

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072596.D
 Acq On : 18 Apr 2022 14:33
 Operator : VA/SY
 Sample : N2426-02
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-2

Quant Time: Apr 19 02:50:30 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	399368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	755337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	720771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	327849	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	249175	51.577	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.160%	
35) Dibromofluoromethane	7.909	113	256400	43.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.360%	
50) Toluene-d8	10.332	98	888465	43.542	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.080%	
62) 4-Bromofluorobenzene	12.620	95	319042	40.036	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.080%	

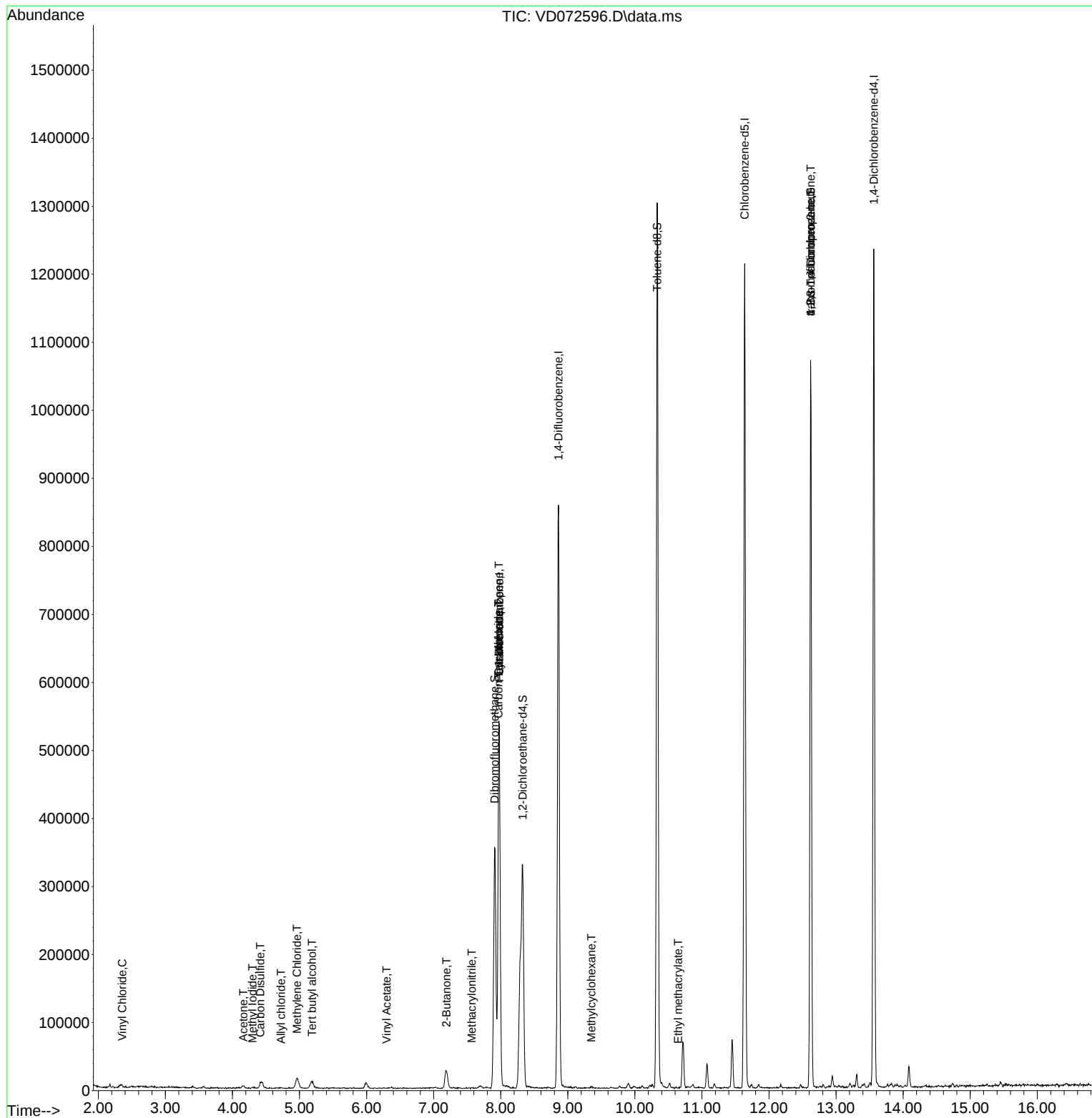
Target Compounds				Qvalue		
4) Vinyl Chloride	2.356	62	343	1.050	ug/l #	43
10) Methyl Iodide	4.297	142	820	3.908	ug/l #	38
11) Tert butyl alcohol	5.185	59	10933	42.853	ug/l #	74
14) Allyl chloride	4.726	41	383	1.186	ug/l #	22
16) Acetone	4.162	43	6759	7.503	ug/l #	88
17) Carbon Disulfide	4.415	76	3852	4.086	ug/l #	74
20) Methylene Chloride	4.962	84	12629	2.355	ug/l #	79
23) Vinyl Acetate	6.297	43	241	6.319	ug/l #	75
25) 2-Butanone	7.191	43	1348	1.082	ug/l #	52
31) Cyclohexane	7.973	56	9293	1.471	ug/l #	11
36) 1,1-Dichloropropene	7.973	75	31519	5.231	ug/l #	53
38) Carbon Tetrachloride	7.967	117	41961	5.189	ug/l #	17
39) Methylcyclohexane	9.350	83	1041	2.989	ug/l #	59
41) Methacrylonitrile	7.567	41	148	1.737	ug/l #	55
56) Ethyl methacrylate	10.644	69	321	1.247	ug/l #	31
76) 1,2,3-Trichloropropane	12.620	75	160269	44.821	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	160269	109.983	ug/l #	7

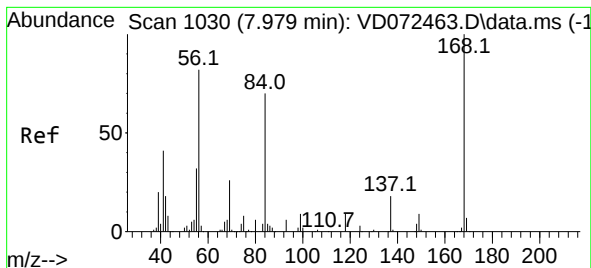
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 10

Delta R.T. 0.000 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Instrument :

MSVOA_D

ClientSampleId :

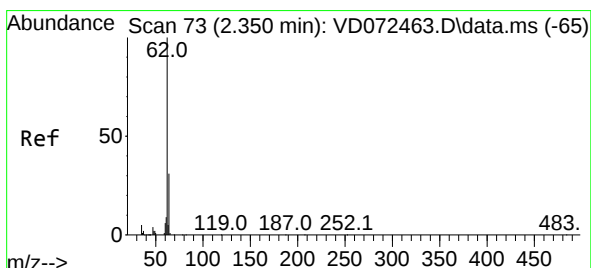
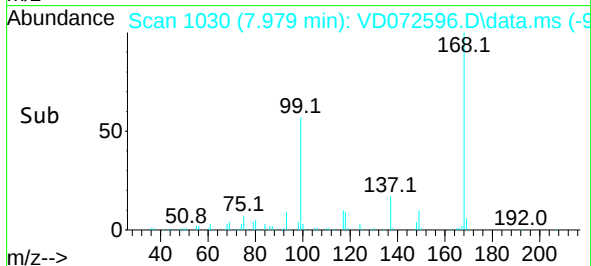
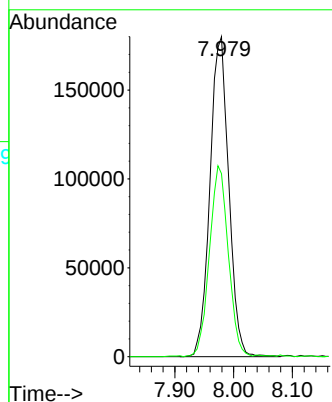
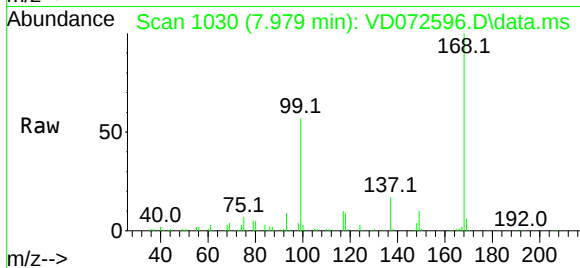
PX-2

