

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024232.D
 Acq On : 15 Sep 2021 01:43
 Operator : JC/MD
 Sample : PB139076TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139076TB

Quant Time: Sep 15 07:30:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

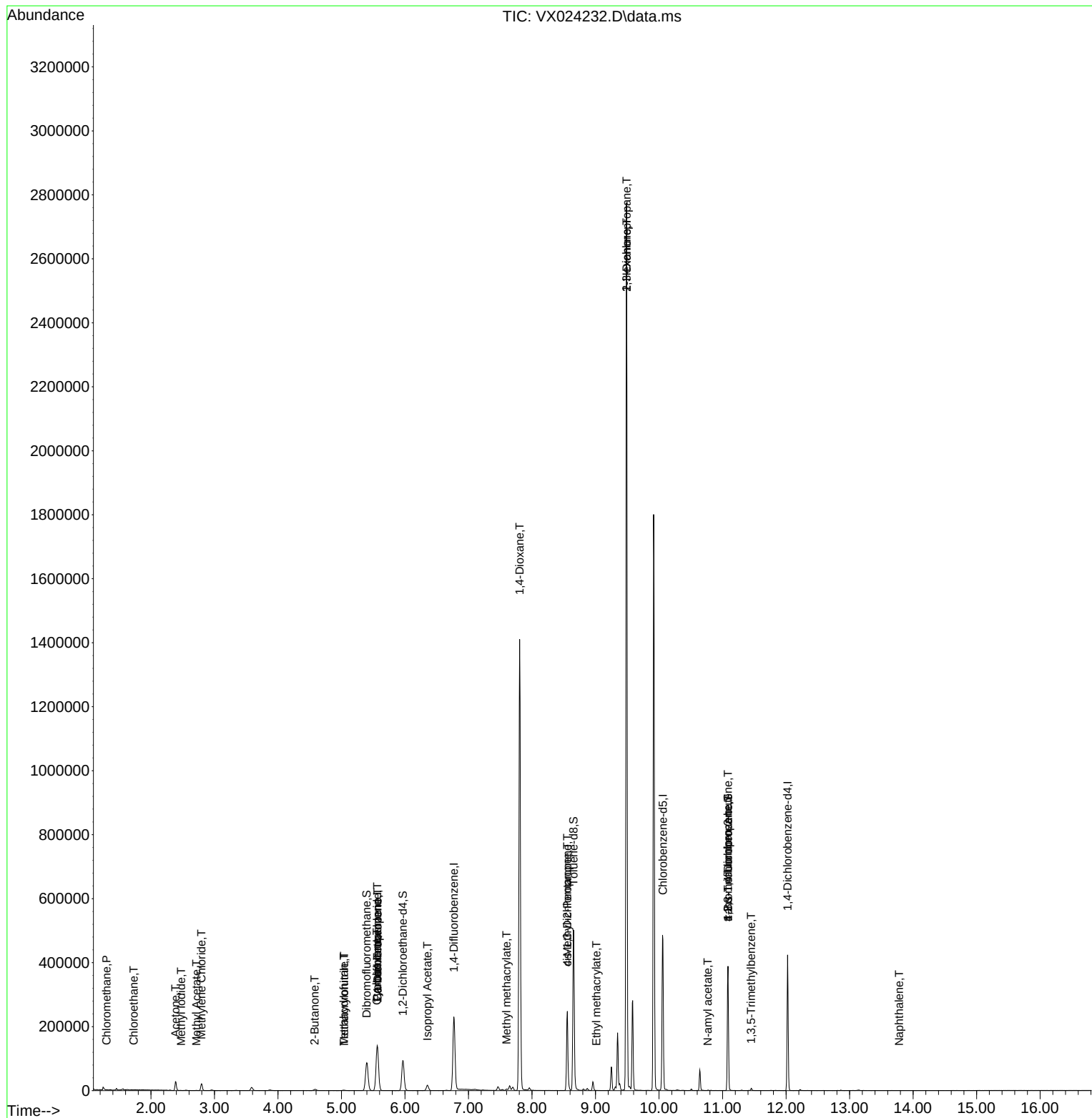
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	130651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	224653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	217467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96017	51.538	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.080%	
35) Dibromofluoromethane	5.397	113	75406	50.050	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	8.653	98	284245	51.789	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	11.085	95	97728	45.754	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.500%	
Target Compounds						Qvalue
3) Chloromethane	1.301	50	288	0.220	ug/l #	42
6) Chloroethane	1.727	64	189	2.173	ug/l #	43
10) Methyl Iodide	2.477	142	511	0.287	ug/l #	88
11) Tert butyl alcohol	2.959	59	1436	Below Cal	#	73
16) Acetone	2.386	43	29828	37.548	ug/l #	87
18) Methyl Acetate	2.715	43	1014	0.407	ug/l #	70
20) Methylene Chloride	2.794	84	9597	6.291	ug/l	93
25) 2-Butanone	4.574	43	5109	4.367	ug/l #	84
29) Tetrahydrofuran	5.038	42	1356	1.852	ug/l #	69
31) Cyclohexane	5.556	56	2973	1.364	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10063	4.872	ug/l #	46
38) Carbon Tetrachloride	5.562	117	13606	5.853	ug/l #	17
41) Methacrylonitrile	5.044	41	915	0.713	ug/l #	39
43) Isopropyl Acetate	6.355	43	22434	5.856	ug/l	93
48) Methyl methacrylate	7.598	41	6056	3.168	ug/l #	10
49) 1,4-Dioxane	7.806	88	132	3.298	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	88276	36.160	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	36451	14.595	ug/l #	69
56) Ethyl methacrylate	9.013	69	144	1.413	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	22445	8.335	ug/l #	43
59) 2-Hexanone	9.488	43	327885	172.368	ug/l #	43
74) N-amyl acetate	10.768	43	594	0.229	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	53636	28.182	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	3099	0.596	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	53636	82.883	ug/l #	12
95) Naphthalene	13.780	128	185	1.318	ug/l #	69

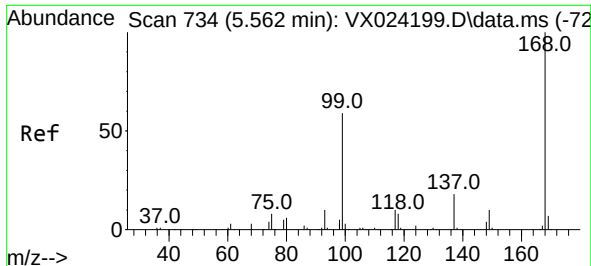
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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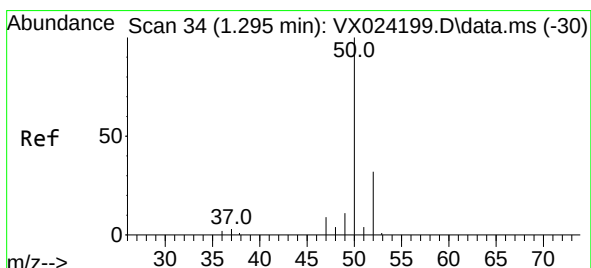
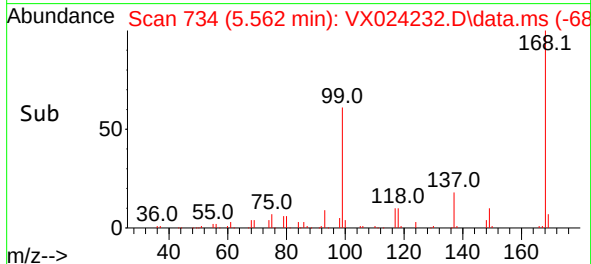
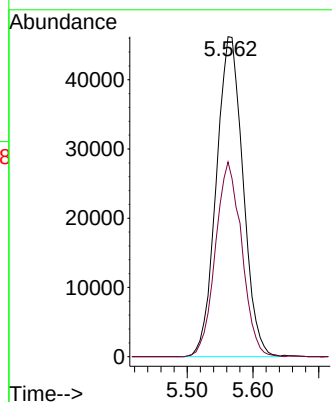
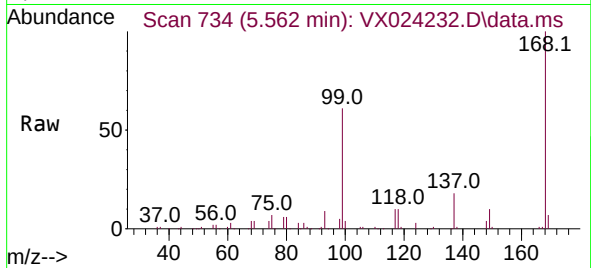




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

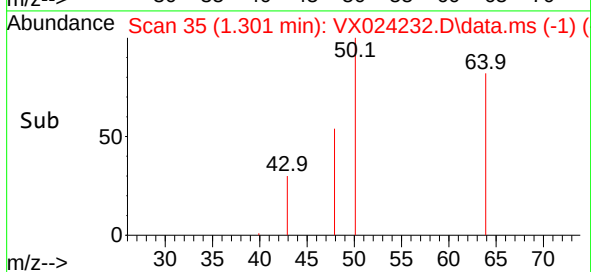
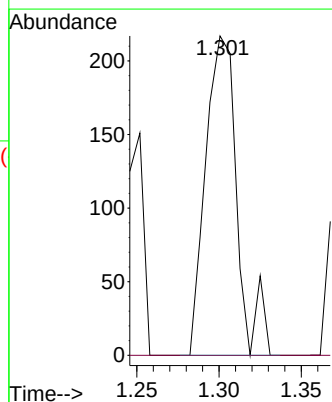
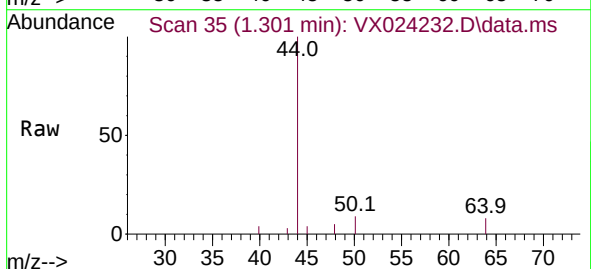
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

