

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072624.D
 Acq On : 19 Apr 2022 14:54
 Operator : VA/SY
 Sample : N2426-01RE
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-1

Quant Time: Apr 20 05:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	196296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	384959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	407480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	195883	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	160104	67.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.840%
35) Dibromofluoromethane	7.914	113	141361	47.251	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.500%
50) Toluene-d8	10.332	98	472826	45.467	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.940%
62) 4-Bromofluorobenzene	12.620	95	184505	45.429	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.860%

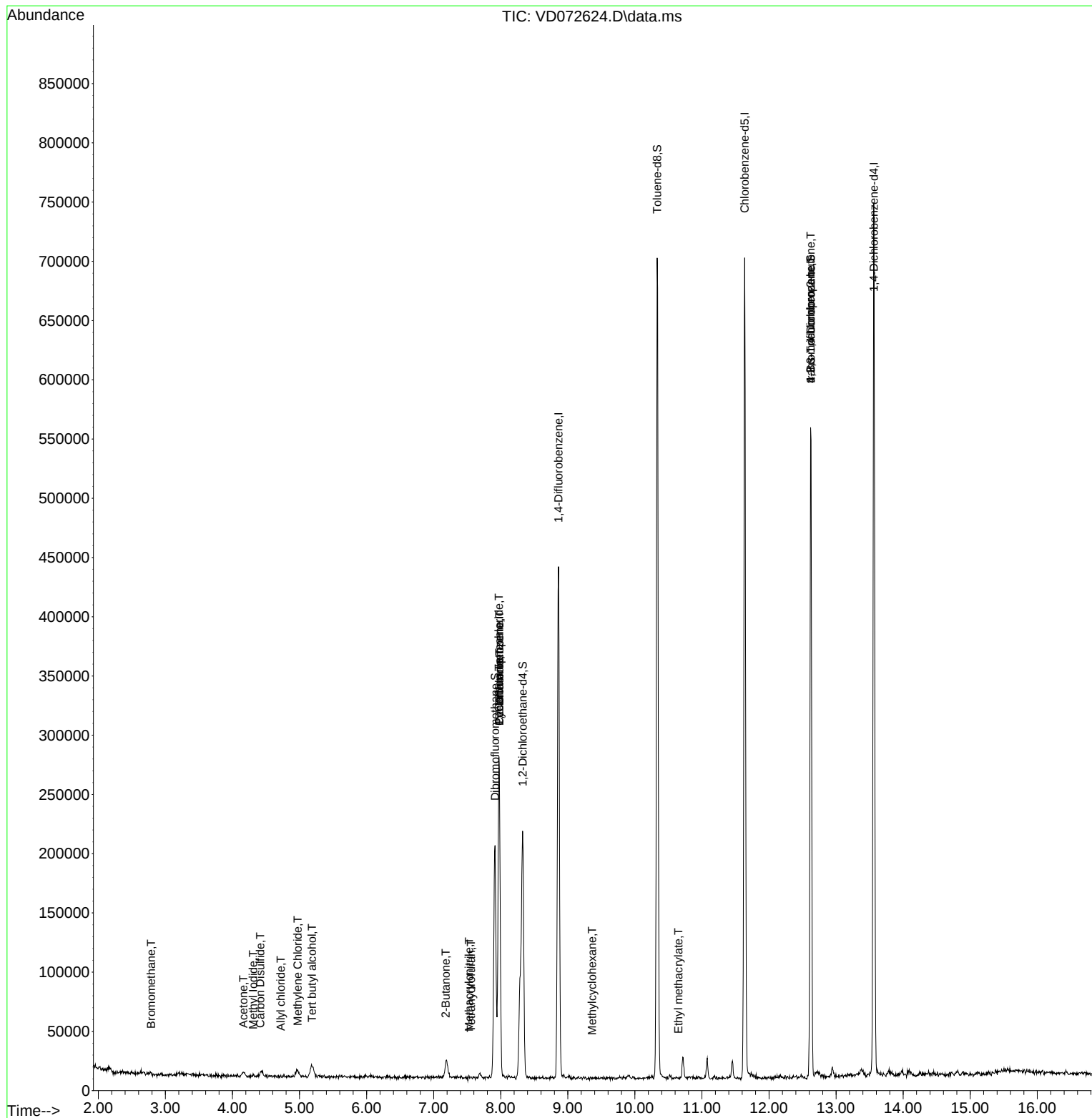
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	1233	1.110	ug/l #	68
10) Methyl Iodide	4.309	142	1136	4.231	ug/l #	65
11) Tert butyl alcohol	5.185	59	10170	81.101	ug/l #	74
14) Allyl chloride	4.720	41	109	1.161	ug/l #	22
16) Acetone	4.162	43	4824	10.895	ug/l	91
17) Carbon Disulfide	4.415	76	938	3.854	ug/l #	74
20) Methylene Chloride	4.973	84	5074	1.925	ug/l #	74
25) 2-Butanone	7.179	43	615	1.004	ug/l #	64
29) Tetrahydrofuran	7.556	42	398	1.076	ug/l #	49
31) Cyclohexane	7.979	56	4889	1.575	ug/l #	55
36) 1,1-Dichloropropene	7.979	75	15922	5.195	ug/l #	53
38) Carbon Tetrachloride	7.973	117	21142	5.130	ug/l #	17
39) Methylcyclohexane	9.361	83	65	2.890	ug/l #	68
41) Methacrylonitrile	7.526	41	64	1.725	ug/l #	27
56) Ethyl methacrylate	10.649	69	73	1.216	ug/l #	44
76) 1,2,3-Trichloropropane	12.620	75	92791	43.433	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	92791	106.576	ug/l #	7

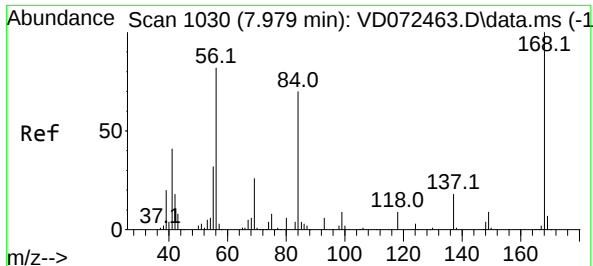
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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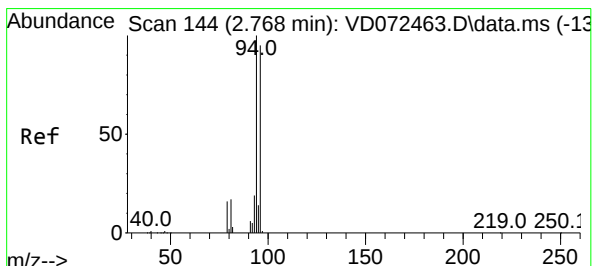
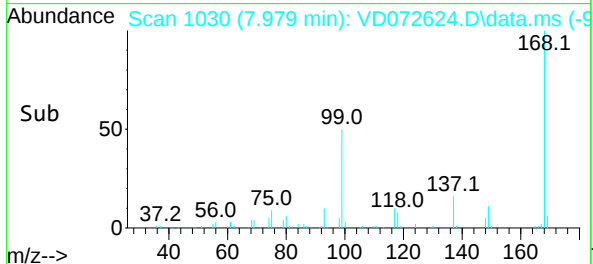
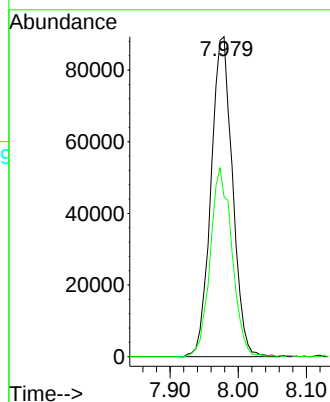
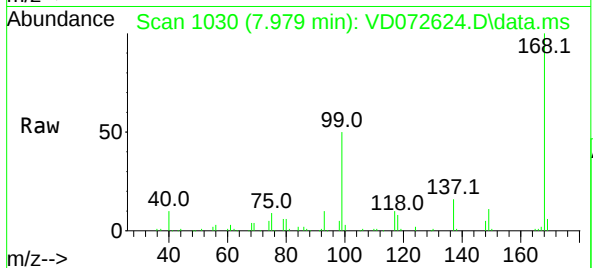




