

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072597.D
 Acq On : 18 Apr 2022 15:01
 Operator : VA/SY
 Sample : N2426-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-3

Quant Time: Apr 19 02:50:44 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)

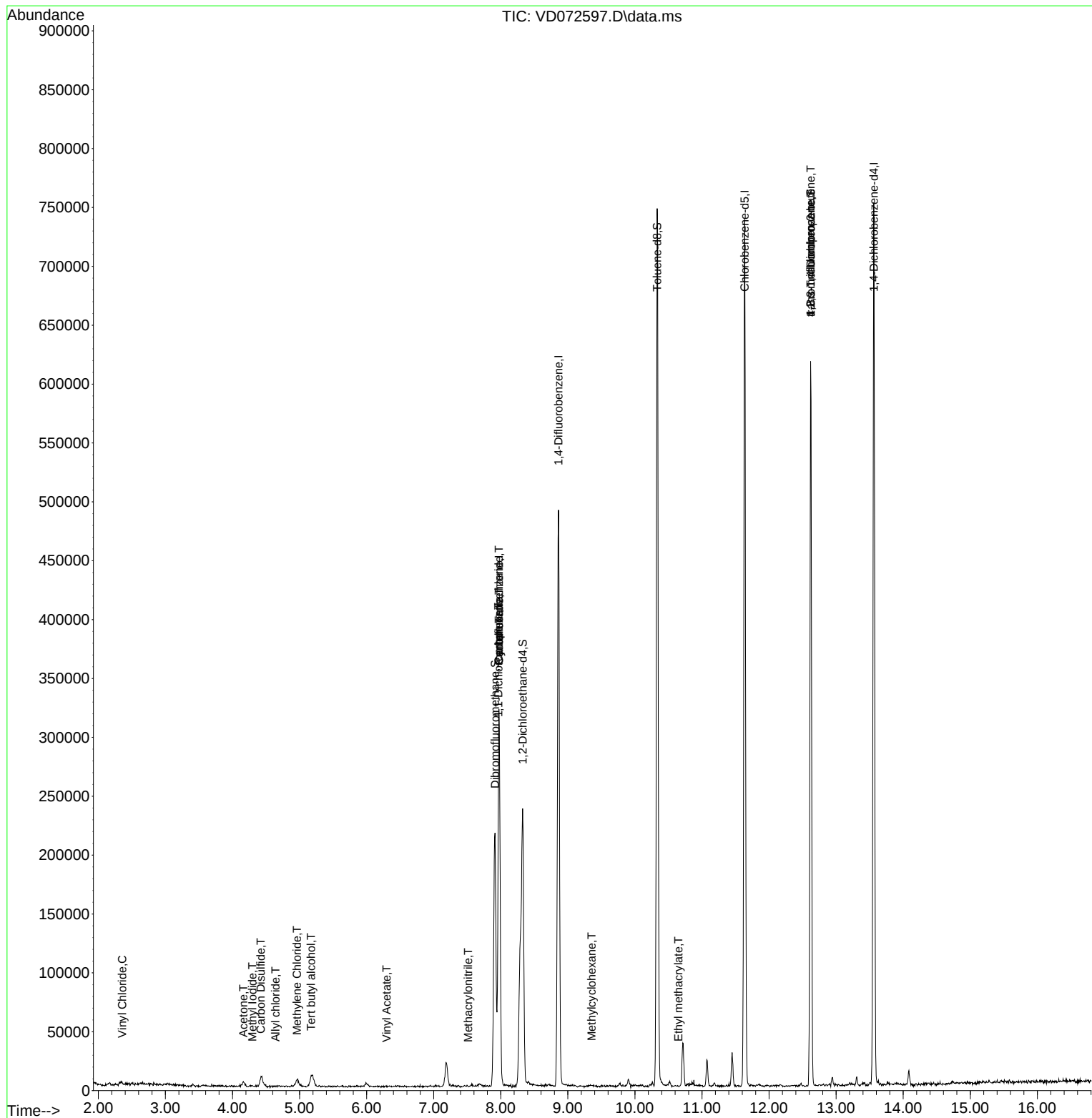
Internal Standards						
1) Pentafluorobenzene	7.973	168	228479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	431184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	437752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	204536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177624	64.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.540%
35) Dibromofluoromethane	7.914	113	159247	47.523	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.040%
50) Toluene-d8	10.332	98	519678	44.615	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.240%
62) 4-Bromofluorobenzene	12.620	95	193470	42.530	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.060%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.356	62	104	1.003	ug/l #	43
10) Methyl Iodide	4.297	142	475	3.911	ug/l #	88
11) Tert butyl alcohol	5.173	59	4589	31.440	ug/l #	74
14) Allyl chloride	4.644	41	132	1.163	ug/l #	22
16) Acetone	4.162	43	6249	12.125	ug/l	93
17) Carbon Disulfide	4.420	76	1509	3.941	ug/l #	74
20) Methylene Chloride	4.961	84	5135	1.674	ug/l #	65
23) Vinyl Acetate	6.297	43	115	6.314	ug/l #	75
31) Cyclohexane	7.973	56	4781	1.323	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	18267	5.294	ug/l #	52
38) Carbon Tetrachloride	7.973	117	25016	5.419	ug/l #	16
39) Methylcyclohexane	9.355	83	384	2.949	ug/l #	17
41) Methacrylonitrile	7.514	41	64	1.718	ug/l #	27
56) Ethyl methacrylate	10.649	69	58	1.209	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	98283	44.057	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	98283	108.108	ug/l #	7

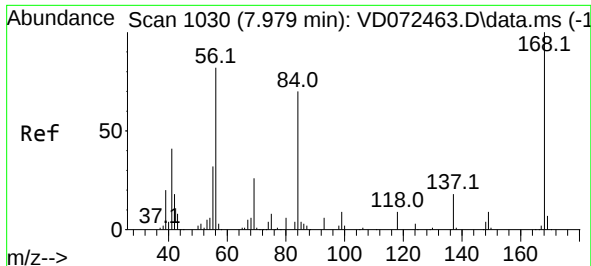
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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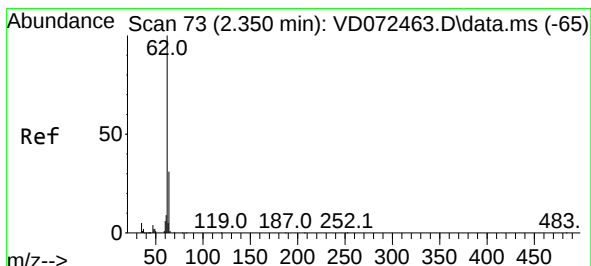
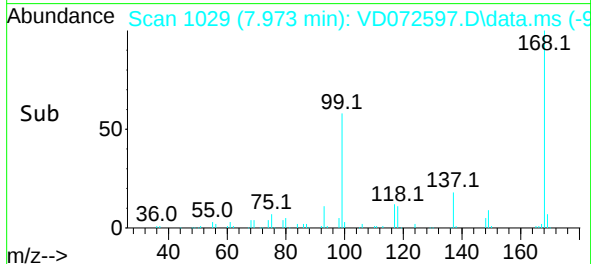
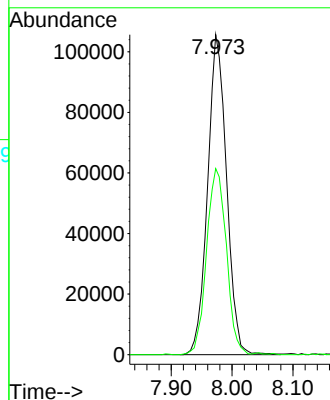
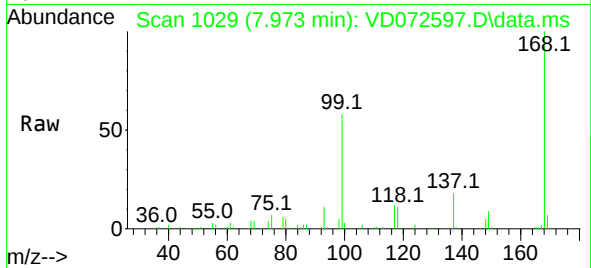