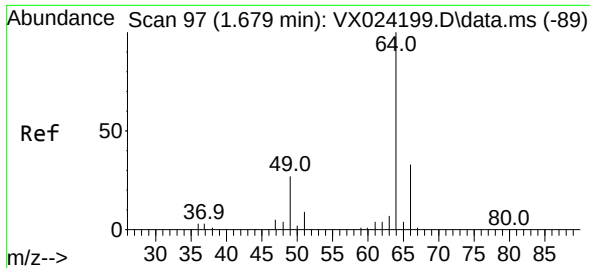
Tgt Ion:168 Resp: 130651
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

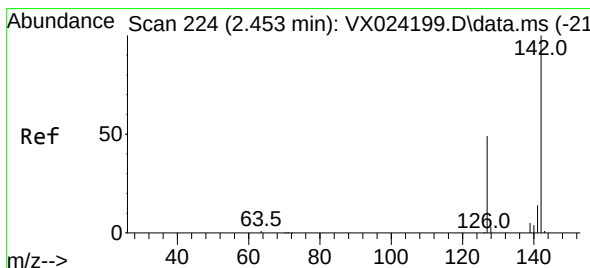
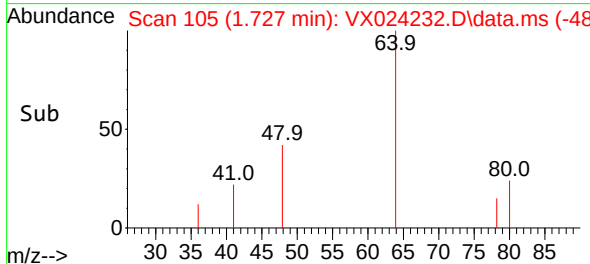
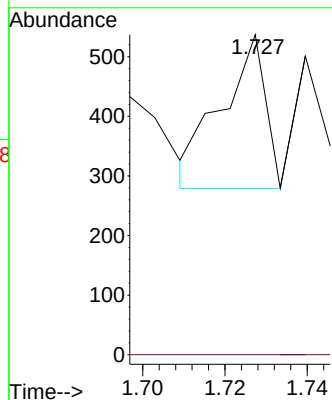
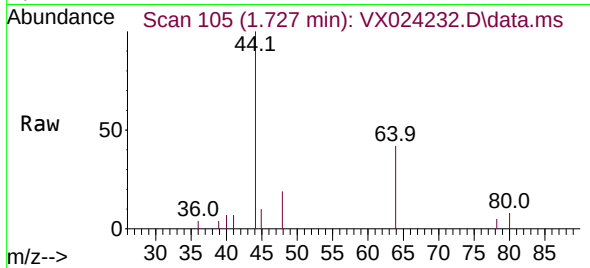




#6
Chloroethane
Concen: 2.173 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.048 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

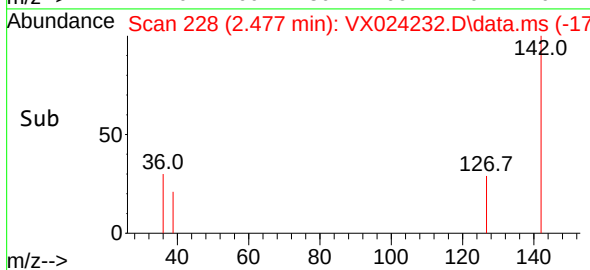
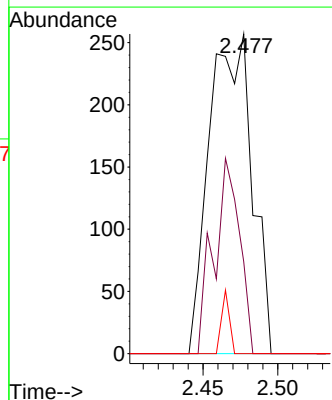
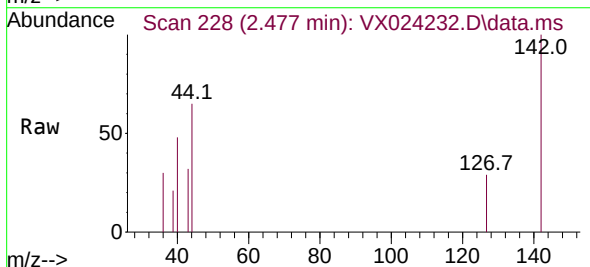
Instrument :
MSVOA_X
ClientSampled :
PB139076TB

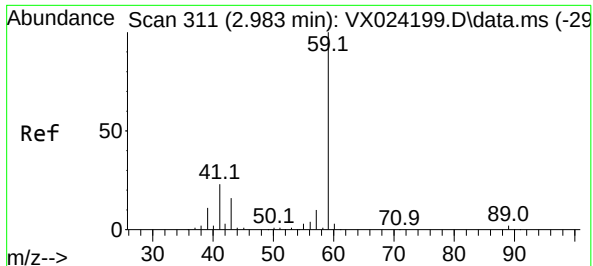
Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.287 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 142 Resp: 511
Ion Ratio Lower Upper
142 100
127 36.6 33.3 49.9
141 3.7 11.4 17.0#



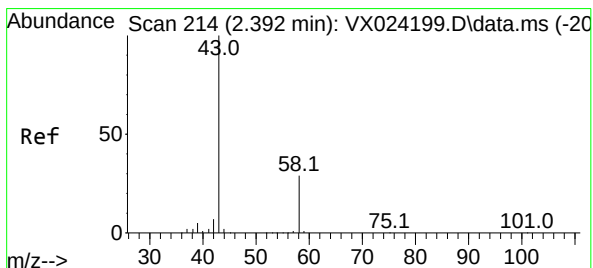
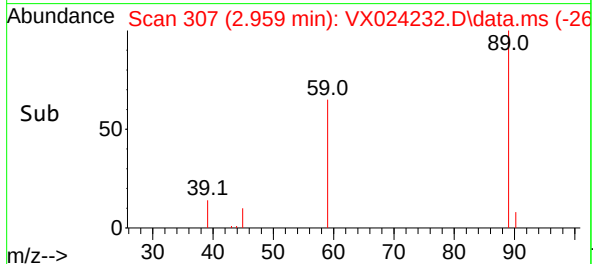
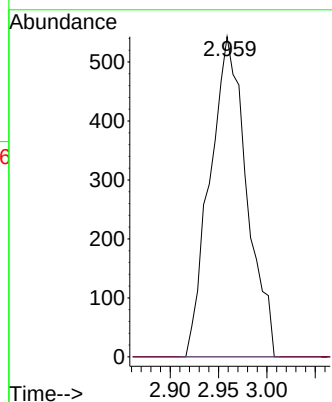
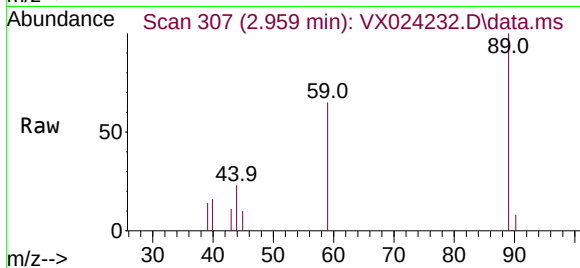


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

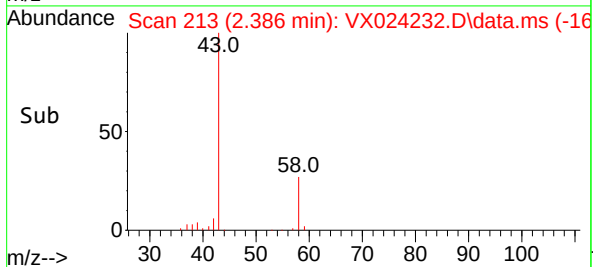
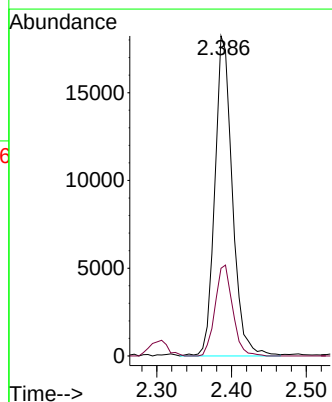
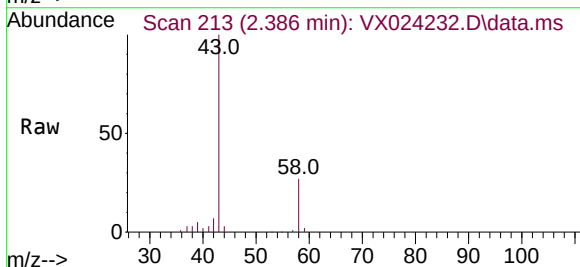
Tgt Ion: 59 Resp: 1436
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

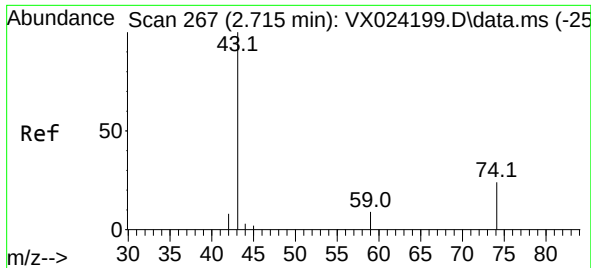


#16

Acetone
Concen: 37.548 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 43 Resp: 29828
Ion Ratio Lower Upper
43 100
58 27.4 27.8 41.8#