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

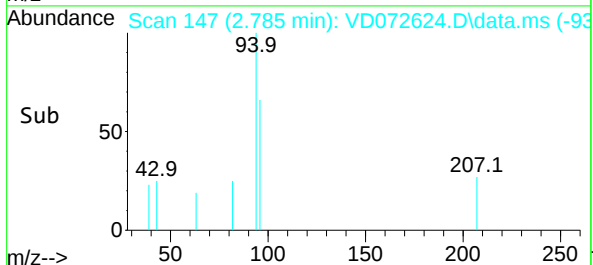
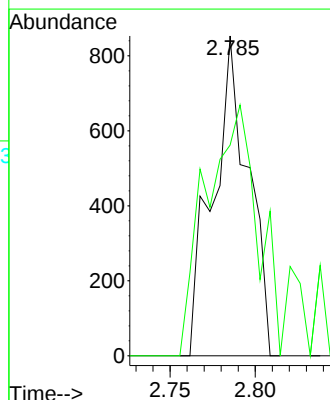
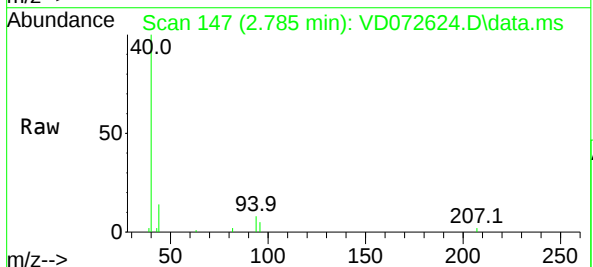
Instrument :
MSVOA_D
ClientSampleId :
PX-1

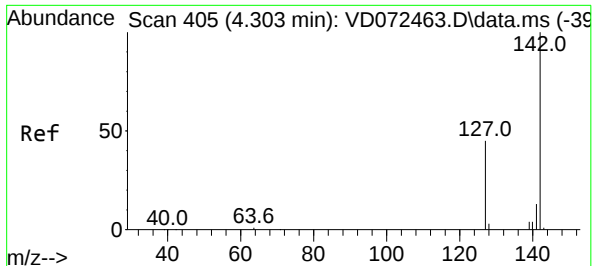
Tgt Ion:168 Resp: 196296
Ion Ratio Lower Upper
168 100
99 50.0 49.8 74.6



#5
Bromomethane
Concen: 1.110 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

Tgt Ion: 94 Resp: 1233
Ion Ratio Lower Upper
94 100
96 65.9 77.6 116.4#

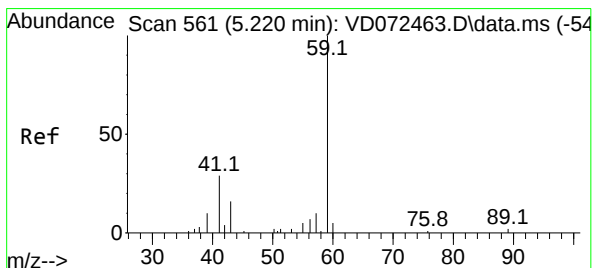
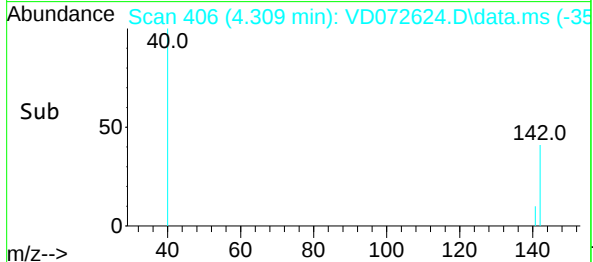
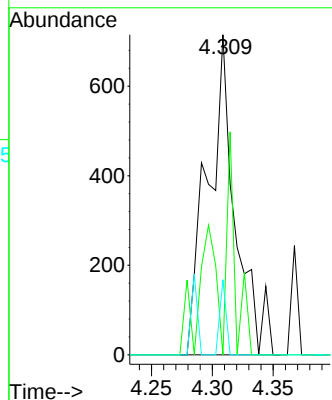
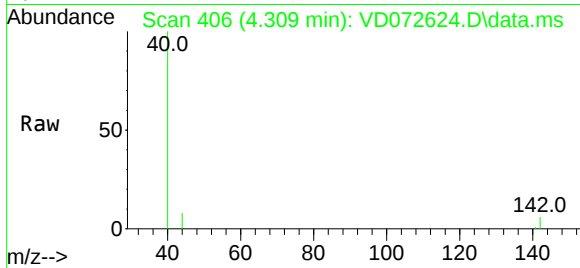




#10
Methyl Iodide
Concen: 4.231 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

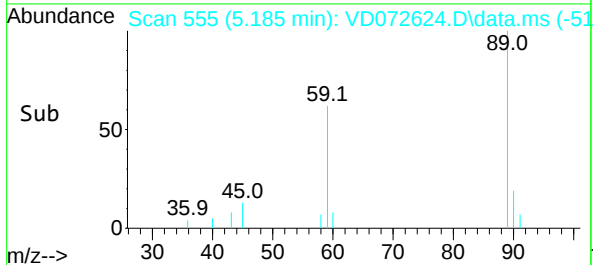
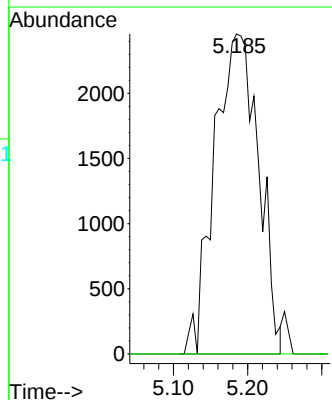
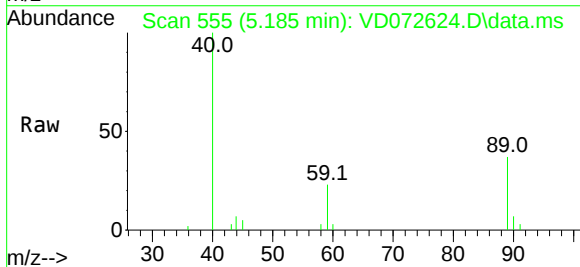
Instrument :
MSVOA_D
ClientSampleId :
PX-1

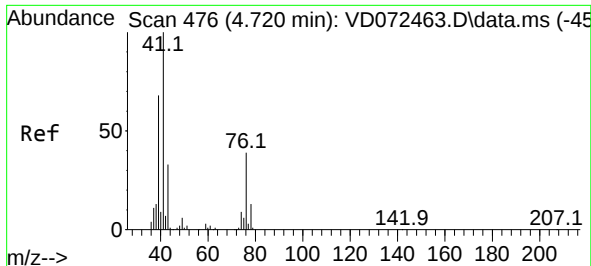
Tgt Ion:142 Resp: 1136
Ion Ratio Lower Upper
142 100
127 21.2 37.3 55.9#
141 5.2 11.7 17.5#



#11
Tert butyl alcohol
Concen: 81.101 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