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

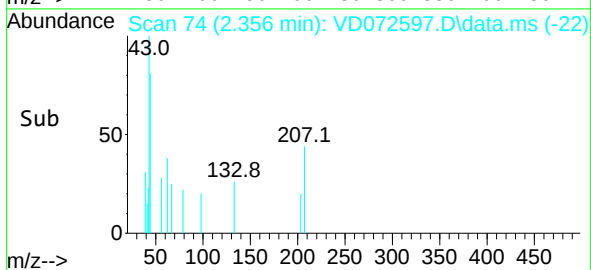
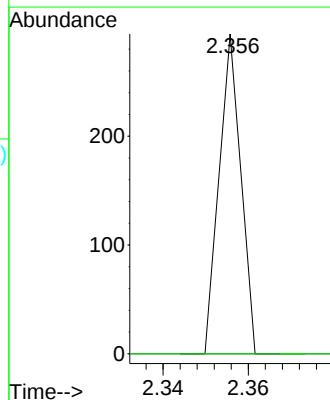
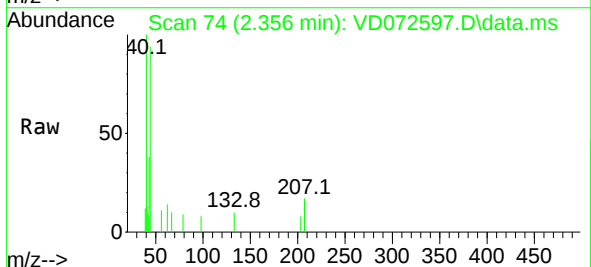
Instrument :
MSVOA_D
ClientSampleId :
PX-3

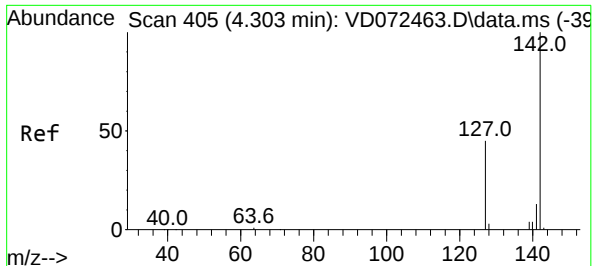
Tgt Ion:168 Resp: 228479
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#4
Vinyl Chloride
Concen: 1.003 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion: 62 Resp: 104
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

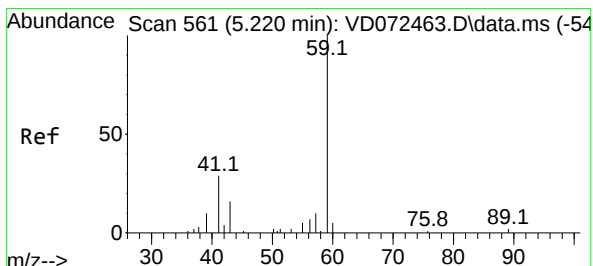
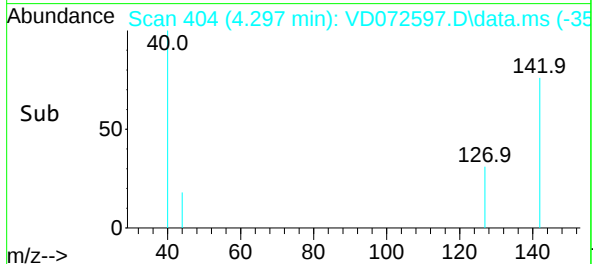
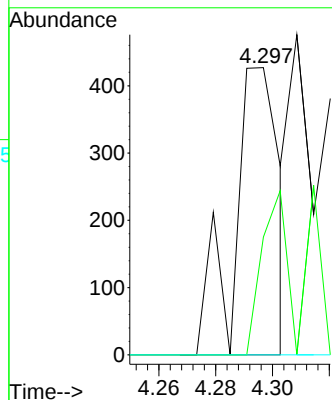
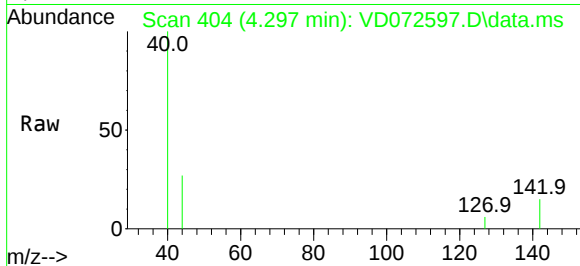




#10
Methyl Iodide
Concen: 3.911 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

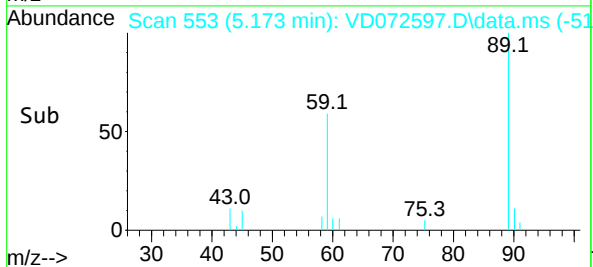
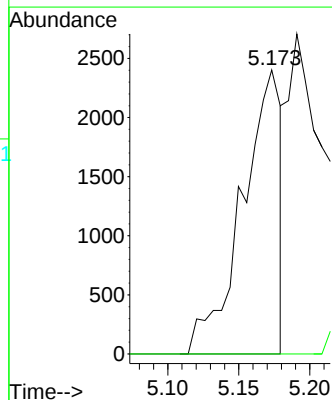
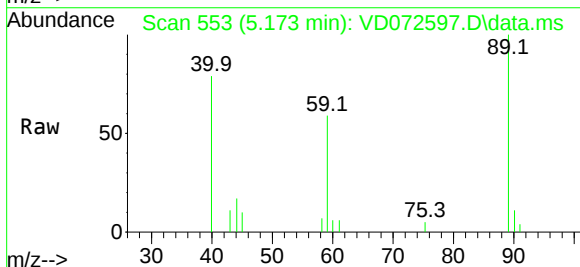
Instrument :
MSVOA_D
ClientSampleId :
PX-3

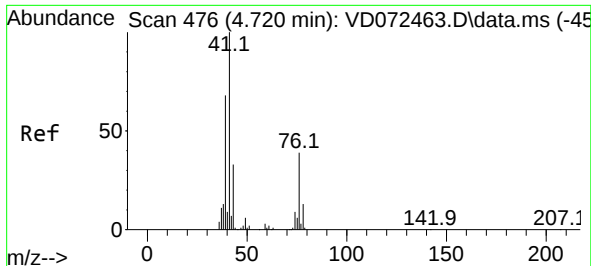
Tgt Ion:142 Resp: 475
Ion Ratio Lower Upper
142 100
127 49.9 37.3 55.9
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 31.440 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion: 59 Resp: 4589
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