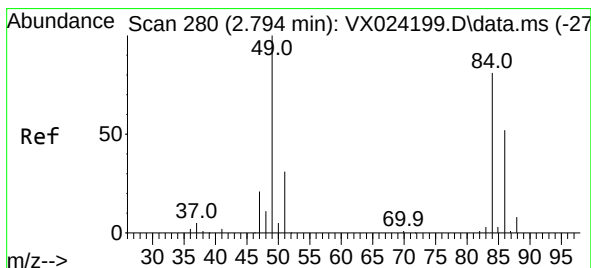
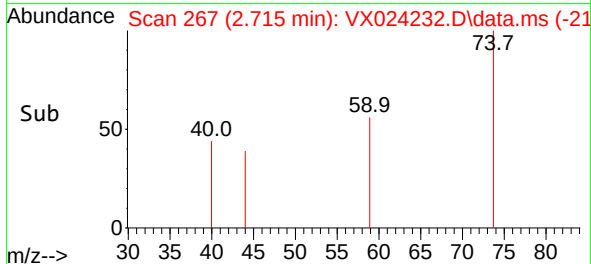
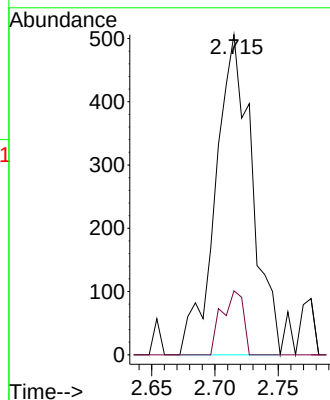
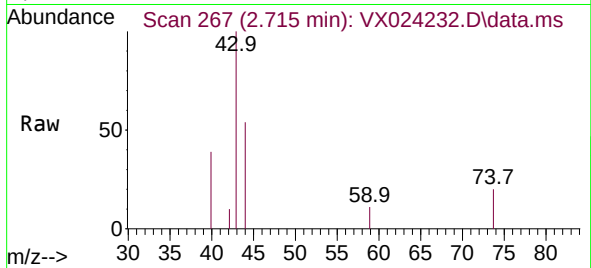




#18
Methyl Acetate
Concen: 0.407 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

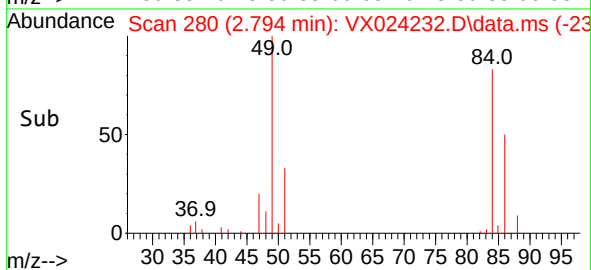
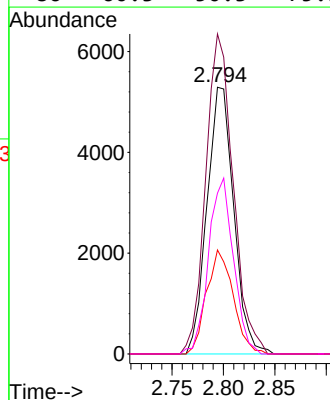
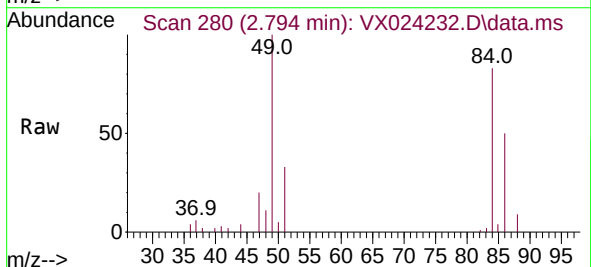
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

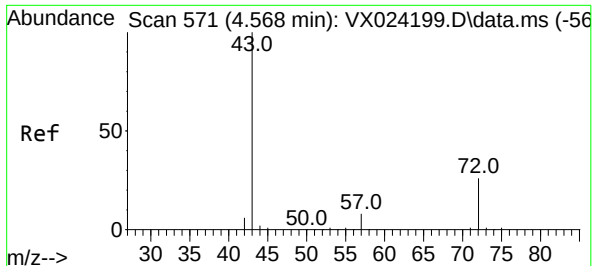
Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
74 11.8 21.9 32.9#



#20
Methylene Chloride
Concen: 6.291 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 84 Resp: 9597
Ion Ratio Lower Upper
84 100
49 120.0 88.6 132.8
51 39.0 27.0 40.6
86 60.3 50.3 75.5

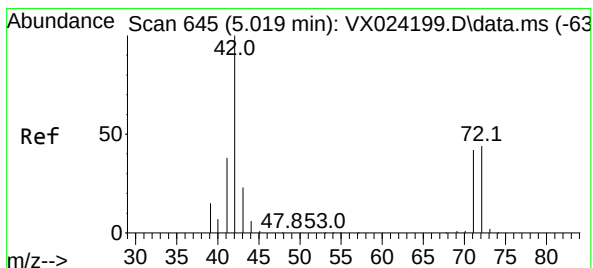
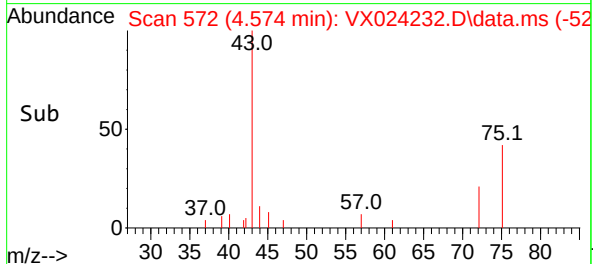
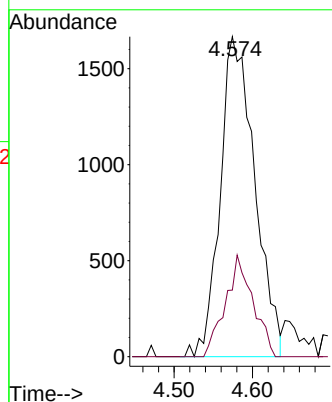
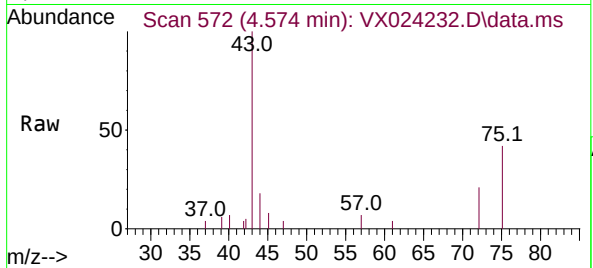




#25
2-Butanone
Concen: 4.367 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

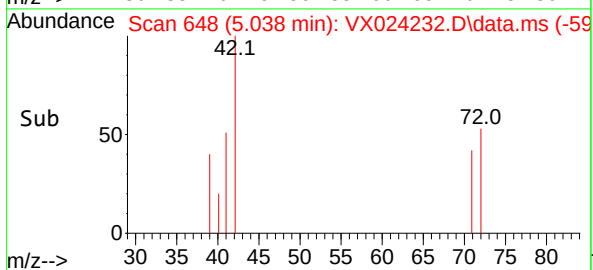
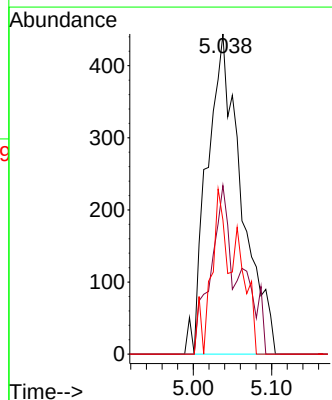
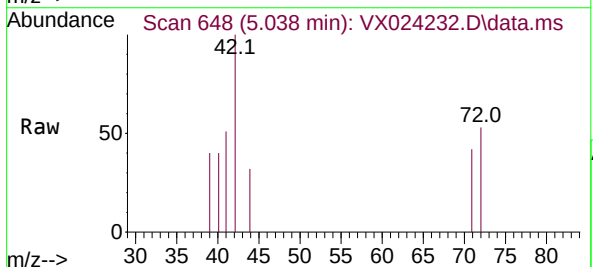
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ClientSampled :
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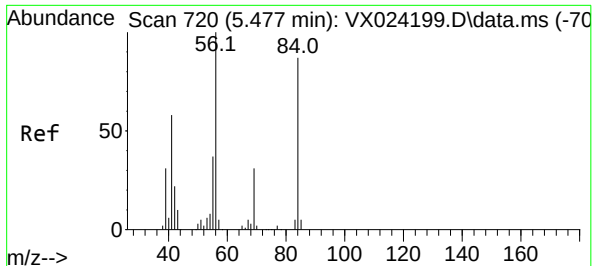
Tgt Ion: 43 Resp: 5109
Ion Ratio Lower Upper
43 100
72 20.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.852 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 42 Resp: 1356
Ion Ratio Lower Upper
42 100
72 31.6 41.7 62.5#
71 25.2 38.4 57.6#

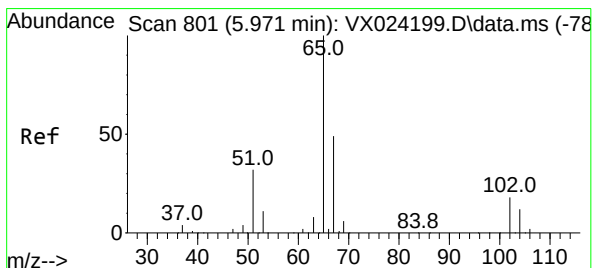
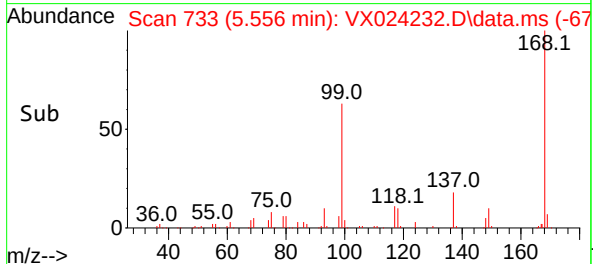
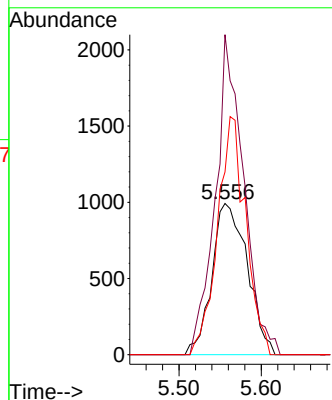
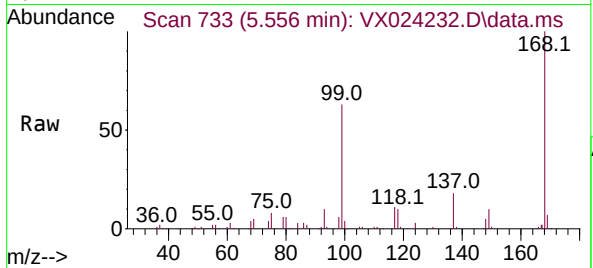




