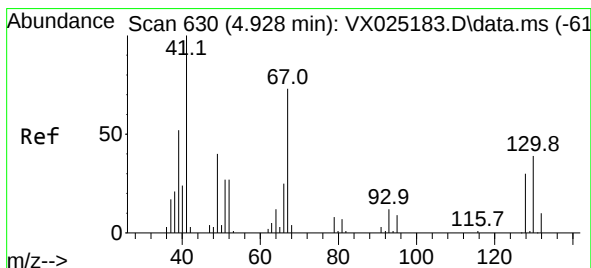
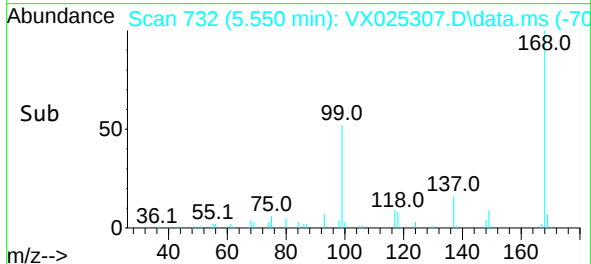
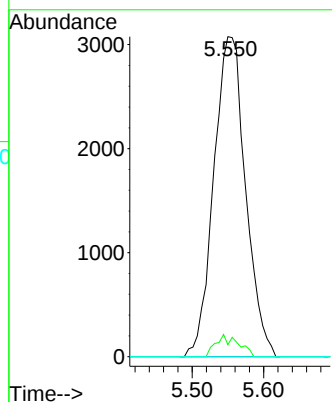
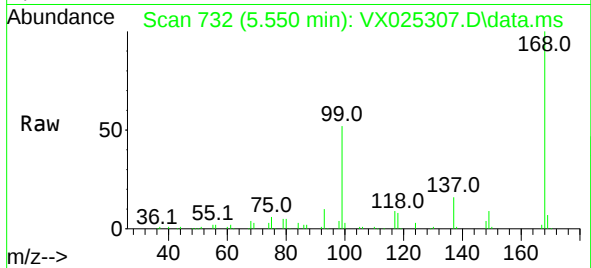




#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

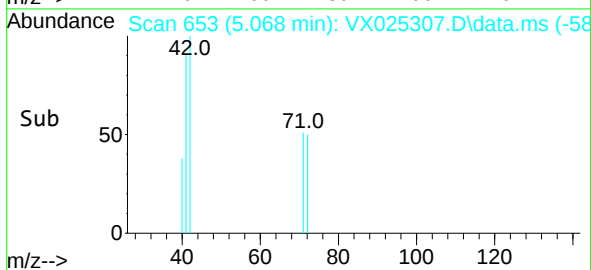
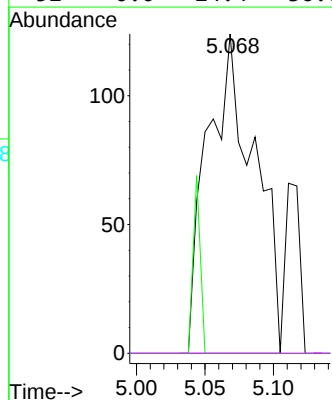
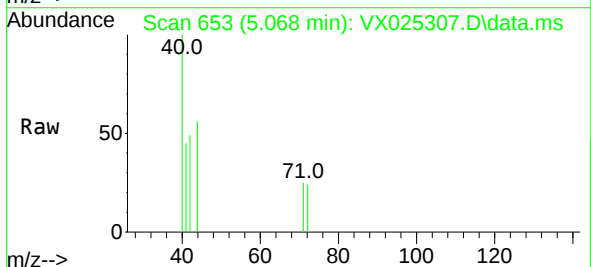
Instrument :
MSVOA_X
ClientSampleId :
HAR-25