Tgt Ion: 59 Resp: 10170
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

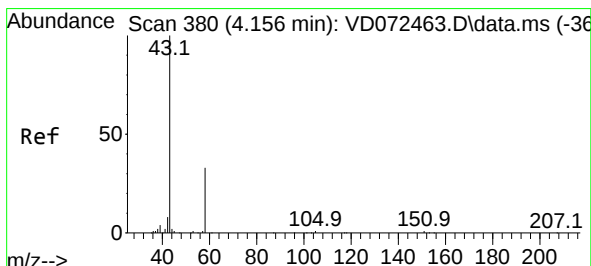
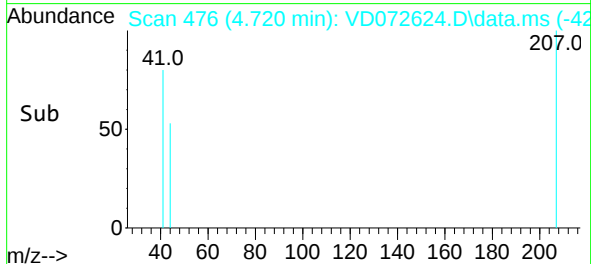
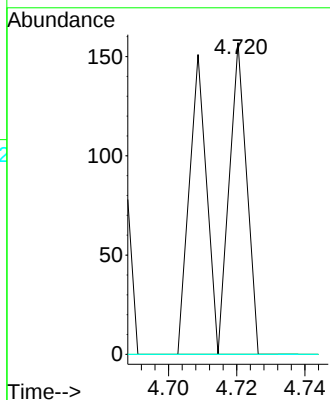
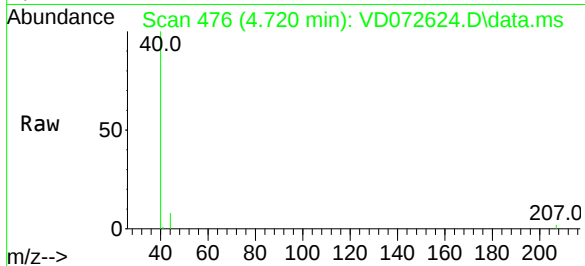




#14
 Allyl chloride
 Concen: 1.161 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072624.D
 Acq: 19 Apr 2022 14:54

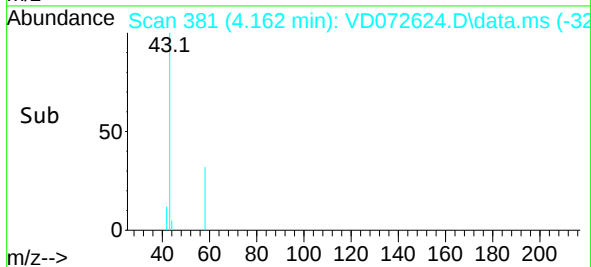
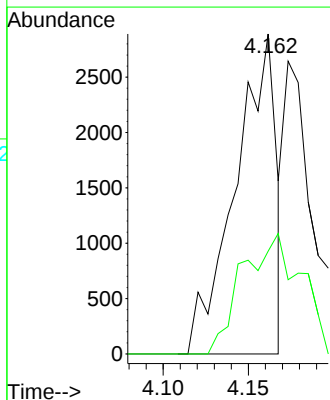
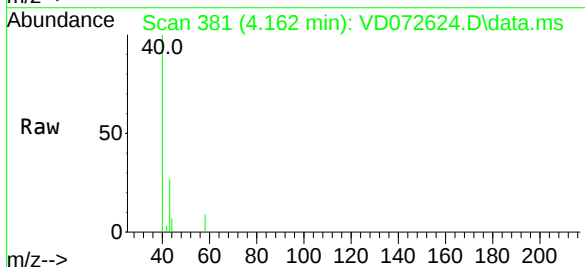
Instrument :
 MSVOA_D
 ClientSampleId :
 PX-1

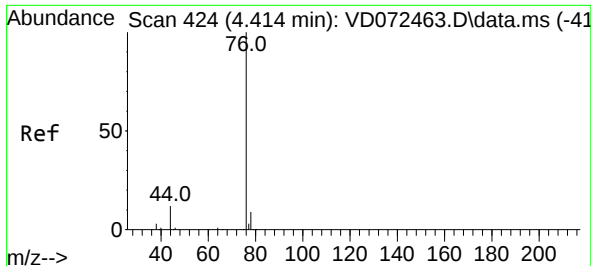
Tgt Ion: 41 Resp: 109
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 10.895 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072624.D
 Acq: 19 Apr 2022 14:54

Tgt Ion: 43 Resp: 4824
 Ion Ratio Lower Upper
 43 100
 58 32.1 22.1 33.1





#17

Carbon Disulfide

Concen: 3.854 ug/l

RT: 4.415 min Scan# 41

Delta R.T. 0.001 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

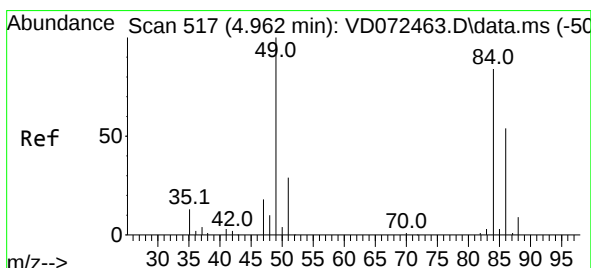
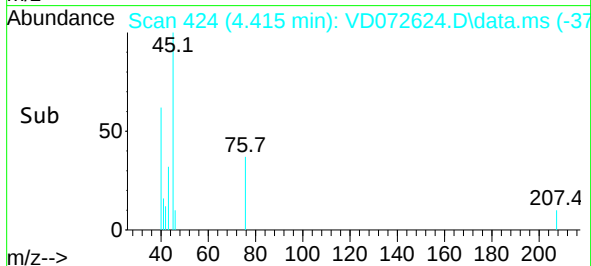
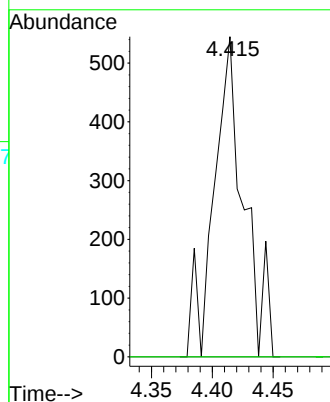
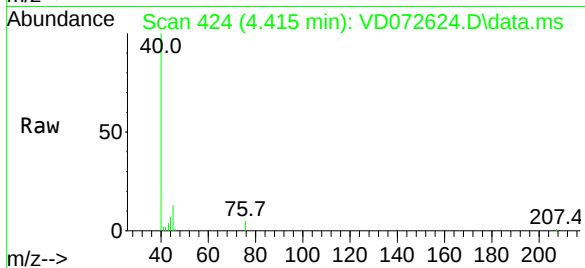
PX-1

Tgt Ion: 76 Resp: 938

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 1.925 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.012 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Tgt Ion: 84 Resp: 5074

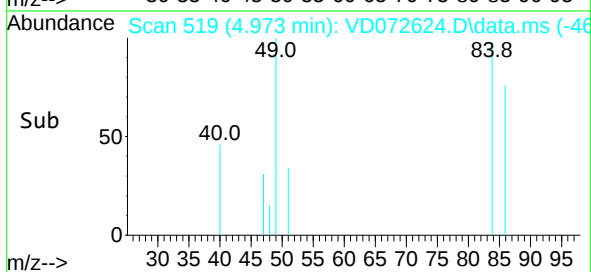
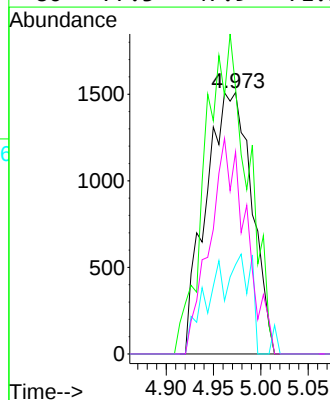
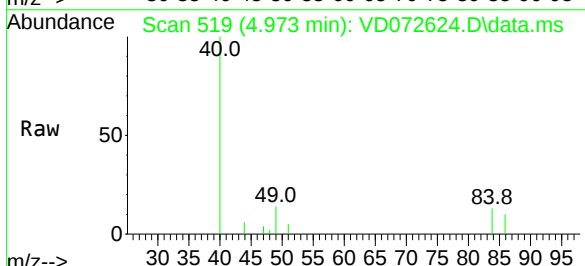
Ion Ratio Lower Upper