#31
Cyclohexane
Concen: 1.364 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

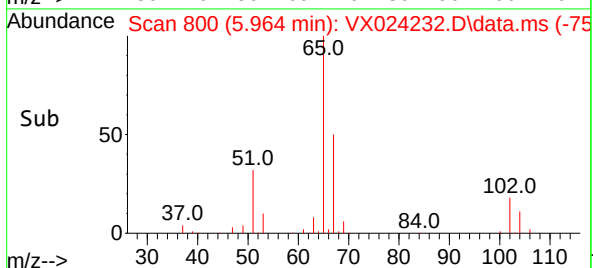
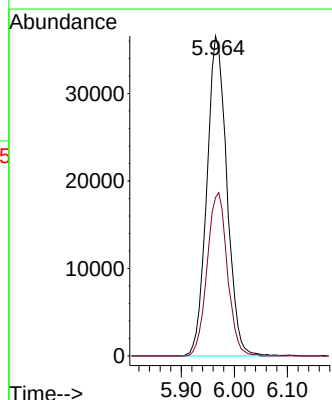
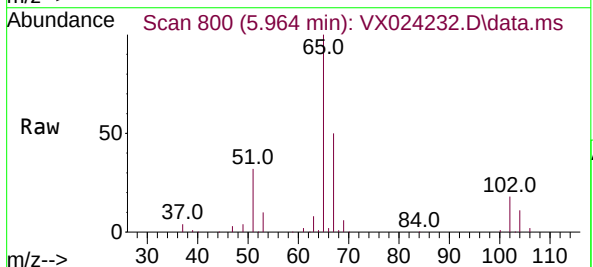
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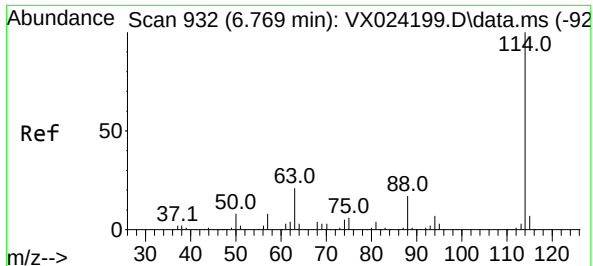
Tgt Ion: 56 Resp: 2973
Ion Ratio Lower Upper
56 100
69 211.7 25.3 37.9#
84 120.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.538 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 65 Resp: 96017
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

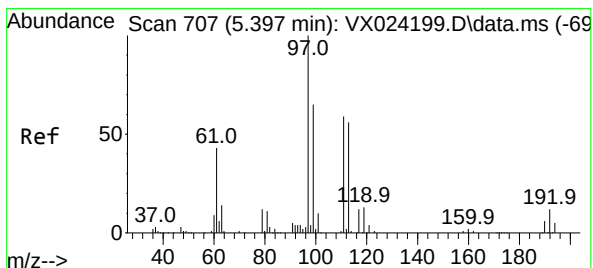
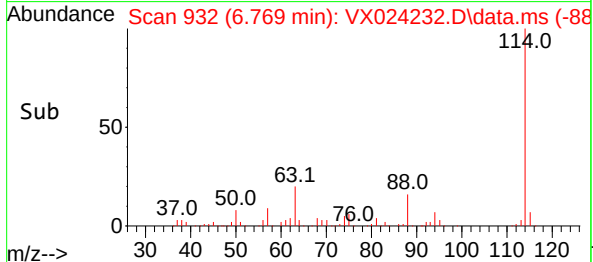
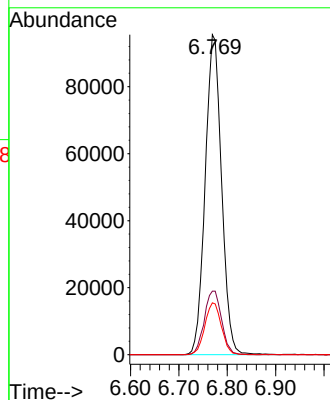
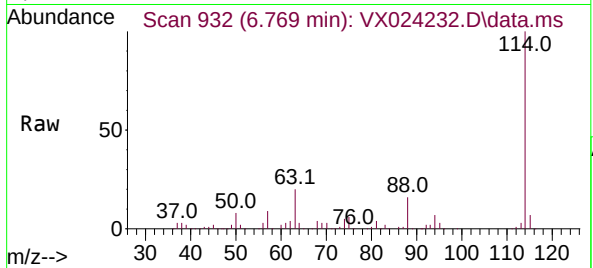




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

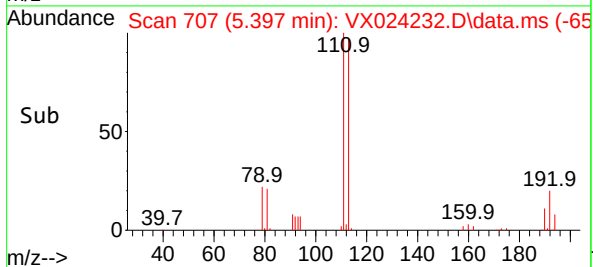
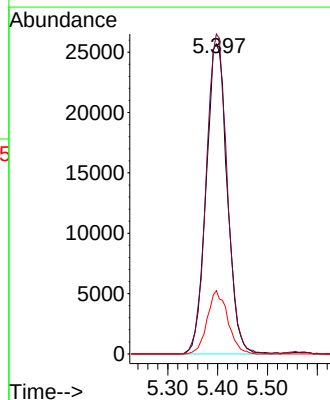
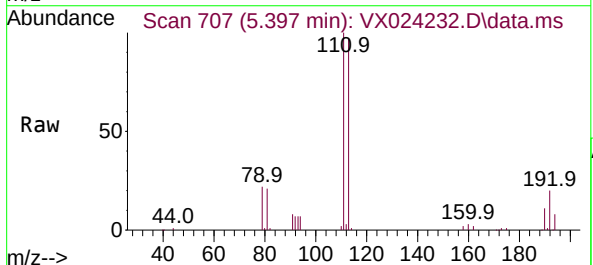
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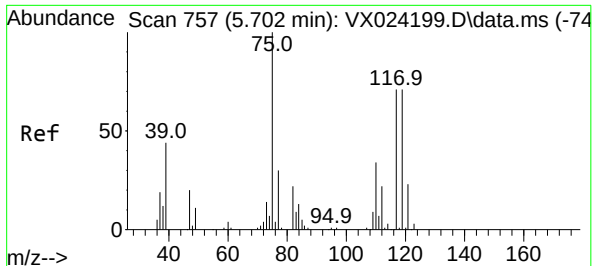
Tgt Ion:114 Resp: 224653
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.050 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion:113 Resp: 75406
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 19.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.872 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024232.D

Acq: 15 Sep 2021 01:43

Tgt Ion: 75 Resp: 10063

Ion Ratio Lower Upper

75 100

110 5.5 18.1 54.4#

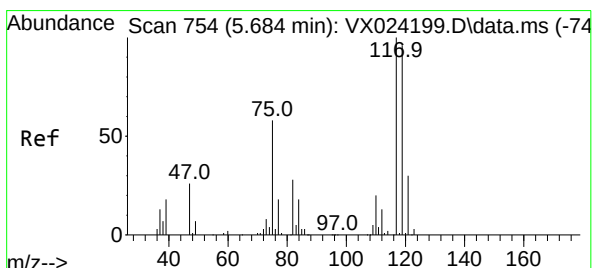
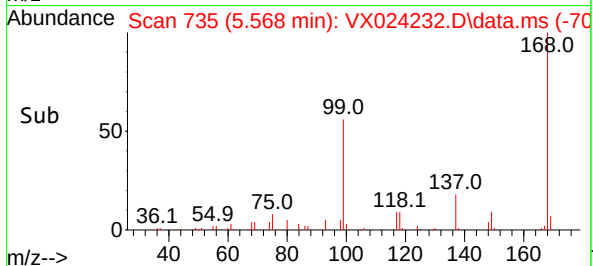
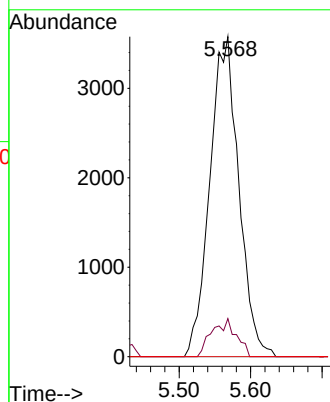
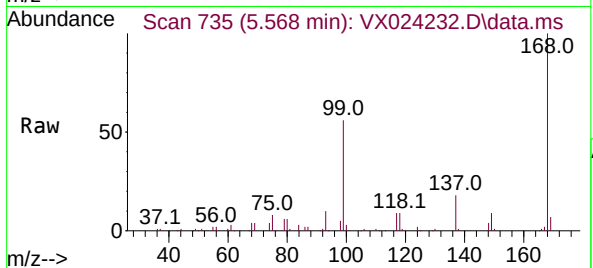
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