Tgt Ion:168 Resp: 399368

Ion Ratio Lower Upper

168 100

99 56.9 49.8 74.6



#4

Vinyl Chloride

Concen: 1.050 ug/l

RT: 2.356 min Scan# 74

Delta R.T. 0.006 min

Lab File: VD072596.D

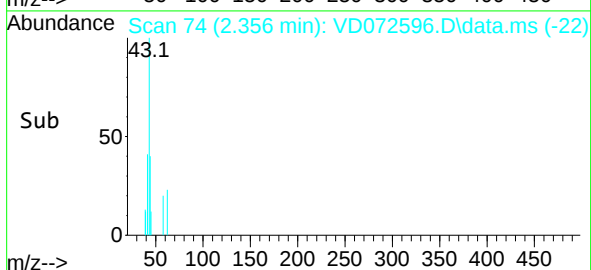
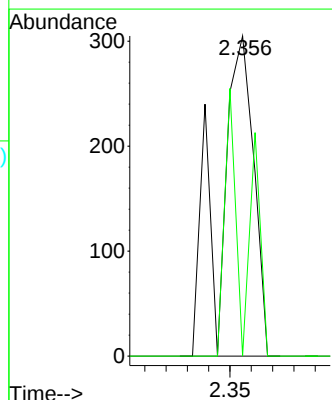
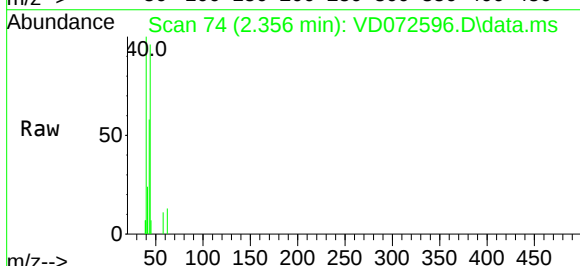
Acq: 18 Apr 2022 14:33

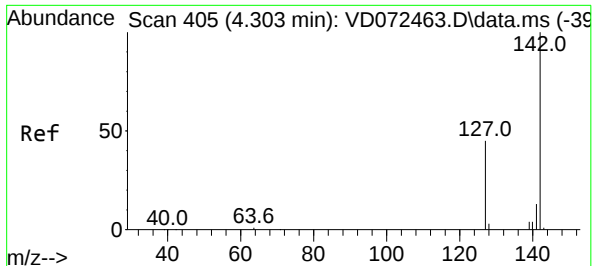
Tgt Ion: 62 Resp: 343

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#

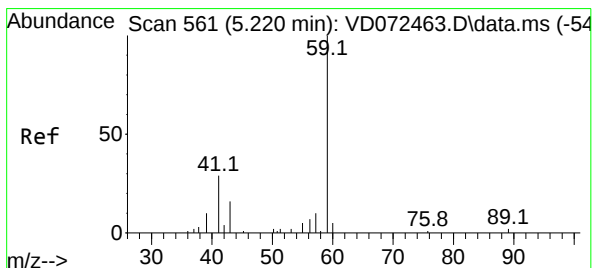
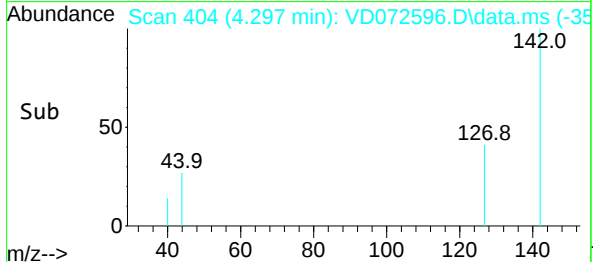
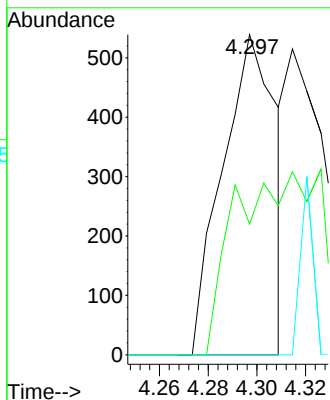
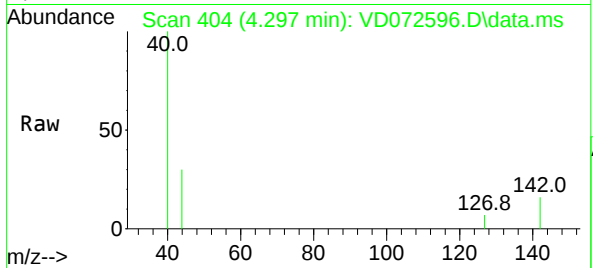




#10
Methyl Iodide
Concen: 3.908 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

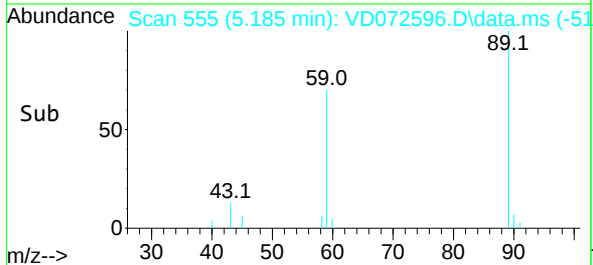
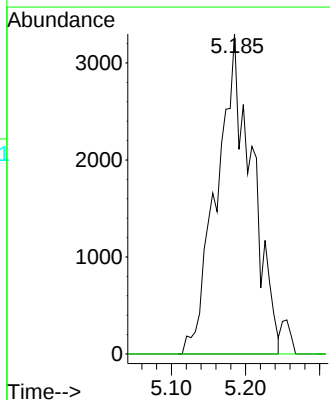
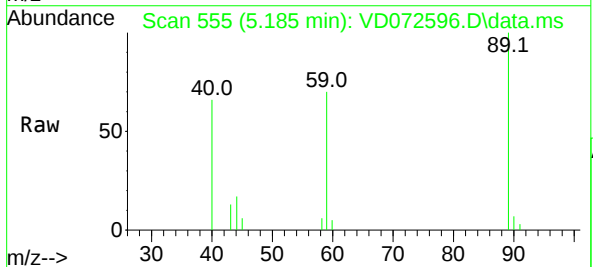
Instrument :
MSVOA_D
ClientSampleId :
PX-2

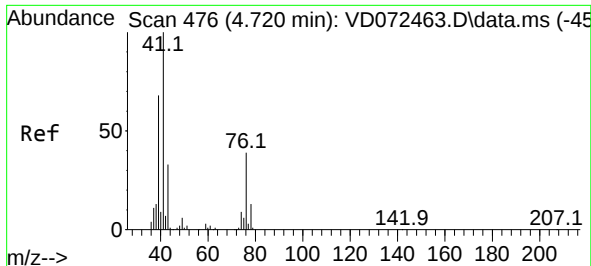
Tgt Ion:142 Resp: 820
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 42.853 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