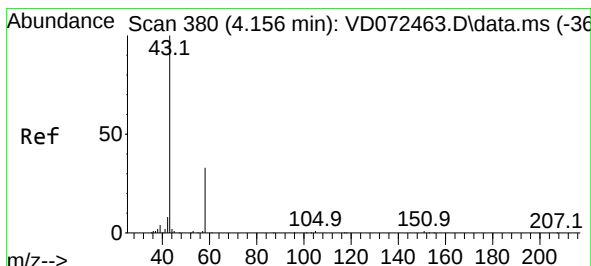
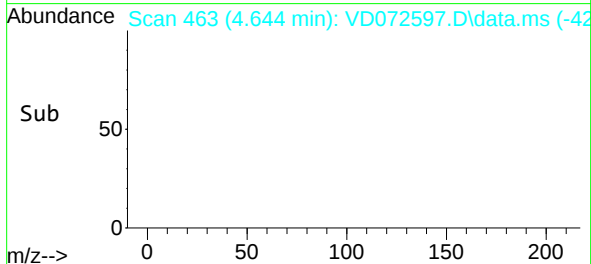
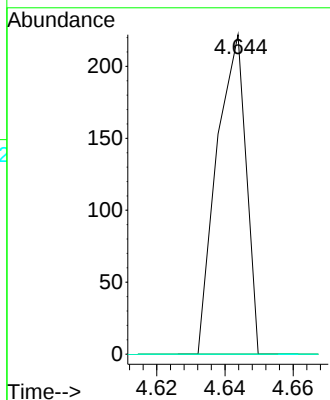
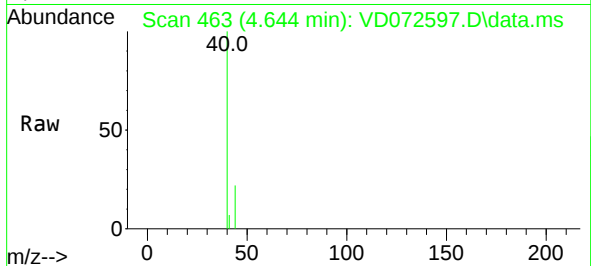




#14
 Allyl chloride
 Concen: 1.163 ug/l
 RT: 4.644 min Scan# 41
 Delta R.T. -0.076 min
 Lab File: VD072597.D
 Acq: 18 Apr 2022 15:01

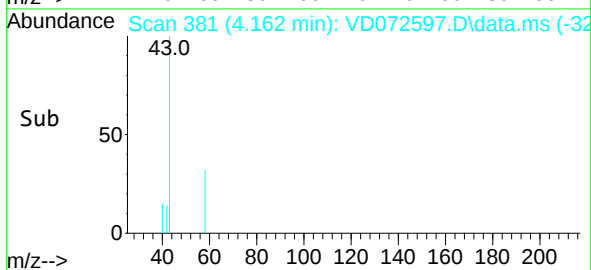
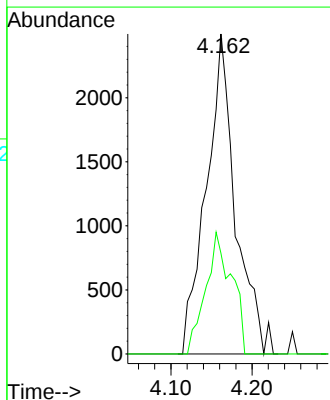
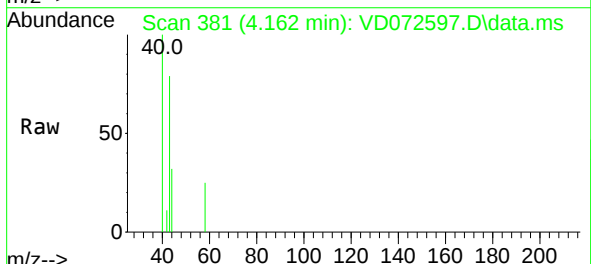
Instrument :
 MSVOA_D
 ClientSampleId :
 PX-3

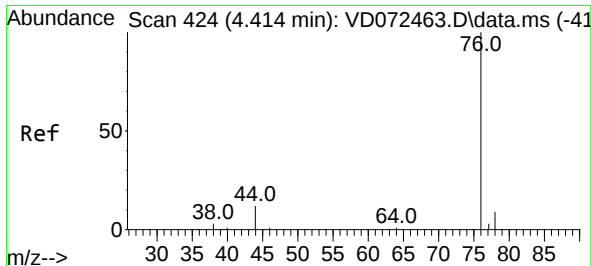
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
76	0.0	25.7	38.5#



#16
 Acetone
 Concen: 12.125 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072597.D
 Acq: 18 Apr 2022 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.5	22.1	33.1

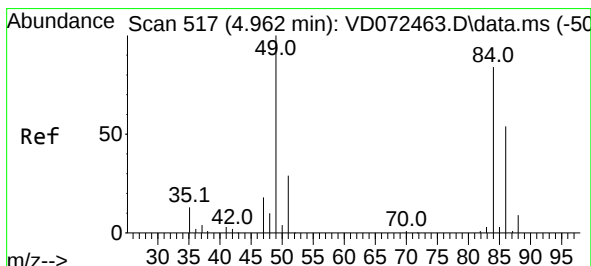
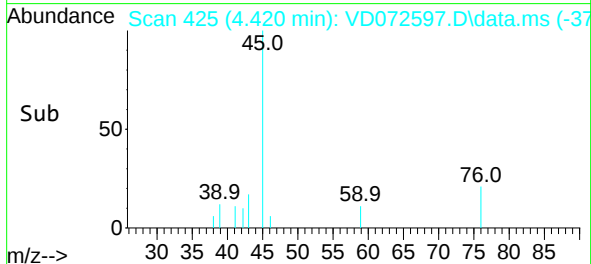
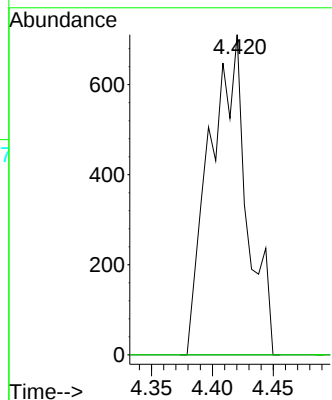
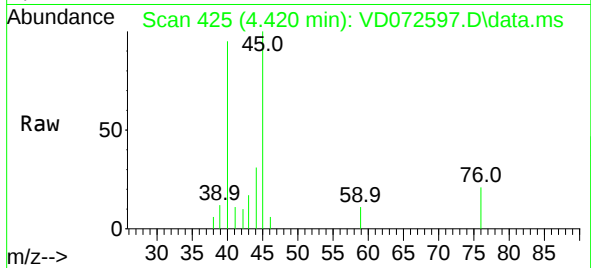




#17
Carbon Disulfide
Concen: 3.941 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