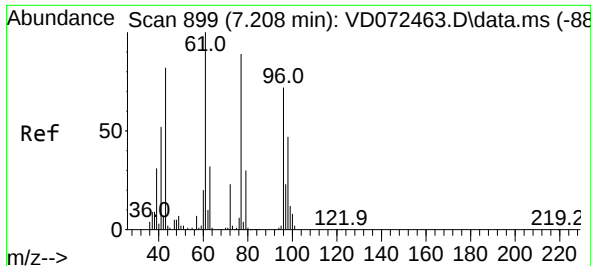
84 100

49 101.7 112.8 169.2#

51 34.2 32.6 48.8

86 77.3 47.9 71.9#

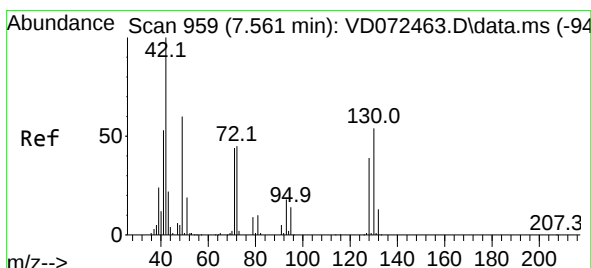
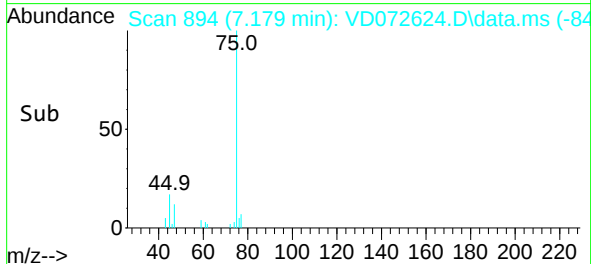
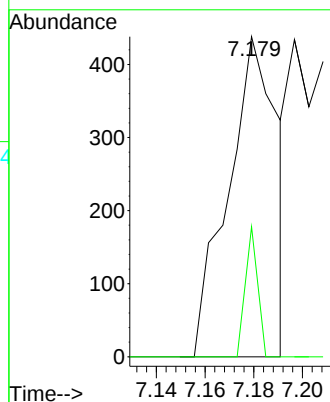
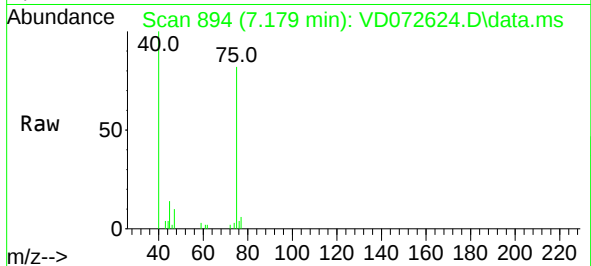




#25
2-Butanone
Concen: 1.004 ug/l
RT: 7.179 min Scan# 899
Delta R.T. -0.029 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

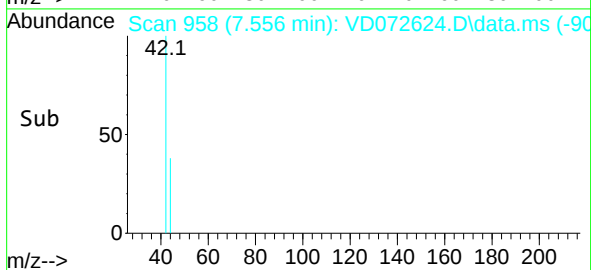
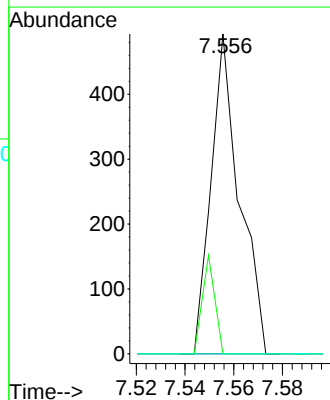
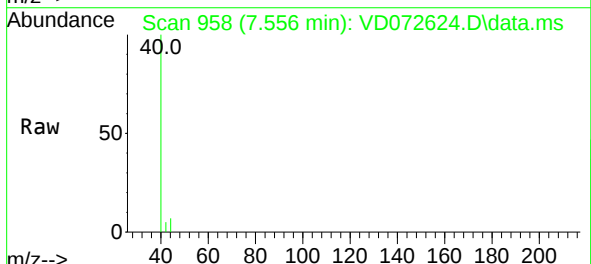
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PX-1

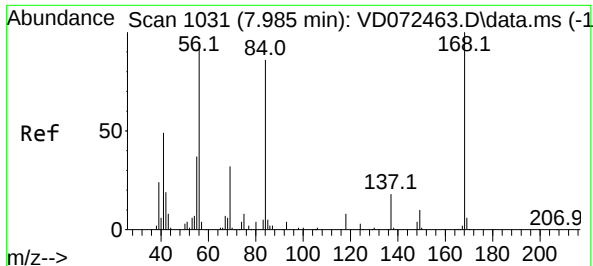
Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
72 40.6 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.076 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

Tgt Ion: 42 Resp: 398
Ion Ratio Lower Upper
42 100
72 13.6 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.575 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

PX-1

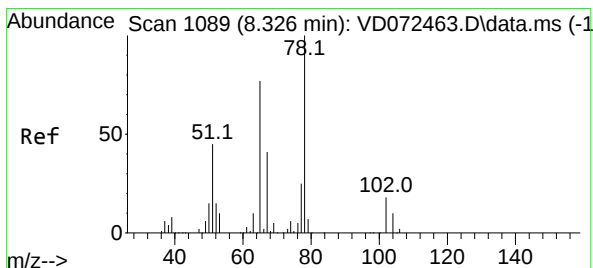
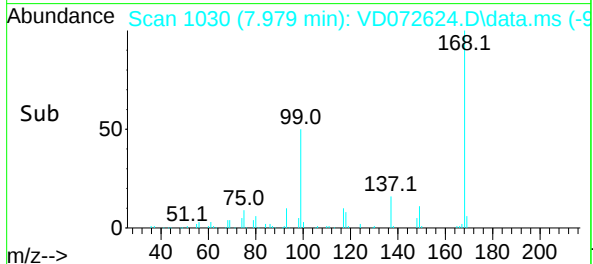
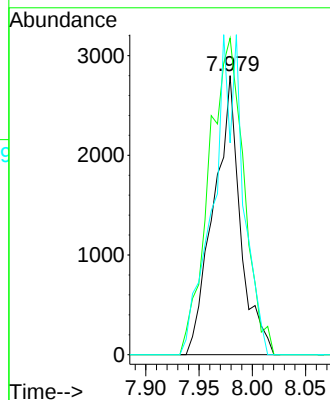
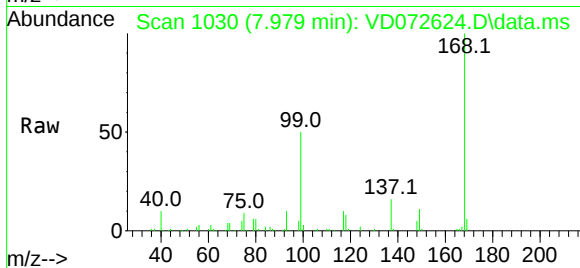
Tgt Ion: 56 Resp: 4889