Tgt Ion: 59 Resp: 10933
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

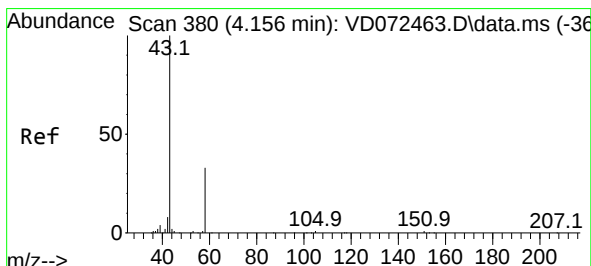
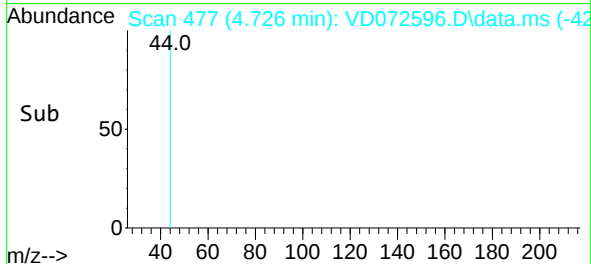
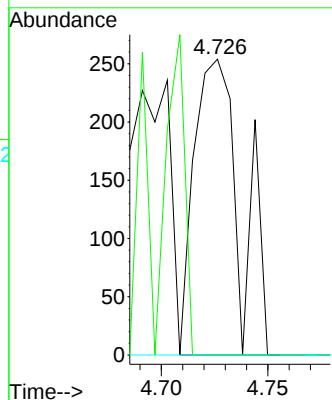
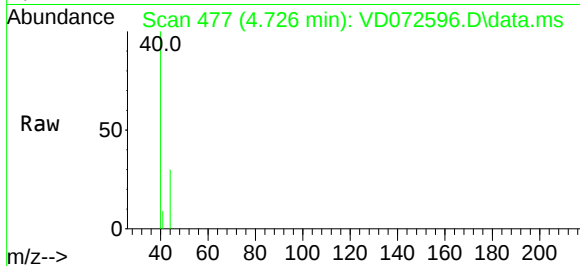




#14
 Allyl chloride
 Concen: 1.186 ug/l
 RT: 4.726 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VD072596.D
 Acq: 18 Apr 2022 14:33

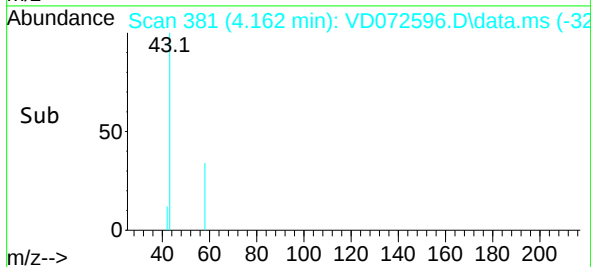
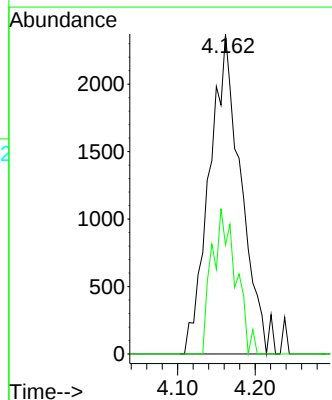
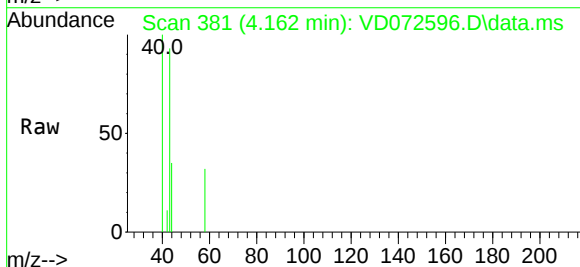
Instrument :
 MSVOA_D
 ClientSampleId :
 PX-2

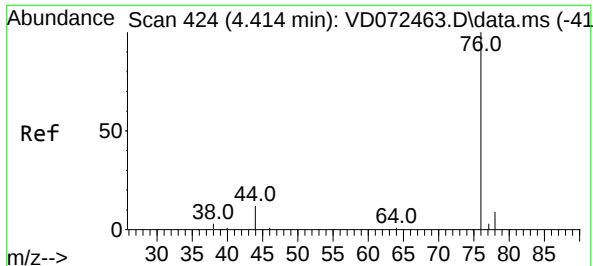
Tgt Ion: 41 Resp: 383
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 7.503 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072596.D
 Acq: 18 Apr 2022 14:33

Tgt Ion: 43 Resp: 6759
 Ion Ratio Lower Upper
 43 100
 58 34.1 22.1 33.1#





#17

Carbon Disulfide

Concen: 4.086 ug/l

RT: 4.415 min Scan# 41

Delta R.T. 0.001 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Instrument :

MSVOA_D

ClientSampleId :

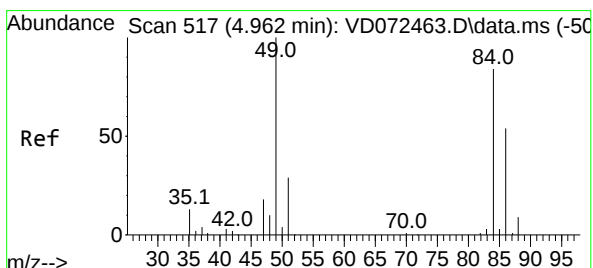
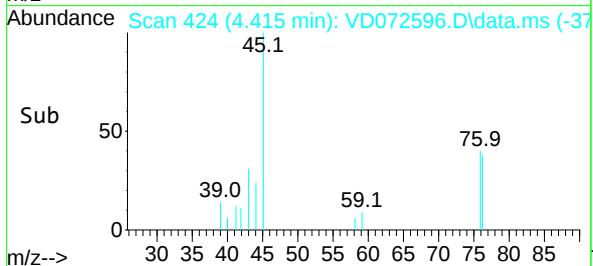
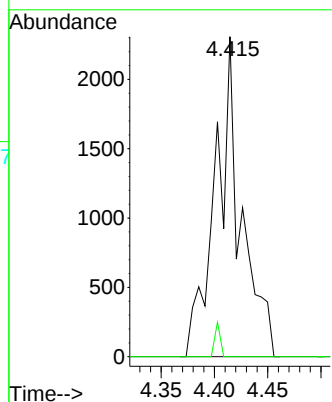
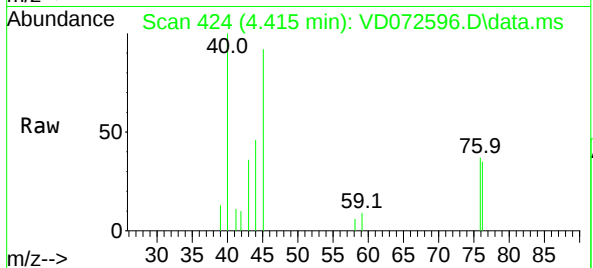
PX-2

Tgt Ion: 76 Resp: 3852

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 2.355 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Tgt Ion: 84 Resp: 12629

