

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072645.D
 Acq On : 20 Apr 2022 14:14
 Operator : VA/SY
 Sample : N2445-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 282

Quant Time: Apr 21 01:50:14 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)

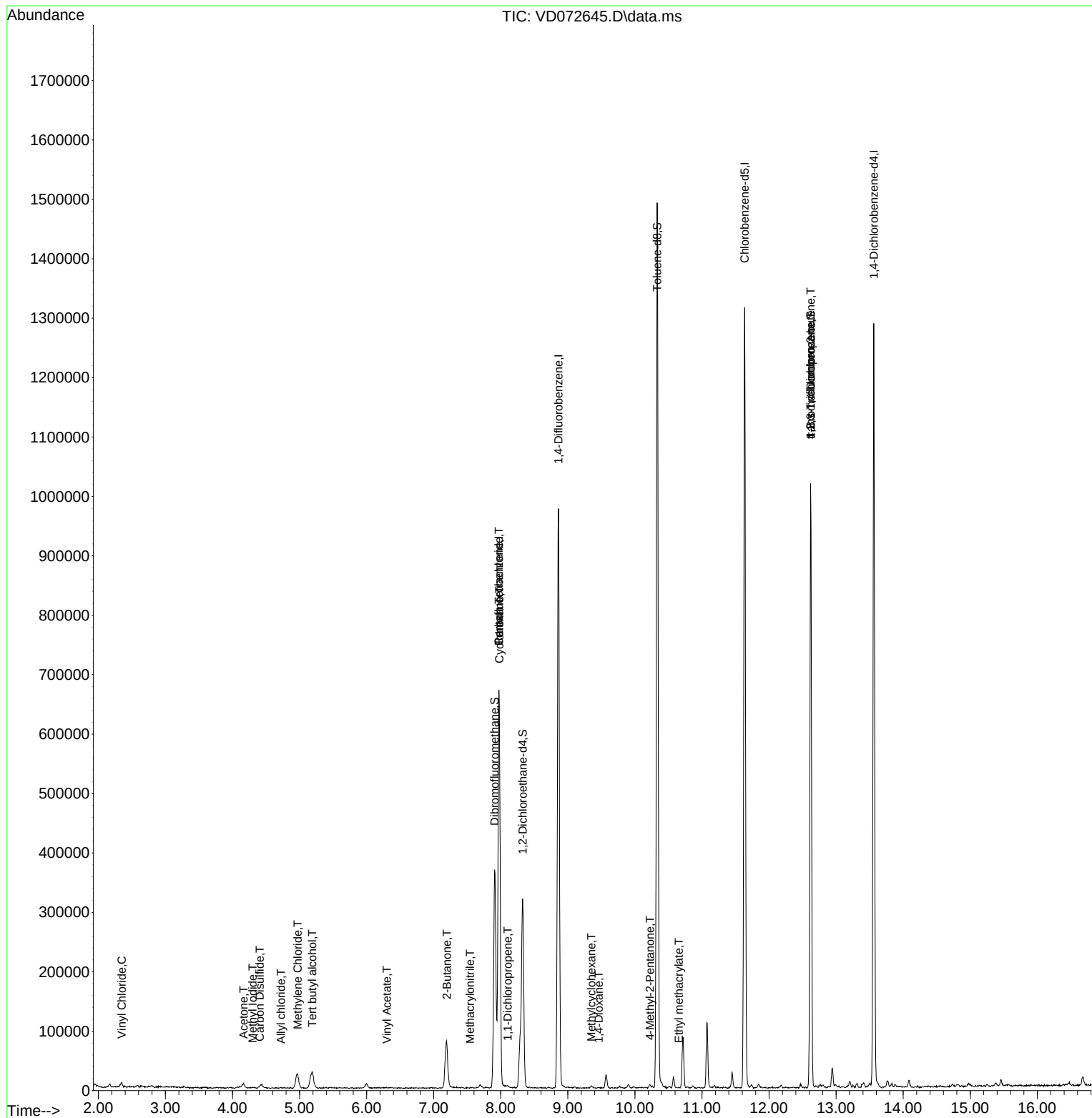
Internal Standards						
1) Pentafluorobenzene	7.973	168	488741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	864313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	785982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	334418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	254394	43.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.060%		
35) Dibromofluoromethane	7.908	113	271022	40.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.700%		
50) Toluene-d8	10.332	98	1022582	43.797	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.600%		
62) 4-Bromofluorobenzene	12.620	95	329303	36.113	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.220%		
Target Compounds					Qvalue	
4) Vinyl Chloride	2.350	62	541	1.079	ug/l #	43
10) Methyl Iodide	4.303	142	1698	4.031	ug/l #	66
11) Tert butyl alcohol	5.191	59	25541	81.804	ug/l #	75
14) Allyl chloride	4.726	41	517	1.192	ug/l #	67
16) Acetone	4.167	43	13569	12.308	ug/l	96
17) Carbon Disulfide	4.409	76	3575	3.975	ug/l #	74
20) Methylene Chloride	4.973	84	20016	3.050	ug/l #	65
23) Vinyl Acetate	6.303	43	322	6.322	ug/l #	75
25) 2-Butanone	7.197	43	4403	2.888	ug/l #	78
31) Cyclohexane	7.979	56	11521	1.490	ug/l #	1
36) 1,1-Dichloropropene	8.102	75	1530	1.298	ug/l #	58
38) Carbon Tetrachloride	7.973	117	51396	5.554	ug/l #	18
39) Methylcyclohexane	9.350	83	1854	3.051	ug/l #	79
41) Methacrylonitrile	7.544	41	64	1.688	ug/l #	1
49) 1,4-Dioxane	9.461	88	167	4.101	ug/l #	21
51) 4-Methyl-2-Pentanone	10.226	43	4897	1.337	ug/l	98
56) Ethyl methacrylate	10.655	69	73	1.202	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	170711	46.804	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	170711	114.848	ug/l #	7

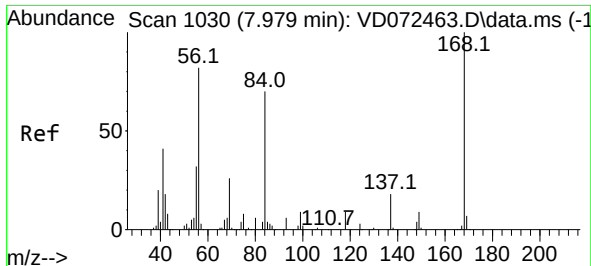
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

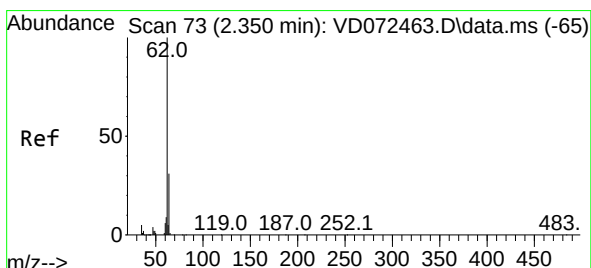
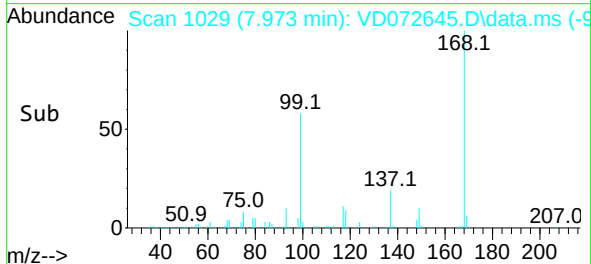
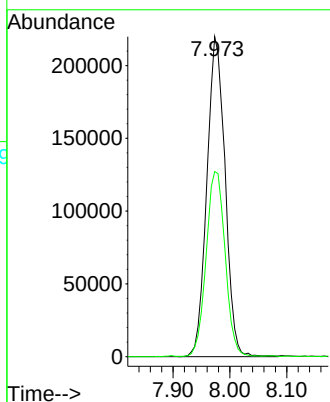
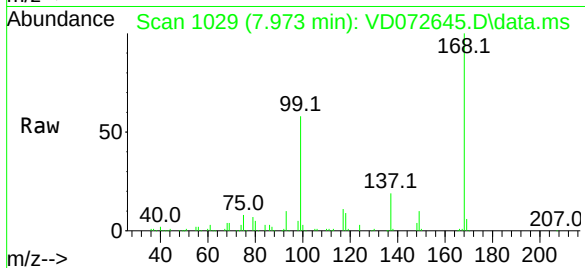




