

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072619.D
 Acq On : 19 Apr 2022 12:32
 Operator : VA/SY
 Sample : N2462-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 296-05

Quant Time: Apr 19 16:11:46 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)

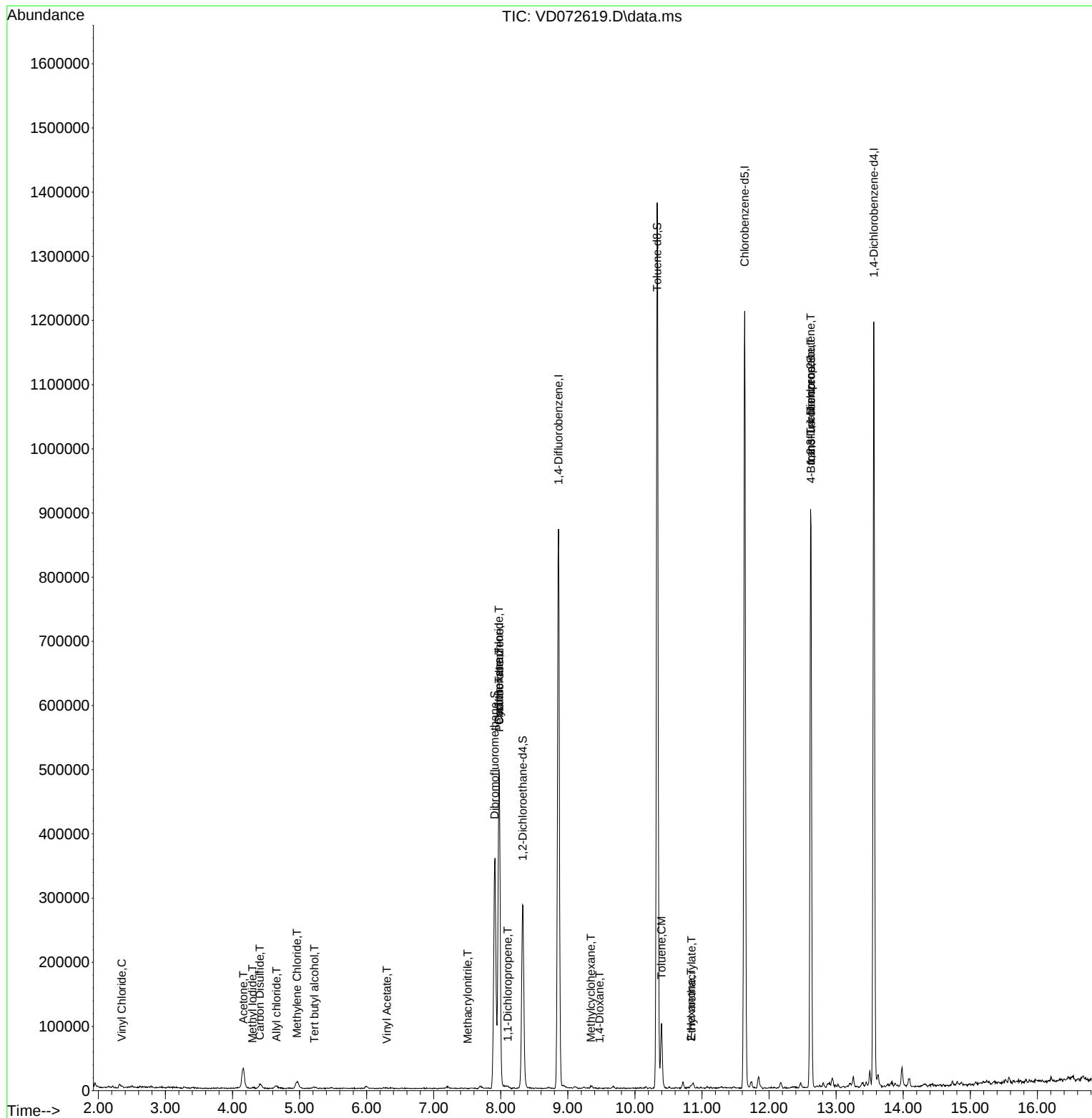
Internal Standards						
1) Pentafluorobenzene	7.979	168	364808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	757219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	730759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	318376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	223466	50.637	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.280%			
35) Dibromofluoromethane	7.908	113	261592	44.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.900%			
50) Toluene-d8	10.332	98	940326	45.970	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.940%			
62) 4-Bromofluorobenzene	12.626	95	305403	38.229	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.460%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	603	1.142	ug/l	94
10) Methyl Iodide	4.297	142	1575	4.104	ug/l #	80
11) Tert butyl alcohol	5.220	59	3015	12.937	ug/l #	83
14) Allyl chloride	4.656	41	7572	2.413	ug/l #	27
16) Acetone	4.161	43	57574	69.966	ug/l	96
17) Carbon Disulfide	4.409	76	13120	5.341	ug/l #	94
20) Methylene Chloride	4.961	84	9450	1.929	ug/l #	59
23) Vinyl Acetate	6.303	43	1109	6.442	ug/l #	75
31) Cyclohexane	7.973	56	8913	1.545	ug/l #	1
36) 1,1-Dichloropropene	8.102	75	991	1.253	ug/l #	72
38) Carbon Tetrachloride	7.973	117	39804	4.910	ug/l #	17
39) Methylcyclohexane	9.344	83	1477	3.036	ug/l	92
41) Methacrylonitrile	7.508	41	85	1.703	ug/l #	27
49) 1,4-Dioxane	9.473	88	75	2.102	ug/l #	24
52) Toluene	10.396	92	40956	3.000	ug/l	98
56) Ethyl methacrylate	10.843	69	68	1.203	ug/l #	1
59) 2-Hexanone	10.838	43	3377	1.547	ug/l	73
76) 1,2,3-Trichloropropane	12.620	75	154045	44.363	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	154045	108.857	ug/l #	7