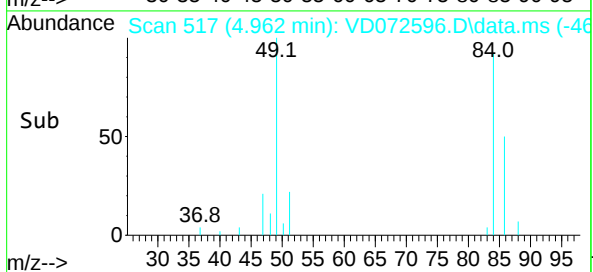
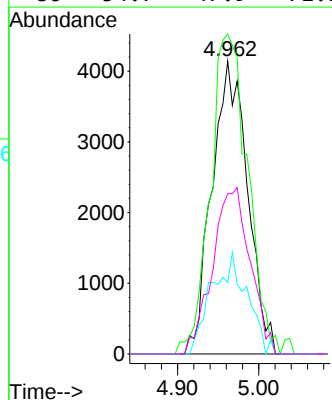
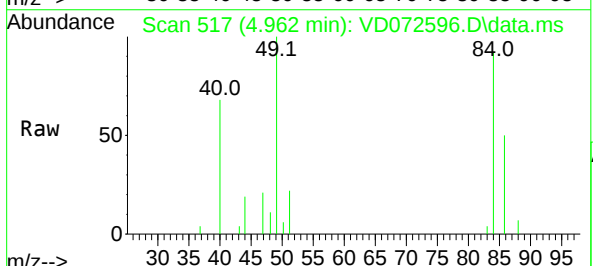
Ion Ratio Lower Upper

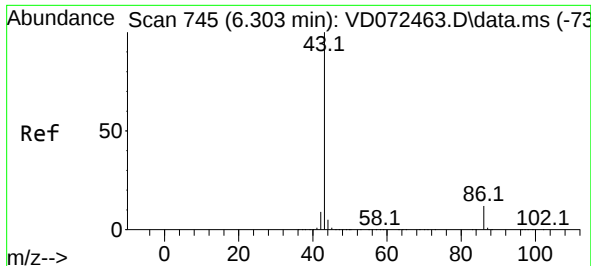
84 100

49 109.3 112.8 169.2#

51 24.4 32.6 48.8#

86 54.7 47.9 71.9

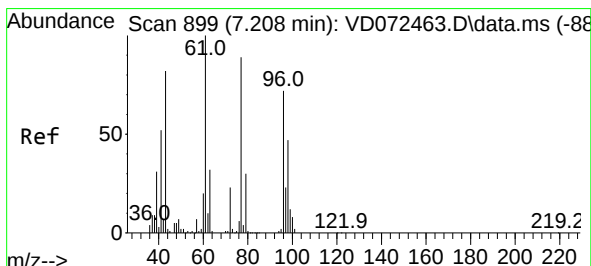
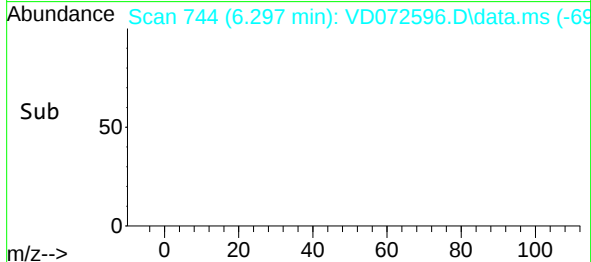
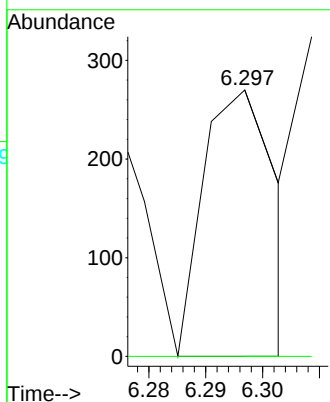
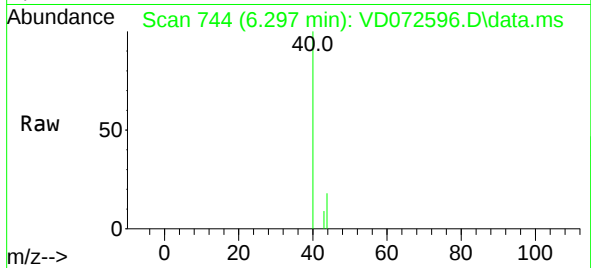




#23
 Vinyl Acetate
 Concen: 6.319 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD072596.D
 Acq: 18 Apr 2022 14:33

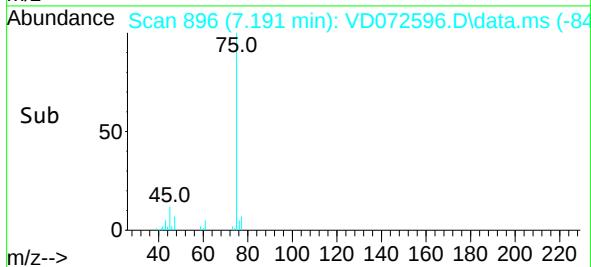
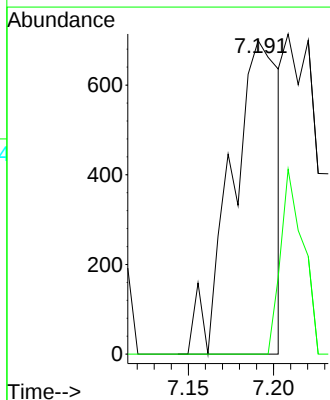
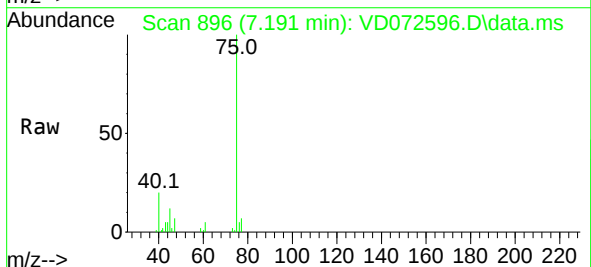
Instrument :
 MSVOA_D
 ClientSampleId :
 PX-2

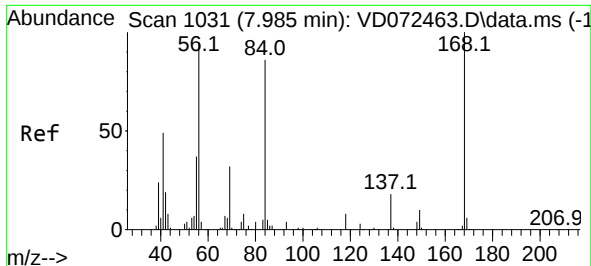
Tgt Ion: 43 Resp: 241
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.082 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.018 min
 Lab File: VD072596.D
 Acq: 18 Apr 2022 14:33

Tgt Ion: 43 Resp: 1348
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#

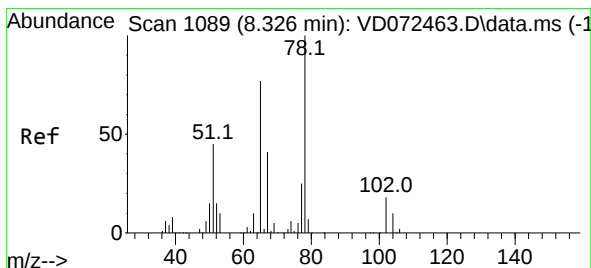
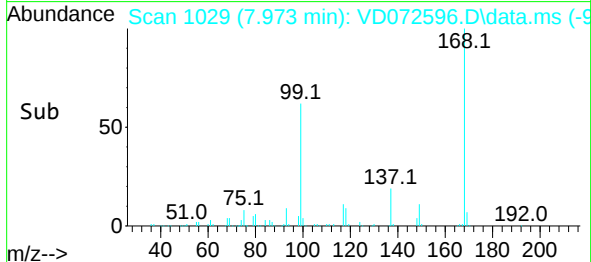
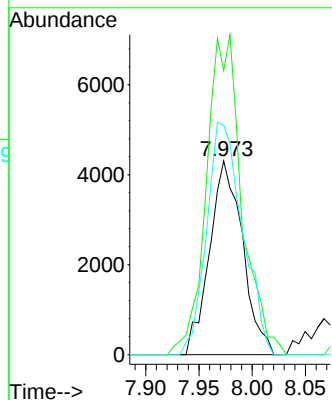
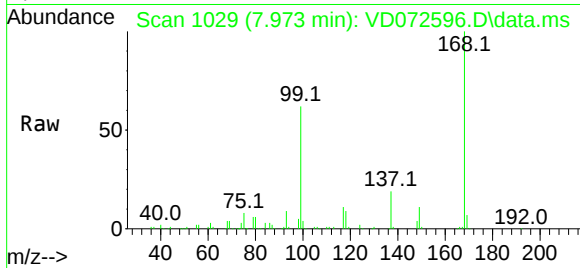