PB139076TB



#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX024232.D

Acq: 15 Sep 2021 01:43

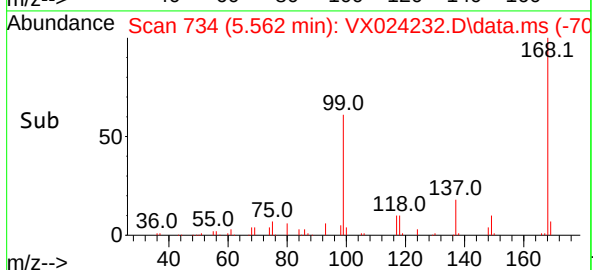
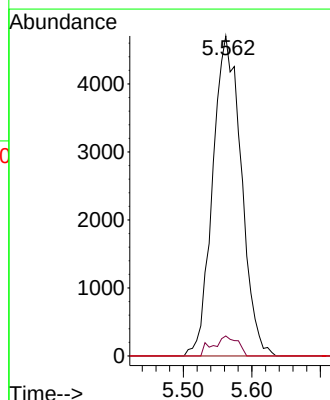
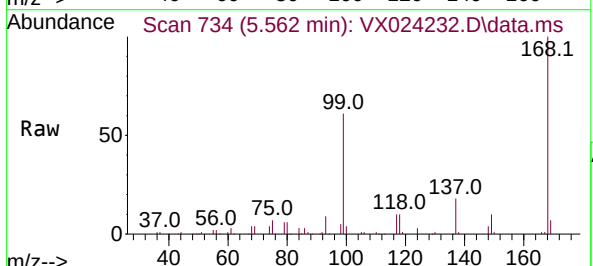
Tgt Ion: 117 Resp: 13606

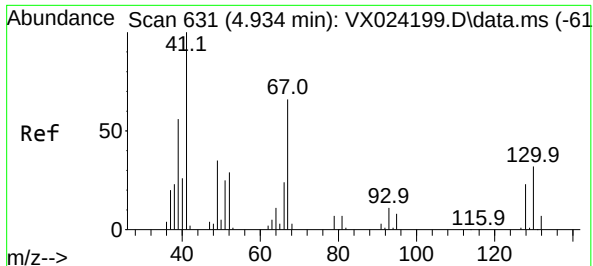
Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

121 0.0 24.8 37.2#

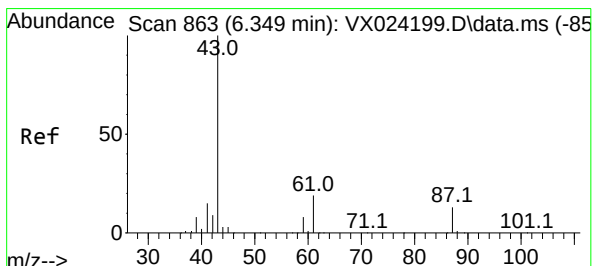
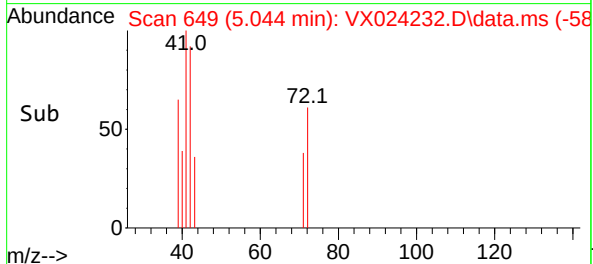
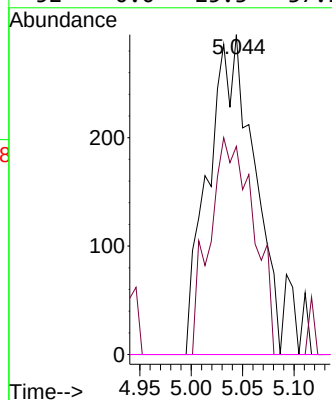
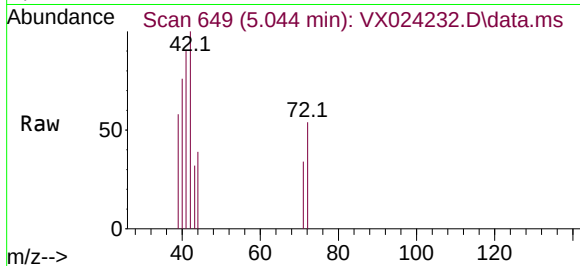




#41
Methacrylonitrile
Concen: 0.713 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.110 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

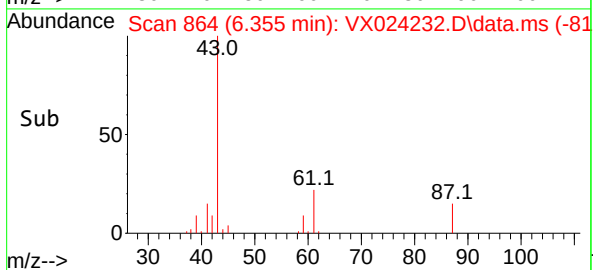
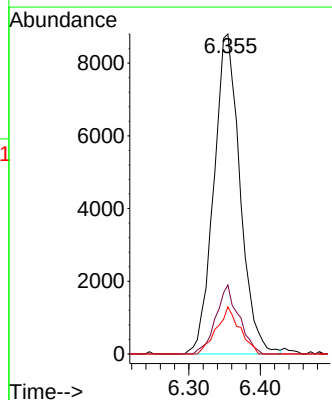
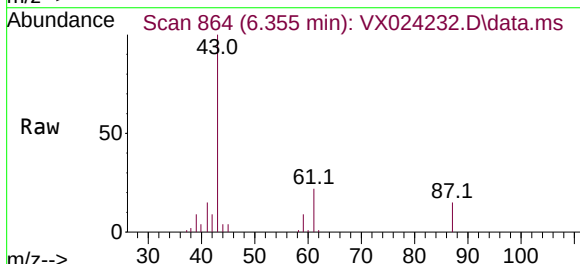
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

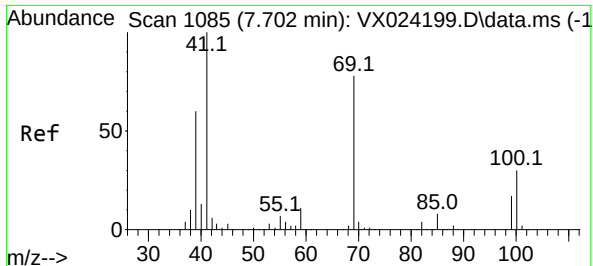
Tgt Ion:	41	Resp:	915
Ion	Ratio	Lower	Upper
41	100		
39	65.2	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.856 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion:	43	Resp:	22434
Ion	Ratio	Lower	Upper
43	100		
61	18.9	18.2	27.4
87	12.9	12.5	18.7





#48

Methyl methacrylate

Concen: 3.168 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.104 min

Lab File: VX024232.D

Acq: 15 Sep 2021 01:43

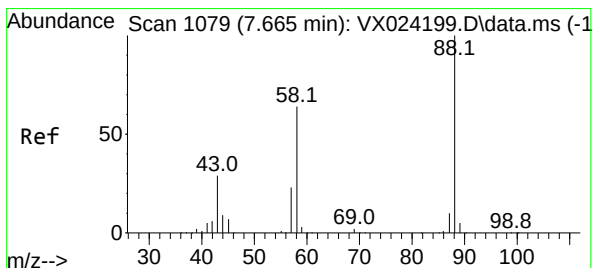
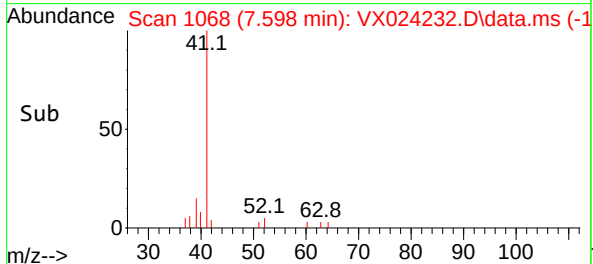
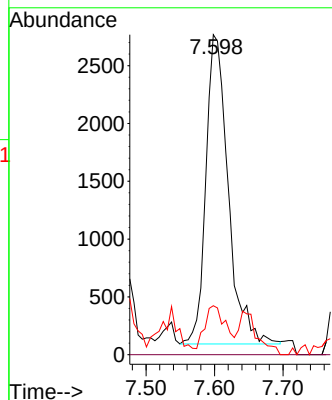
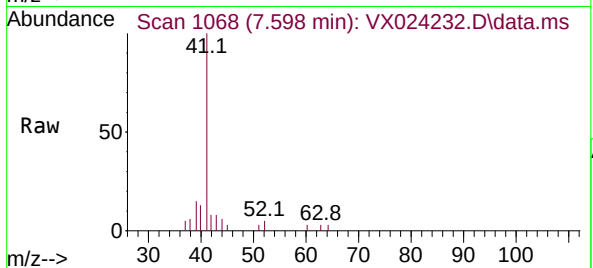
Tgt Ion: 41 Resp: 6056

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 44.6 67.0#



#49

1,4-Dioxane

Concen: 3.298 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX024232.D

Acq: 15 Sep 2021 01:43

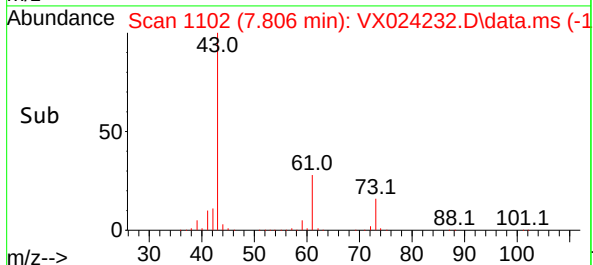
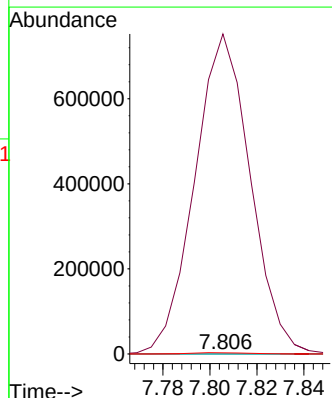
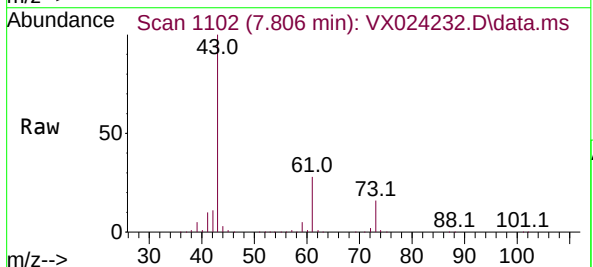
Tgt Ion: 88 Resp: 132