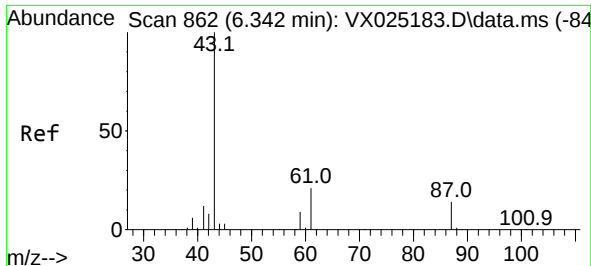
Tgt Ion:117 Resp: 9498
Ion Ratio Lower Upper
117 100
119 3.7 75.6 113.4#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 0.278 ug/l
RT: 5.068 min Scan# 653
Delta R.T. 0.140 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

Tgt Ion: 41 Resp: 296
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 56.7 85.1#
52 0.0 24.4 36.6#

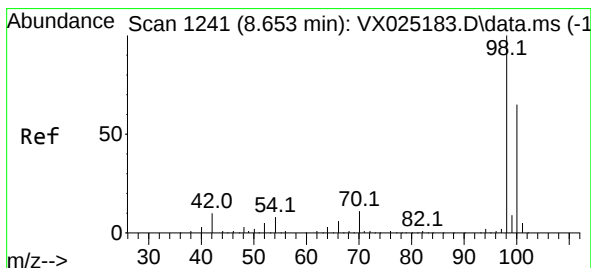
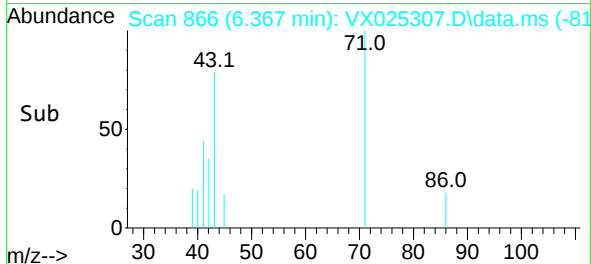
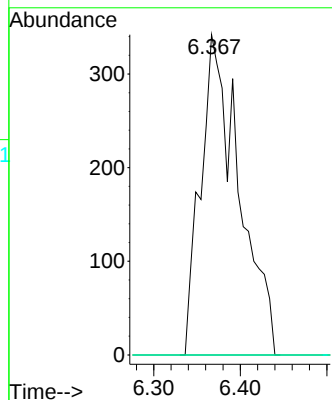
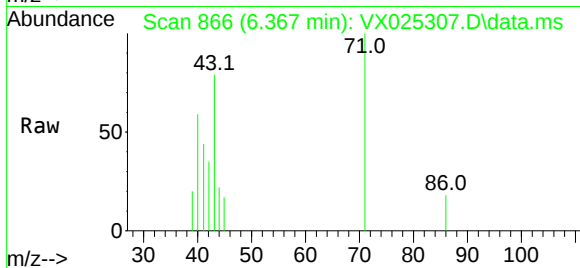




#43
Isopropyl Acetate
Concen: 0.329 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.025 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

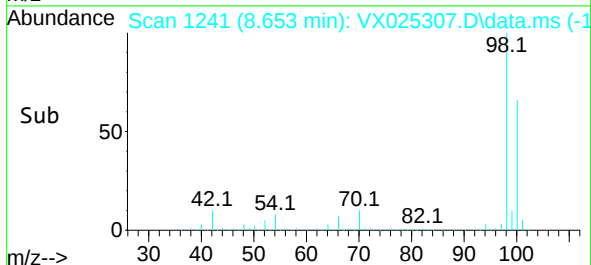
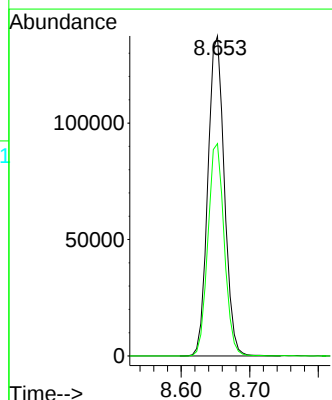
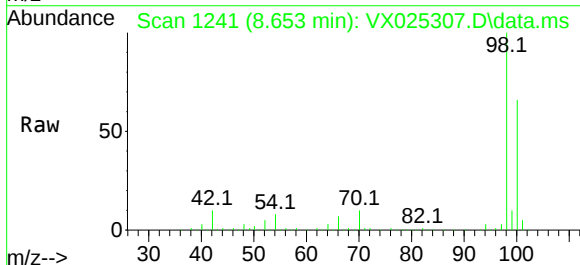
Instrument :
MSVOA_X
ClientSampleId :
HAR-25