#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

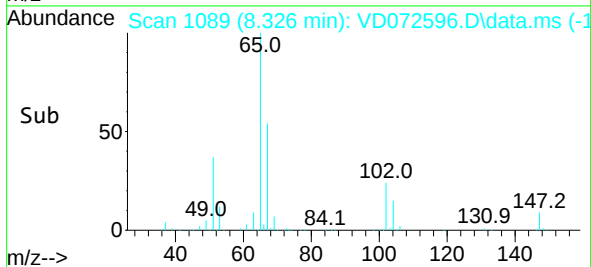
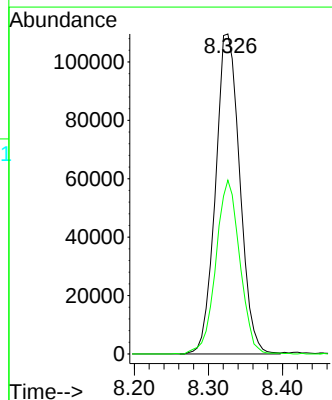
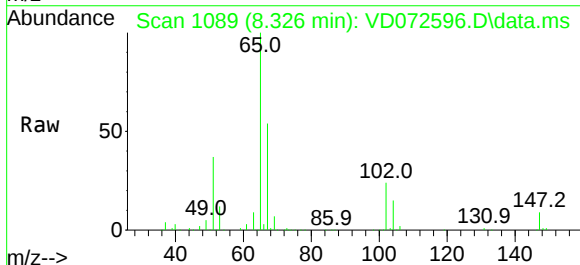
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PX-2

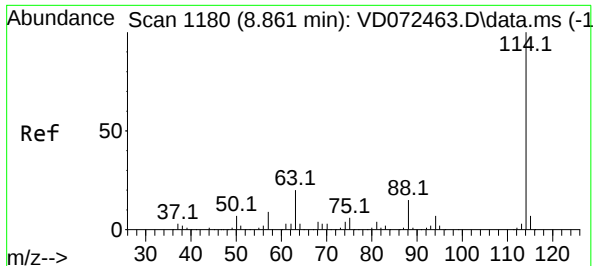
Tgt Ion: 56 Resp: 9293
Ion Ratio Lower Upper
56 100
69 141.7 25.4 38.2#
84 118.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 51.577 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

Tgt Ion: 65 Resp: 249175
Ion Ratio Lower Upper
65 100
67 53.6 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: VD072596.D

Acq: 18 Apr 2022 14:33

Instrument :

MSVOA_D

ClientSampleId :

PX-2

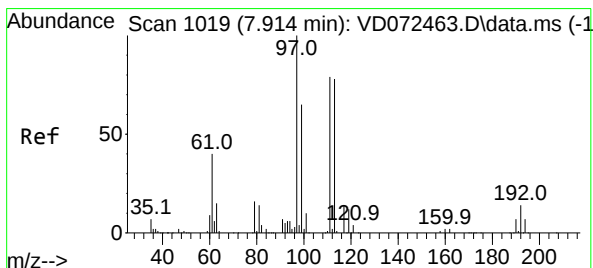
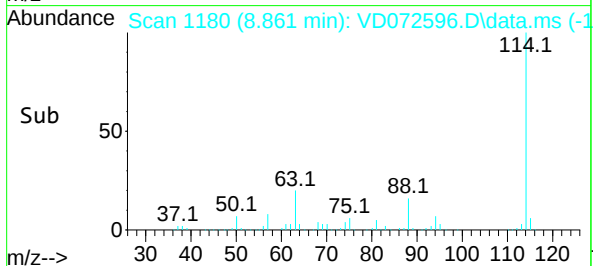
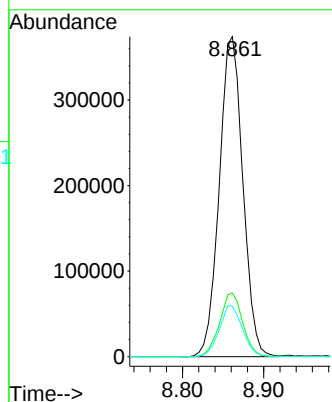
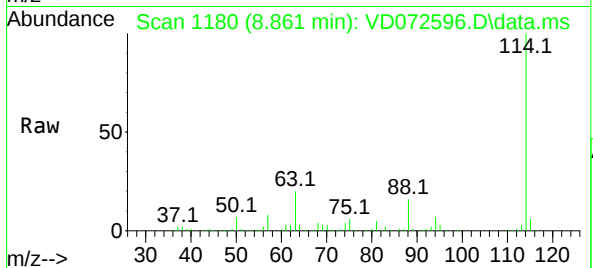
Tgt Ion:114 Resp: 755337

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.679 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

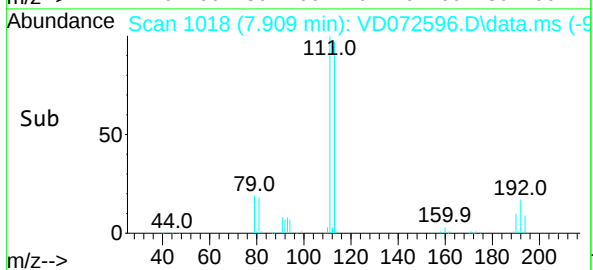
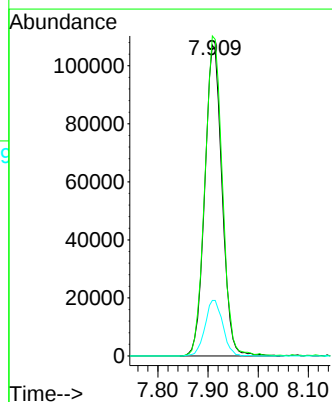
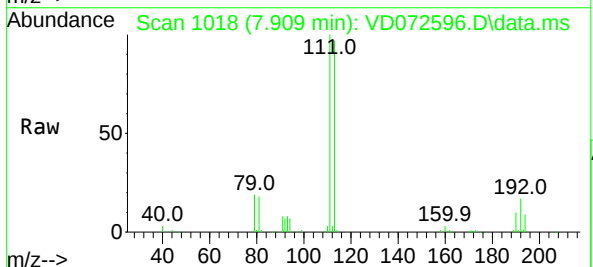
Tgt Ion:113 Resp: 256400

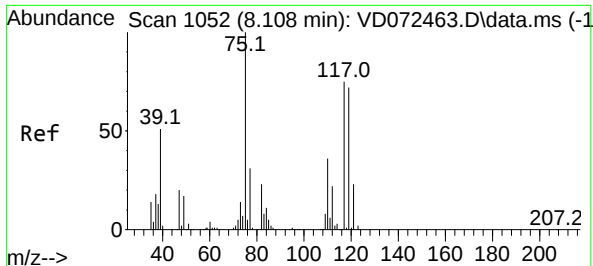
Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.231 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