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

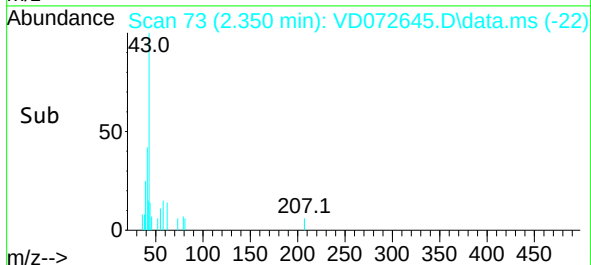
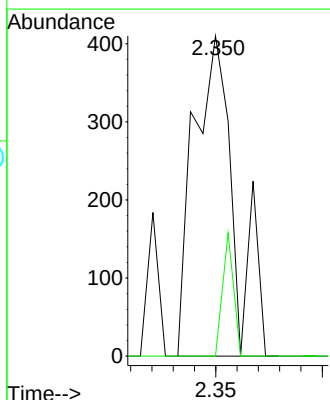
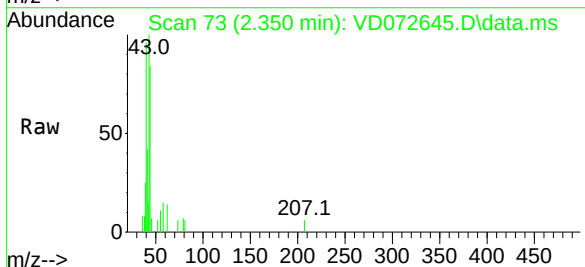
Instrument :
MSVOA_D
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282

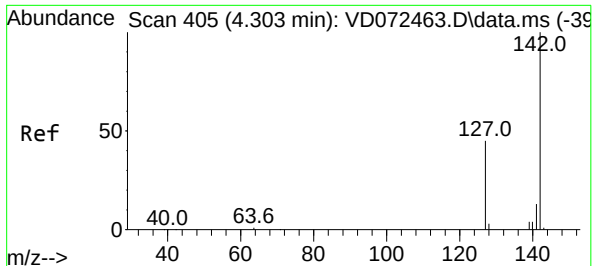
Tgt Ion:168 Resp: 488741
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#4
Vinyl Chloride
Concen: 1.079 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

Tgt Ion: 62 Resp: 541
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

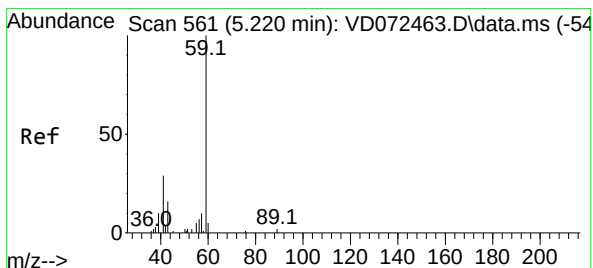
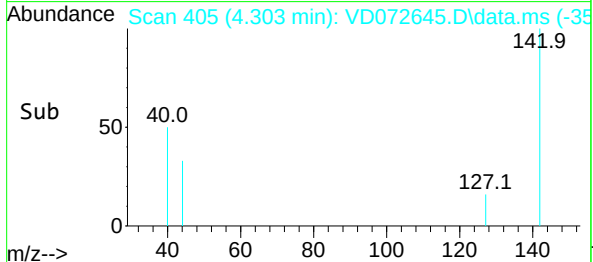
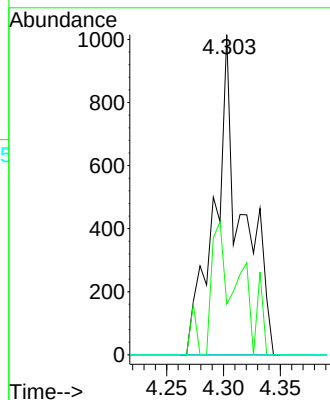
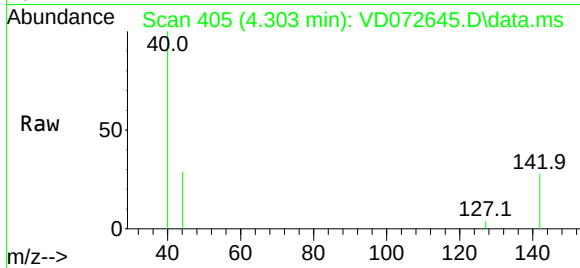




#10
Methyl Iodide
Concen: 4.031 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

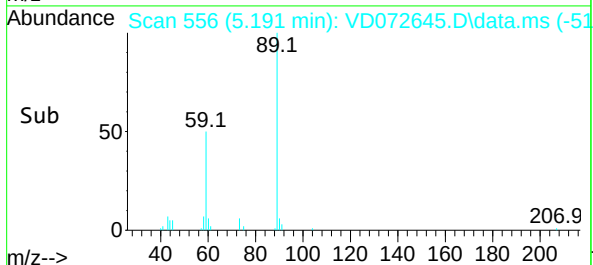
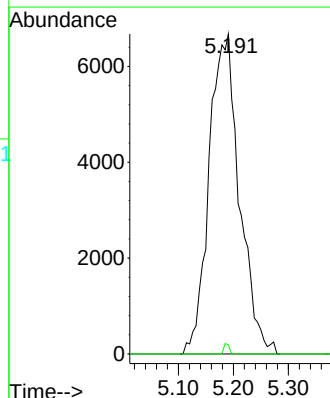
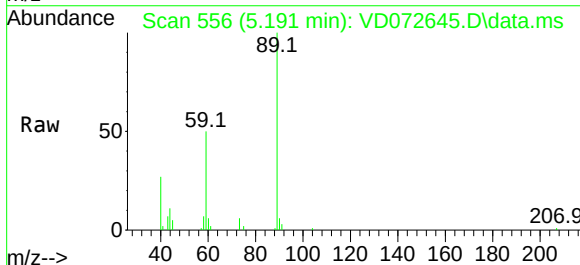
Instrument :
MSVOA_D
ClientSampleId :
282

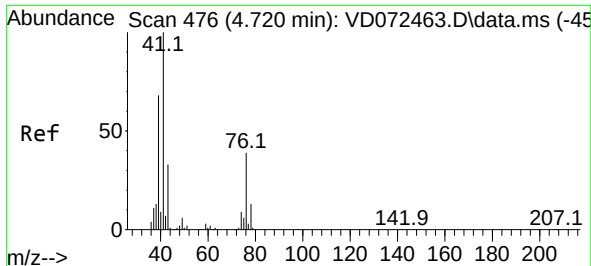
Tgt Ion:142 Resp: 1698
Ion Ratio Lower Upper
142 100
127 24.0 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 81.804 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

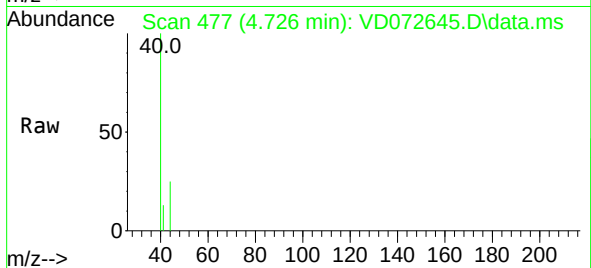
Tgt Ion: 59 Resp: 25541
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



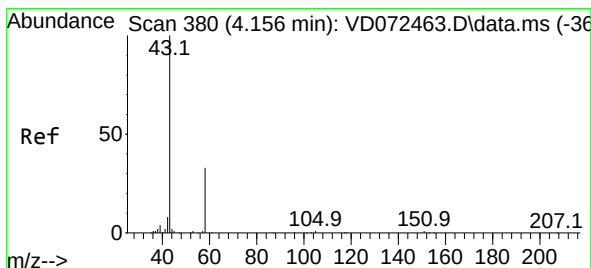
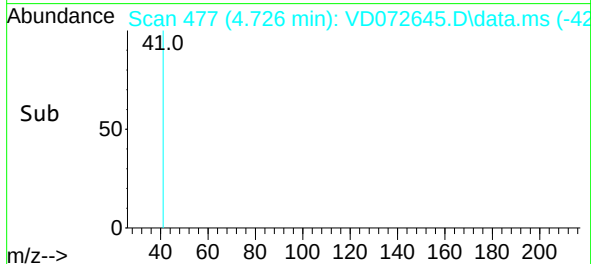
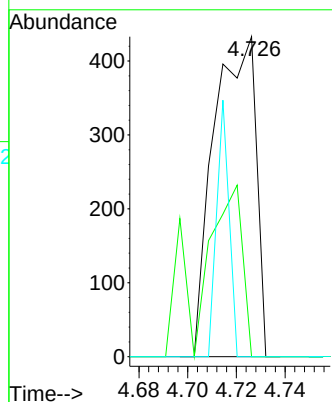