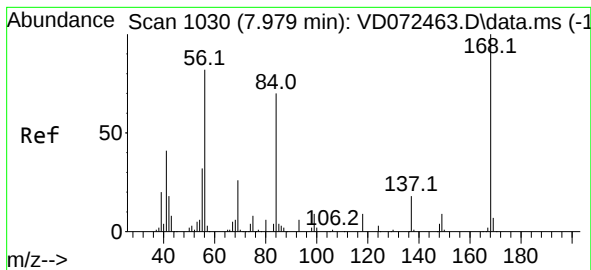
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.000 min

Lab File: VD072619.D

Acq: 19 Apr 2022 12:32

Instrument :

MSVOA_D

ClientSampleId :

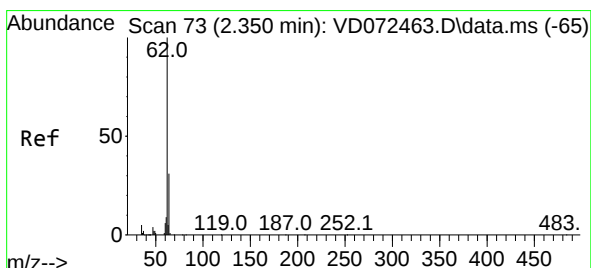
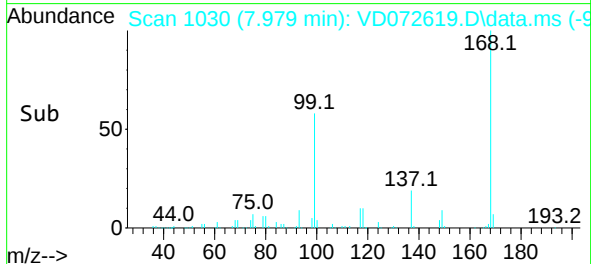
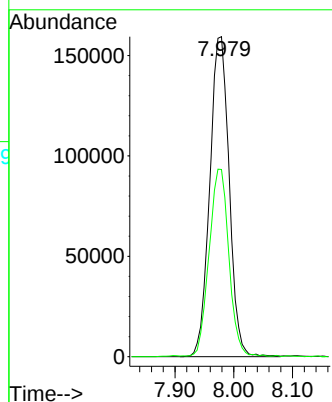
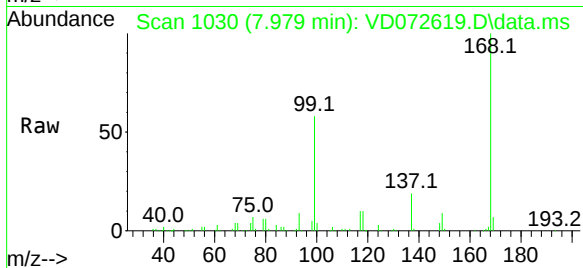
296-05

Tgt Ion:168 Resp: 364808

Ion Ratio Lower Upper

168 100

99 58.4 49.8 74.6



#4

Vinyl Chloride

Concen: 1.142 ug/l

RT: 2.350 min Scan# 73

Delta R.T. -0.000 min

Lab File: VD072619.D

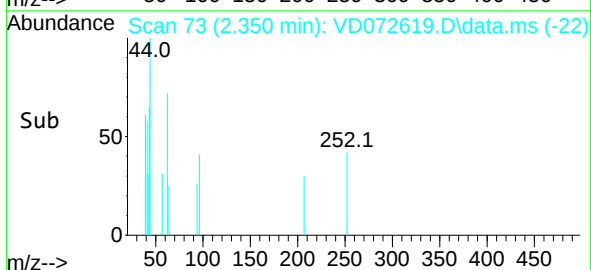
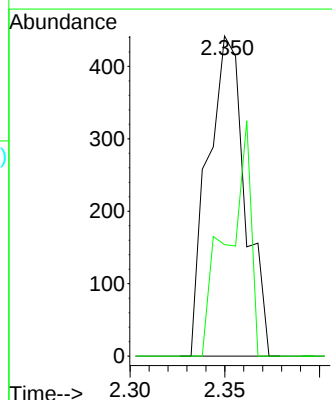
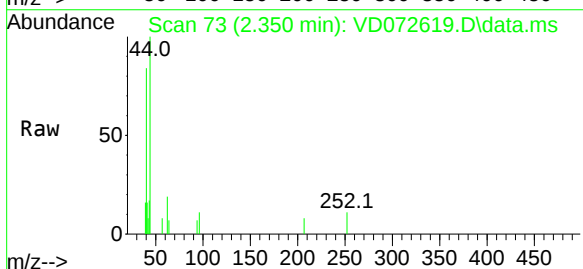
Acq: 19 Apr 2022 12:32