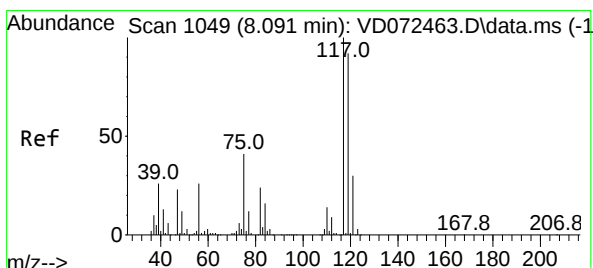
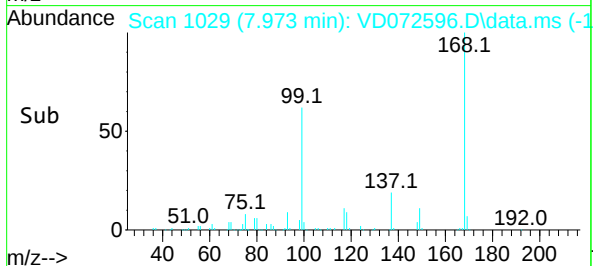
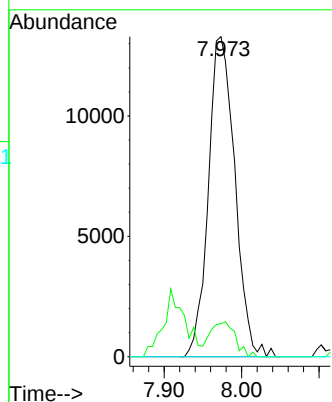
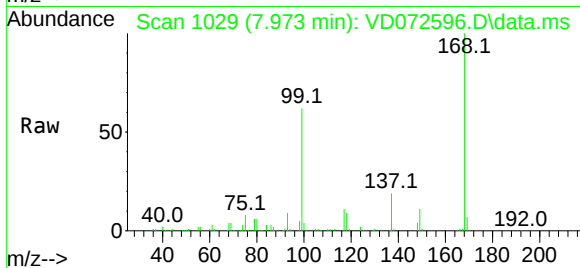
Instrument :

MSVOA_D

ClientSampleId :

PX-2

Tgt Ion:	75	Resp:	31519
Ion	Ratio	Lower	Upper
75	100		
110	10.3	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.189 ug/l

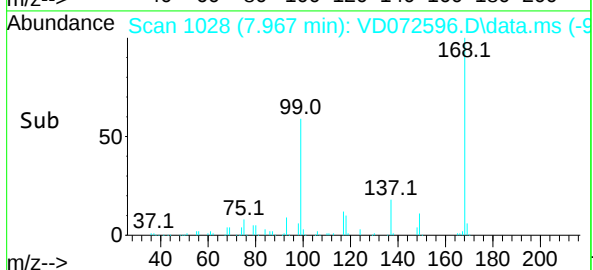
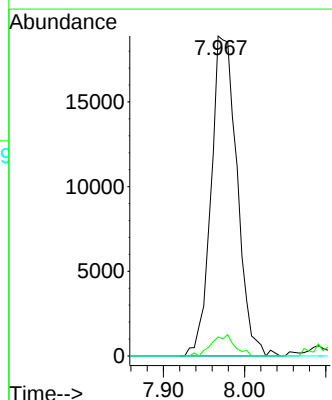
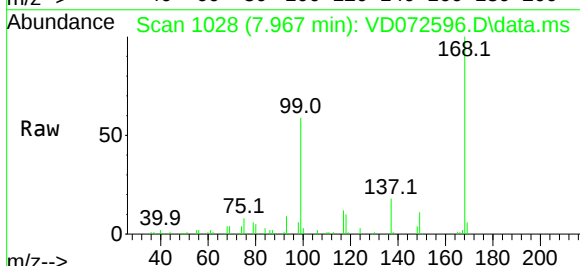
RT: 7.967 min Scan# 1028

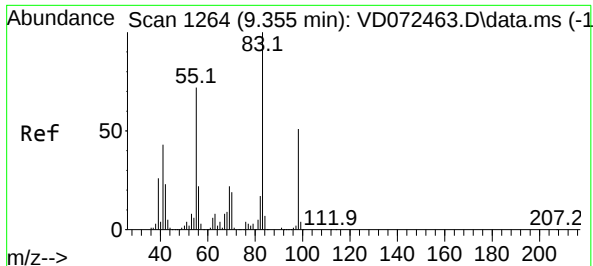
Delta R.T. -0.123 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Tgt Ion:	117	Resp:	41961
Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 2.989 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Instrument :

MSVOA_D

ClientSampleId :

PX-2

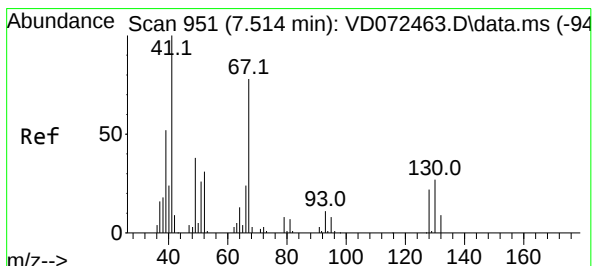
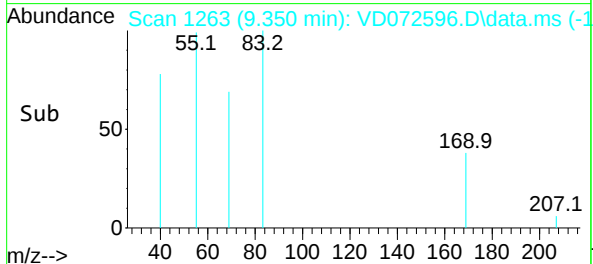
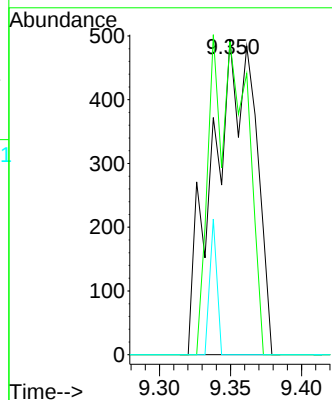
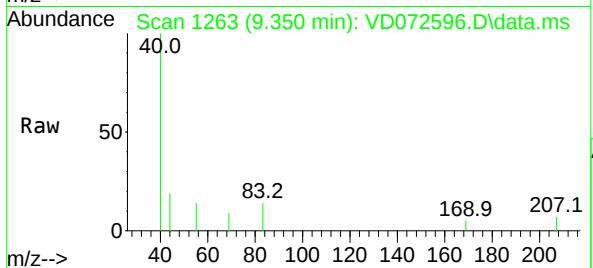
Tgt Ion: 83 Resp: 1041

Ion Ratio Lower Upper

83 100

55 99.4 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.737 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.053 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Tgt Ion: 41 Resp: 148

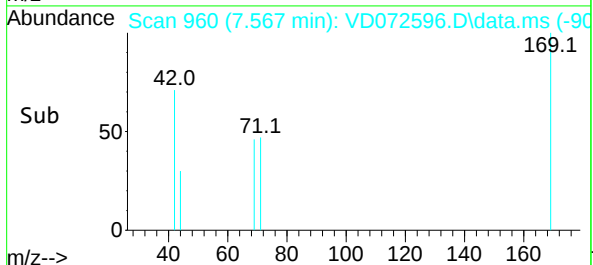
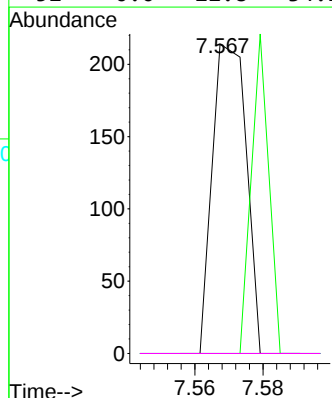
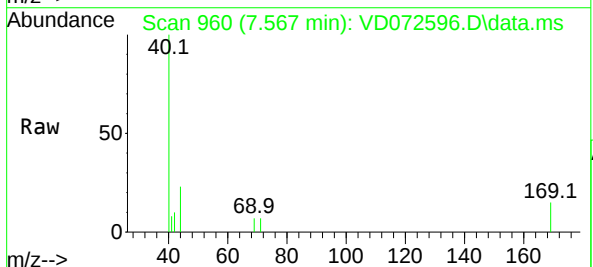
Ion Ratio Lower Upper