#14
 Allyl chloride
 Concen: 1.192 ug/l
 RT: 4.726 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 282

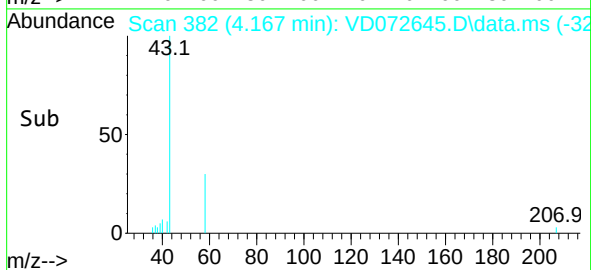
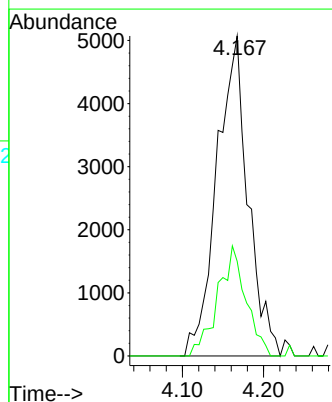
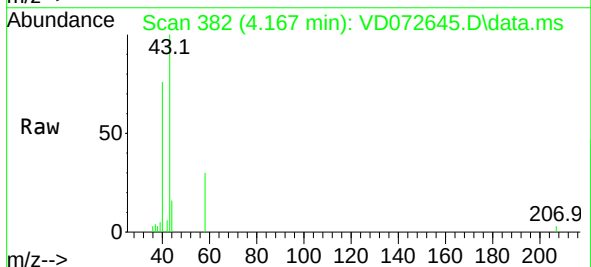


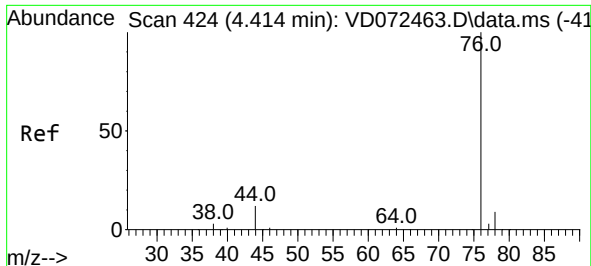
Tgt Ion: 41 Resp: 517
 Ion Ratio Lower Upper
 41 100
 39 39.7 59.3 88.9#
 76 23.6 25.7 38.5#



#16
 Acetone
 Concen: 12.308 ug/l
 RT: 4.167 min Scan# 382
 Delta R.T. 0.012 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

Tgt Ion: 43 Resp: 13569
 Ion Ratio Lower Upper
 43 100
 58 29.6 22.1 33.1





#17

Carbon Disulfide

Concen: 3.975 ug/l

RT: 4.409 min Scan# 41

Delta R.T. -0.005 min

Lab File: VD072645.D

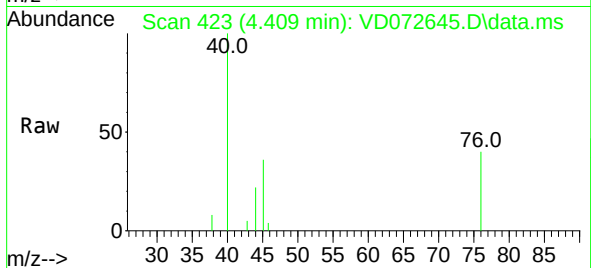
Acq: 20 Apr 2022 14:14

Instrument :

MSVOA_D

ClientSampleId :

282

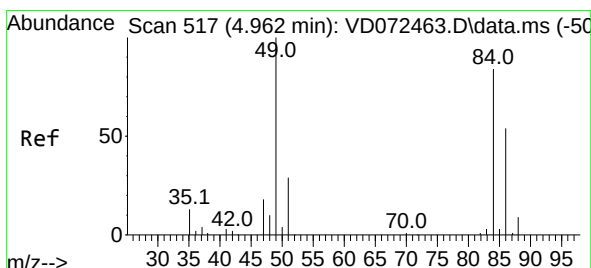
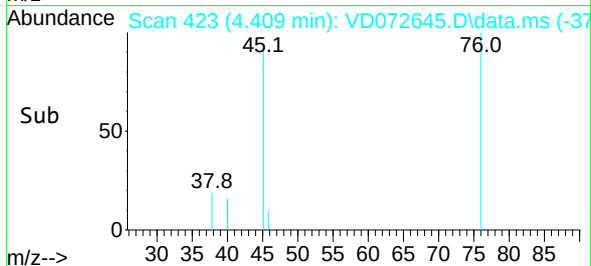
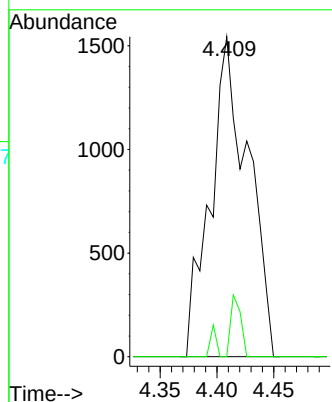


Tgt Ion: 76 Resp: 3575

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 3.050 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.012 min

Lab File: VD072645.D

Acq: 20 Apr 2022 14:14

Tgt Ion: 84 Resp: 20016

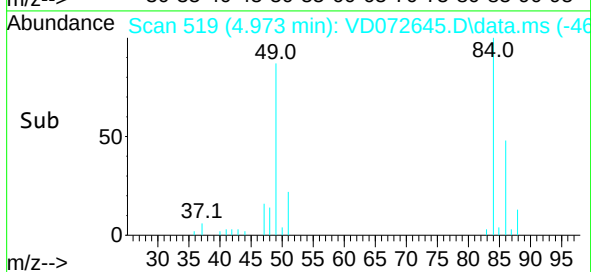
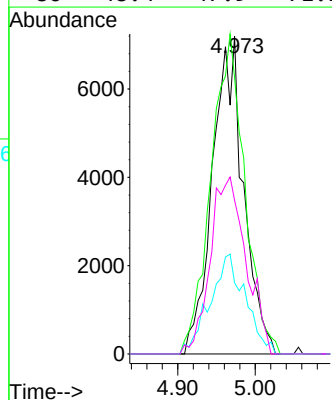
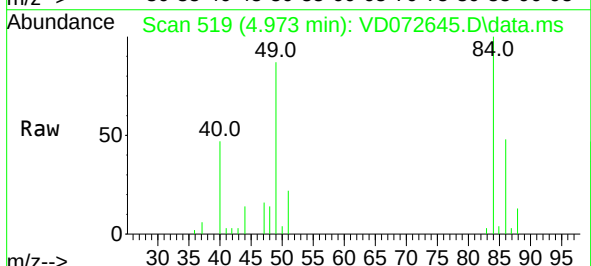
Ion Ratio Lower Upper