Ion Ratio Lower Upper

56 100

69 113.5 25.4 38.2#

84 75.9 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 67.424 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072624.D

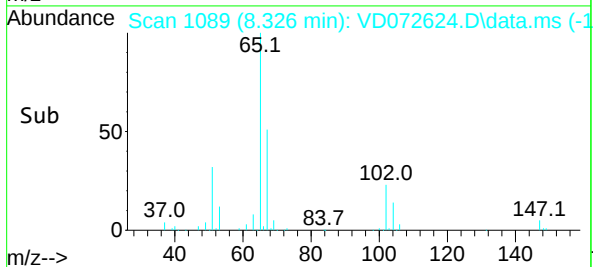
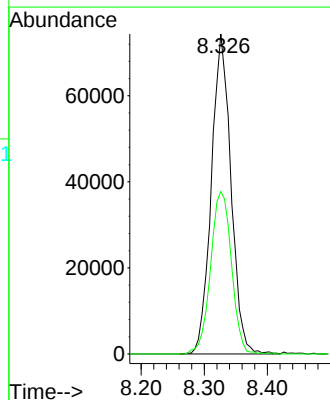
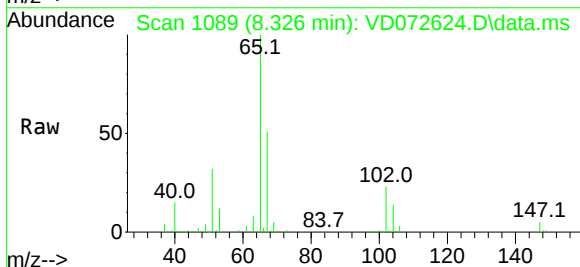
Acq: 19 Apr 2022 14:54

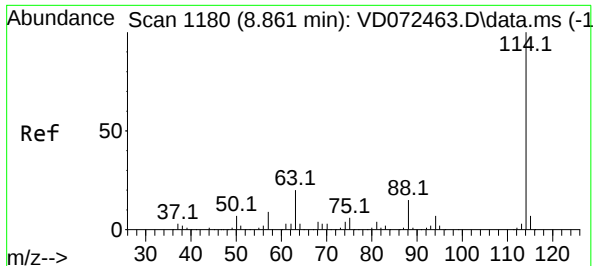
Tgt Ion: 65 Resp: 160104

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

PX-1

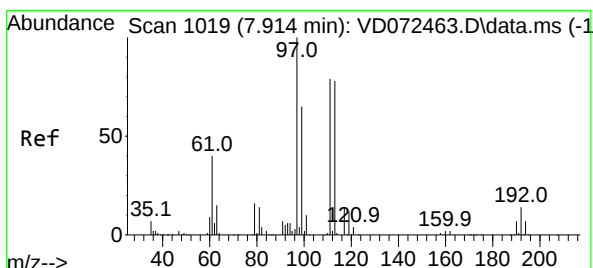
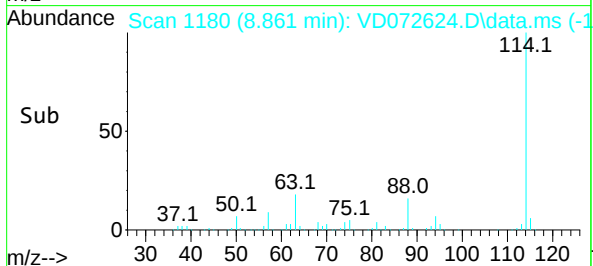
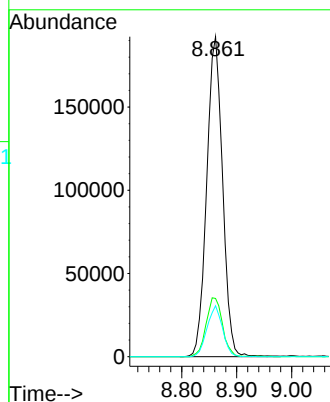
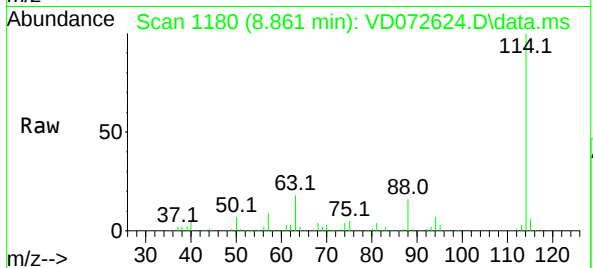
Tgt Ion:114 Resp: 384959

Ion Ratio Lower Upper

114 100

63 18.2 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.251 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

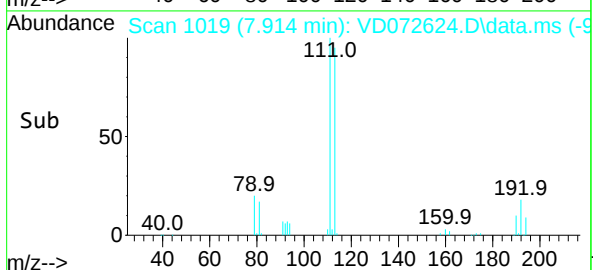
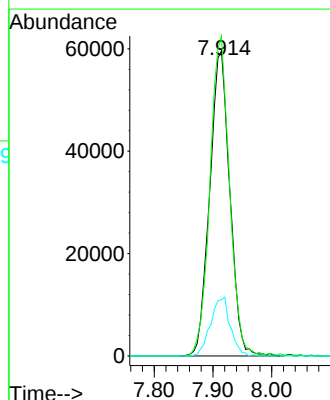
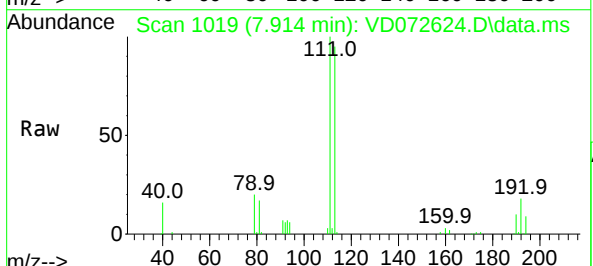
Tgt Ion:113 Resp: 141361

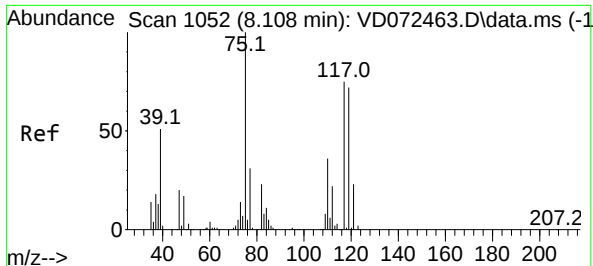
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