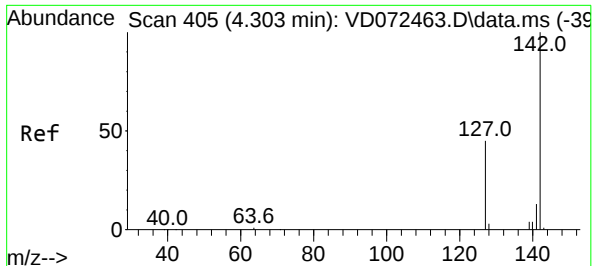
Tgt Ion: 62 Resp: 603

Ion Ratio Lower Upper

62 100

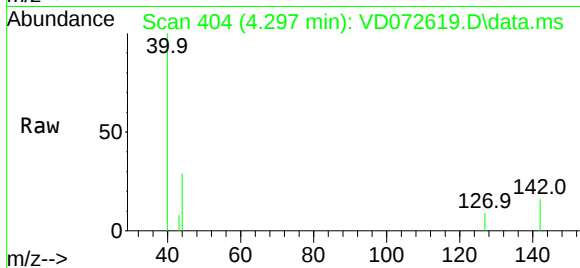
64 34.8 25.4 38.0



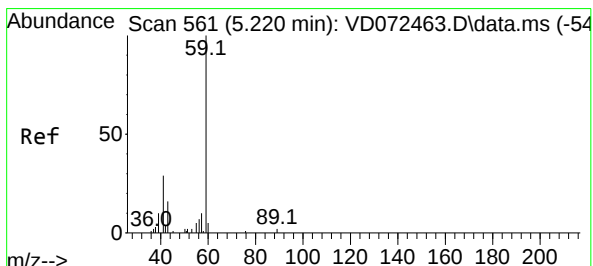
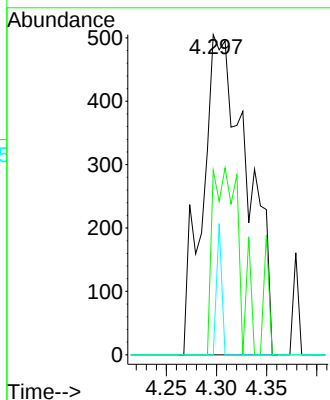
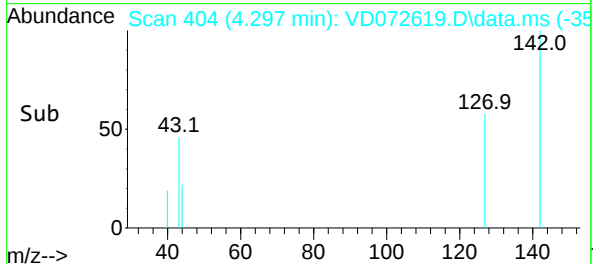


#10
Methyl Iodide
Concen: 4.104 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Instrument :
MSVOA_D
ClientSampleId :
296-05

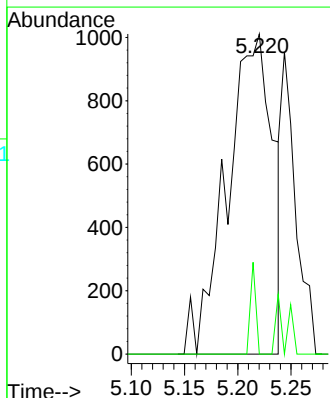
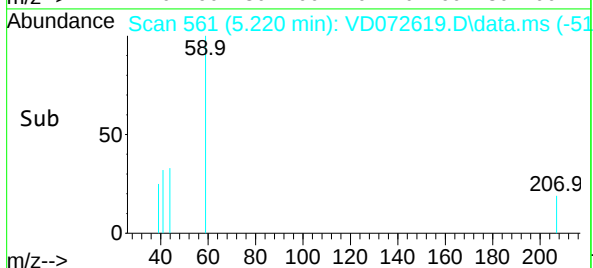
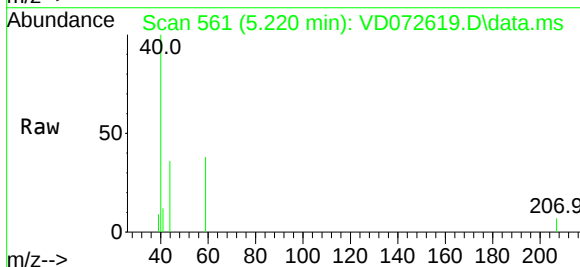