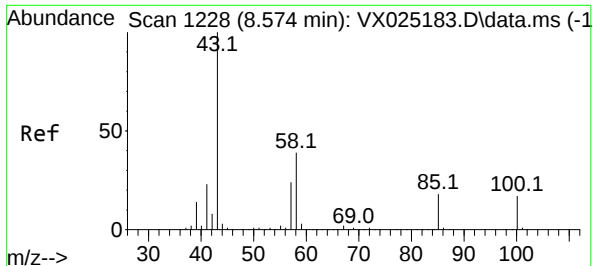
Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#



#50
Toluene-d8
Concen: 51.348 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025307.D
Acq: 24 Nov 2021 04:18

Tgt Ion: 98 Resp: 228989
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.522 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

Instrument :

MSVOA_X

ClientSampleId :

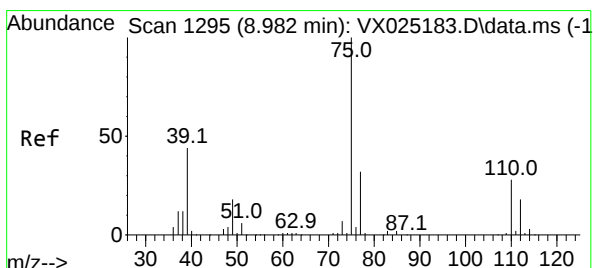
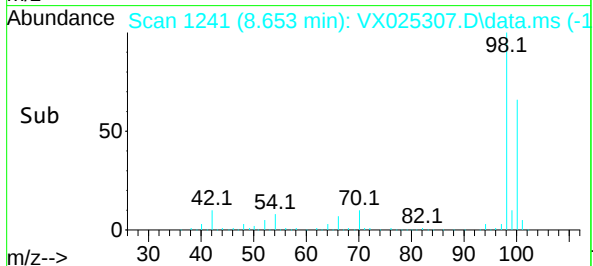
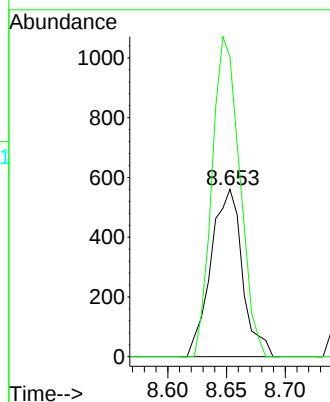
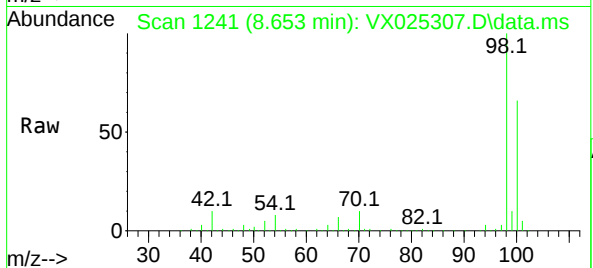
HAR-25

Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 168.2 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 0.346 ug/l