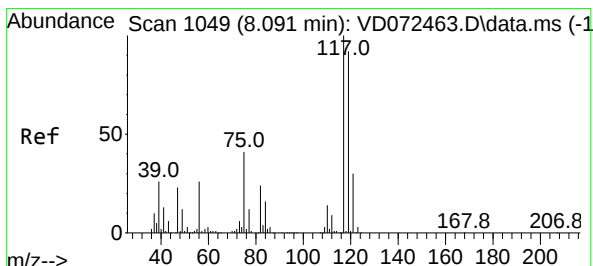
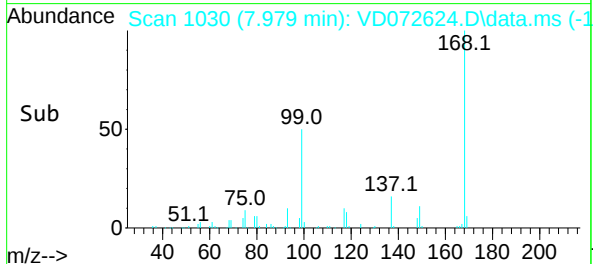
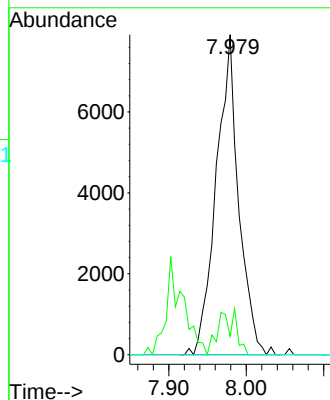
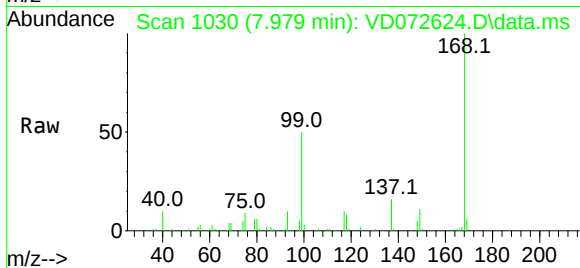
Instrument :

MSVOA_D

ClientSampleId :

PX-1

Tgt Ion:	75	Resp:	15922
Ion Ratio	Lower	Upper	
75	100		
110	10.9	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.130 ug/l

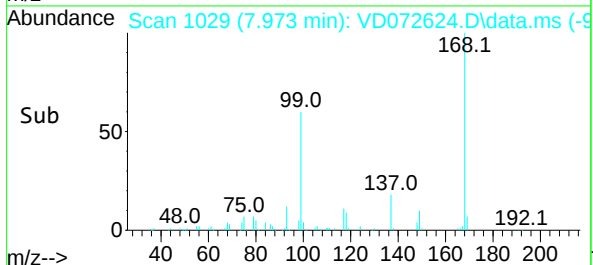
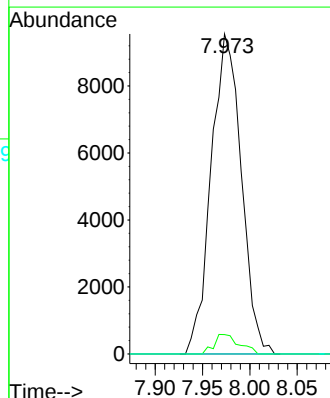
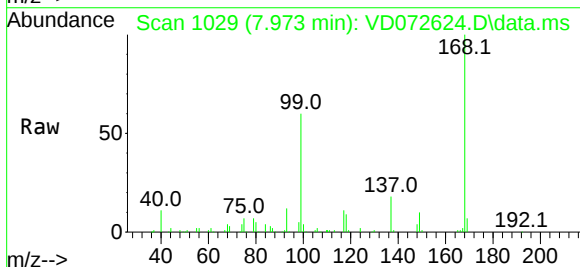
RT: 7.973 min Scan# 1029

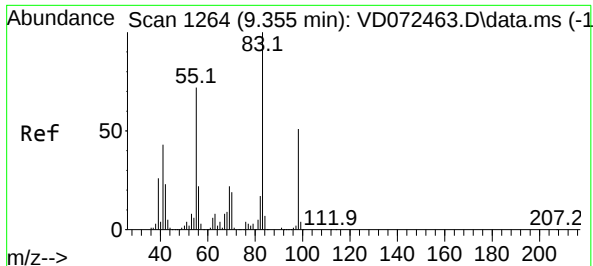
Delta R.T. -0.118 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Tgt Ion:	117	Resp:	21142
Ion Ratio	Lower	Upper	
117	100		
119	6.1	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 2.890 ug/l

RT: 9.361 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

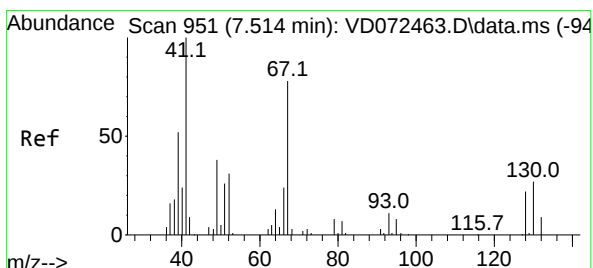
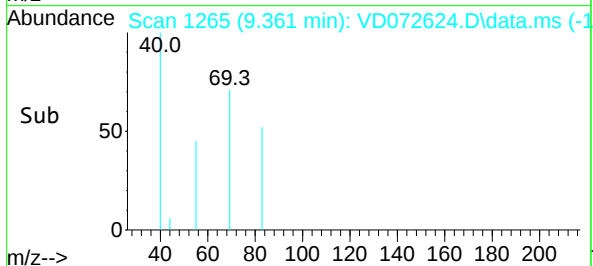
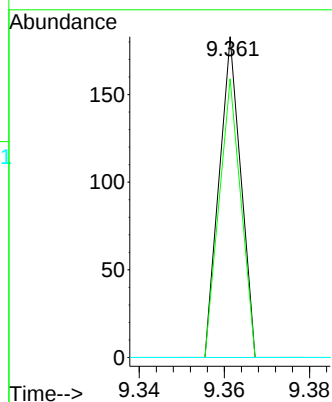
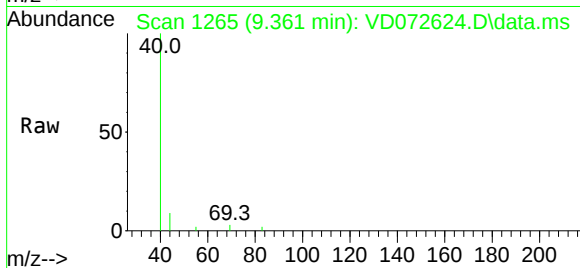
Instrument :

MSVOA_D

ClientSampleId :

PX-1

Tgt Ion: 83	Resp: 65
Ion Ratio	Lower Upper
83	100
55	86.9 63.2 94.8
98	0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.725 ug/l

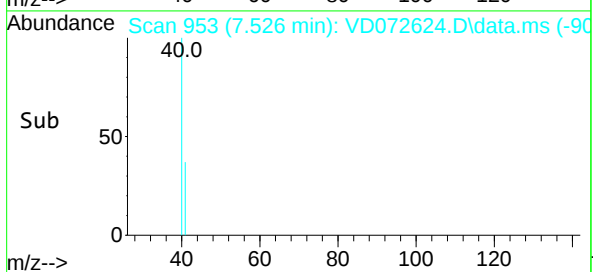
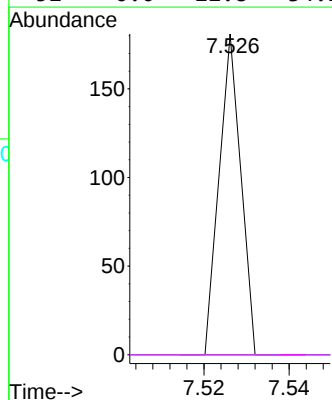
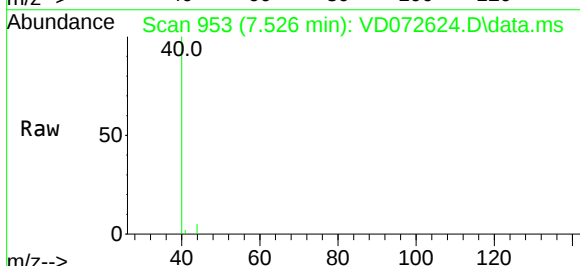
RT: 7.526 min Scan# 953