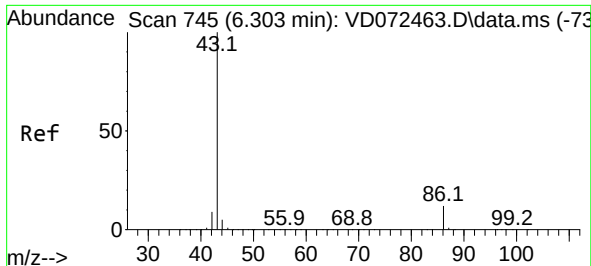
84 100

49 87.0 112.8 169.2#

51 22.3 32.6 48.8#

86 48.4 47.9 71.9

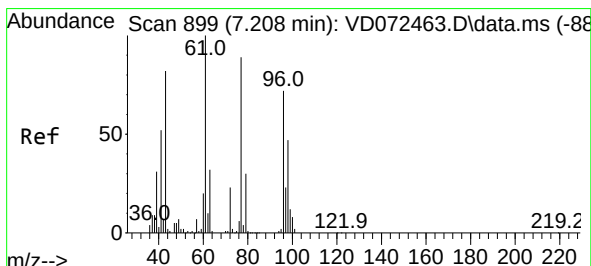
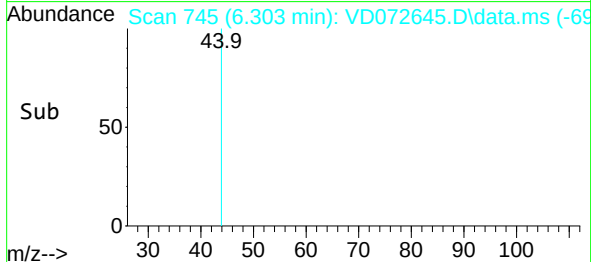
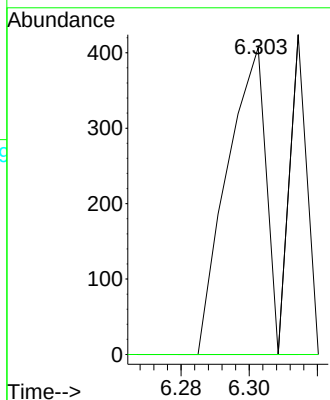
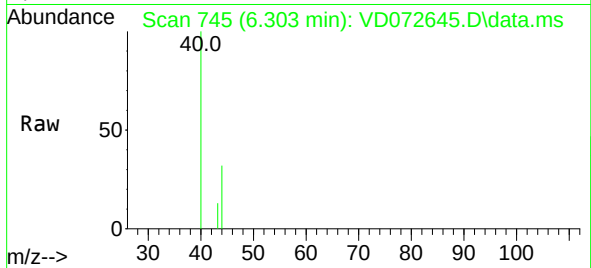




#23
 Vinyl Acetate
 Concen: 6.322 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

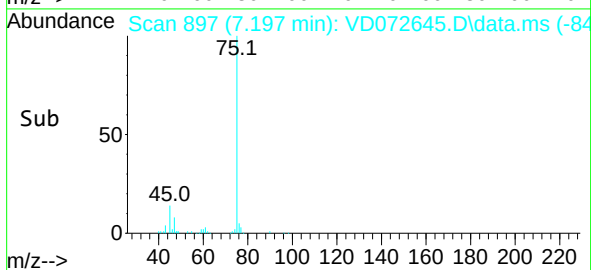
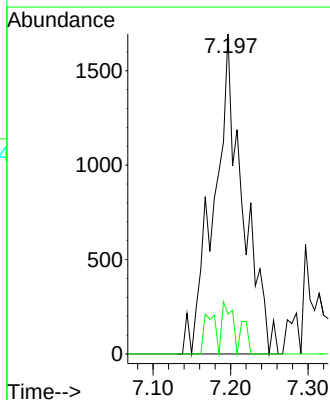
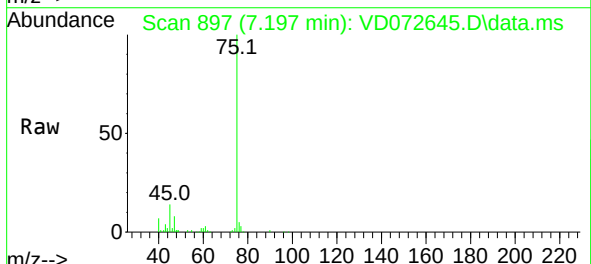
Instrument : MSVOA_D
 ClientSampleId : 282

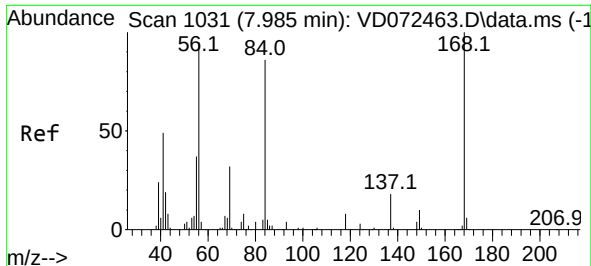
Tgt Ion: 43 Resp: 322
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 2.888 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.012 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

Tgt Ion: 43 Resp: 4403
 Ion Ratio Lower Upper
 43 100
 72 12.4 18.6 27.8#

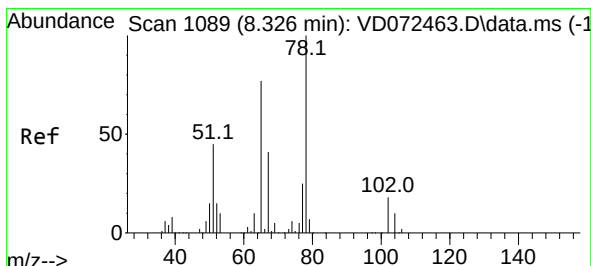
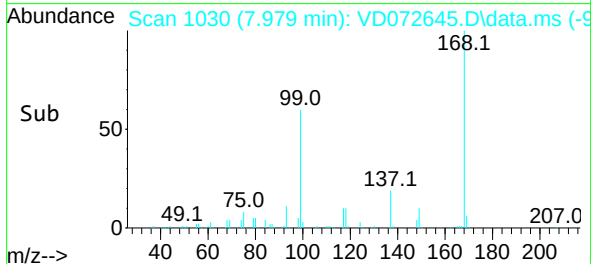
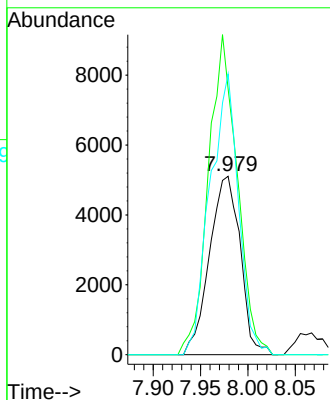
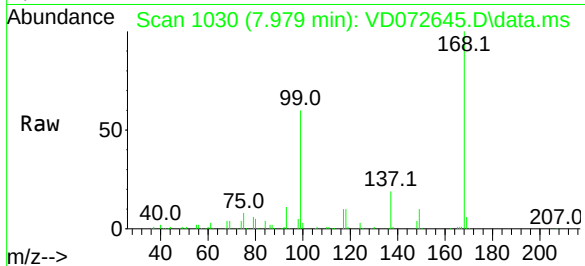




#31
Cyclohexane
Concen: 1.490 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

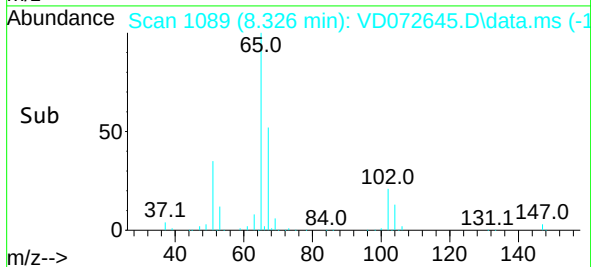
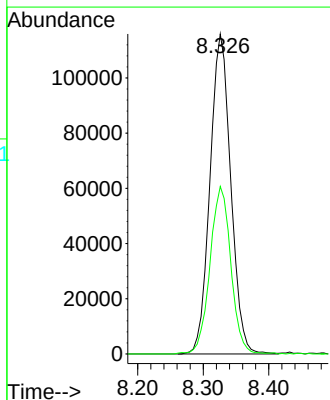
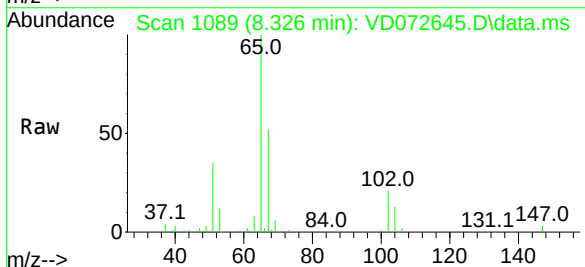
Instrument :
MSVOA_D
ClientSampleId :
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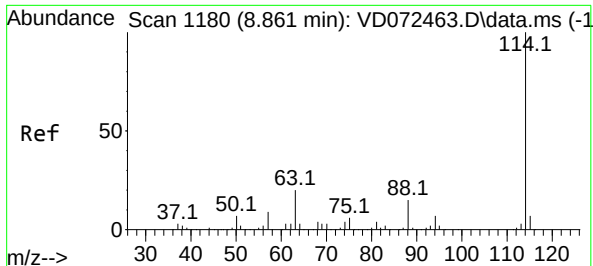
Tgt Ion: 56 Resp: 11521
Ion Ratio Lower Upper
56 100
69 149.0 25.4 38.2#
84 157.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 43.028 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