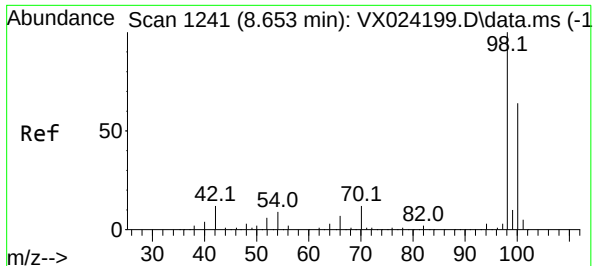
Ion Ratio Lower Upper

88 100

43 944542.4 23.2 34.8#

58 4011.4 55.0 82.4#

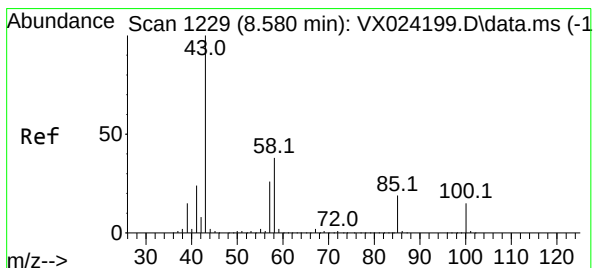
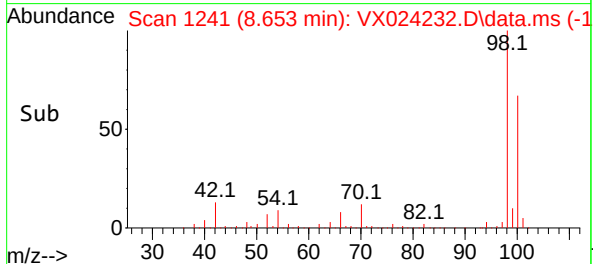
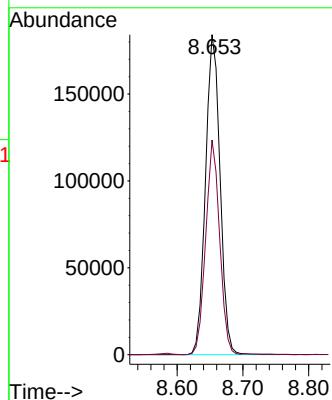
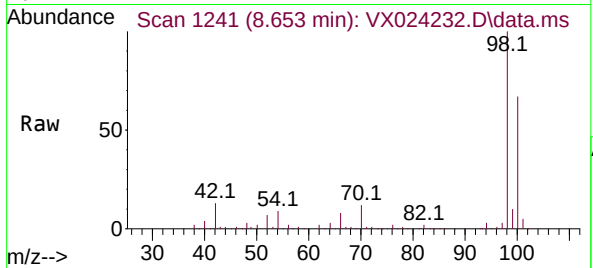




#50
Toluene-d8
Concen: 51.789 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

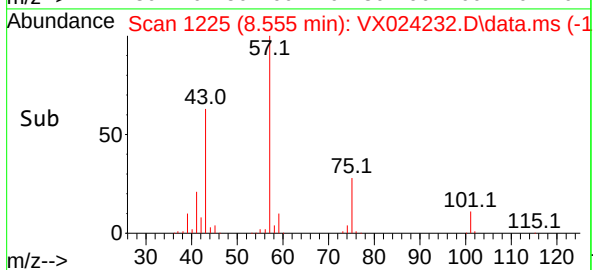
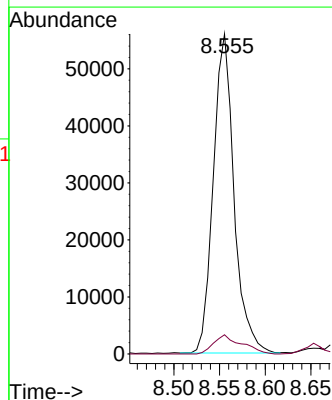
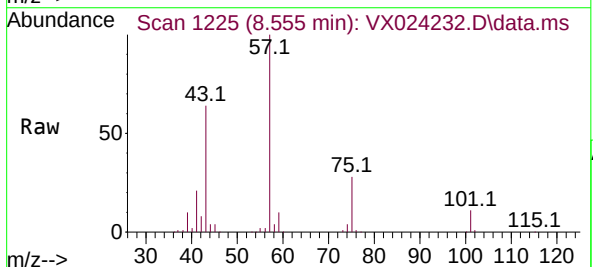
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

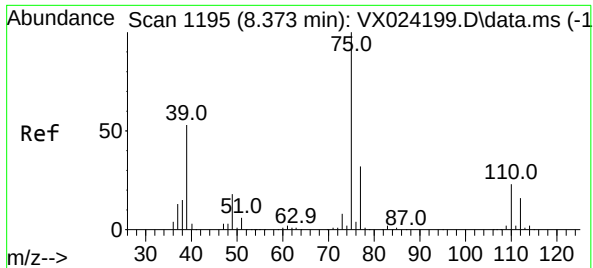
Tgt Ion: 98 Resp: 284245
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 36.160 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 43 Resp: 88276
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#

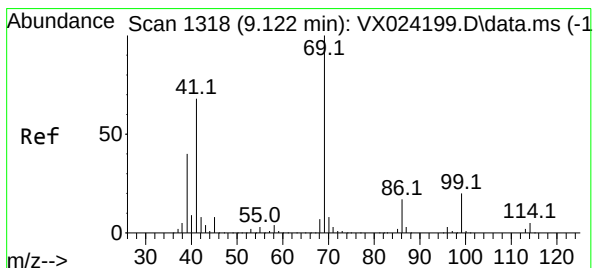
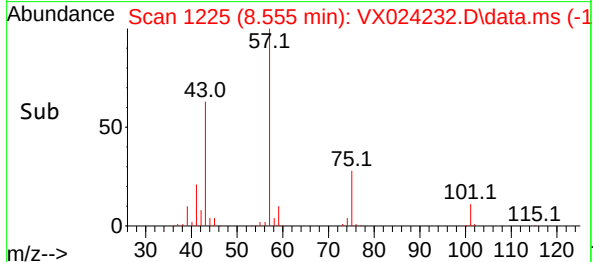
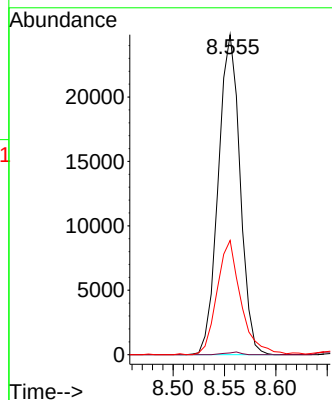
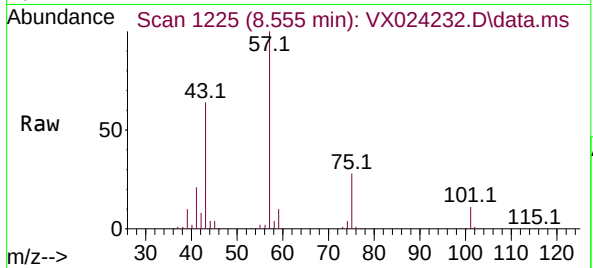




#54
 cis-1,3-Dichloropropene
 Concen: 14.595 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.182 min
 Lab File: VX024232.D
 Acq: 15 Sep 2021 01:43

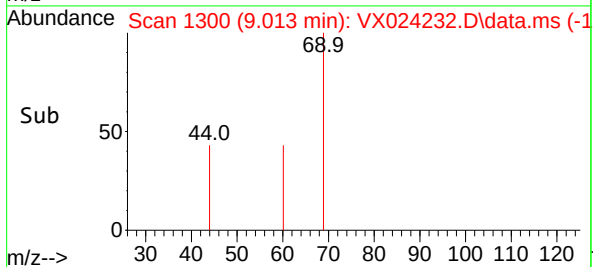
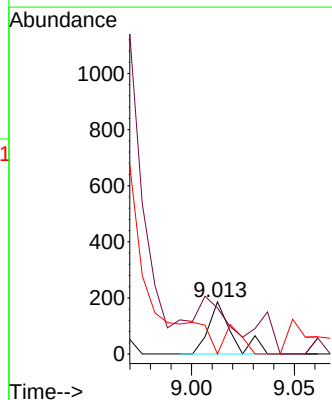
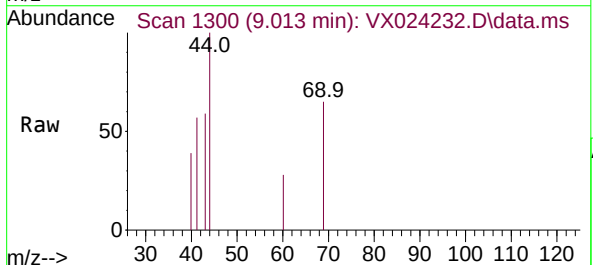
Instrument :
 MSVOA_X
 ClientSampleID :
 PB139076TB

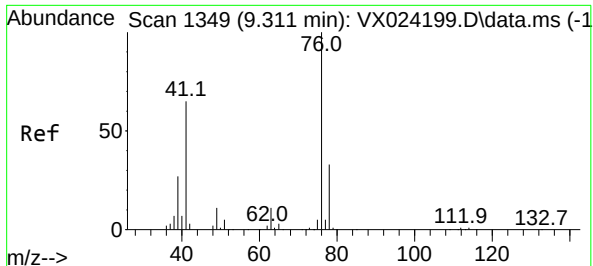
Tgt Ion: 75 Resp: 36451
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 35.4 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 1.413 ug/l
 RT: 9.013 min Scan# 1300
 Delta R.T. -0.109 min
 Lab File: VX024232.D
 Acq: 15 Sep 2021 01:43