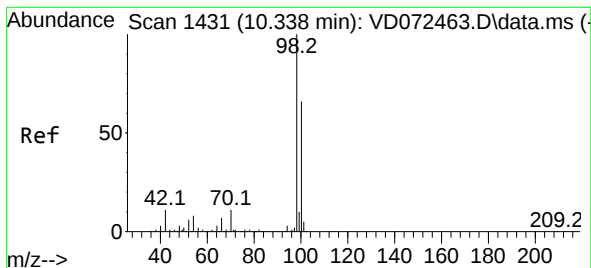
Delta R.T. 0.012 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Tgt Ion: 41	Resp: 64
Ion Ratio	Lower Upper
41	100
39	0.0 44.6 67.0#
67	0.0 48.2 72.4#
52	0.0 22.8 34.2#





#50

Toluene-d8

Concen: 45.467 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

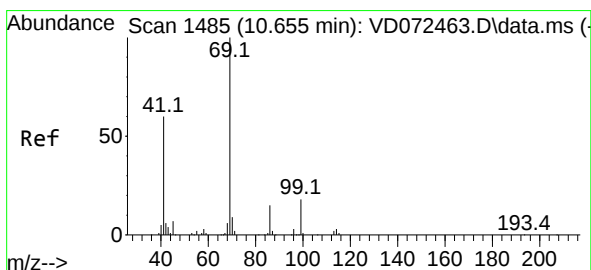
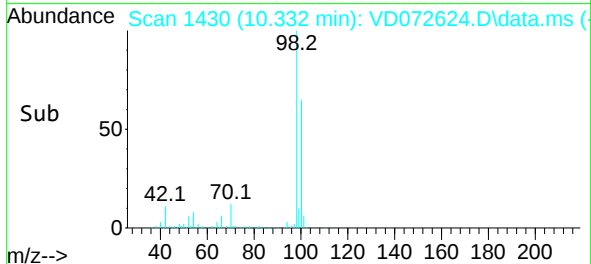
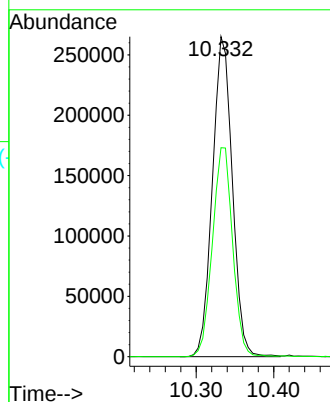
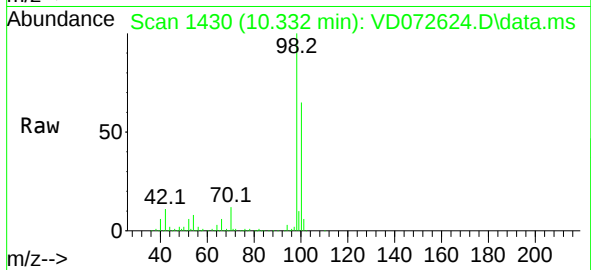
PX-1

Tgt Ion: 98 Resp: 472826

Ion Ratio Lower Upper

98 100

100 66.5 52.4 78.6



#56

Ethyl methacrylate

Concen: 1.216 ug/l

RT: 10.649 min Scan# 1484

Delta R.T. -0.006 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

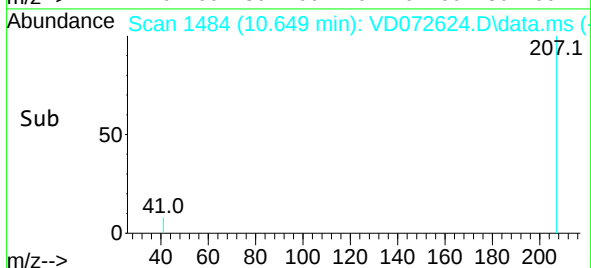
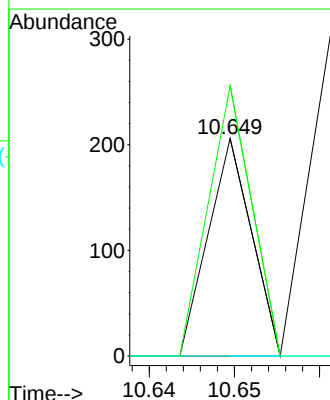
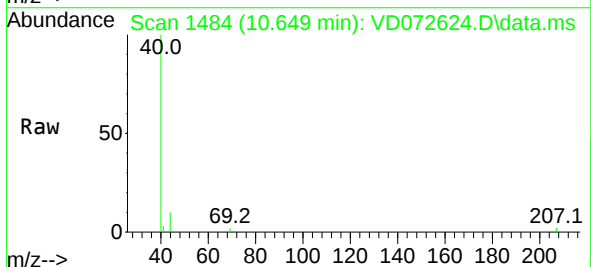
Tgt Ion: 69 Resp: 73

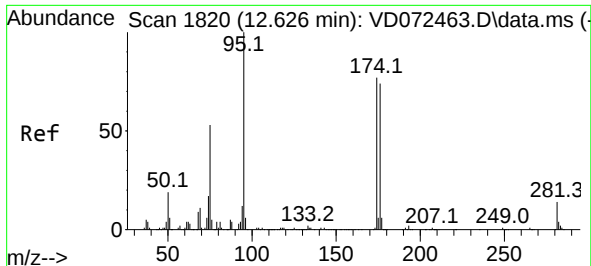
Ion Ratio Lower Upper

69 100

41 123.3 63.0 94.6#

39 0.0 33.8 50.8#

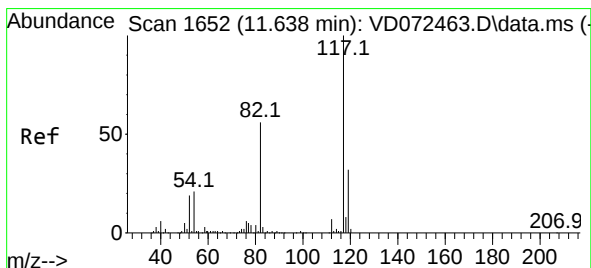
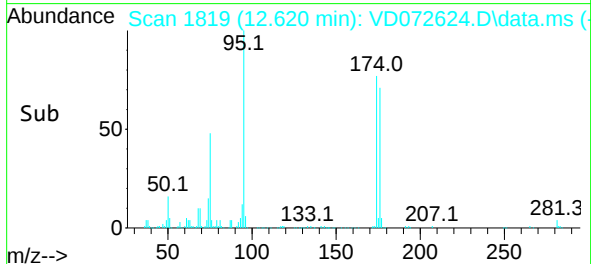
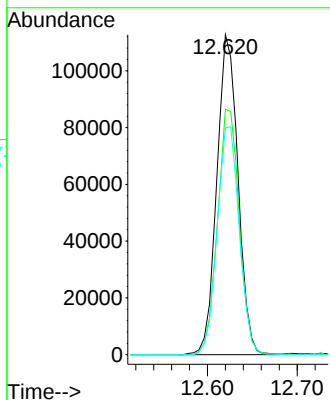
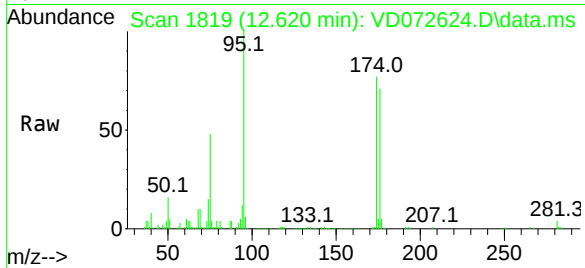




