

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072667.D
 Acq On : 21 Apr 2022 13:28
 Operator : VA/SY
 Sample : N2467-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KR-1

Quant Time: Apr 21 14:54:29 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)

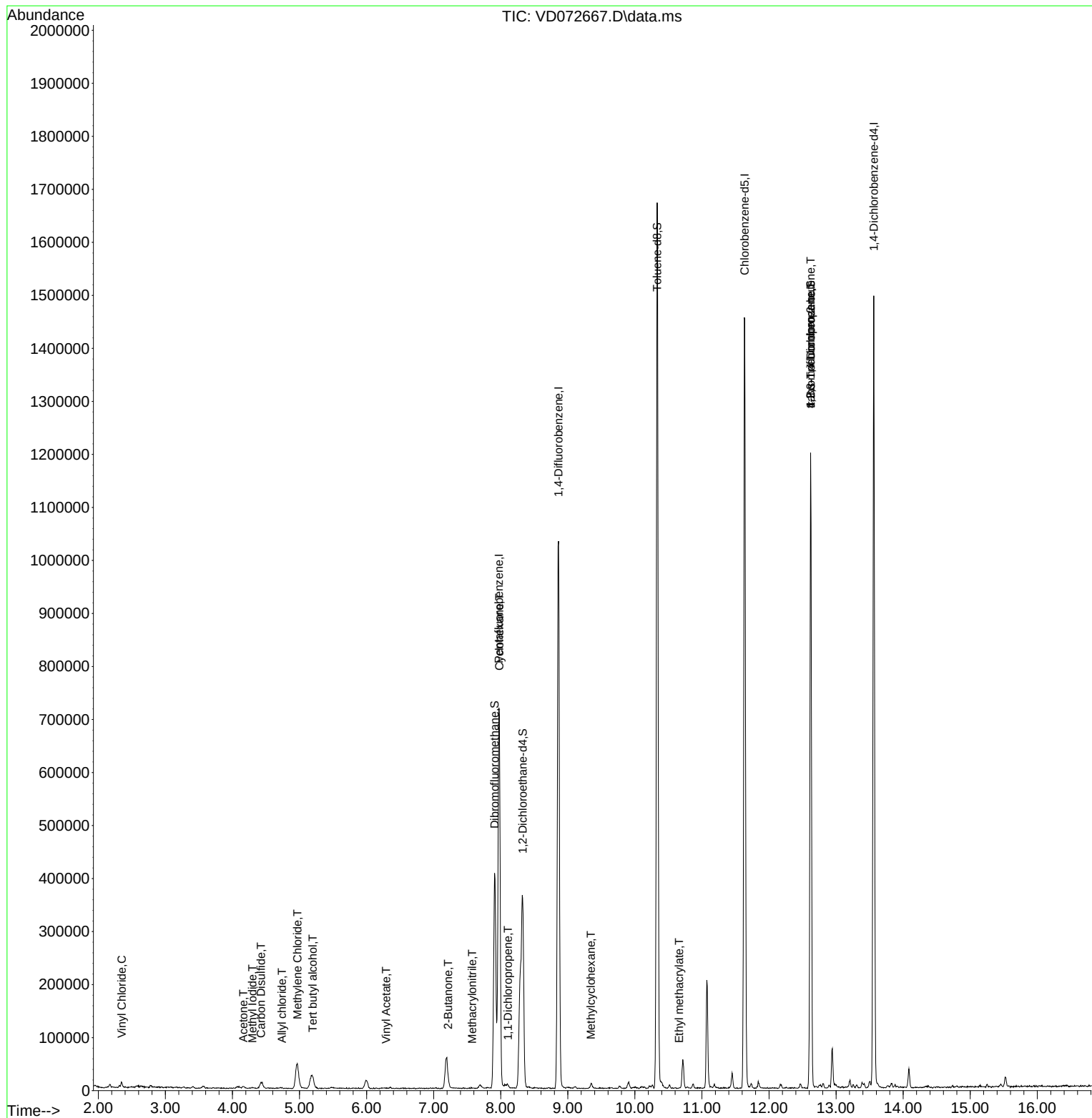
Internal Standards						
1) Pentafluorobenzene	7.973	168	530513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	934121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	874321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	380912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	282067	43.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.900%
35) Dibromofluoromethane	7.908	113	296325	40.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.640%
50) Toluene-d8	10.332	98	1120640	44.410	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.820%
62) 4-Bromofluorobenzene	12.620	95	383063	38.870	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.740%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.350	62	1077	1.186	ug/l #	85
10) Methyl Iodide	4.297	142	1933	4.046	ug/l #	86
11) Tert butyl alcohol	5.197	59	23215	68.500	ug/l #	74
14) Allyl chloride	4.738	41	193	1.149	ug/l #	1
16) Acetone	4.162	43	6637	5.546	ug/l #	86
17) Carbon Disulfide	4.426	76	5031	4.078	ug/l #	74
20) Methylene Chloride	4.967	84	38244	5.368	ug/l #	83
23) Vinyl Acetate	6.291	43	174	6.305	ug/l #	75
25) 2-Butanone	7.214	43	3960	2.393	ug/l #	52
31) Cyclohexane	7.979	56	13565	1.617	ug/l #	1
36) 1,1-Dichloropropene	8.108	75	2562	1.394	ug/l #	74
39) Methylcyclohexane	9.344	83	3030	3.141	ug/l #	87
41) Methacrylonitrile	7.573	41	275	1.776	ug/l #	27
56) Ethyl methacrylate	10.661	69	455	1.255	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	192546	46.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	192546	113.726	ug/l #	7

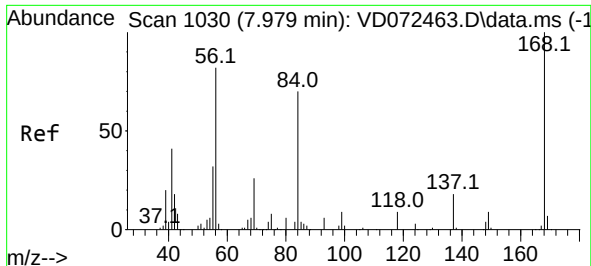
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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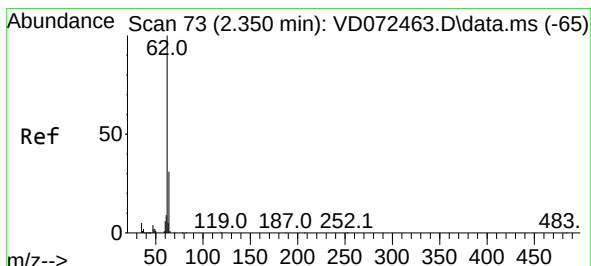
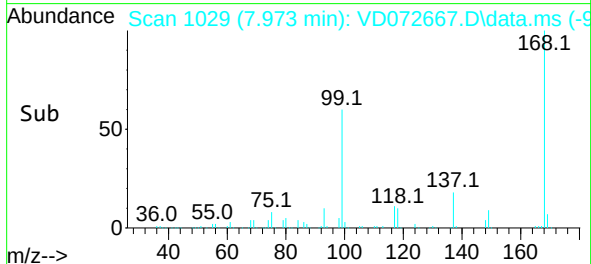
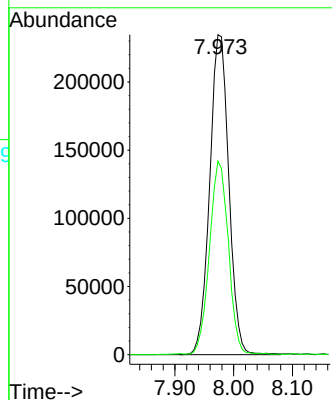
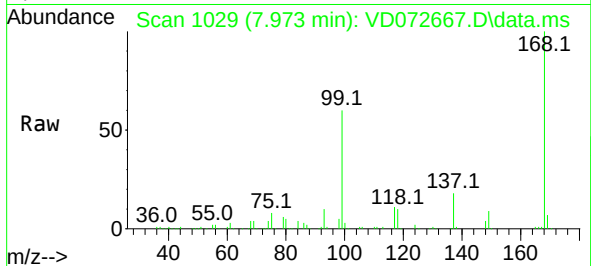