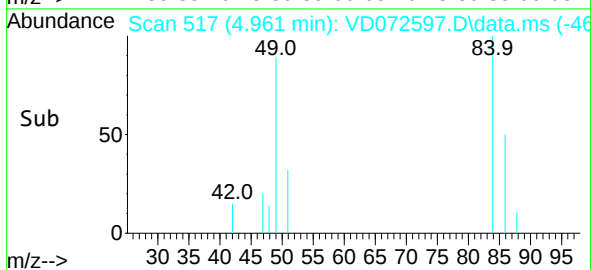
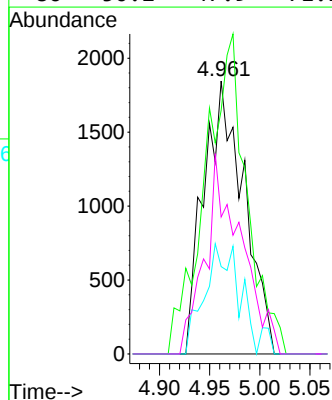
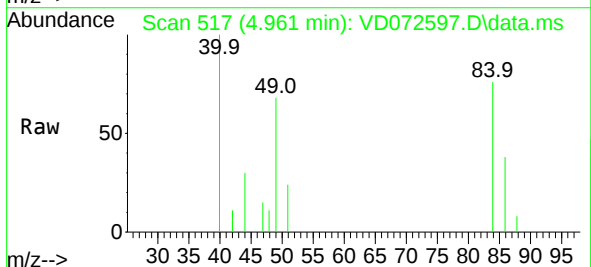
Instrument :
MSVOA_D
ClientSampleId :
PX-3

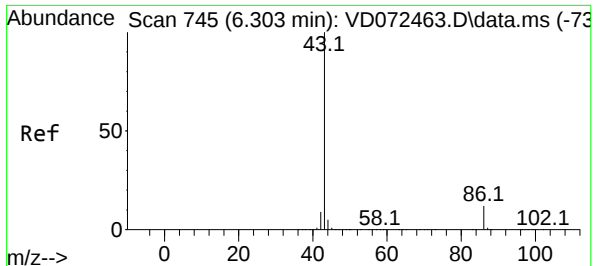
Tgt Ion: 76 Resp: 1509
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 1.674 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion: 84 Resp: 5135
Ion Ratio Lower Upper
84 100
49 79.6 112.8 169.2#
51 32.0 32.6 48.8#
86 50.2 47.9 71.9





#23

Vinyl Acetate

Concen: 6.314 ug/l

RT: 6.297 min Scan# 74

Delta R.T. -0.006 min

Lab File: VD072597.D

Acq: 18 Apr 2022 15:01

Instrument :

MSVOA_D

ClientSampleId :

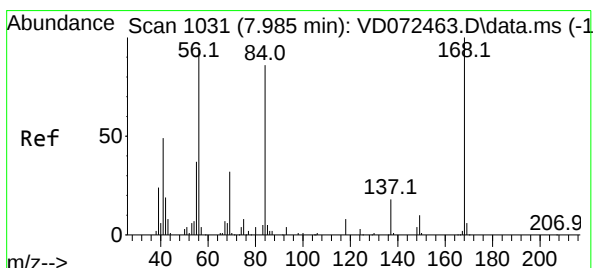
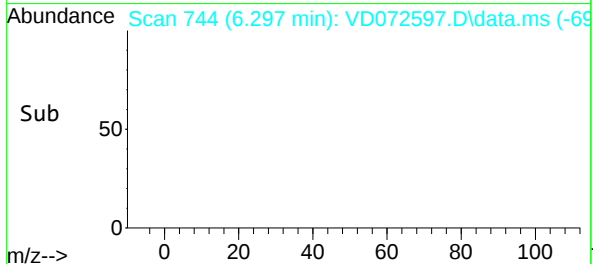
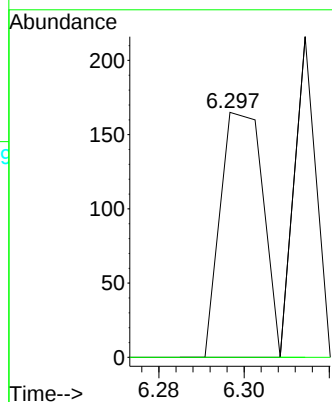
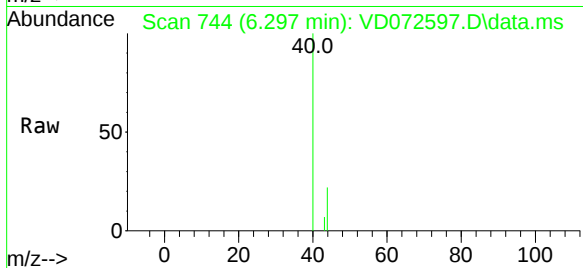
PX-3

Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



#31

Cyclohexane

Concen: 1.323 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072597.D

Acq: 18 Apr 2022 15:01

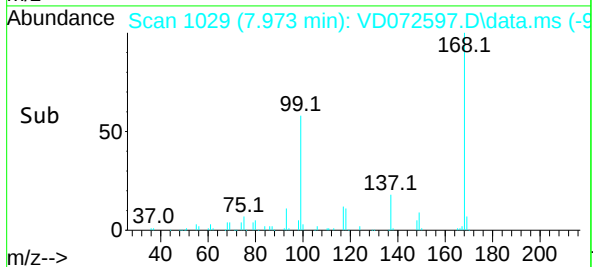
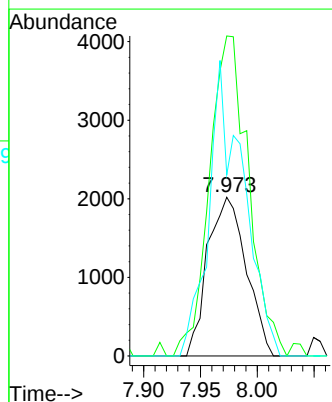
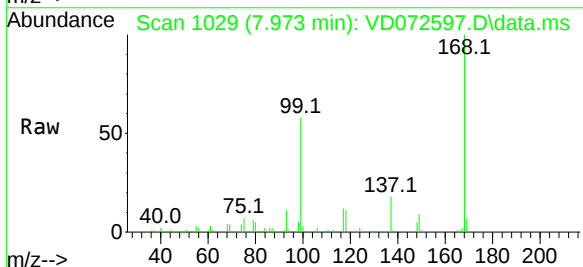
Tgt Ion: 56 Resp: 4781

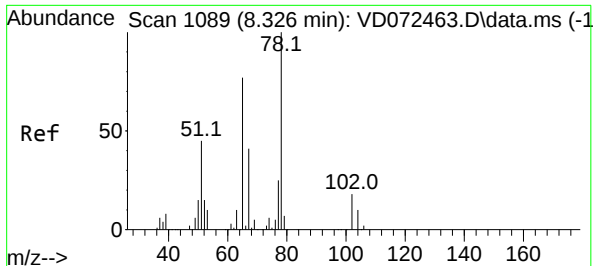
Ion Ratio Lower Upper

56 100

69 192.8 25.4 38.2#

84 114.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 64.266 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072597.D

Acq: 18 Apr 2022 15:01

Instrument :

MSVOA_D

ClientSampleId :