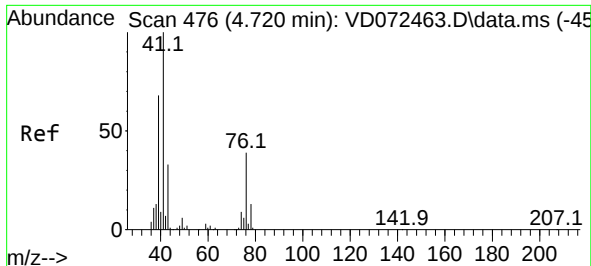
Tgt Ion:142 Resp: 1575
Ion Ratio Lower Upper
142 100
127 34.4 37.3 55.9#
141 4.6 11.7 17.5#



#11
Tert butyl alcohol
Concen: 12.937 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.000 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

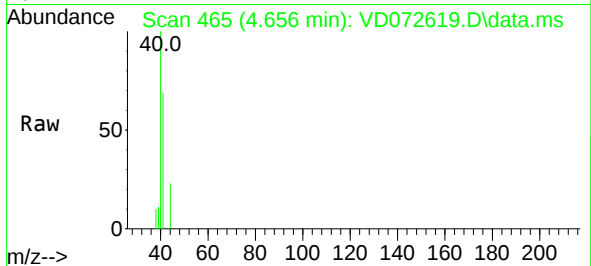
Tgt Ion: 59 Resp: 3015
Ion Ratio Lower Upper
59 100
57 3.4 7.8 11.6#



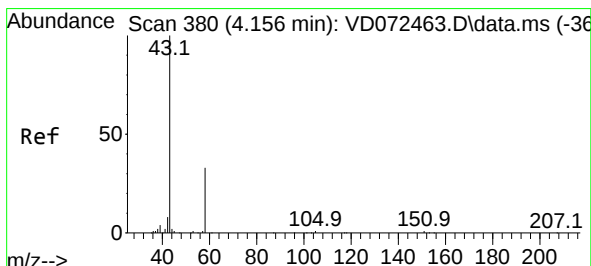
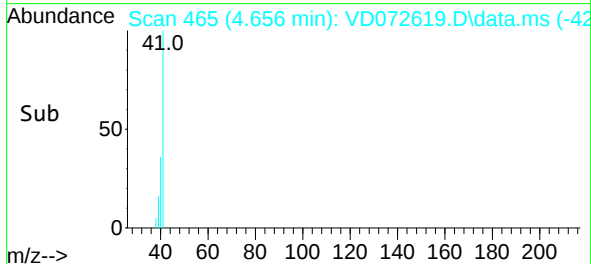
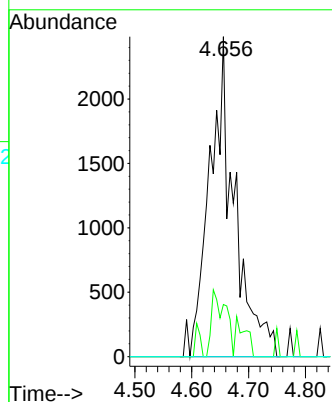


#14
 Allyl chloride
 Concen: 2.413 ug/l
 RT: 4.656 min Scan# 41
 Delta R.T. -0.064 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 296-05

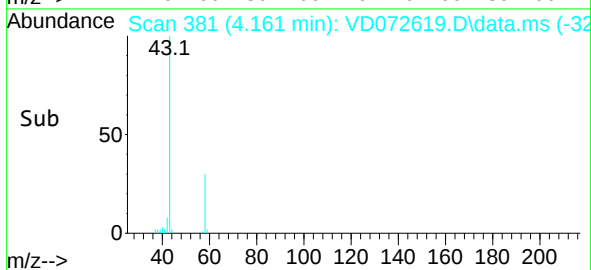
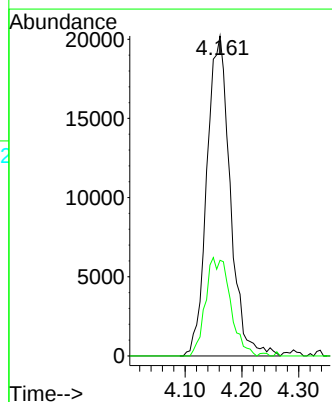
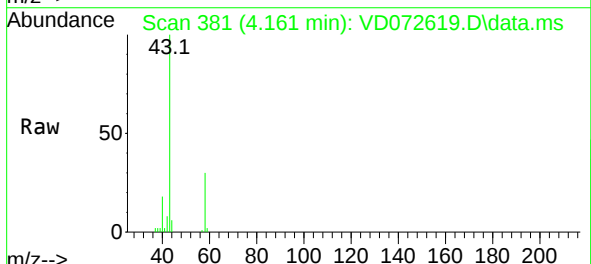