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

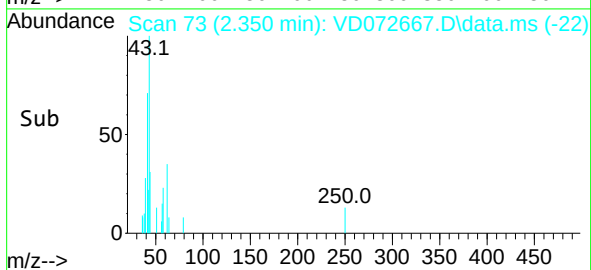
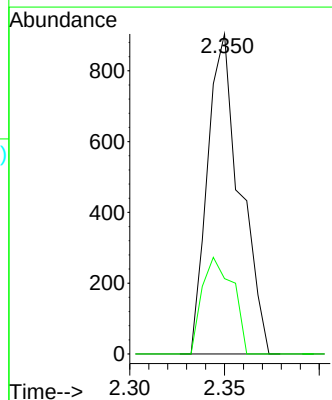
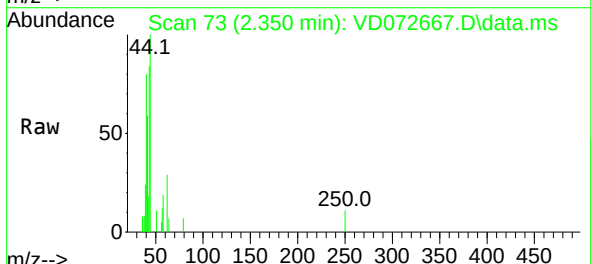
Instrument :
MSVOA_D
ClientSampleId :
KR-1

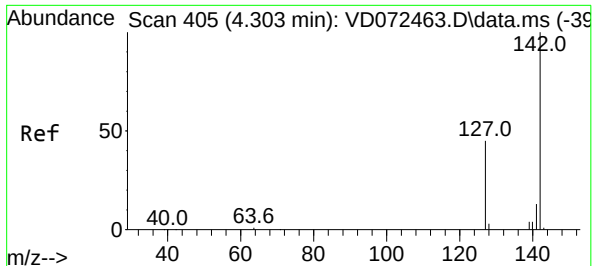
Tgt Ion:168 Resp: 530513
Ion Ratio Lower Upper
168 100
99 60.2 49.8 74.6



#4
Vinyl Chloride
Concen: 1.186 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion: 62 Resp: 1077
Ion Ratio Lower Upper
62 100
64 23.6 25.4 38.0#

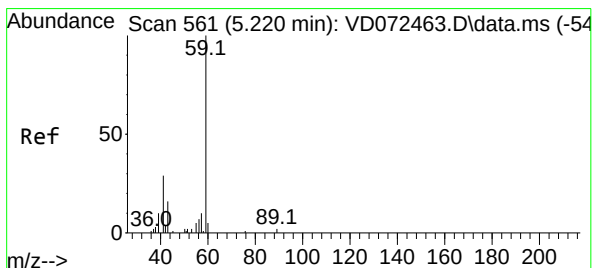
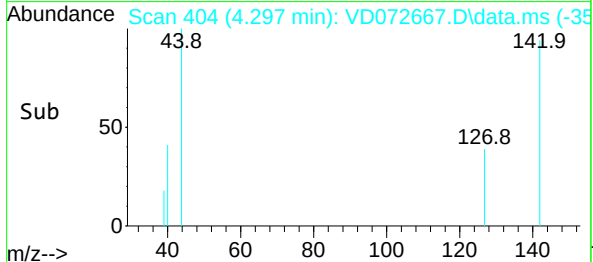
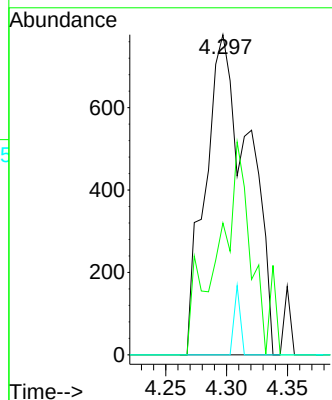
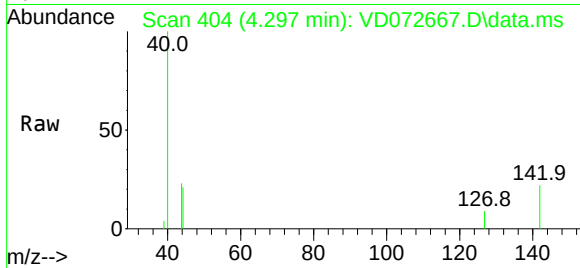




#10
Methyl Iodide
Concen: 4.046 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

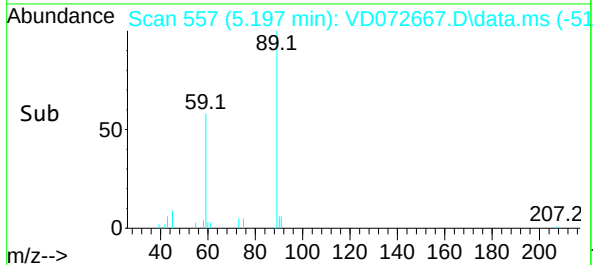
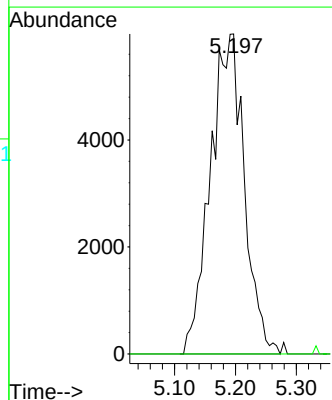
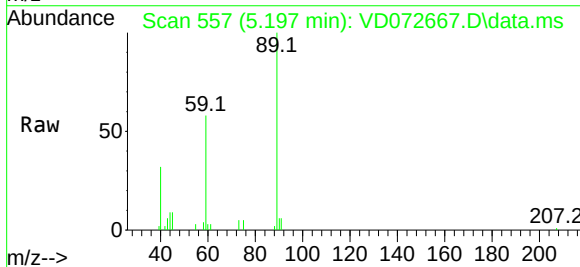
Instrument :
MSVOA_D
ClientSampleId :
KR-1