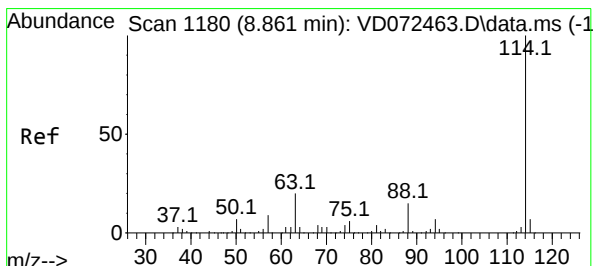
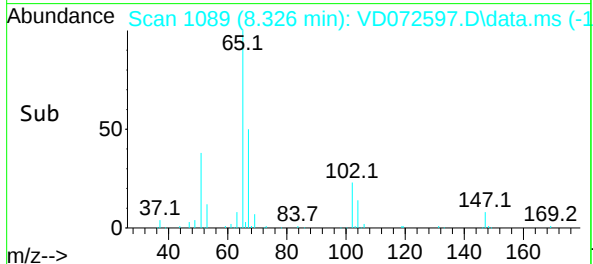
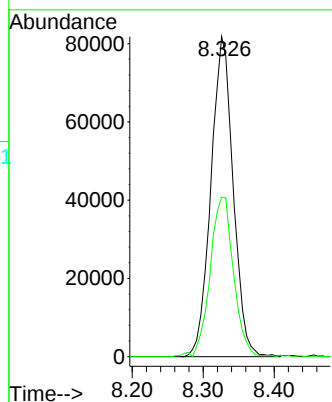
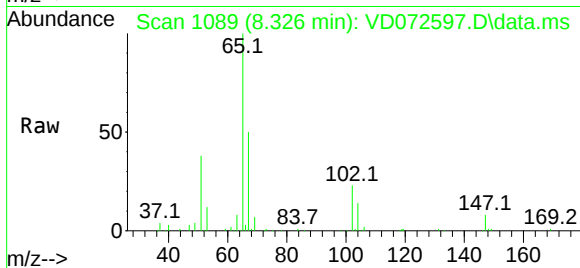
PX-3

Tgt Ion: 65 Resp: 177624

Ion Ratio Lower Upper

65 100

67 52.6 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: VD072597.D

Acq: 18 Apr 2022 15:01

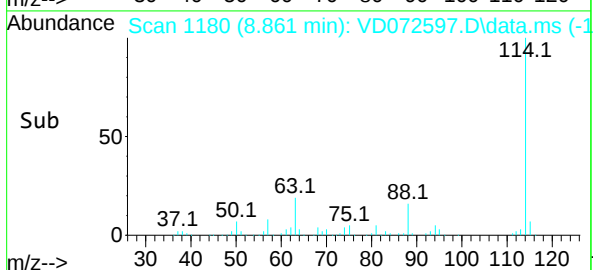
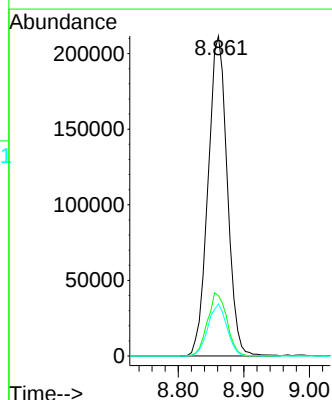
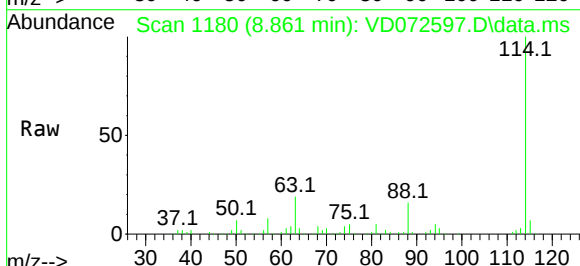
Tgt Ion: 114 Resp: 431184

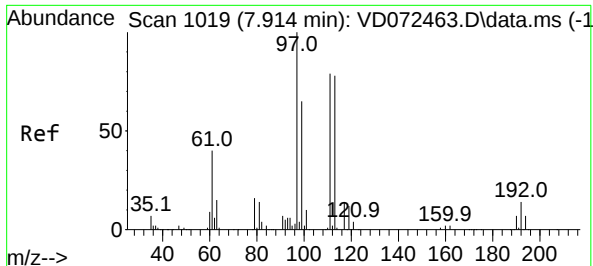
Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.523 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD072597.D

Acq: 18 Apr 2022 15:01

Instrument :

MSVOA_D

ClientSampleId :

PX-3

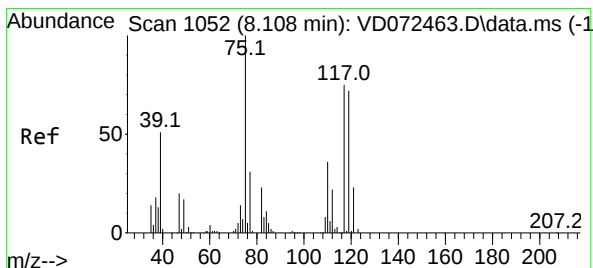
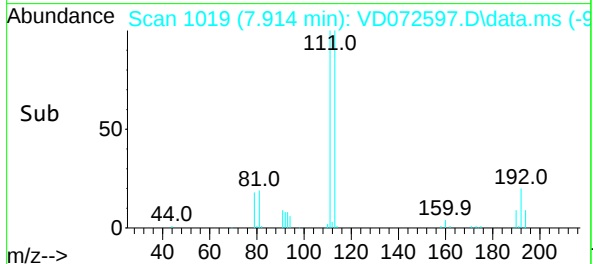
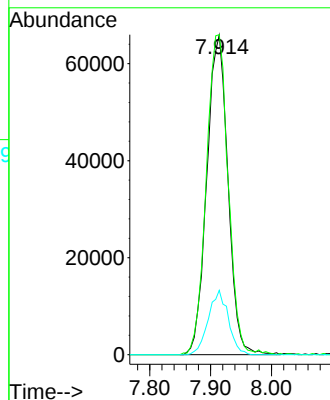
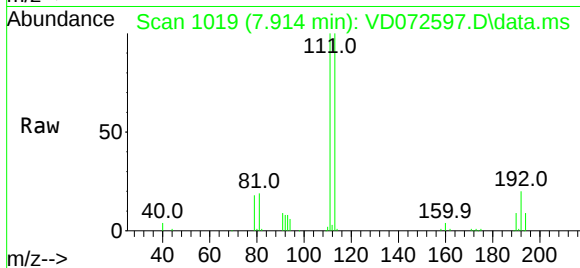
Tgt Ion:113 Resp: 159247

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 19.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.294 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072597.D