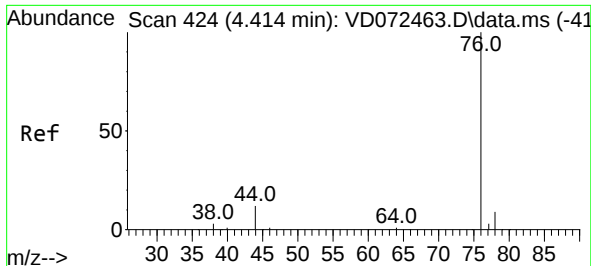
Tgt Ion: 41 Resp: 7572
 Ion Ratio Lower Upper
 41 100
 39 6.6 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 69.966 ug/l
 RT: 4.161 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

Tgt Ion: 43 Resp: 57574
 Ion Ratio Lower Upper
 43 100
 58 29.9 22.1 33.1

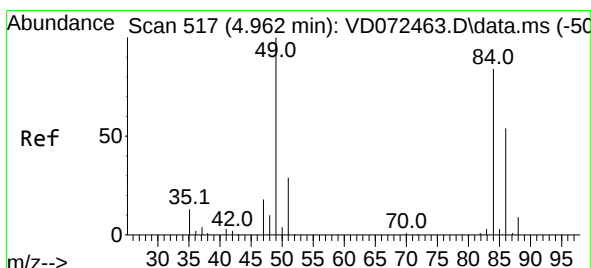
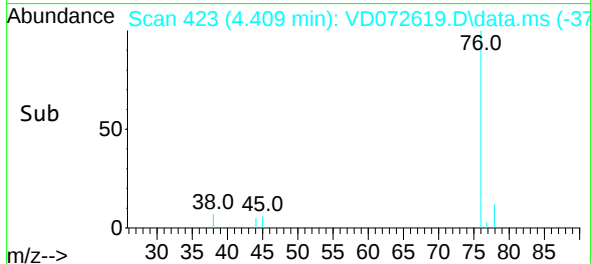
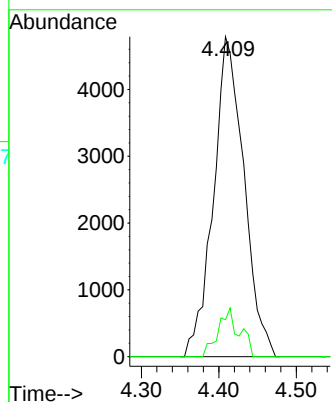
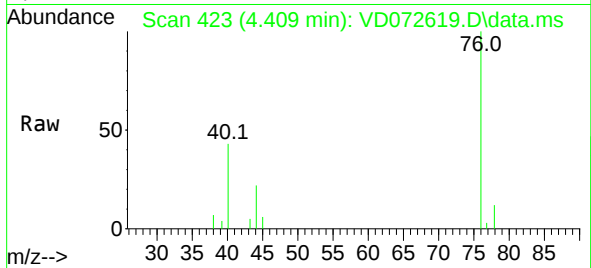




#17
Carbon Disulfide
Concen: 5.341 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

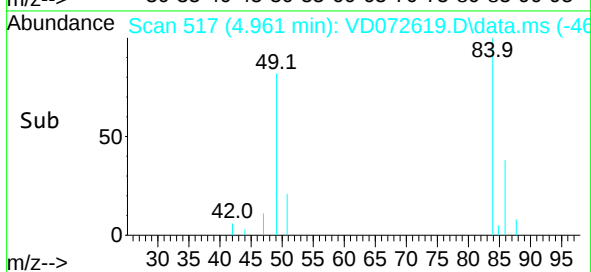
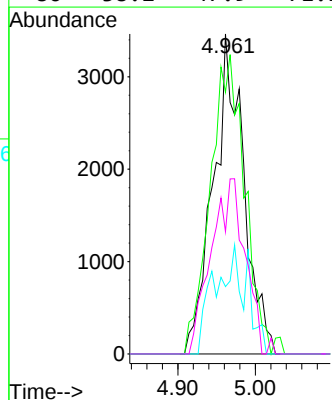
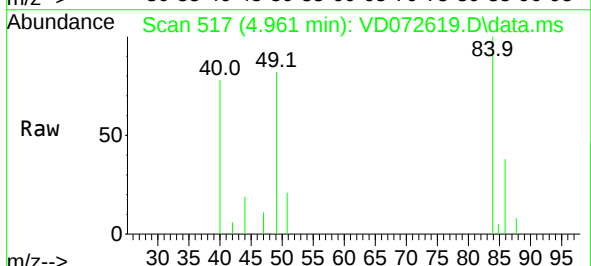
Instrument :
MSVOA_D
ClientSampleId :
296-05