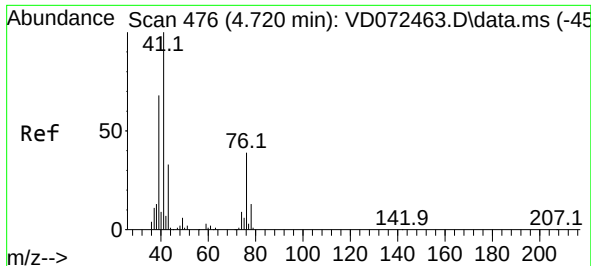
Tgt Ion:142 Resp: 1933
Ion Ratio Lower Upper
142 100
127 52.8 37.3 55.9
141 3.1 11.7 17.5#



#11
Tert butyl alcohol
Concen: 68.500 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion: 59 Resp: 23215
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

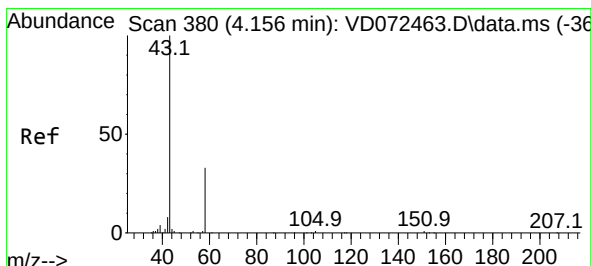
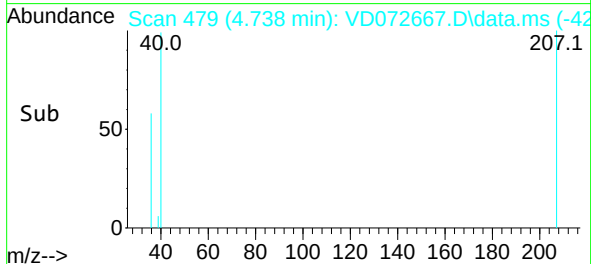
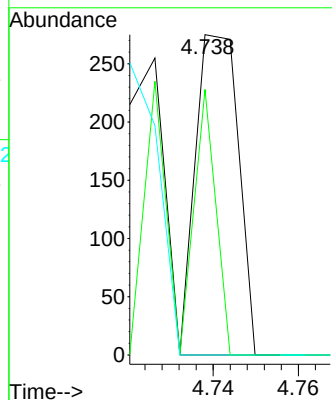
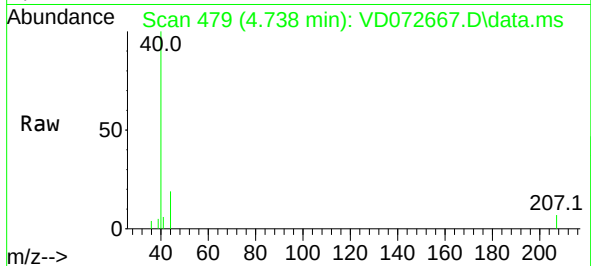




#14
 Allyl chloride
 Concen: 1.149 ug/l
 RT: 4.738 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: VD072667.D
 Acq: 21 Apr 2022 13:28

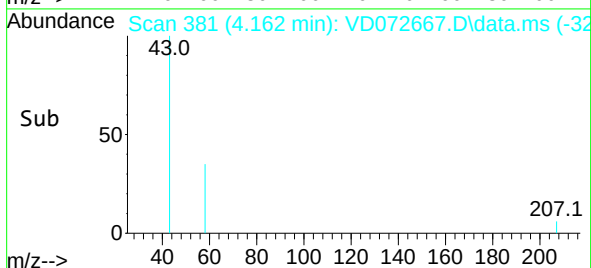
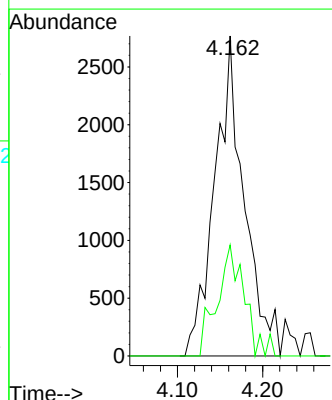
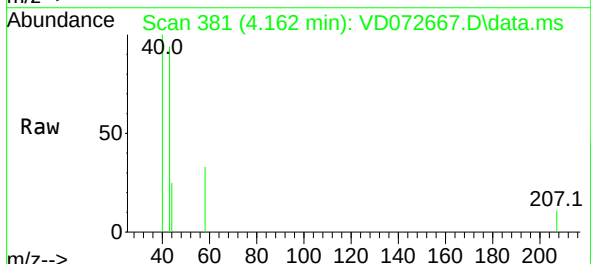
Instrument :
 MSVOA_D
 ClientSampleId :
 KR-1

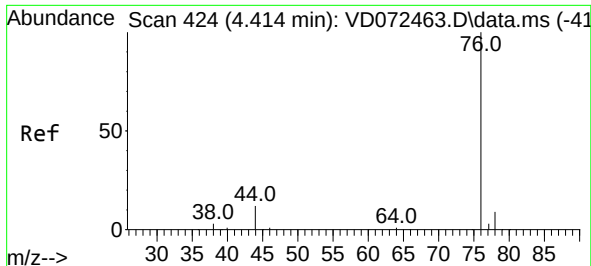
Tgt Ion: 41 Resp: 193
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 216.1 25.7 38.5#



#16
 Acetone
 Concen: 5.546 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072667.D
 Acq: 21 Apr 2022 13:28

Tgt Ion: 43 Resp: 6637
 Ion Ratio Lower Upper
 43 100
 58 34.7 22.1 33.1#

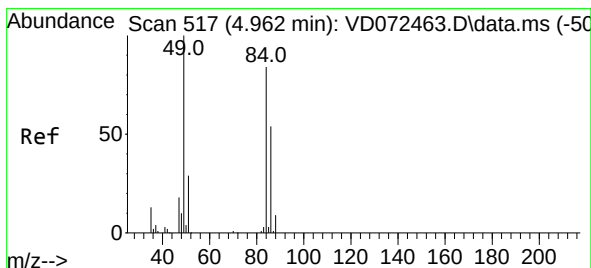
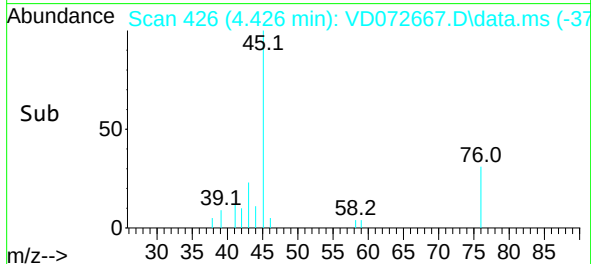
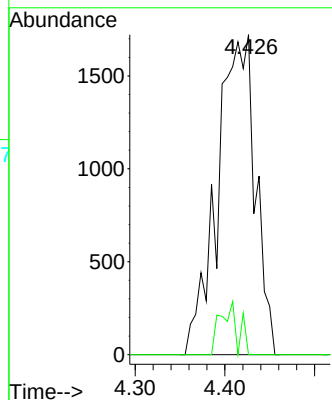
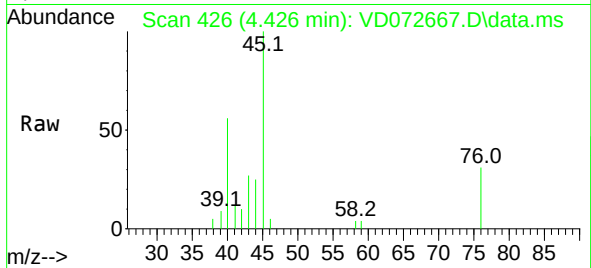