Acq: 18 Apr 2022 15:01

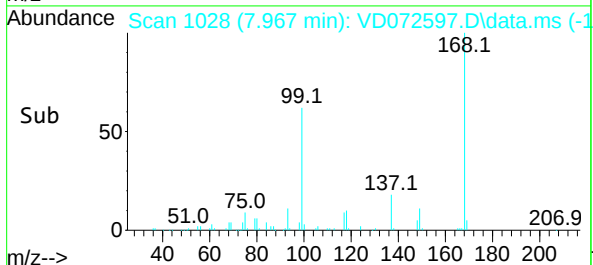
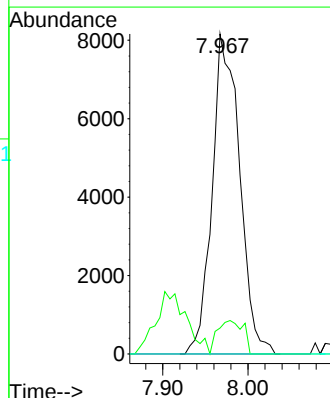
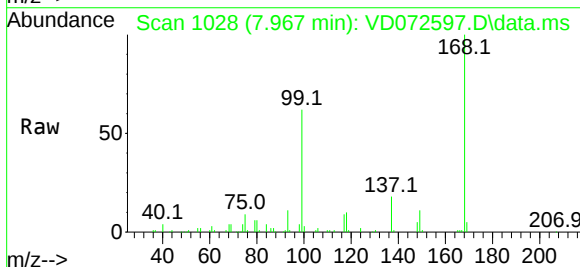
Tgt Ion: 75 Resp: 18267

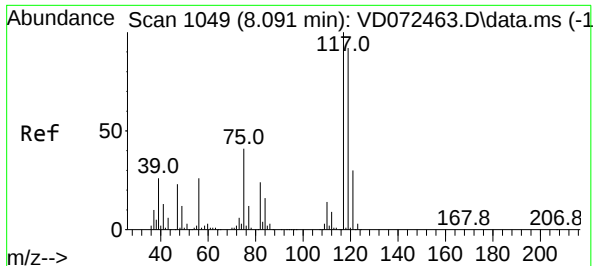
Ion Ratio Lower Upper

75 100

110 9.8 16.4 49.1#

77 0.0 24.2 36.2#

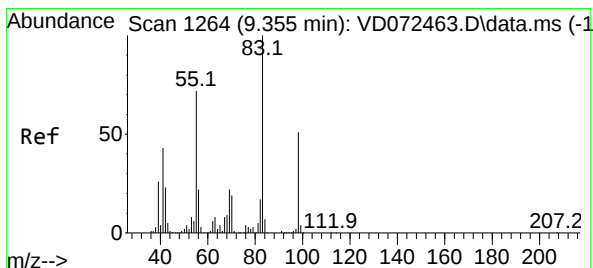
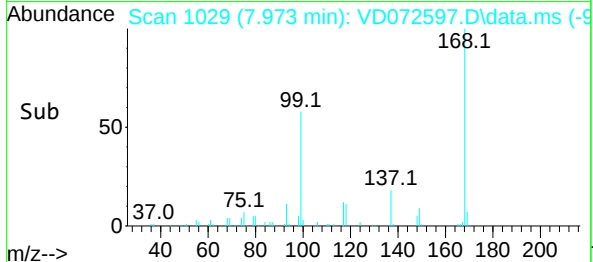
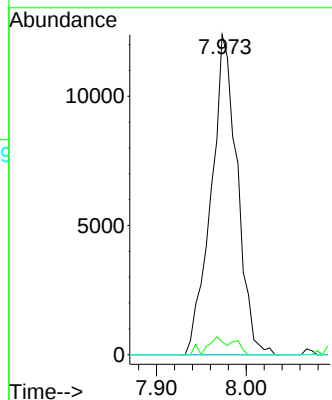
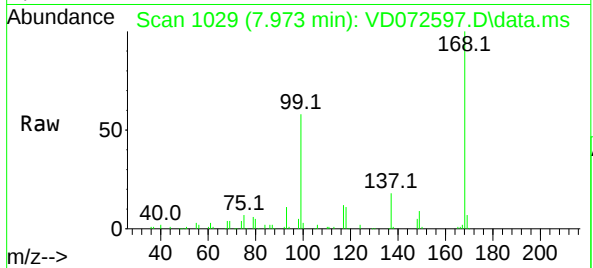




#38
Carbon Tetrachloride
Concen: 5.419 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

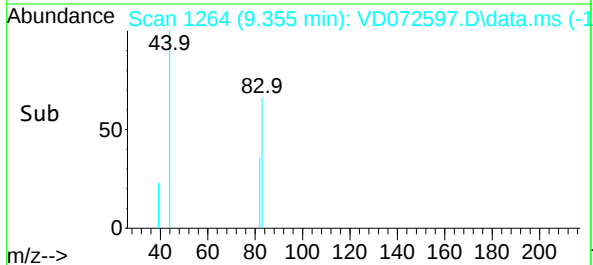
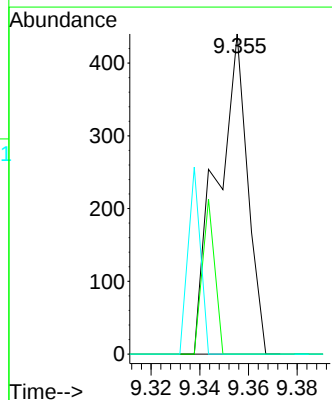
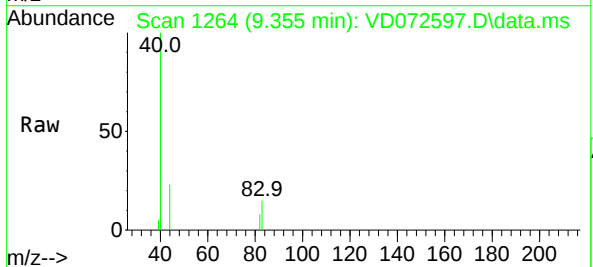
Instrument :
MSVOA_D
ClientSampleId :
PX-3

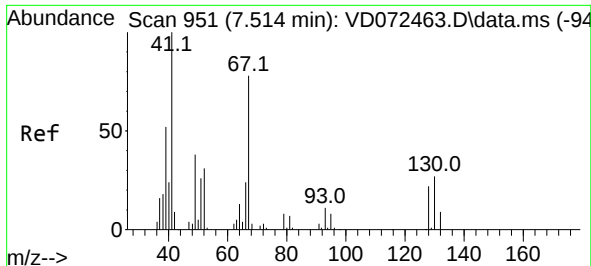
Tgt Ion:117 Resp: 25016
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.949 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

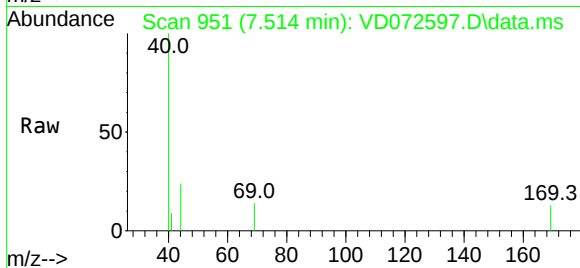
Tgt Ion: 83 Resp: 384
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#