Tgt Ion: 65 Resp: 254394
Ion Ratio Lower Upper
65 100
67 52.7 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: VD072645.D

Acq: 20 Apr 2022 14:14

Instrument :

MSVOA_D

ClientSampleId :

282

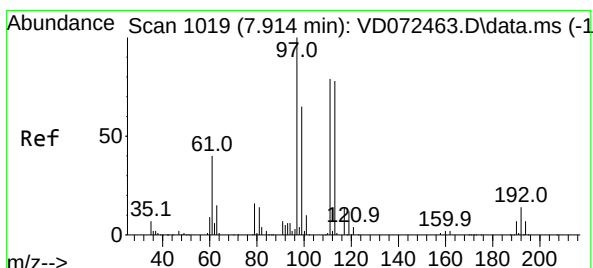
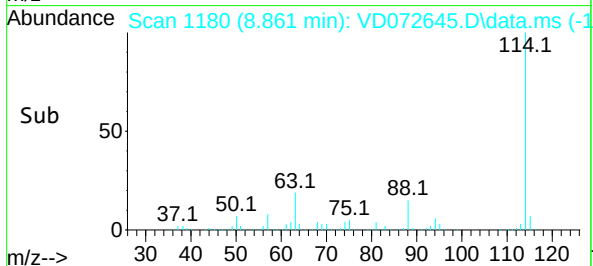
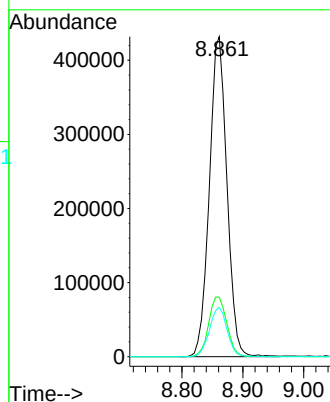
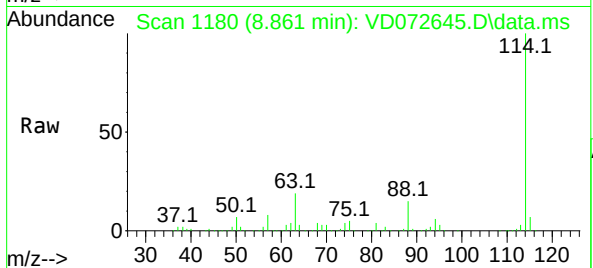
Tgt Ion:114 Resp: 864313

Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.349 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072645.D

Acq: 20 Apr 2022 14:14

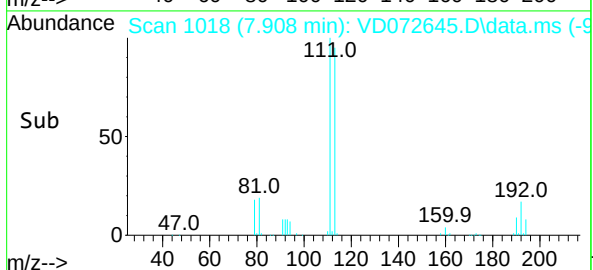
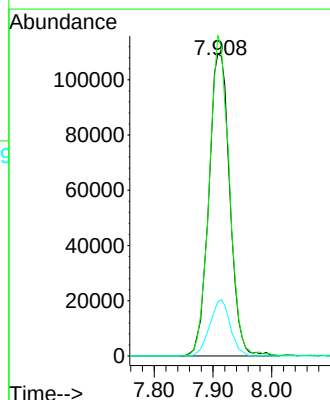
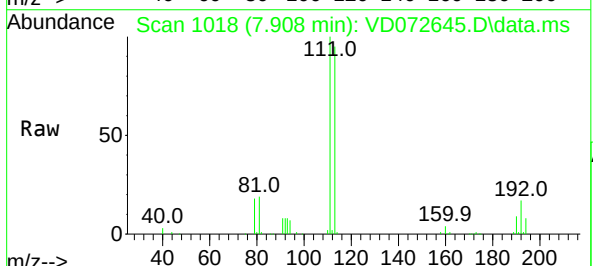
Tgt Ion:113 Resp: 271022

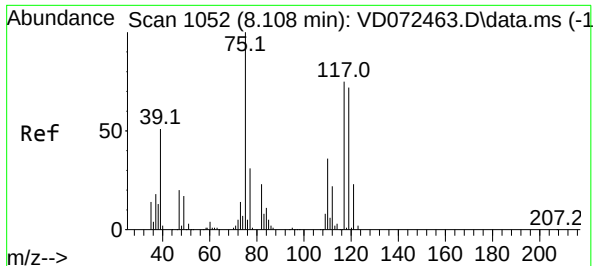
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.298 ug/l

RT: 8.102 min Scan# 1051

Delta R.T. -0.006 min

Lab File: VD072645.D

Acq: 20 Apr 2022 14:14

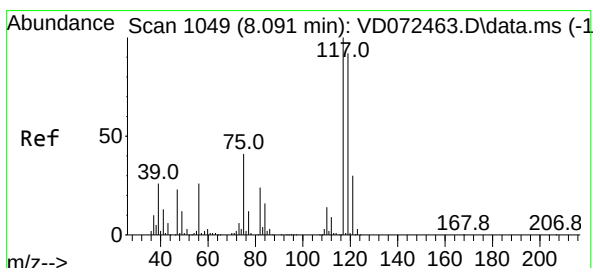
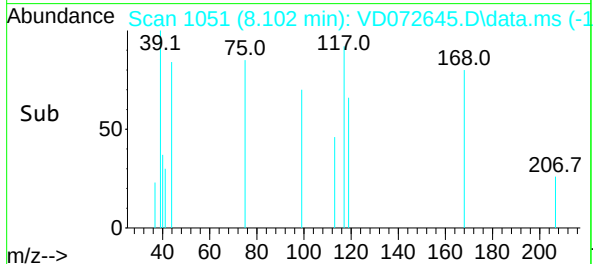
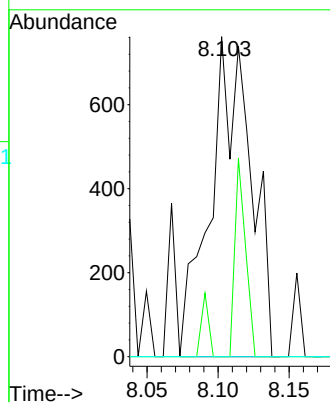
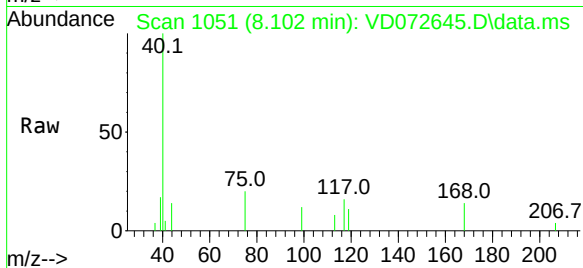
Instrument :

MSVOA_D

ClientSampleId :

282

Tgt Ion:	75	Resp:	1530
Ion	Ratio	Lower	Upper
75	100		
110	16.1	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.554 ug/l

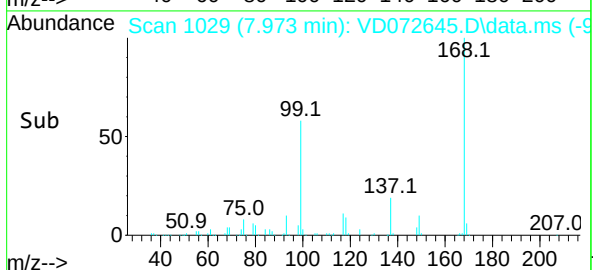
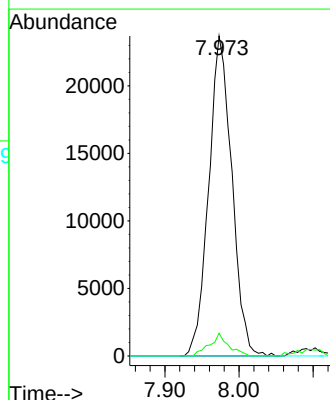
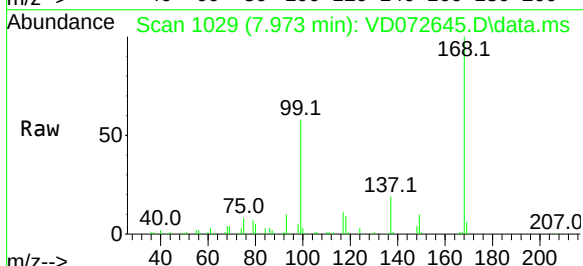
RT: 7.973 min Scan# 1029