#17
Carbon Disulfide
Concen: 4.078 ug/l
RT: 4.426 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

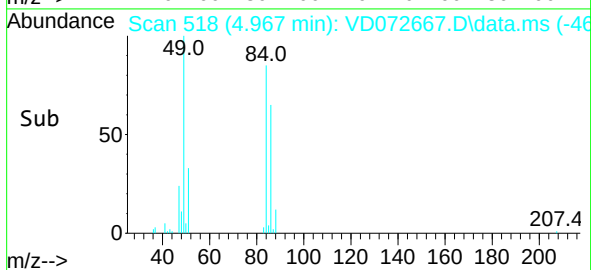
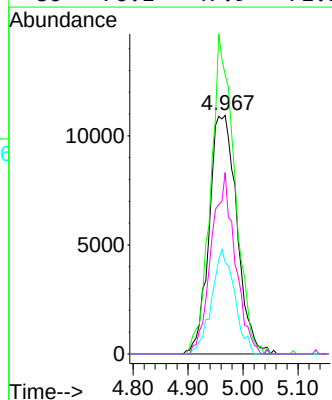
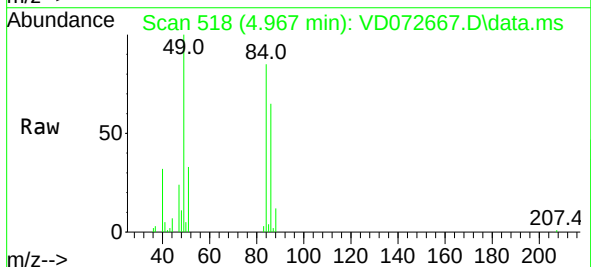
Instrument :
MSVOA_D
ClientSampleId :
KR-1

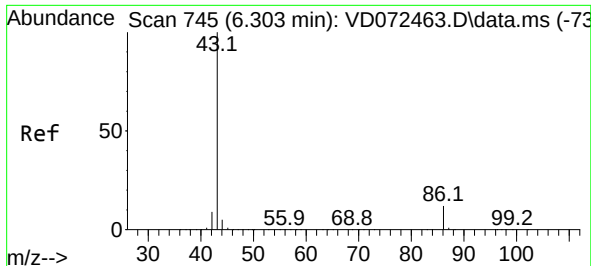
Tgt Ion: 76 Resp: 5031
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 5.368 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion: 84 Resp: 38244
Ion Ratio Lower Upper
84 100
49 117.0 112.8 169.2
51 38.3 32.6 48.8
86 76.1 47.9 71.9#

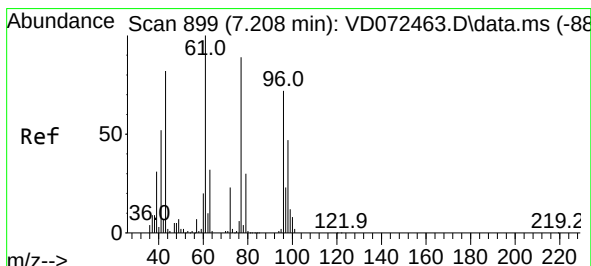
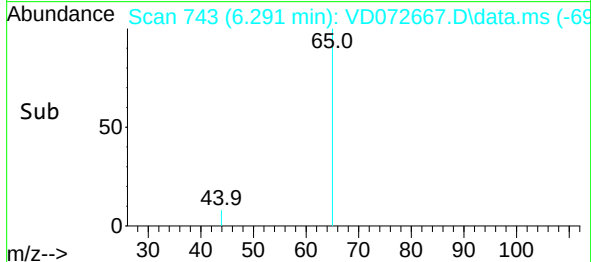
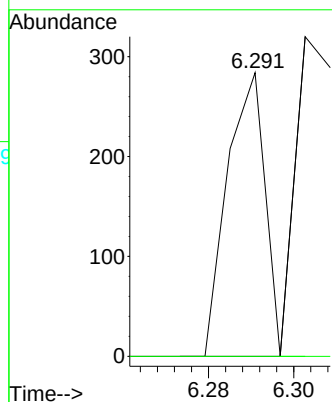
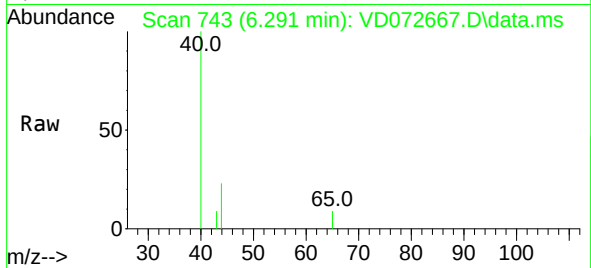




#23
 Vinyl Acetate
 Concen: 6.305 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.012 min
 Lab File: VD072667.D
 Acq: 21 Apr 2022 13:28

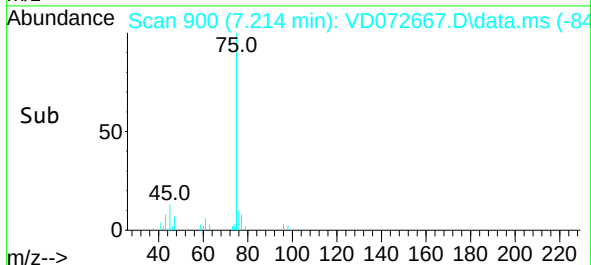
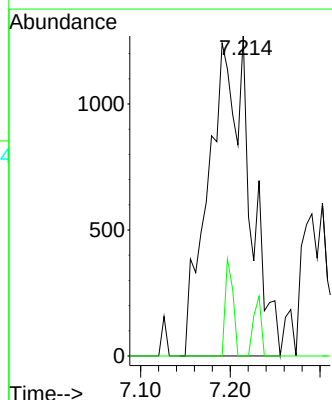
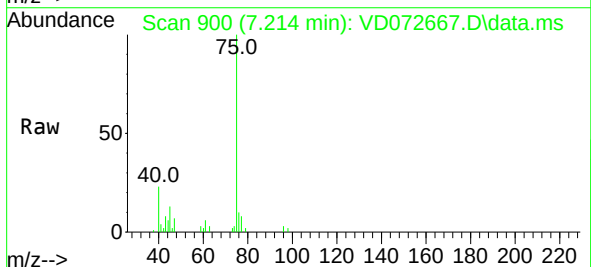
Instrument :
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 ClientSampleId :
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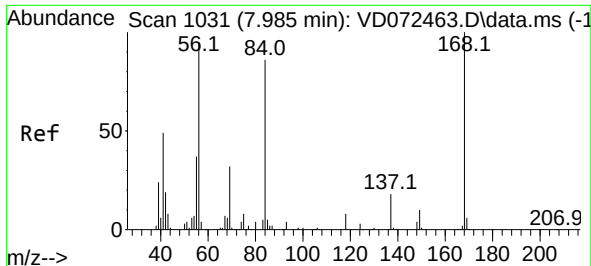
Tgt Ion: 43 Resp: 174
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 2.393 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.006 min
 Lab File: VD072667.D
 Acq: 21 Apr 2022 13:28

Tgt Ion: 43 Resp: 3960
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.617 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072667.D

Acq: 21 Apr 2022 13:28

Instrument :

MSVOA_D

ClientSampleId :