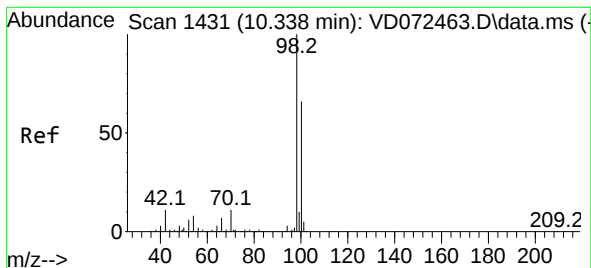
41 100

39 52.7 44.6 67.0

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#





#50

Toluene-d8

Concen: 43.542 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

Instrument :

MSVOA_D

ClientSampleId :

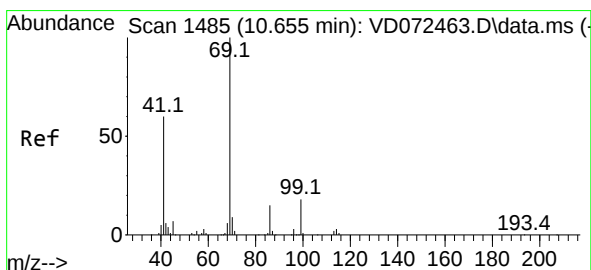
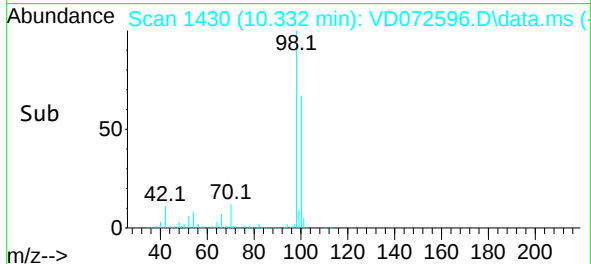
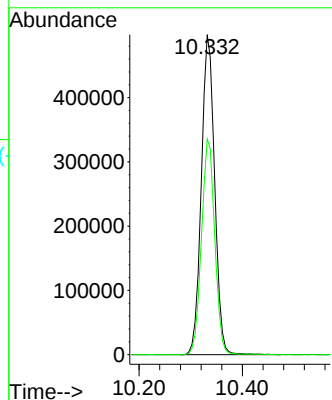
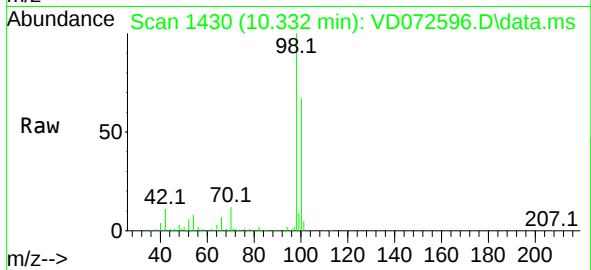
PX-2

Tgt Ion: 98 Resp: 888465

Ion Ratio Lower Upper

98 100

100 67.4 52.4 78.6



#56

Ethyl methacrylate

Concen: 1.247 ug/l

RT: 10.644 min Scan# 1483

Delta R.T. -0.011 min

Lab File: VD072596.D

Acq: 18 Apr 2022 14:33

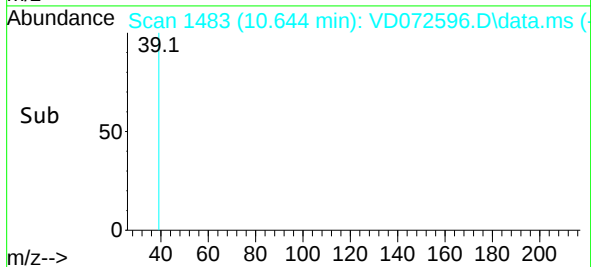
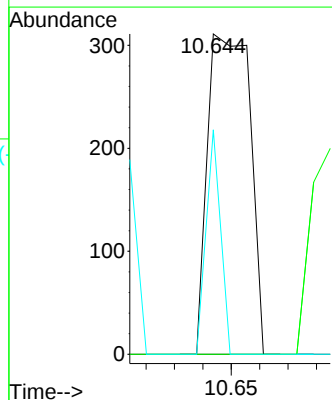
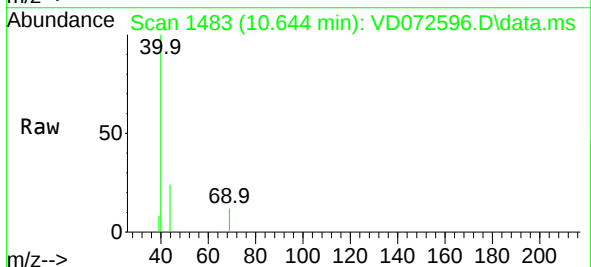
Tgt Ion: 69 Resp: 321

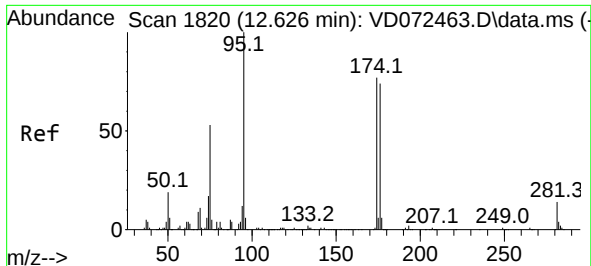
Ion Ratio Lower Upper

69 100

41 0.0 63.0 94.6#

39 24.0 33.8 50.8#

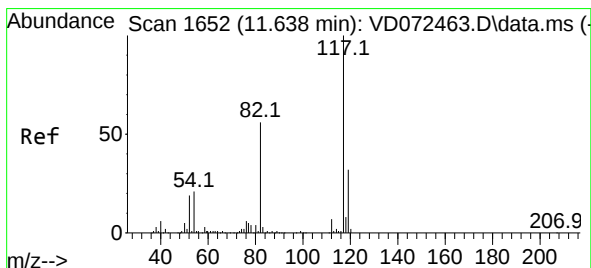
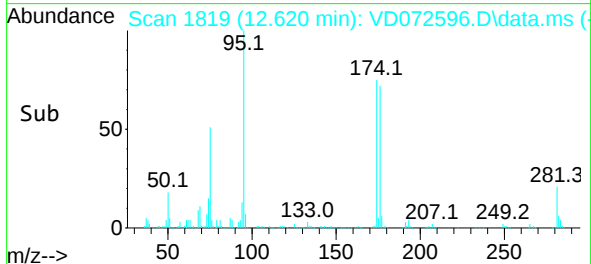
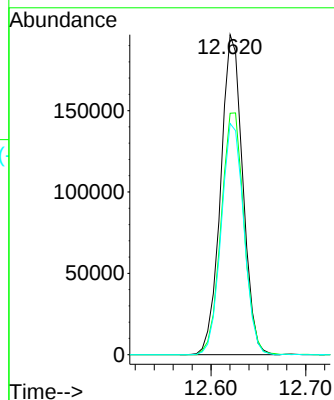
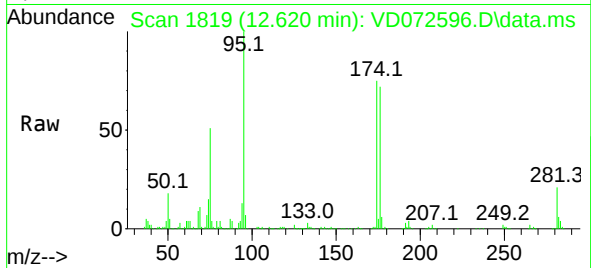