RT: 8.909 min Scan# 1283

Delta R.T. -0.073 min

Lab File: VX025307.D

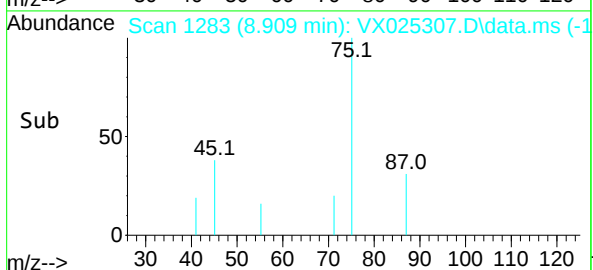
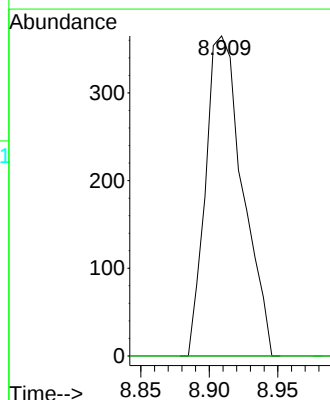
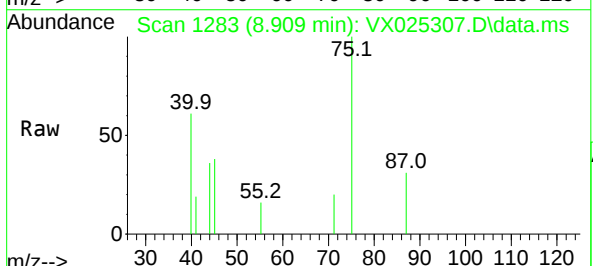
Acq: 24 Nov 2021 04:18

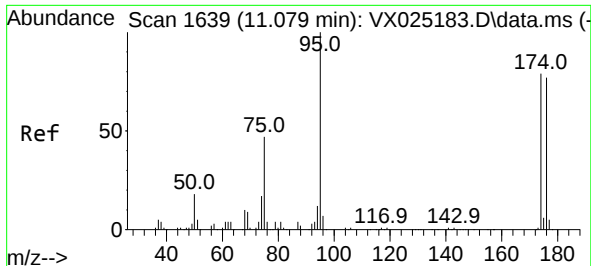
Tgt Ion: 75 Resp: 688

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#





#62

4-Bromofluorobenzene

Concen: 51.457 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

Instrument :

MSVOA_X

ClientSampleId :

HAR-25

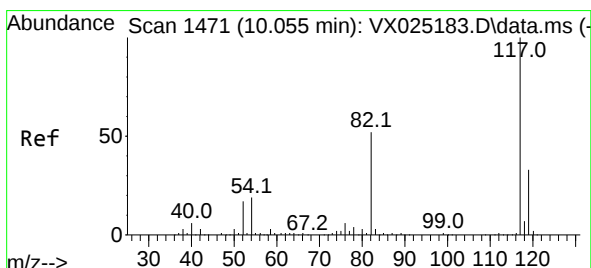
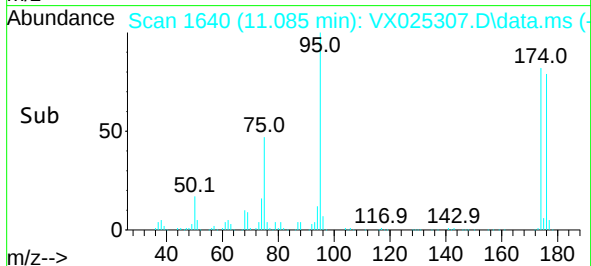
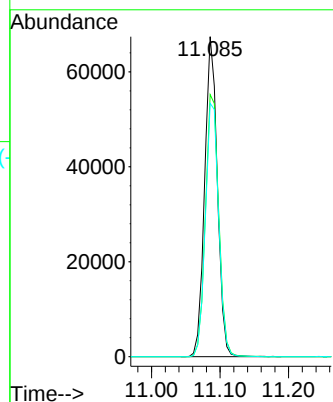
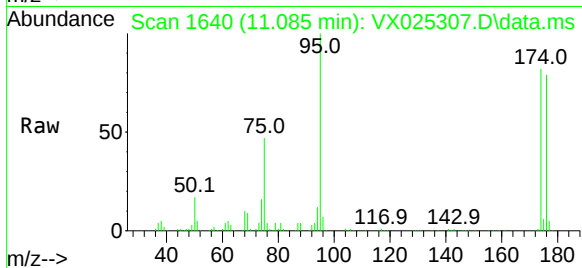
Tgt Ion: 95 Resp: 86814