#62
4-Bromofluorobenzene
Concen: 45.429 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

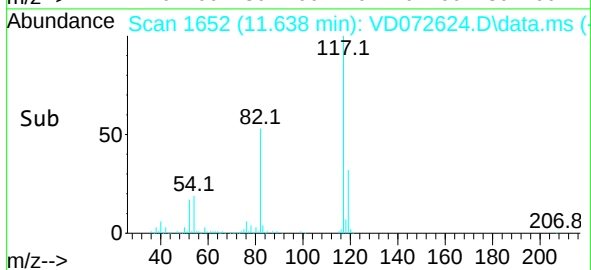
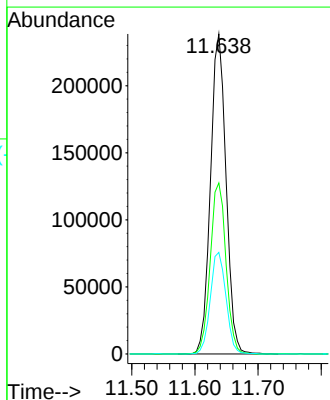
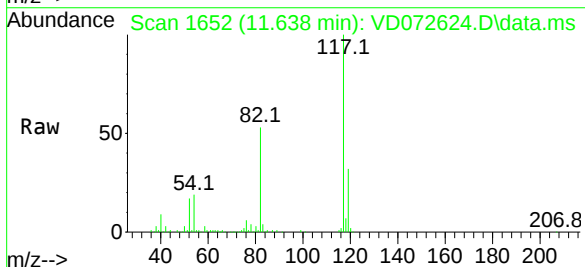
Instrument :
MSVOA_D
ClientSampleId :
PX-1

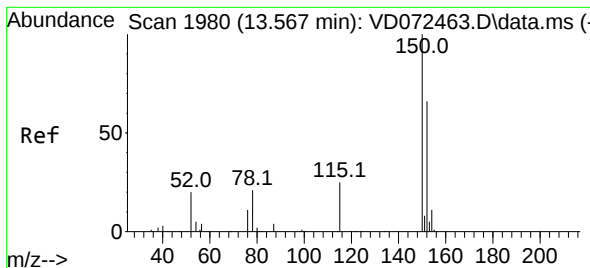
Tgt Ion: 95 Resp: 184505
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072624.D
Acq: 19 Apr 2022 14:54

Tgt Ion: 117 Resp: 407480
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 31.7 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD072624.D

Acq: 19 Apr 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

PX-1

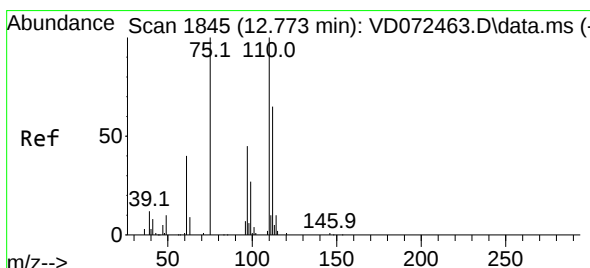
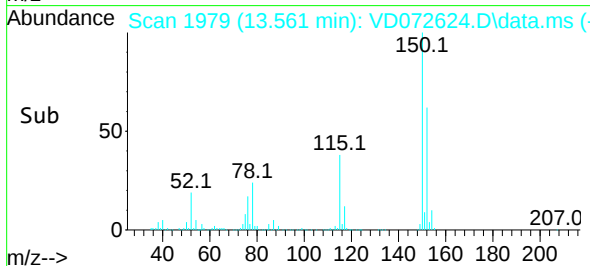
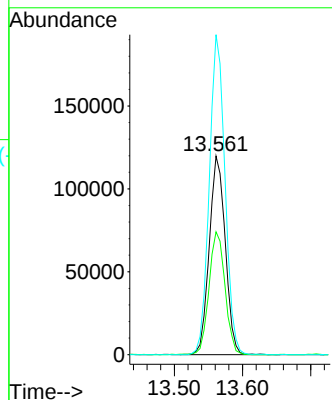
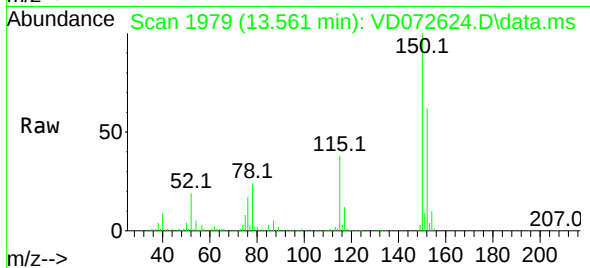
Tgt Ion:152 Resp: 195883

Ion Ratio Lower Upper

152 100

115 62.1 31.3 93.8

150 157.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 43.433 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072624.D

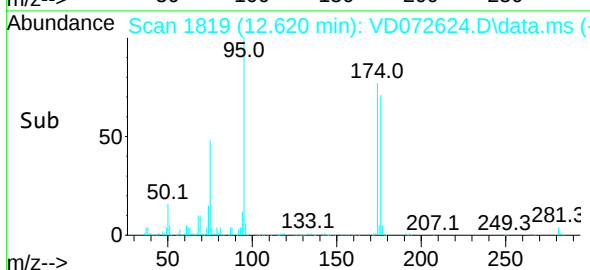
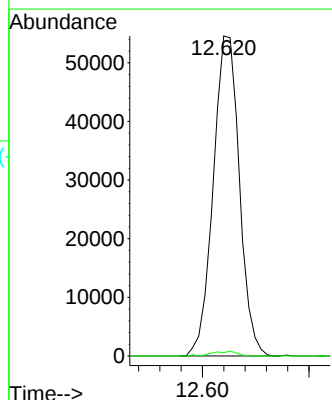
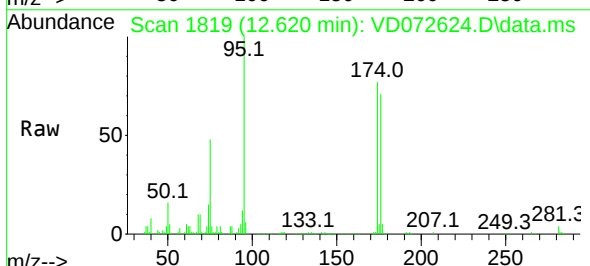
Acq: 19 Apr 2022 14:54

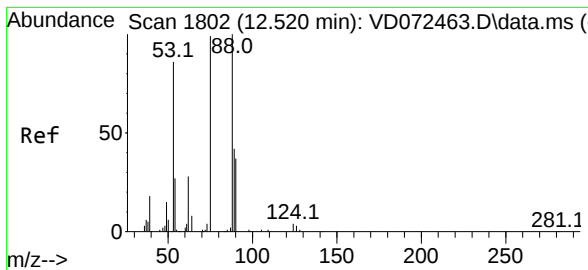
Tgt Ion: 75 Resp: 92791

Ion Ratio Lower Upper

75 100

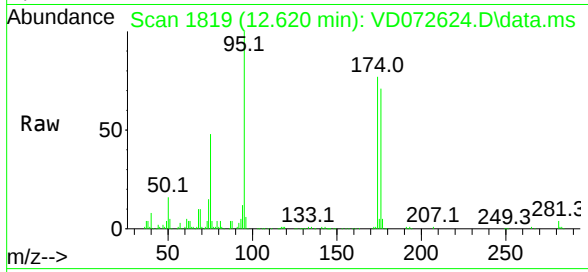
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.576 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072624.D
 Acq: 19 Apr 2022 14:54

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-1



Tgt Ion: 75 Resp: 92791
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#