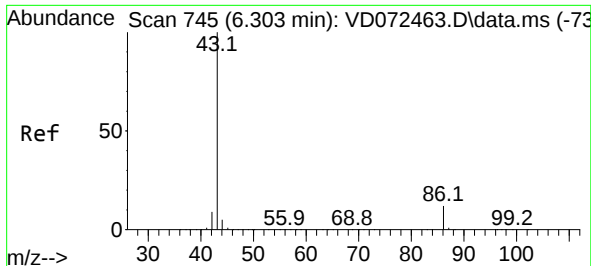
Tgt Ion: 76 Resp: 13120
Ion Ratio Lower Upper
76 100
78 11.5 7.5 11.3#



#20
Methylene Chloride
Concen: 1.929 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Tgt Ion: 84 Resp: 9450
Ion Ratio Lower Upper
84 100
49 81.8 112.8 169.2#
51 21.1 32.6 48.8#
86 38.2 47.9 71.9#

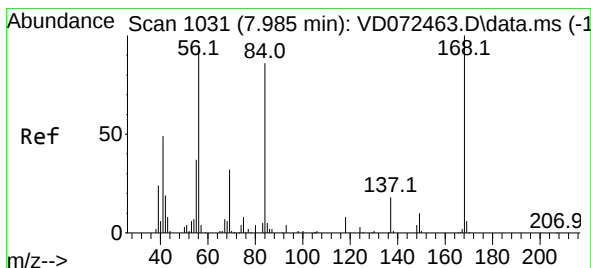
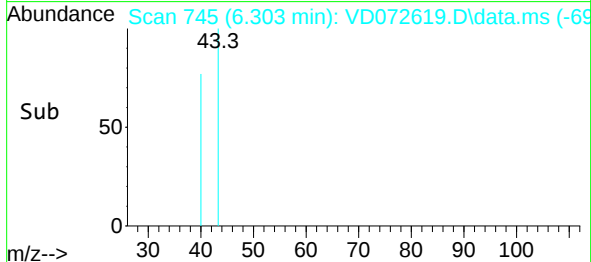
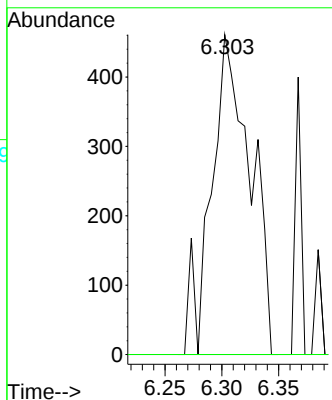
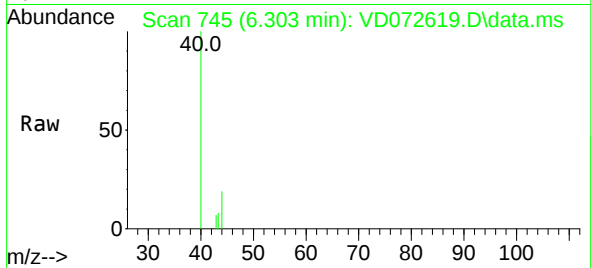




#23
 Vinyl Acetate
 Concen: 6.442 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

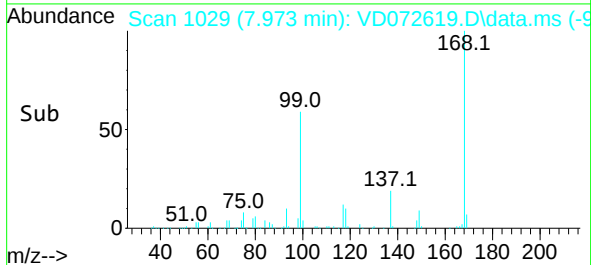
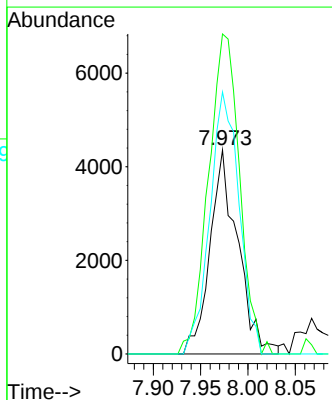
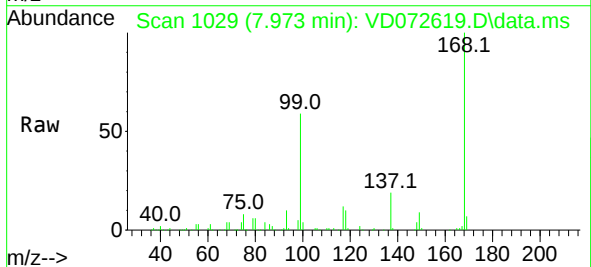
Instrument :
 MSVOA_D
 ClientSampleId :
 296-05

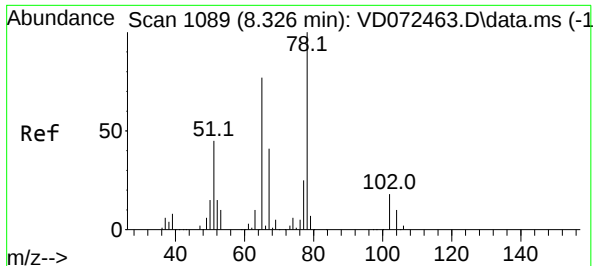
Tgt Ion: 43 Resp: 1109
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.545 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