Tgt Ion: 69 Resp: 144
 Ion Ratio Lower Upper
 69 100
 41 0.0 46.8 70.2#
 39 0.0 24.7 37.1#



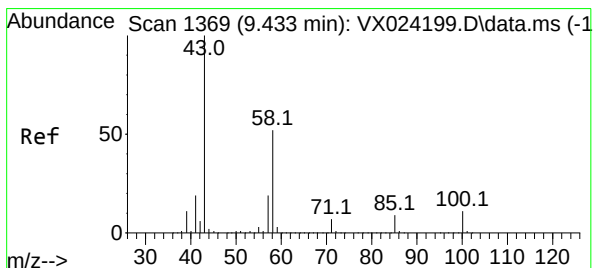
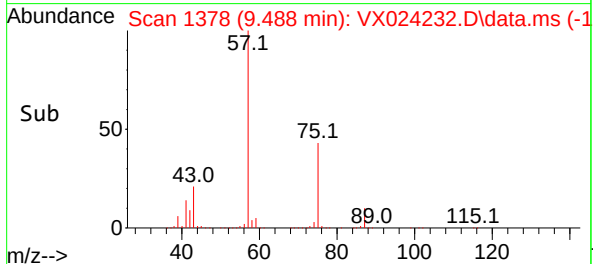
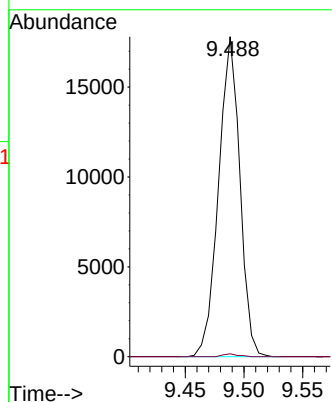
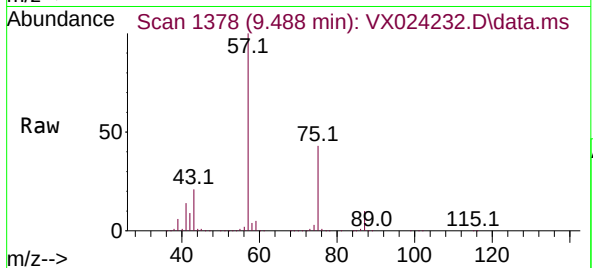


#57

1,3-Dichloropropane
Concen: 8.335 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Instrument :
MSVOA_X
ClientSampled :
PB139076TB

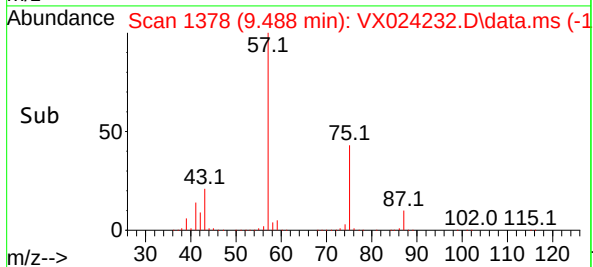
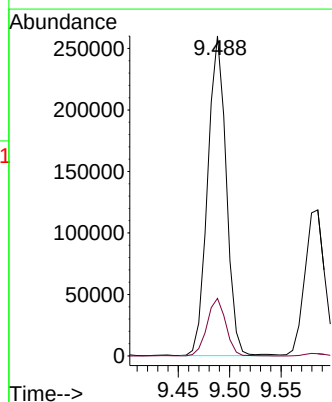
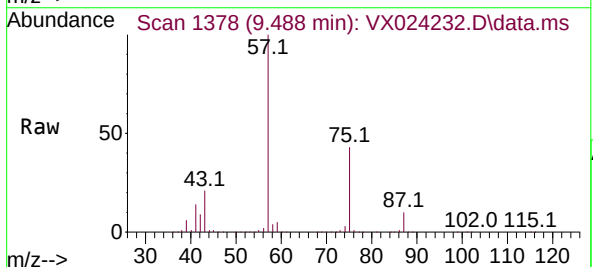
Tgt Ion: 76 Resp: 22445
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

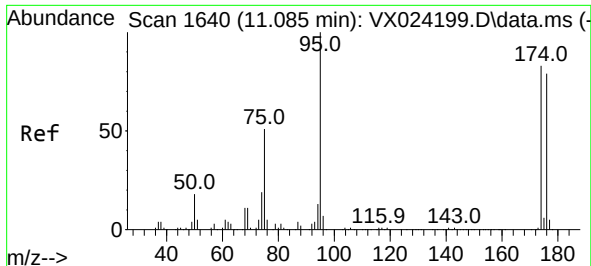


#59

2-Hexanone
Concen: 172.368 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 43 Resp: 327885
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

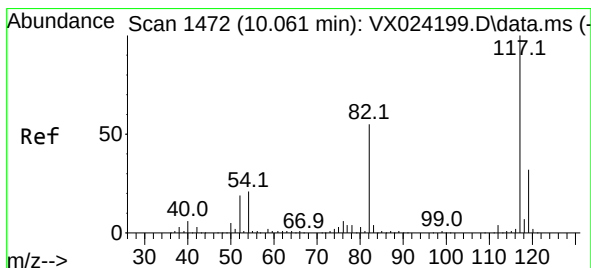
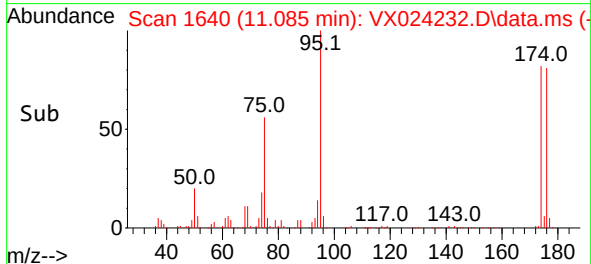
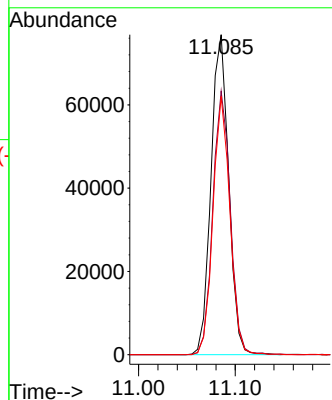
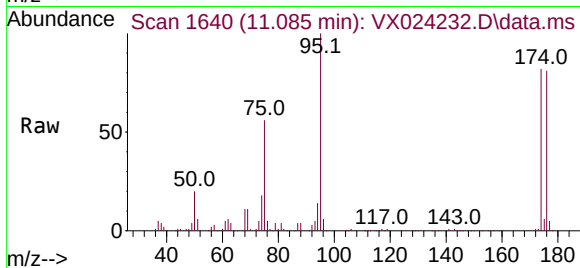




#62
4-Bromofluorobenzene
Concen: 45.754 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

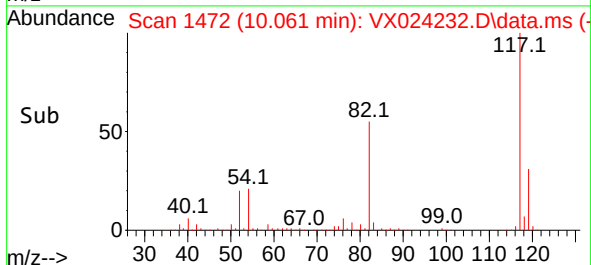
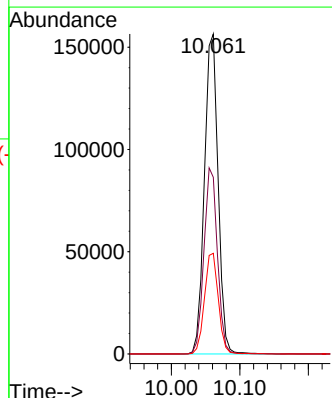
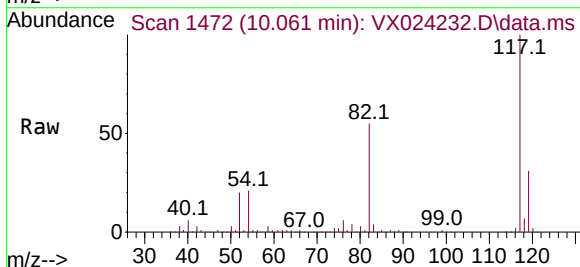
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

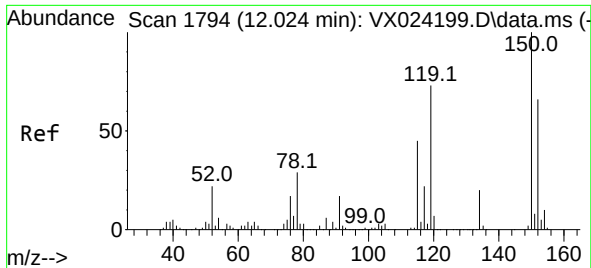
Tgt Ion: 95 Resp: 97728
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 117 Resp: 217467
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 31.4 26.6 39.8