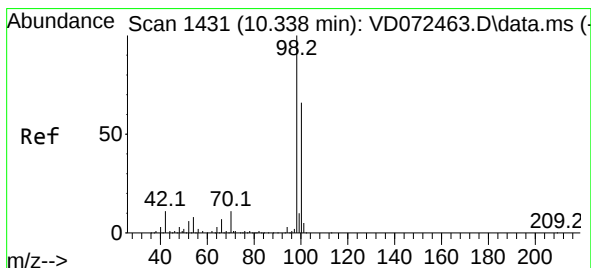
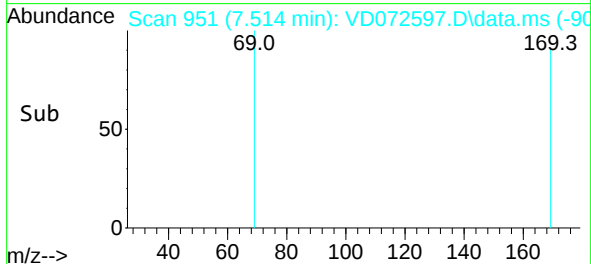
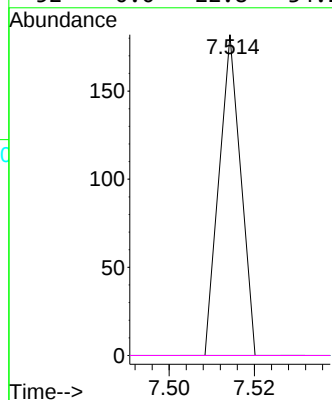


#41
Methacrylonitrile
Concen: 1.718 ug/l
RT: 7.514 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Instrument :
MSVOA_D
ClientSampleId :
PX-3

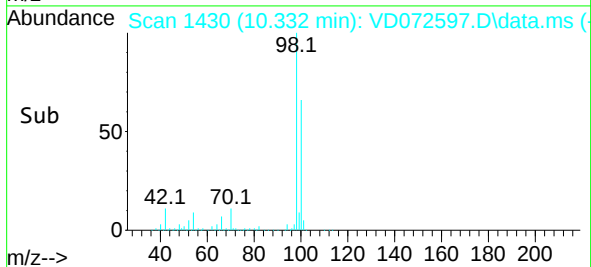
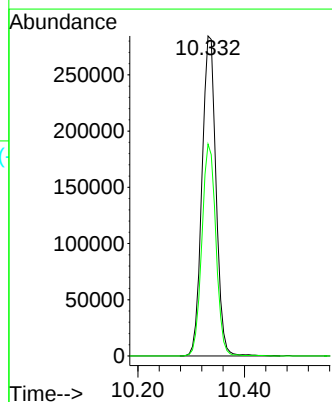
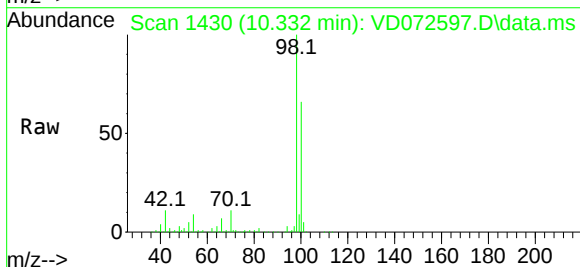


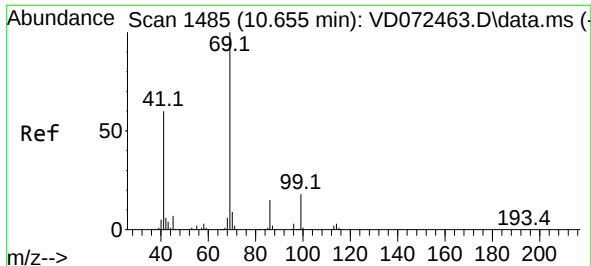
Tgt Ion:	41	Resp:	64
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 44.615 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion:	98	Resp:	519678
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.4	78.6

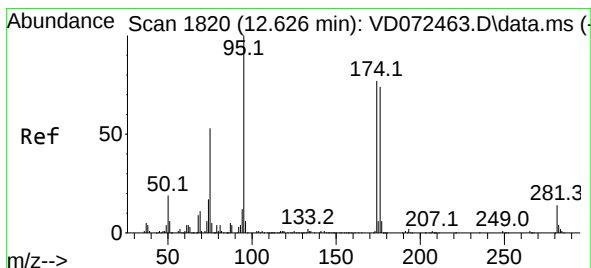
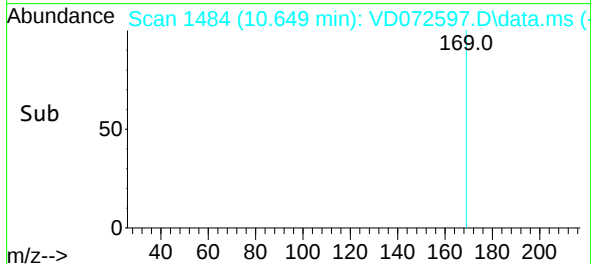
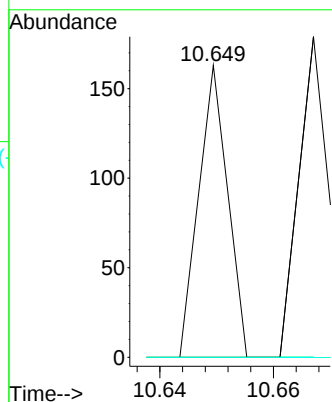
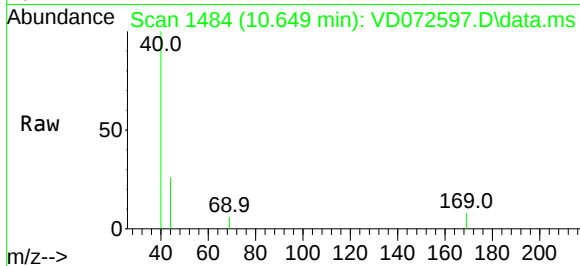




#56
Ethyl methacrylate
Concen: 1.209 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

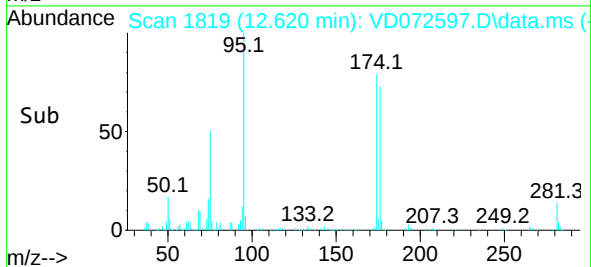
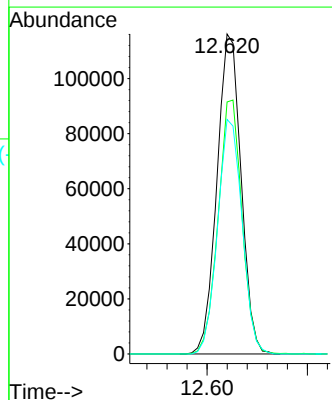
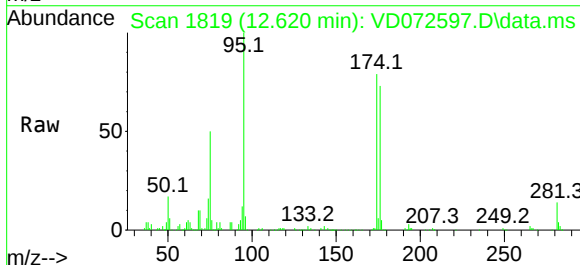
Instrument :
MSVOA_D
ClientSampleId :
PX-3