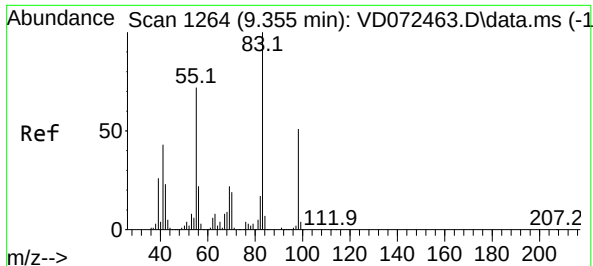
Delta R.T. -0.118 min

Lab File: VD072645.D

Acq: 20 Apr 2022 14:14

Tgt Ion:	117	Resp:	51396
Ion	Ratio	Lower	Upper
117	100		
119	7.1	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 3.051 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072645.D

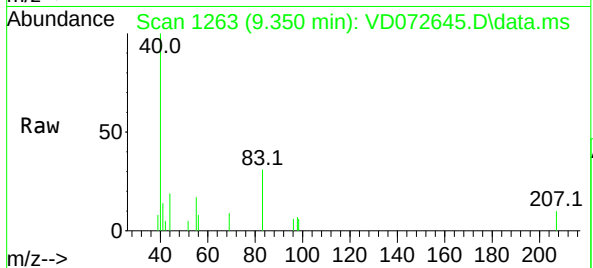
Acq: 20 Apr 2022 14:14

Instrument :

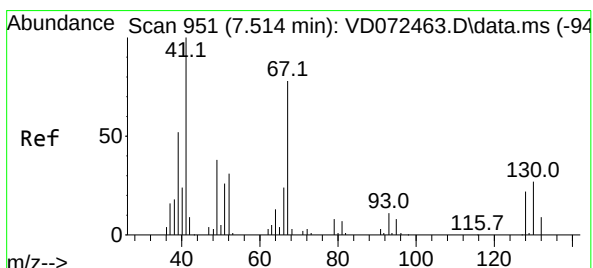
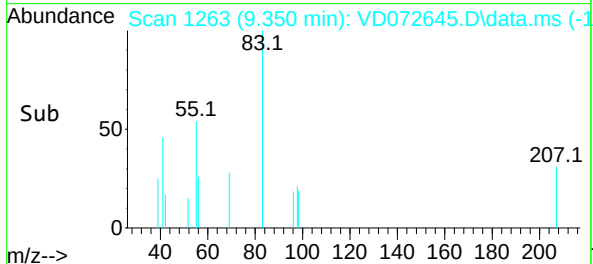
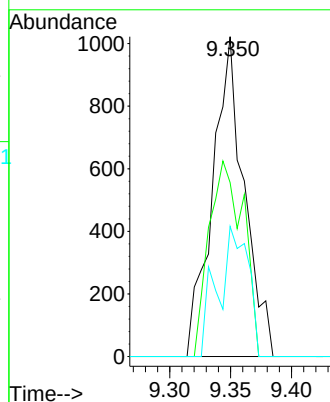
MSVOA_D

ClientSampleId :

282



Tgt Ion: 83	Resp: 1854
Ion Ratio	Lower Upper
83	100
55	54.4 63.2 94.8#
98	40.7 38.2 57.4



#41

Methacrylonitrile

Concen: 1.688 ug/l

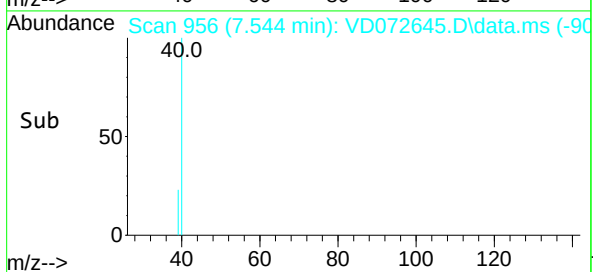
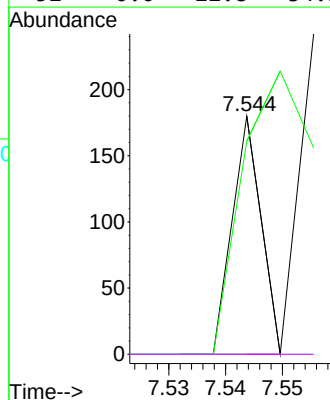
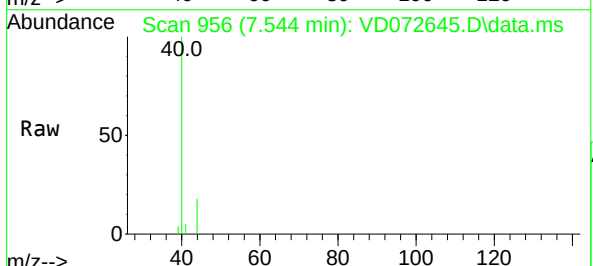
RT: 7.544 min Scan# 956

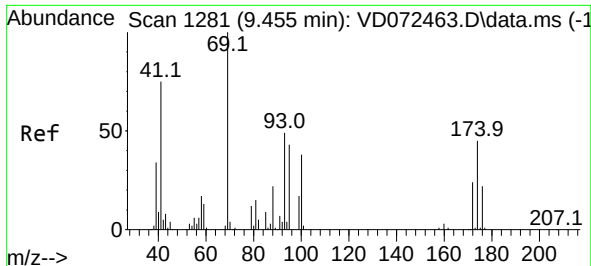
Delta R.T. 0.030 min

Lab File: VD072645.D

Acq: 20 Apr 2022 14:14

Tgt Ion: 41	Resp: 64
Ion Ratio	Lower Upper
41	100
39	292.2 44.6 67.0#
67	0.0 48.2 72.4#
52	0.0 22.8 34.2#

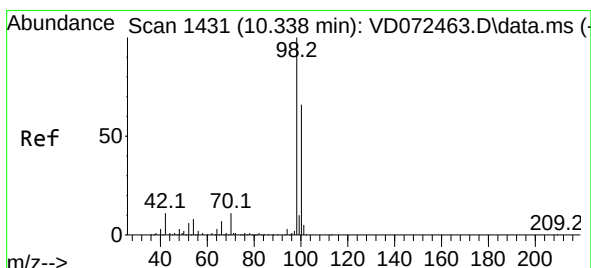
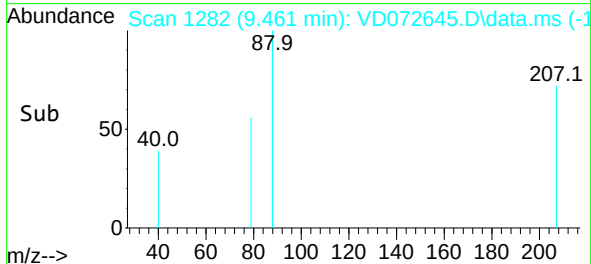
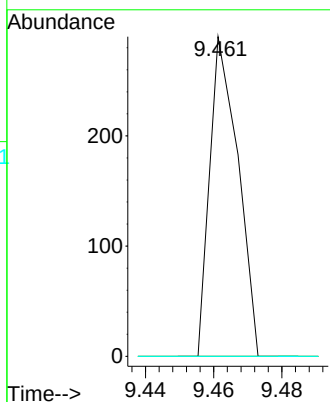
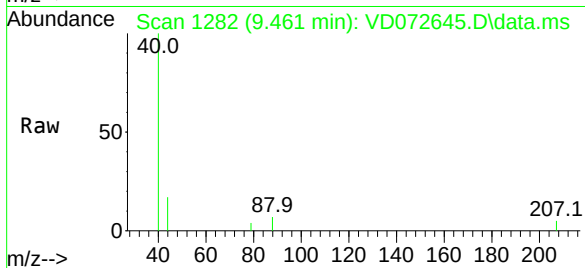