Tgt Ion: 56 Resp: 8913
 Ion Ratio Lower Upper
 56 100
 69 156.9 25.4 38.2#
 84 128.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.637 ug/l

RT: 8.326 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD072619.D

Acq: 19 Apr 2022 12:32

Instrument :

MSVOA_D

ClientSampleId :

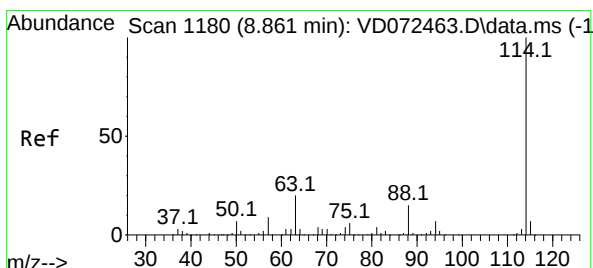
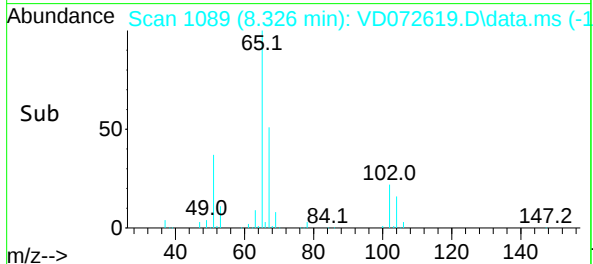
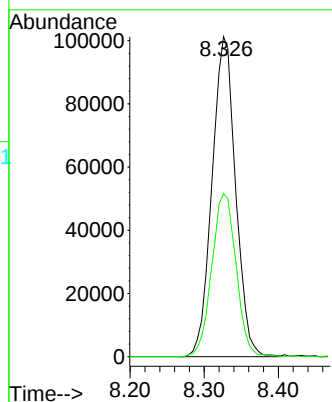
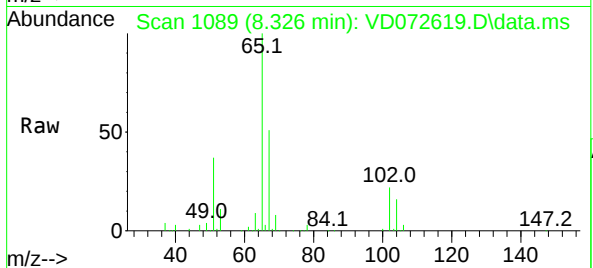
296-05

Tgt Ion: 65 Resp: 223466

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: VD072619.D

Acq: 19 Apr 2022 12:32

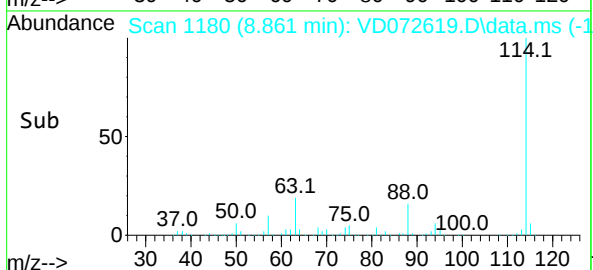
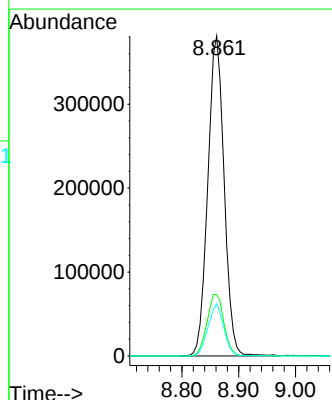
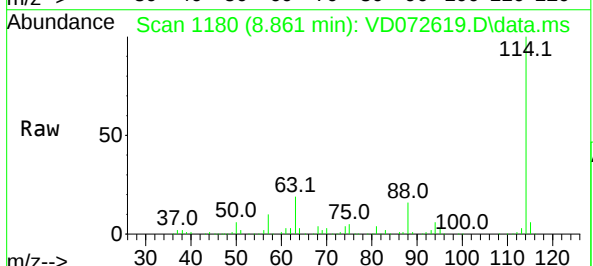
Tgt Ion: 114 Resp: 757219

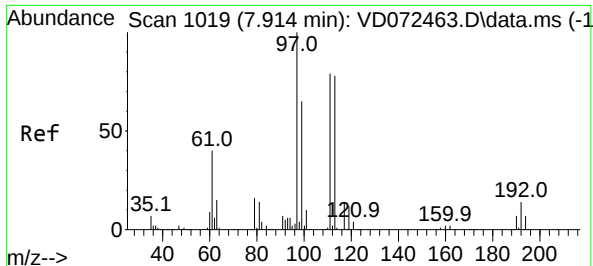
Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.453 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072619.D