KR-1

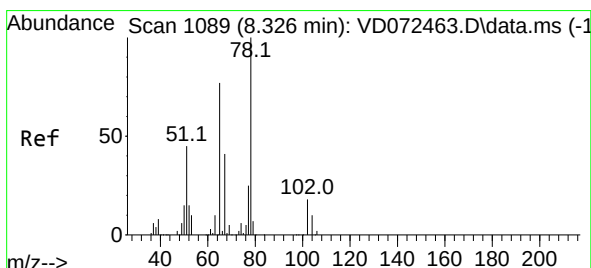
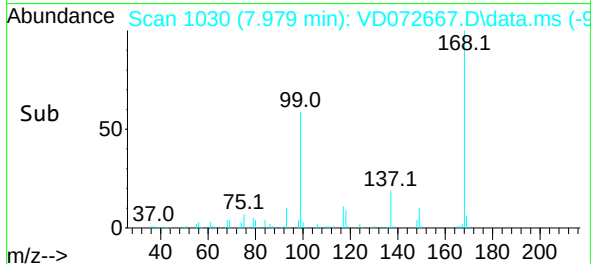
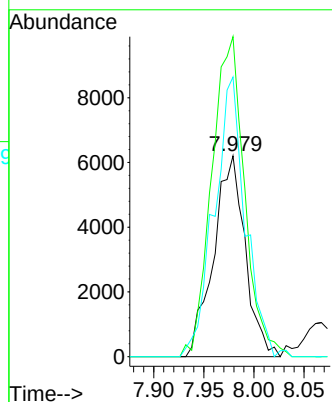
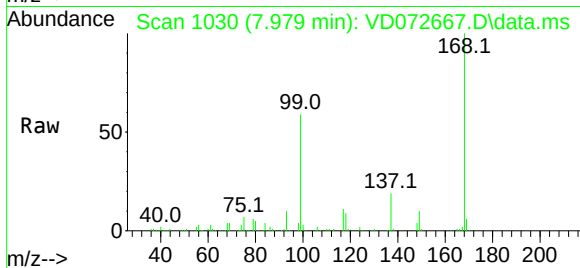
Tgt Ion: 56 Resp: 13565

Ion Ratio Lower Upper

56 100

69 159.4 25.4 38.2#

84 139.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 43.952 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072667.D

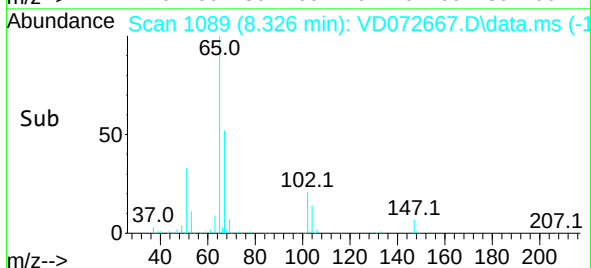
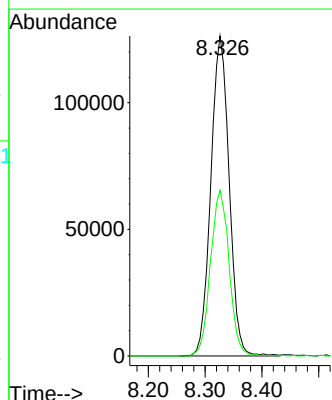
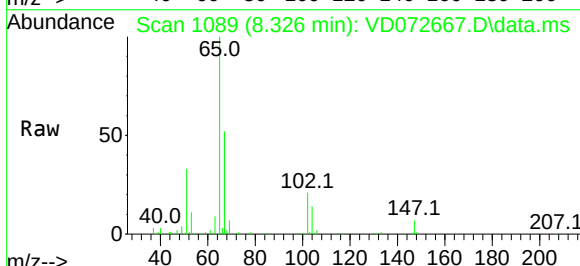
Acq: 21 Apr 2022 13:28

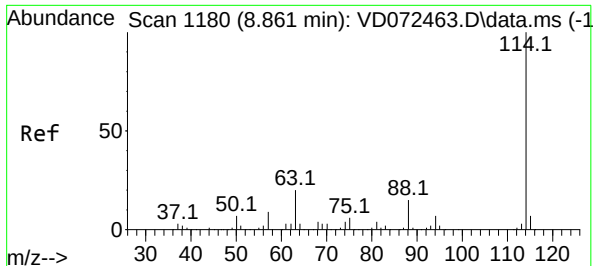
Tgt Ion: 65 Resp: 282067

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: VD072667.D

Acq: 21 Apr 2022 13:28

Instrument :

MSVOA_D

ClientSampleId :

KR-1

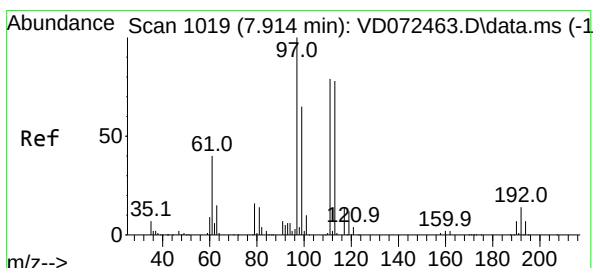
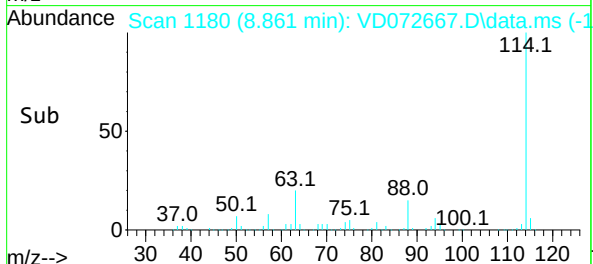
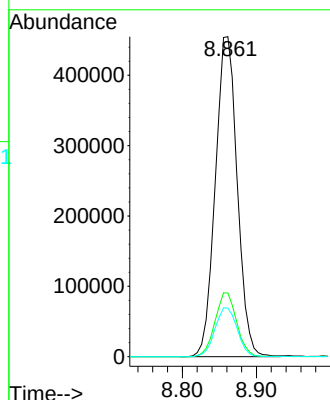
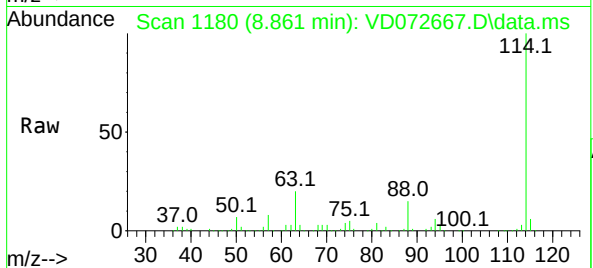
Tgt Ion:114 Resp: 934121

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.819 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072667.D