#49
1,4-Dioxane
Concen: 4.101 ug/l
RT: 9.461 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

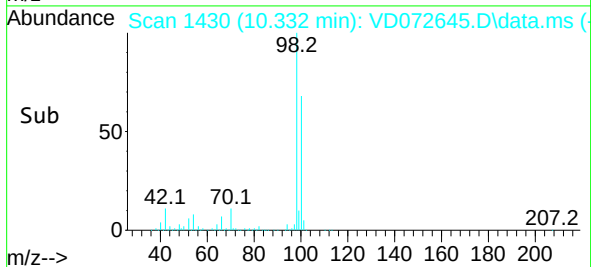
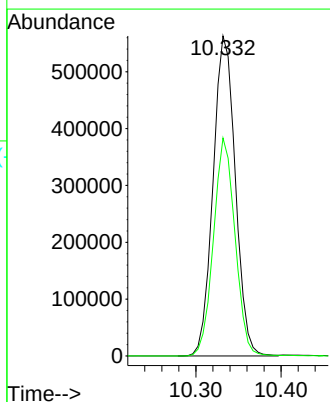
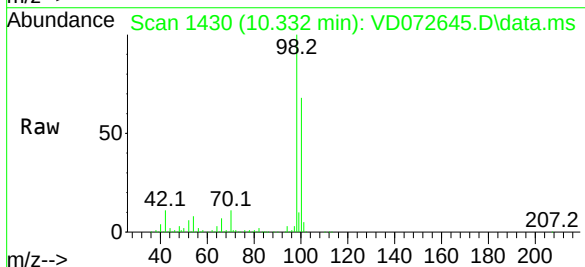
Instrument :
MSVOA_D
ClientSampleId :
282

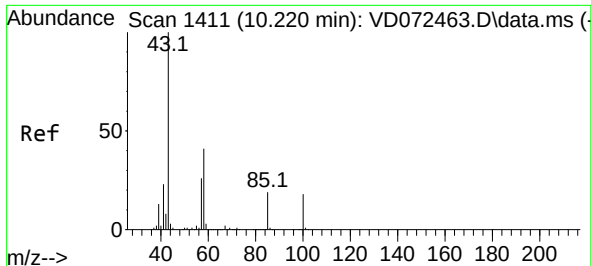
Tgt Ion: 88 Resp: 167
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 43.797 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

Tgt Ion: 98 Resp: 1022582
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

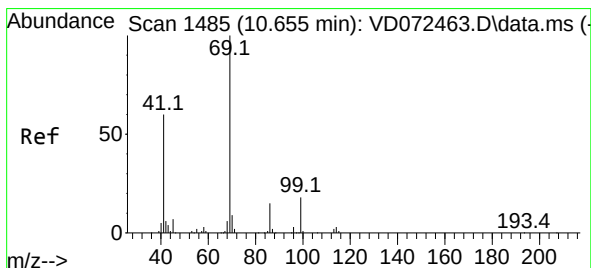
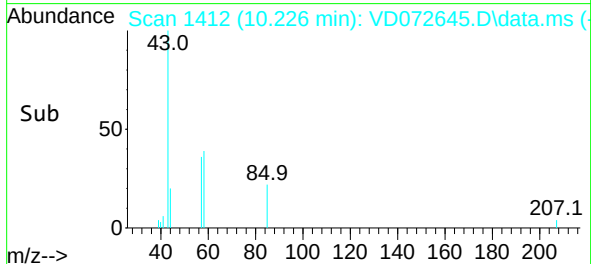
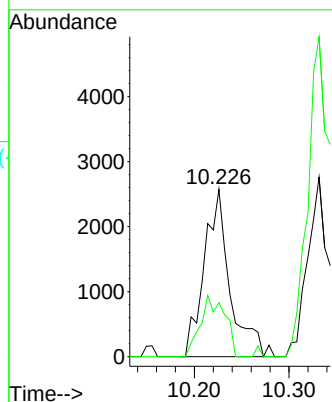
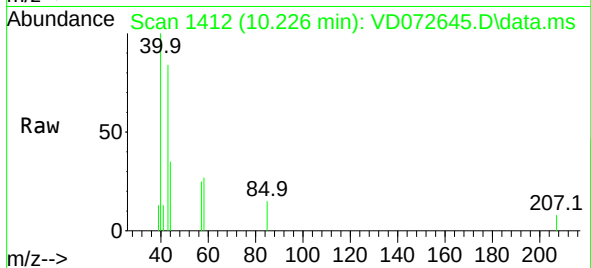




#51
4-Methyl-2-Pentanone
Concen: 1.337 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

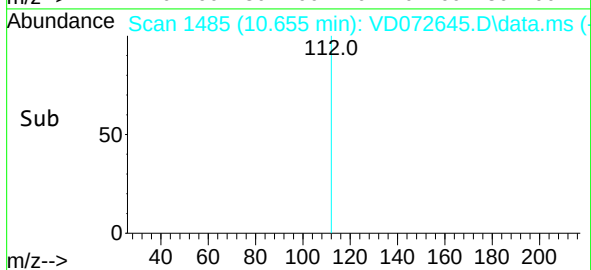
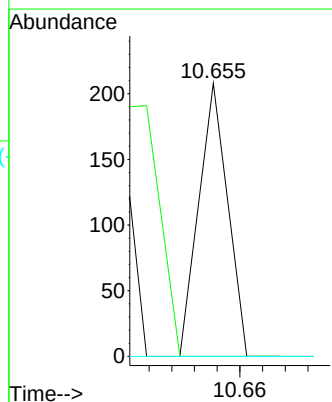
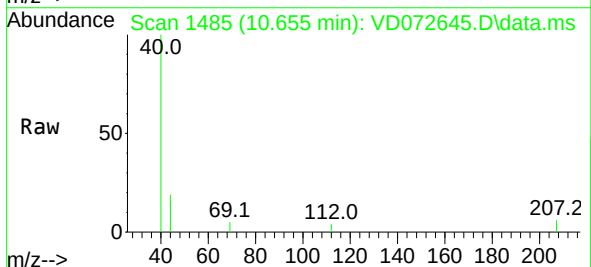
Instrument :
MSVOA_D
ClientSampleId :
282

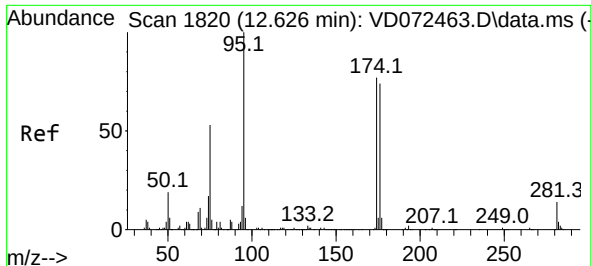
Tgt Ion: 43 Resp: 4897
Ion Ratio Lower Upper
43 100
58 34.4 28.6 43.0



#56
Ethyl methacrylate
Concen: 1.202 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

Tgt Ion: 69 Resp: 73
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

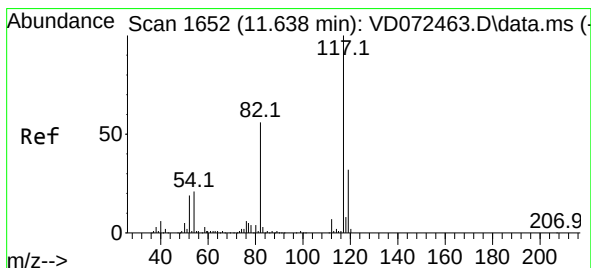
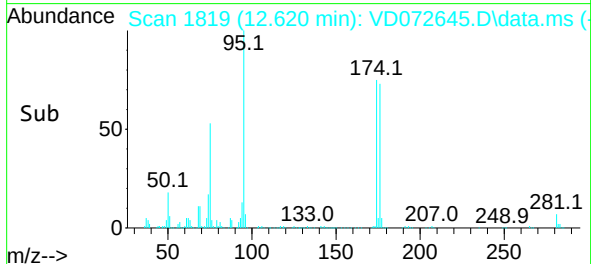
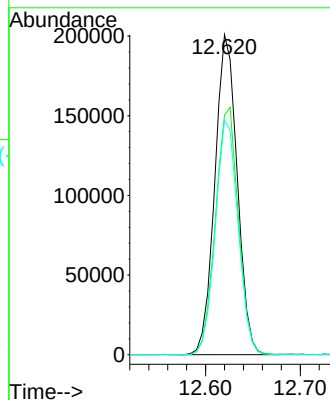
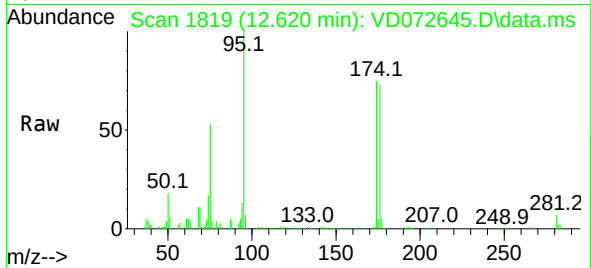