Ion Ratio Lower Upper

95 100

174 86.3 0.0 158.0

176 83.5 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VX025307.D

Acq: 24 Nov 2021 04:18

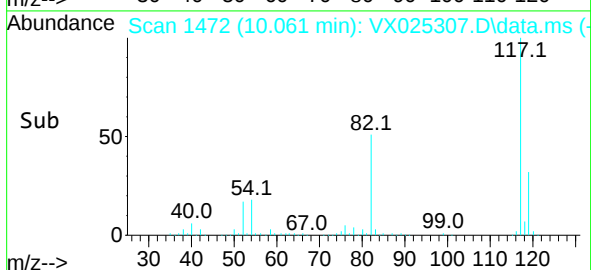
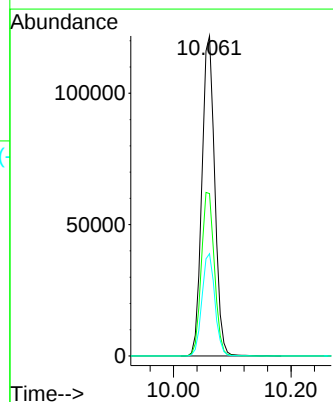
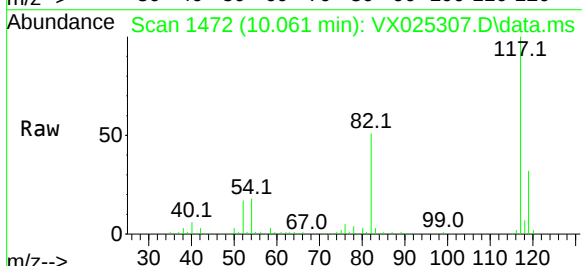
Tgt Ion: 117 Resp: 184815