#62
4-Bromofluorobenzene
Concen: 40.036 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

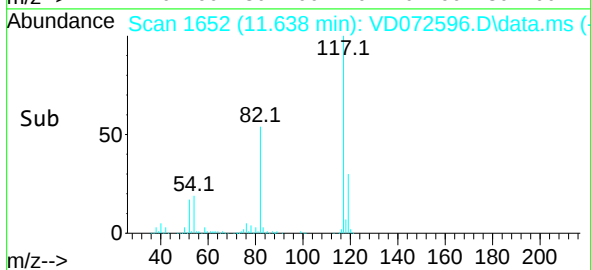
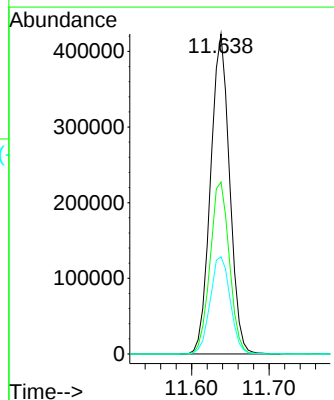
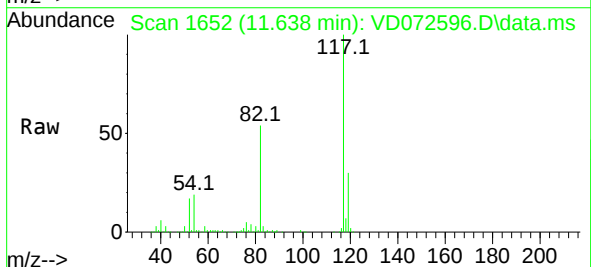
Instrument :
MSVOA_D
ClientSampleId :
PX-2

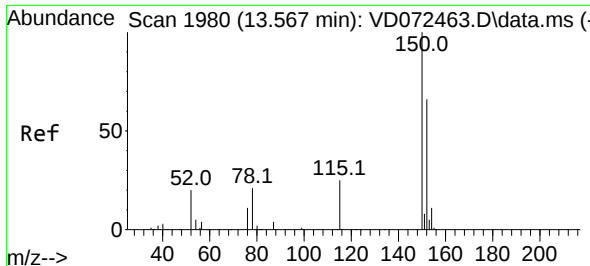
Tgt Ion: 95 Resp: 319042
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

Tgt Ion: 117 Resp: 720771
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 30.4 26.6 40.0

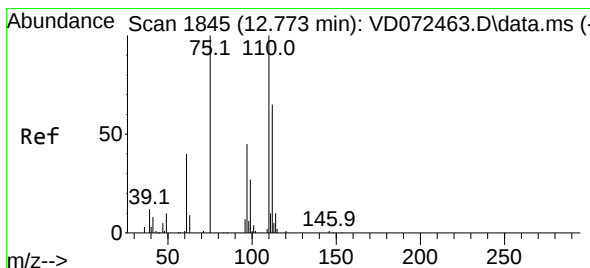
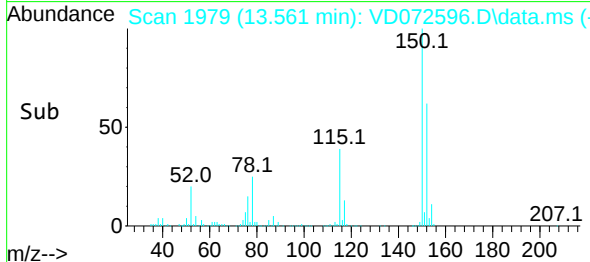
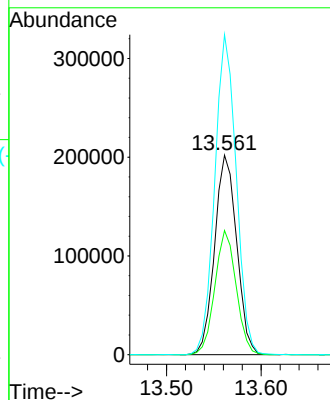
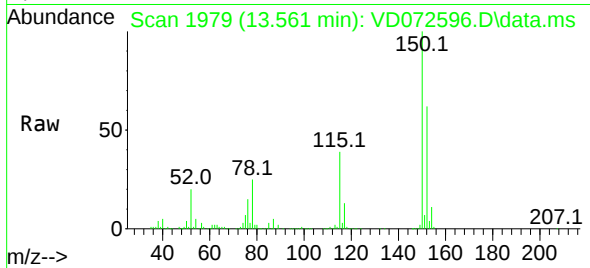




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

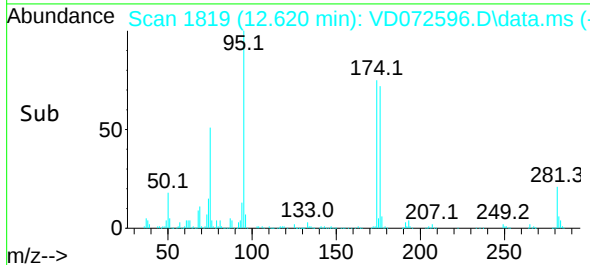
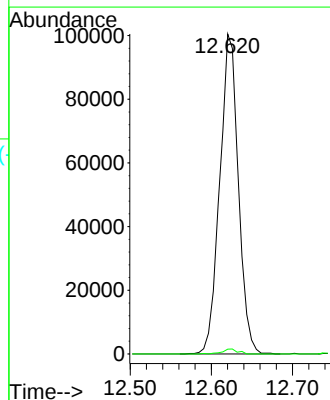
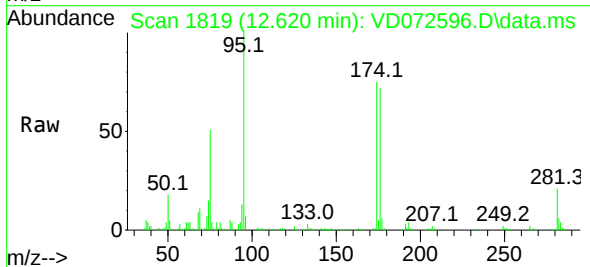
Instrument :
MSVOA_D
ClientSampleId :
PX-2

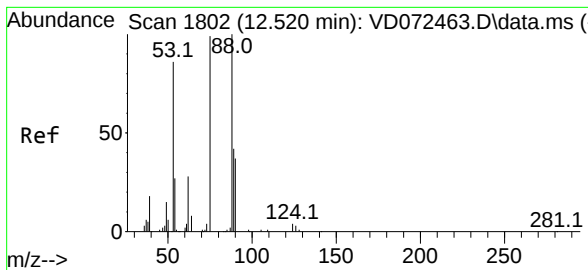
Tgt Ion:152 Resp: 327849
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 156.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.821 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072596.D
Acq: 18 Apr 2022 14:33

Tgt Ion: 75 Resp: 160269
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.983 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072596.D
 Acq: 18 Apr 2022 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-2

Tgt Ion: 75 Resp: 160269
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.3 33.9 50.9#