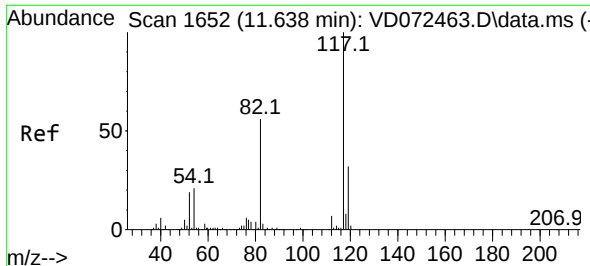
Tgt Ion: 69	Resp: 58
Ion Ratio	Lower Upper
69 100	
41 0.0	63.0 94.6#
39 0.0	33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 42.530 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion: 95	Resp: 193470
Ion Ratio	Lower Upper
95 100	
174 78.6	0.0 152.8
176 74.4	0.0 145.4

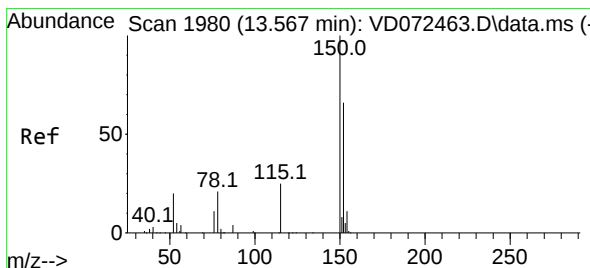
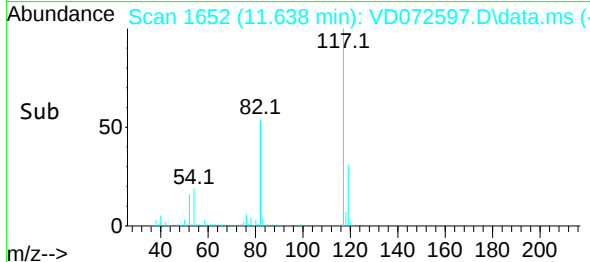
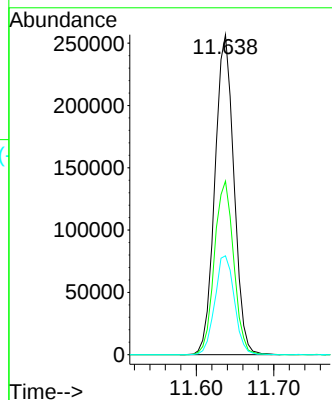
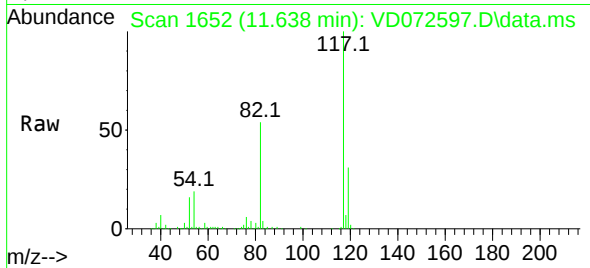




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

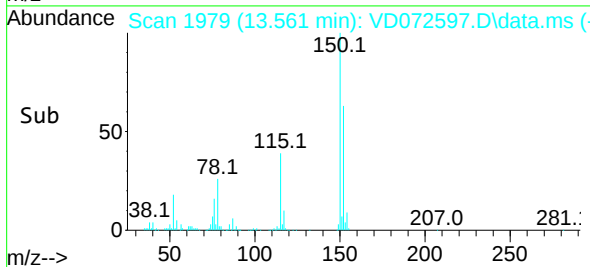
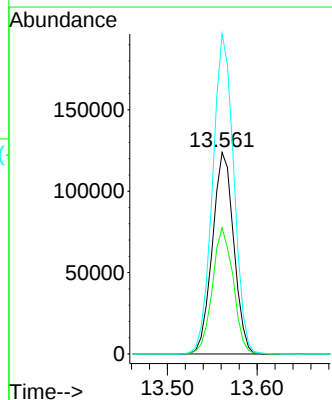
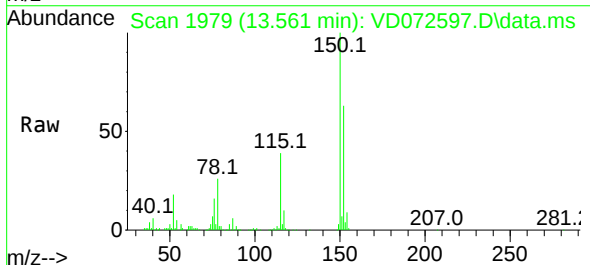
Instrument :
MSVOA_D
ClientSampleId :
PX-3

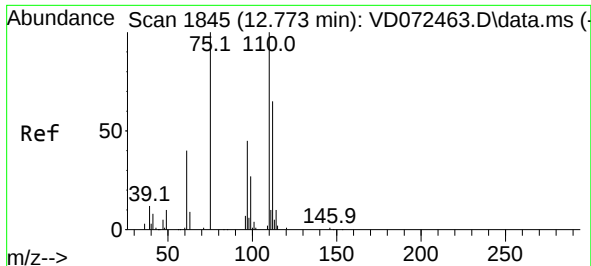
Tgt Ion:117 Resp: 437752
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 30.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion:152 Resp: 204536
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 157.7 0.0 348.6

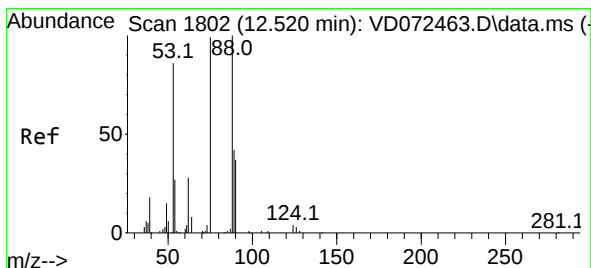
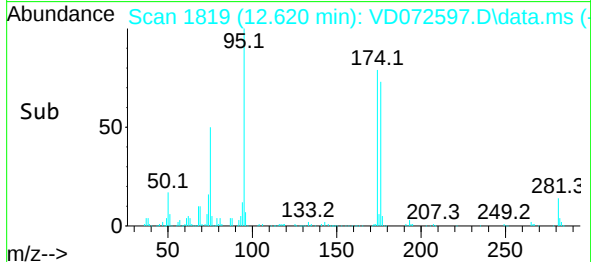
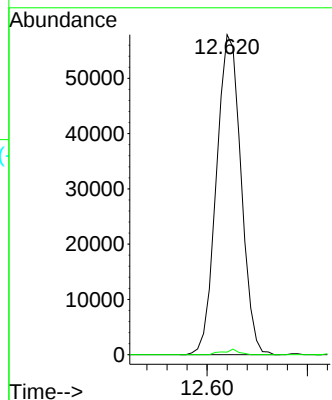
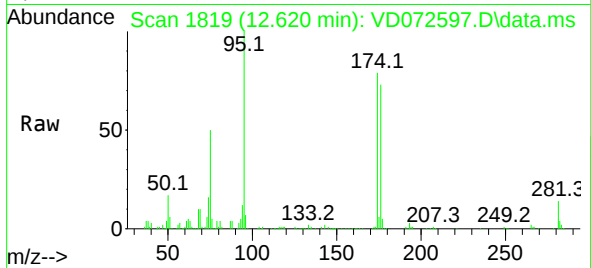




#76
1,2,3-Trichloropropane
Concen: 44.057 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Instrument :
MSVOA_D
ClientSampleId :
PX-3

Tgt Ion: 75 Resp: 98283
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.108 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072597.D
Acq: 18 Apr 2022 15:01

Tgt Ion: 75 Resp: 98283
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#