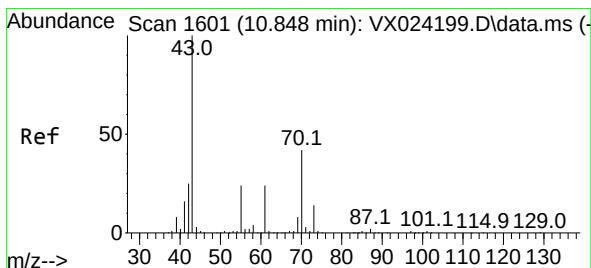
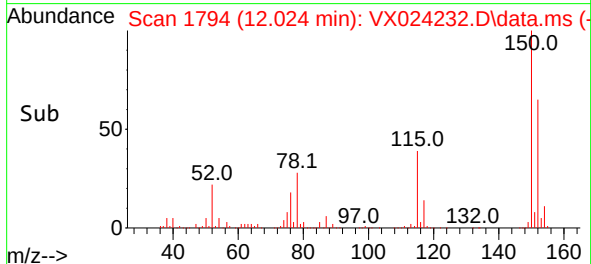
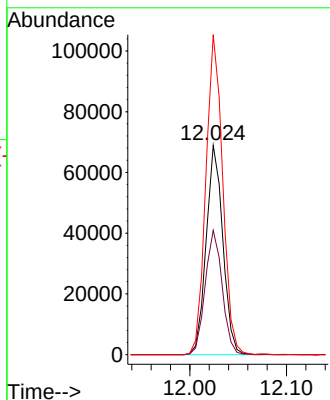
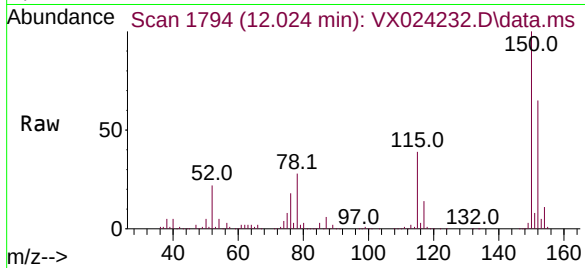




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

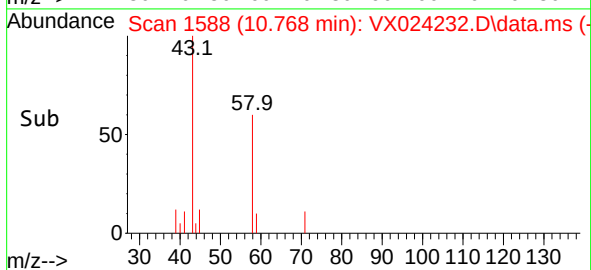
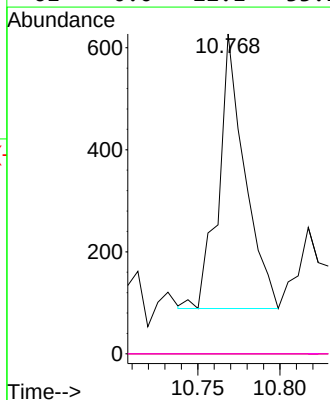
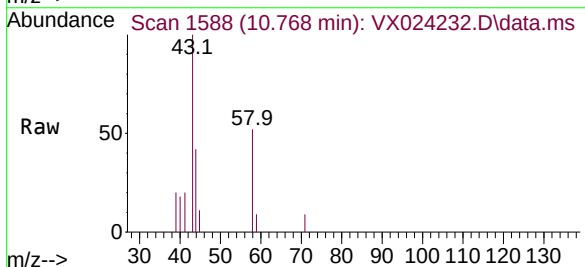
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

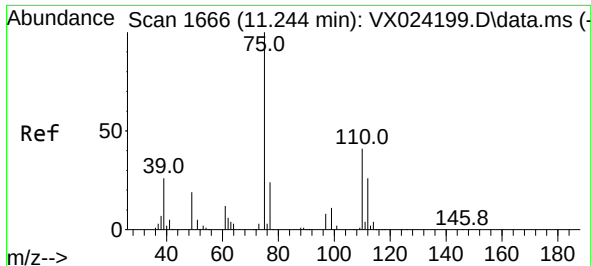
Tgt Ion:152 Resp: 82770
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 154.1 0.0 349.0



#74
N-ethyl acetate
Concen: 0.229 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

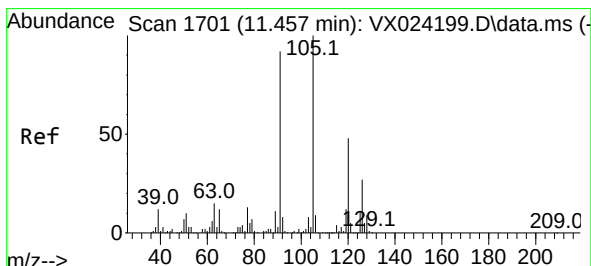
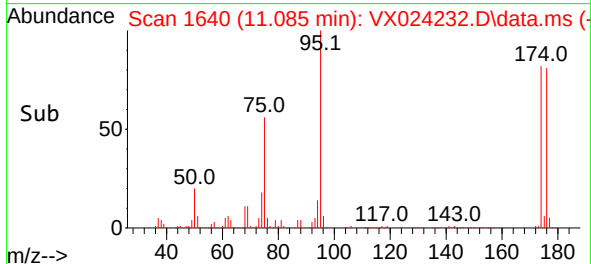
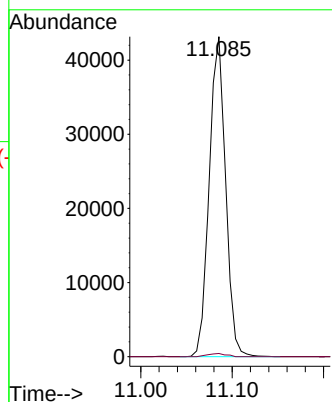
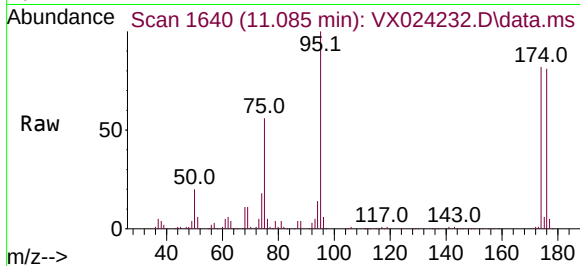




#76
1,2,3-Trichloropropane
Concen: 28.182 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

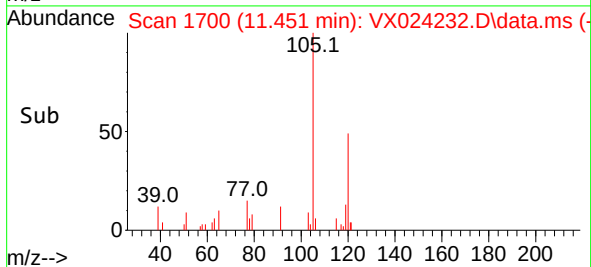
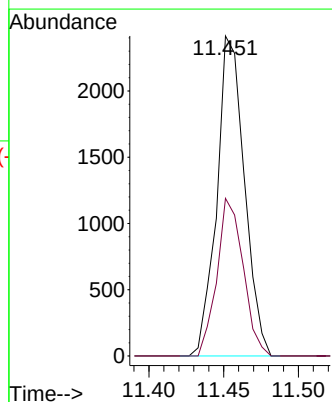
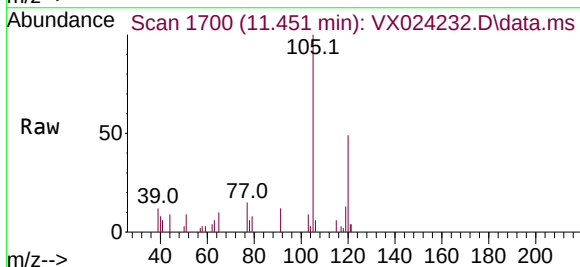
Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

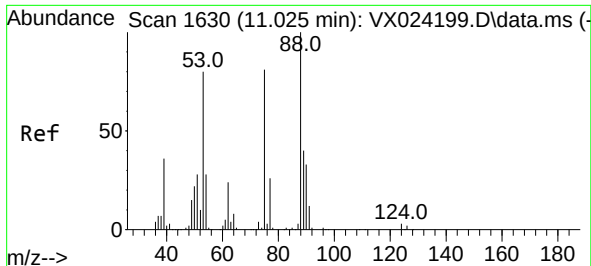
Tgt Ion: 75 Resp: 53636
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.596 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion: 105 Resp: 3099
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.5

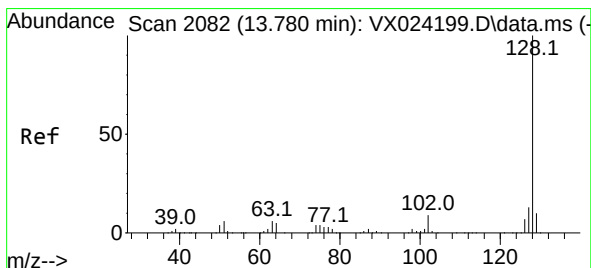
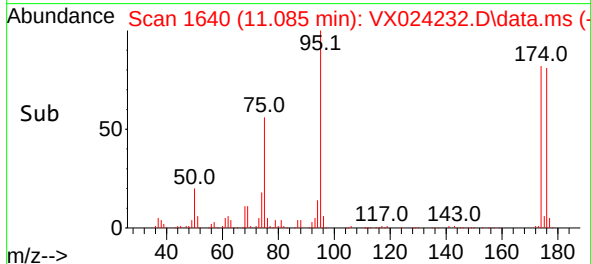
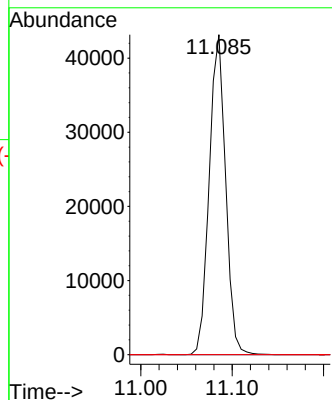
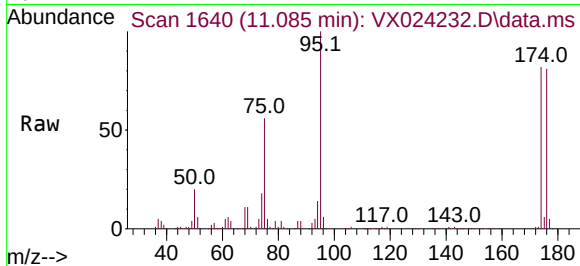




#81
trans-1,4-Dichloro-2-butene
Concen: 82.883 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Instrument :
MSVOA_X
ClientSampleId :
PB139076TB

Tgt Ion: 75 Resp: 53636
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.318 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024232.D
Acq: 15 Sep 2021 01:43

Tgt Ion:128 Resp: 185
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