Acq: 21 Apr 2022 13:28

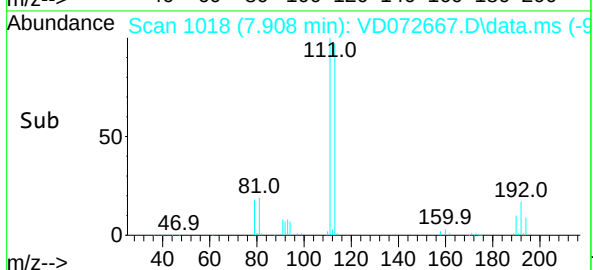
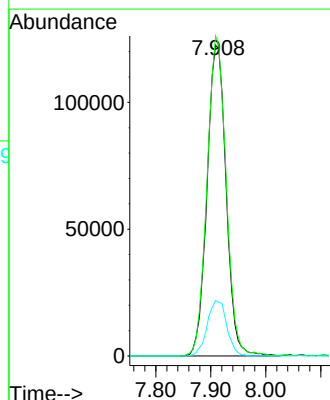
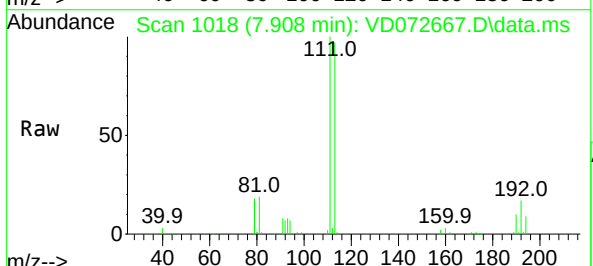
Tgt Ion:113 Resp: 296325

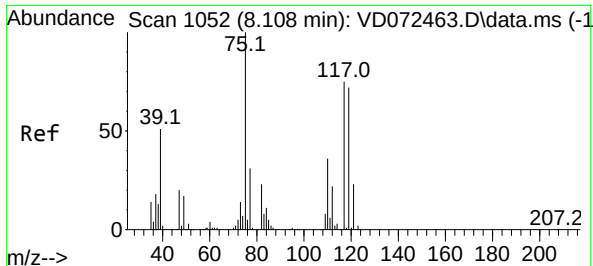
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.394 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VD072667.D

Acq: 21 Apr 2022 13:28

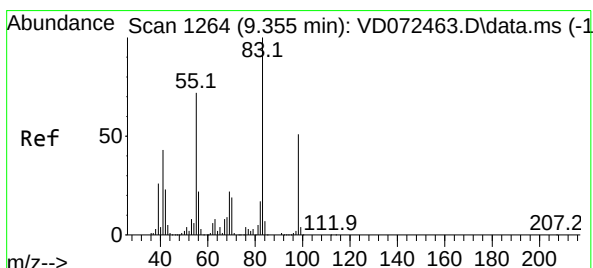
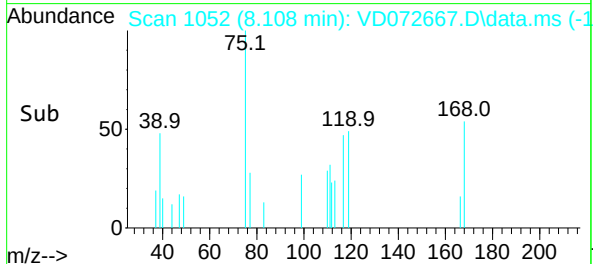
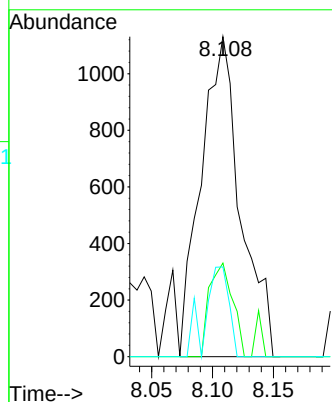
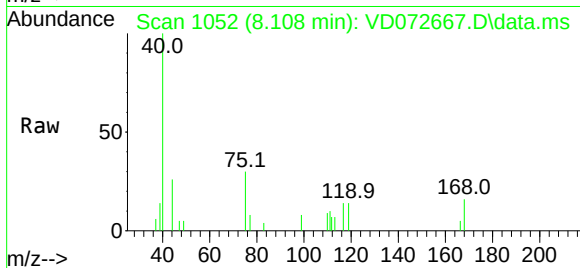
Instrument :

MSVOA_D

ClientSampleId :

KR-1

Tgt Ion:	75	Resp:	2562
Ion	Ratio	Lower	Upper
75	100		
110	17.2	16.4	49.1
77	16.7	24.2	36.2



#39

Methylcyclohexane

Concen: 3.141 ug/l

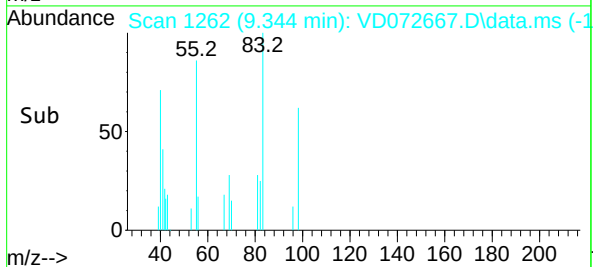
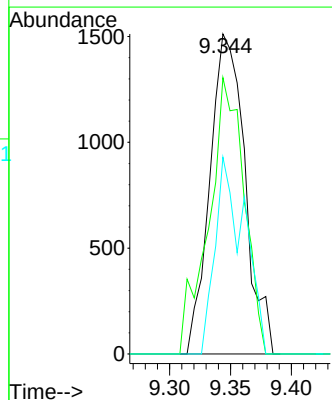
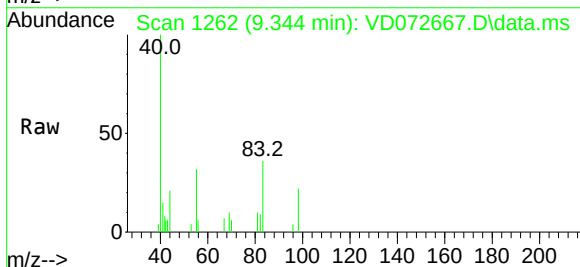
RT: 9.344 min Scan# 1262

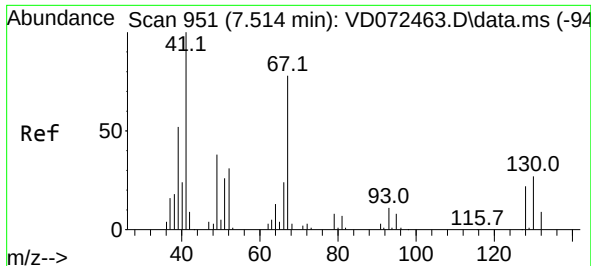
Delta R.T. -0.011 min

Lab File: VD072667.D

Acq: 21 Apr 2022 13:28

Tgt Ion:	83	Resp:	3030
Ion	Ratio	Lower	Upper
83	100		
55	86.4	63.2	94.8
98	61.5	38.2	57.4

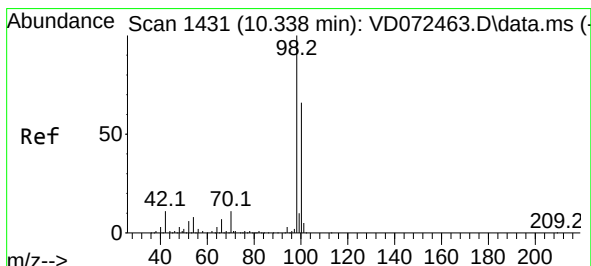
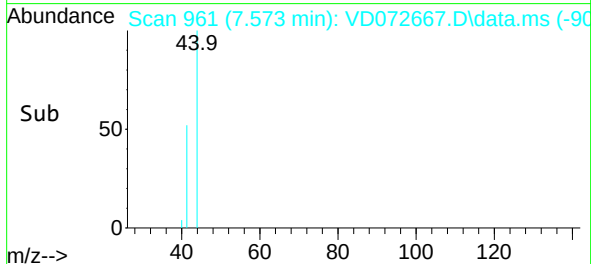
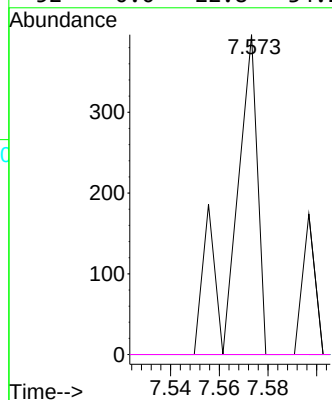
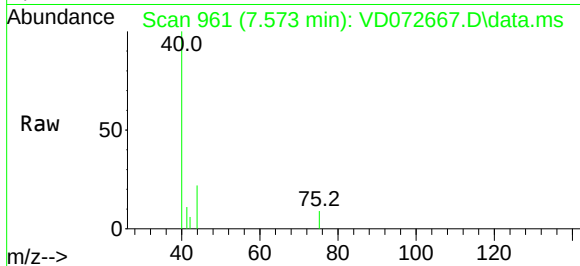