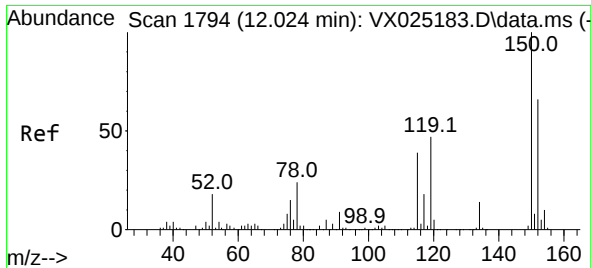
Ion Ratio Lower Upper

117 100

82 50.7 44.6 67.0

119 32.0 24.8 37.2

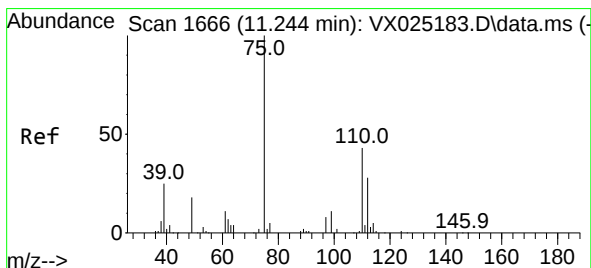
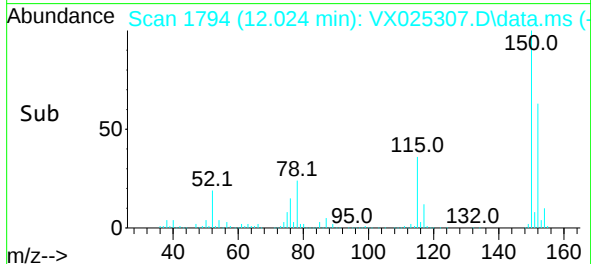
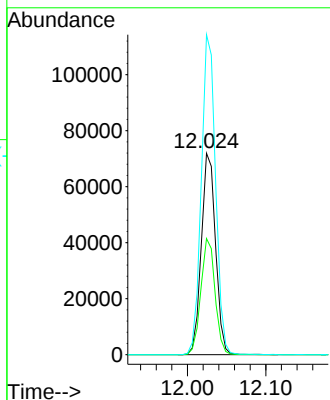
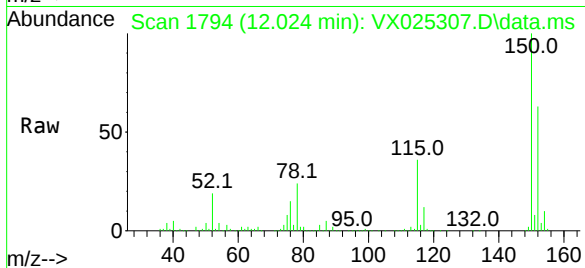




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025307.D
 Acq: 24 Nov 2021 04:18

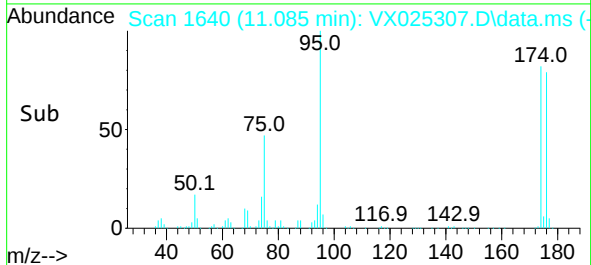
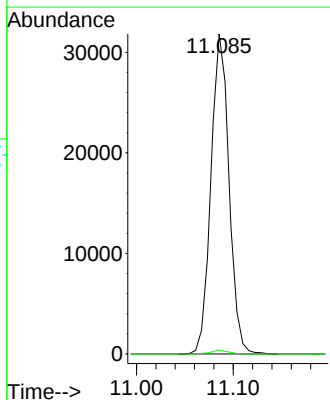
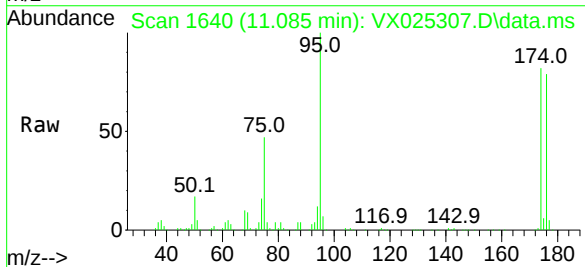
Instrument :
 MSVOA_X
 ClientSampleId :
 HAR-25

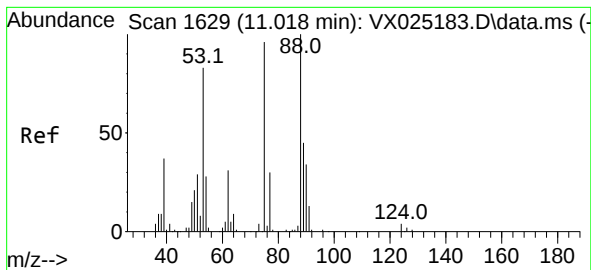
Tgt Ion:152 Resp: 90707
 Ion Ratio Lower Upper
 152 100
 115 57.4 43.3 129.8
 150 159.4 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 22.233 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025307.D
 Acq: 24 Nov 2021 04:18

Tgt Ion: 75 Resp: 41298
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.009 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025307.D
 Acq: 24 Nov 2021 04:18

Instrument :
 MSVOA_X
 ClientSampleId :
 HAR-25

Tgt Ion: 75 Resp: 41298
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.0 38.2 57.2#