#62
4-Bromofluorobenzene
Concen: 36.113 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

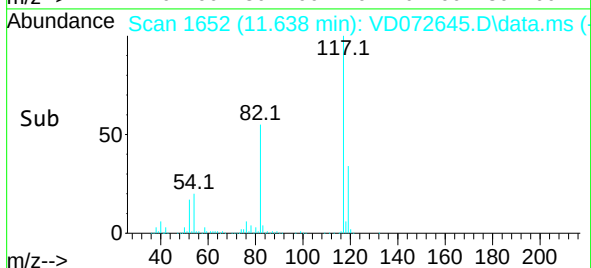
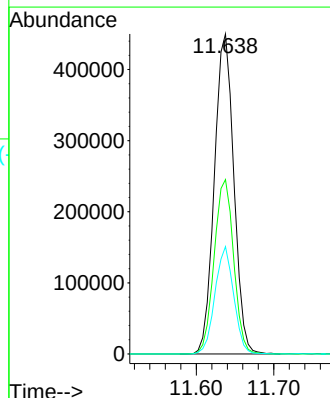
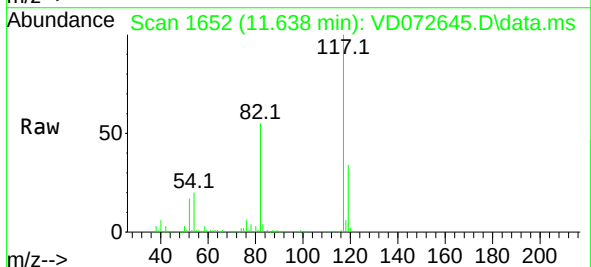
Instrument :
MSVOA_D
ClientSampleId :
282

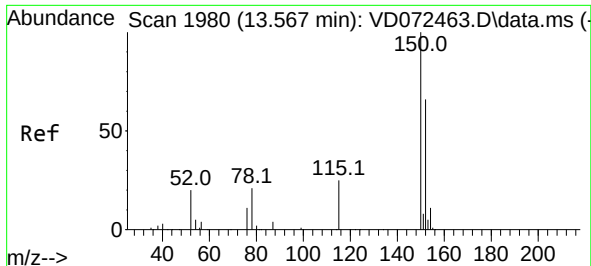
Tgt Ion: 95 Resp: 329303
Ion Ratio Lower Upper
95 100
174 79.4 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072645.D
Acq: 20 Apr 2022 14:14

Tgt Ion: 117 Resp: 785982
Ion Ratio Lower Upper
117 100
82 54.5 45.3 67.9
119 33.6 26.6 40.0

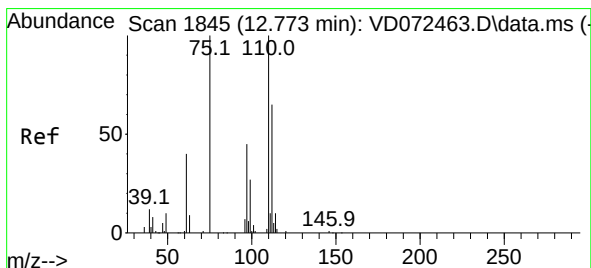
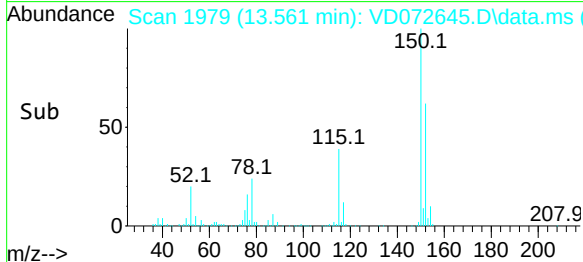
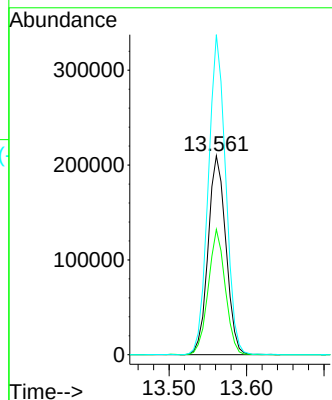
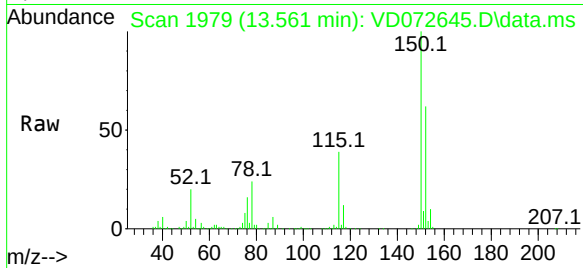




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

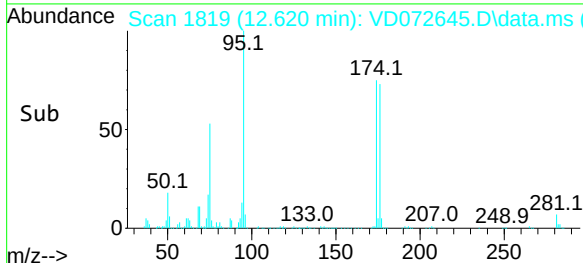
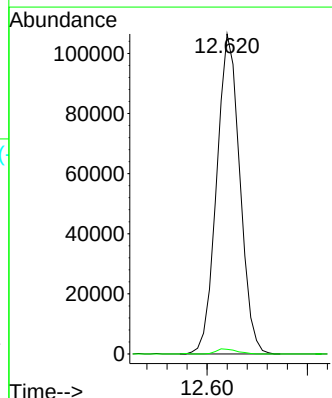
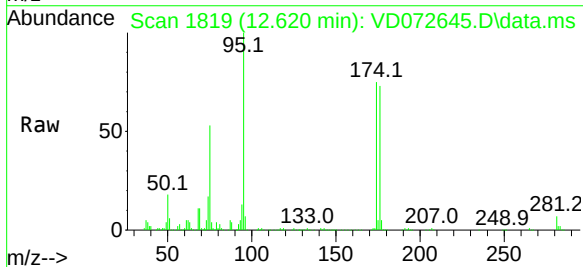
Instrument :
 MSVOA_D
 ClientSampleId :
 282

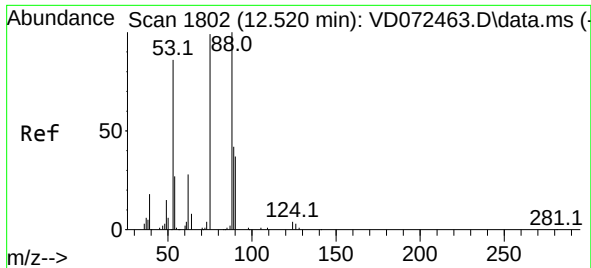
Tgt Ion:152 Resp: 334418
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.3 93.8
 150 157.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 46.804 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

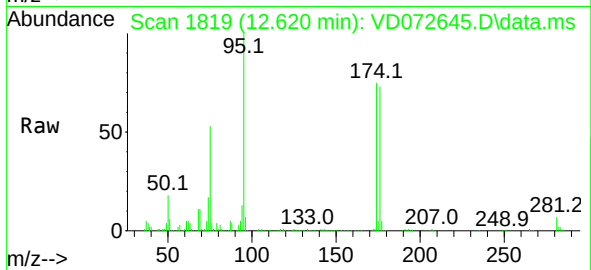
Tgt Ion: 75 Resp: 170711
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.848 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072645.D
 Acq: 20 Apr 2022 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 282



Tgt Ion: 75 Resp: 170711
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#