#41
Methacrylonitrile
Concen: 1.776 ug/l
RT: 7.573 min Scan# 90
Delta R.T. 0.059 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

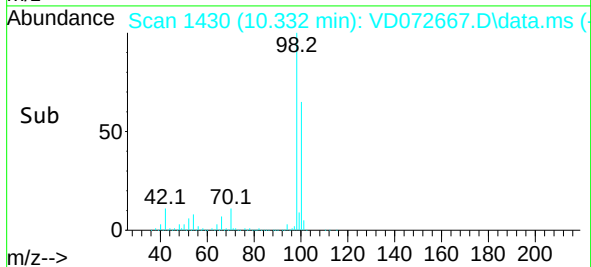
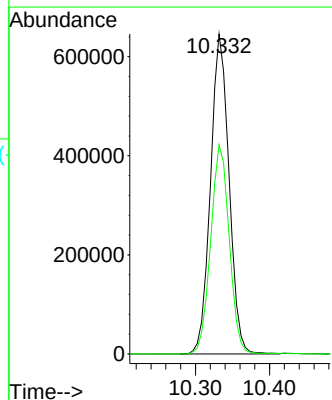
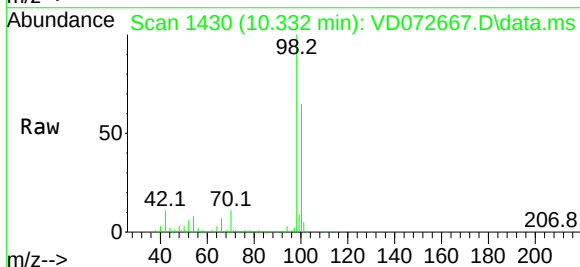
Instrument :
MSVOA_D
ClientSampleId :
KR-1

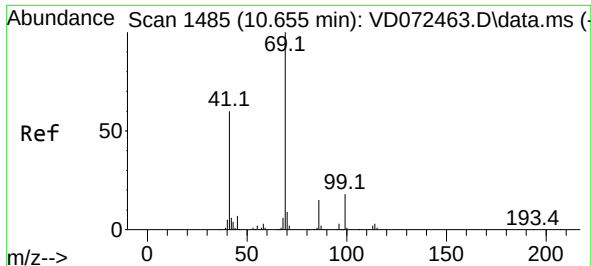
Tgt Ion: 41 Resp: 275
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#



#50
Toluene-d8
Concen: 44.410 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion: 98 Resp: 1120640
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

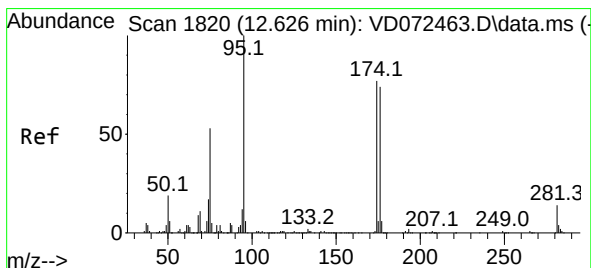
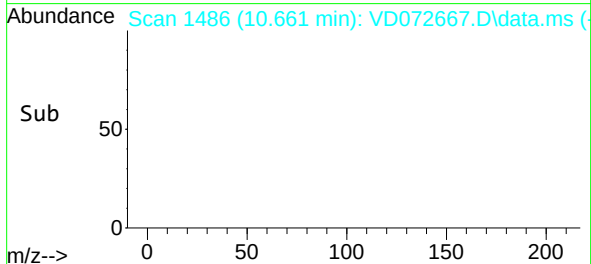
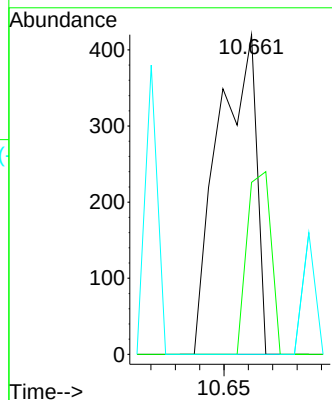
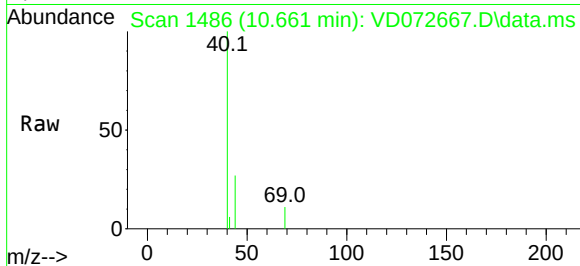




#56
Ethyl methacrylate
Concen: 1.255 ug/l
RT: 10.661 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

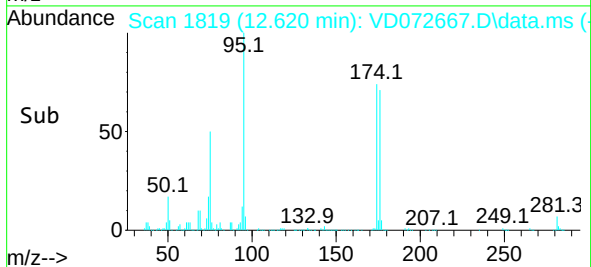
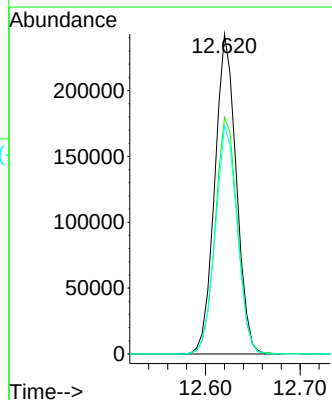
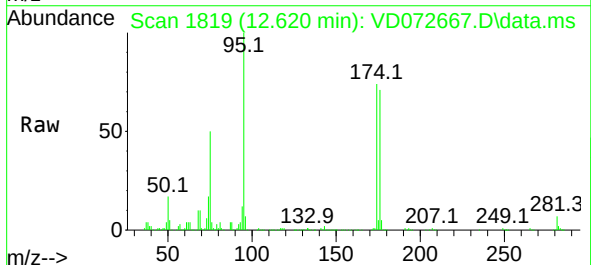
Instrument :
MSVOA_D
ClientSampleId :
KR-1

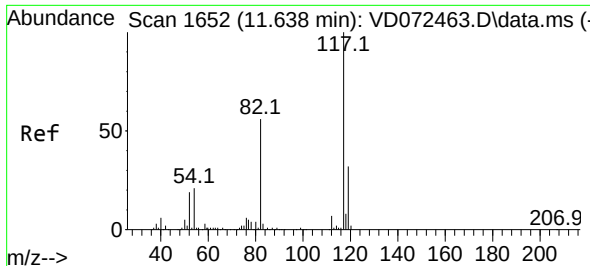
Tgt Ion: 69 Resp: 455
Ion Ratio Lower Upper
69 100
41 36.0 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 38.870 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion: 95 Resp: 383063
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 72.7 0.0 145.4

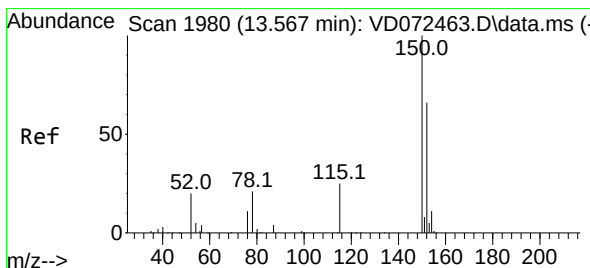
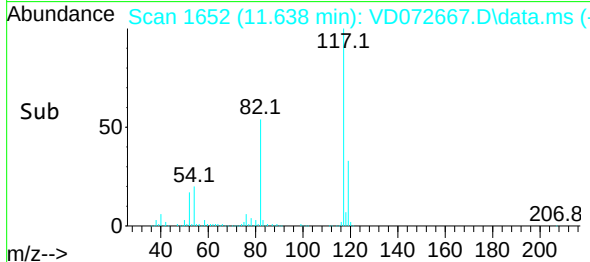
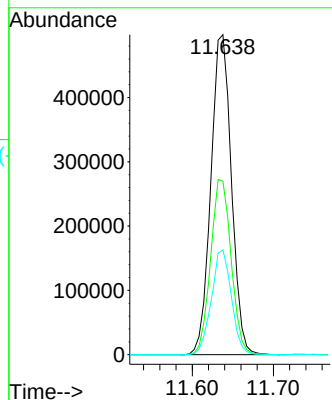
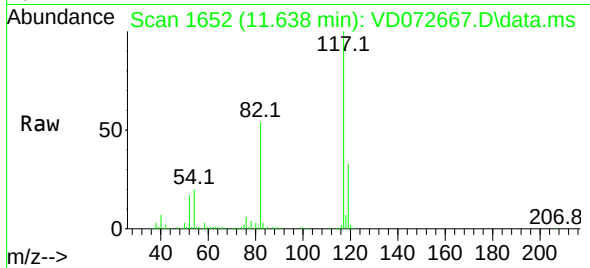




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

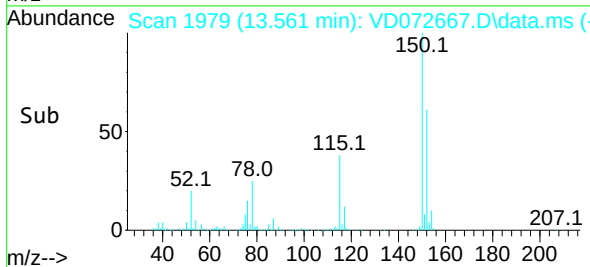
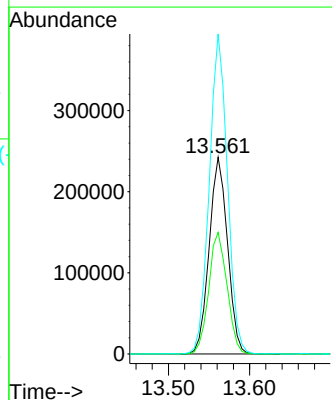
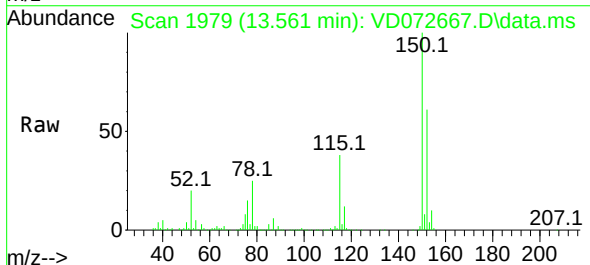
Instrument :
MSVOA_D
ClientSampleId :
KR-1

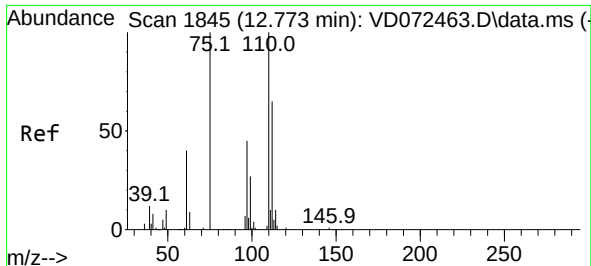
Tgt Ion:117 Resp: 874321
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 32.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion:152 Resp: 380912
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 160.2 0.0 348.6

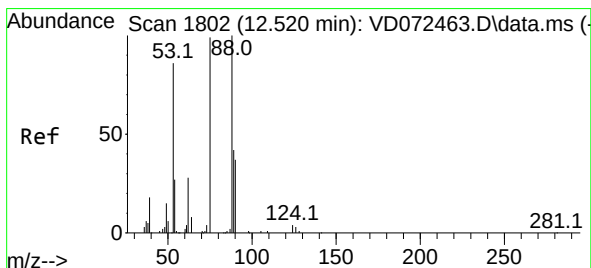
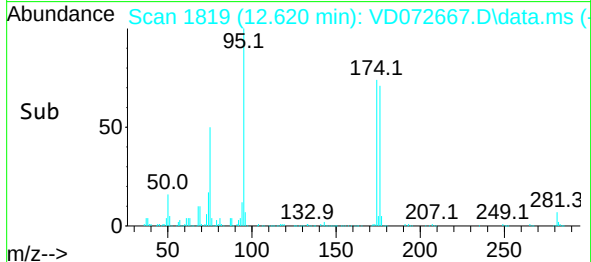
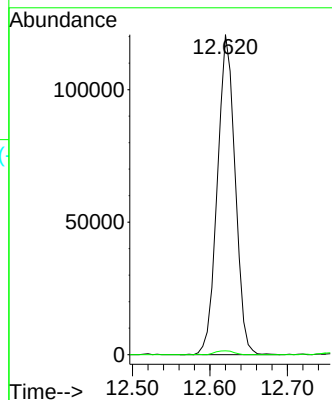
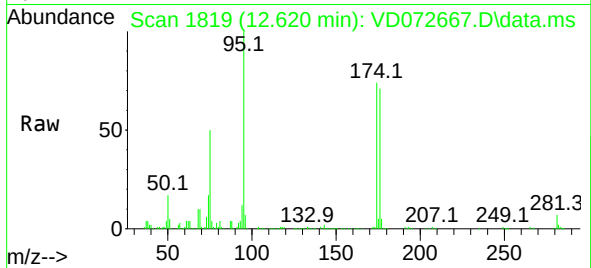




#76
1,2,3-Trichloropropane
Concen: 46.347 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Instrument :
MSVOA_D
ClientSampleId :
KR-1

Tgt Ion: 75 Resp: 192546
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.726 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072667.D
Acq: 21 Apr 2022 13:28

Tgt Ion: 75 Resp: 192546
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#