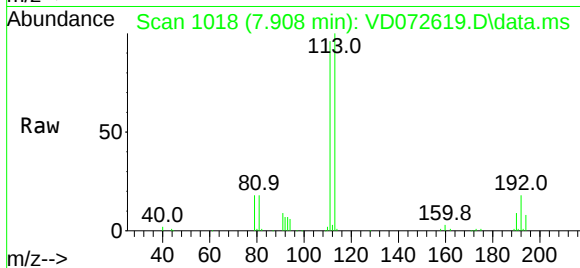
Acq: 19 Apr 2022 12:32

Instrument :

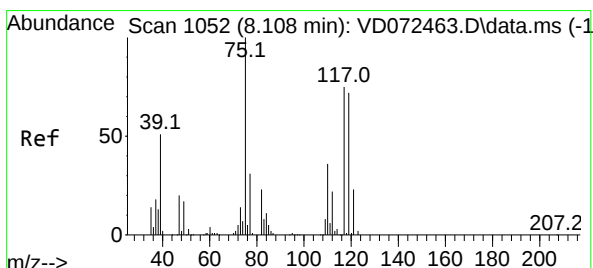
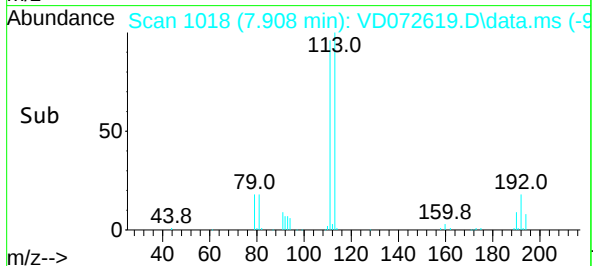
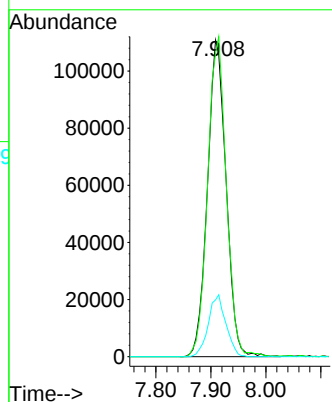
MSVOA_D

ClientSampleId :

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Tgt Ion:	113	Resp:	261592
Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.8	125.6
192	18.4	14.6	21.8



#36

1,1-Dichloropropene

Concen: 1.253 ug/l

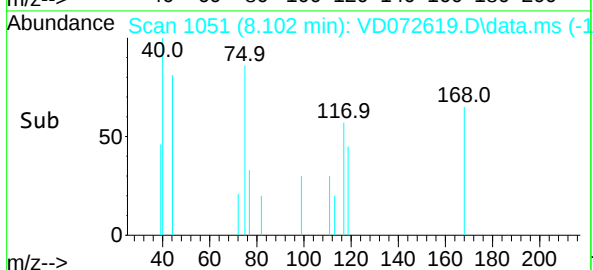
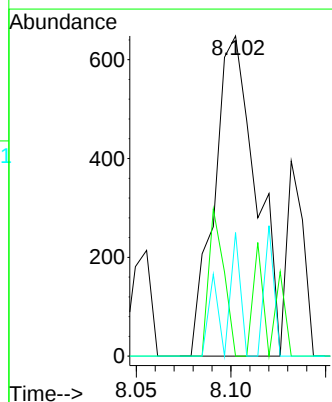
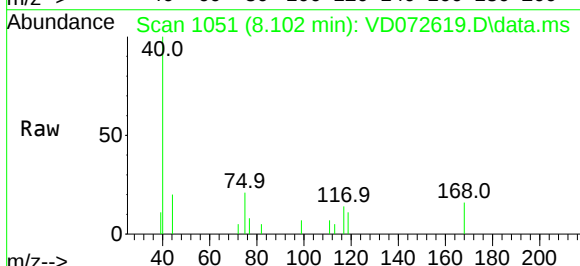
RT: 8.102 min Scan# 1051

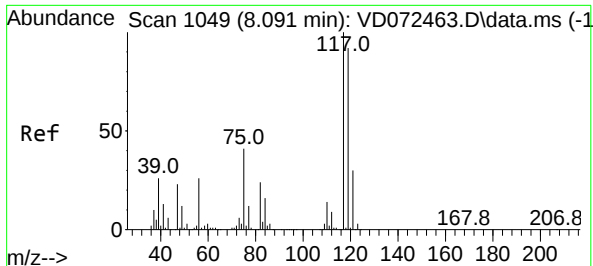
Delta R.T. -0.006 min

Lab File: VD072619.D

Acq: 19 Apr 2022 12:32

Tgt Ion:	75	Resp:	991
Ion	Ratio	Lower	Upper
75	100		
110	16.6	16.4	49.1
77	14.8	24.2	36.2#

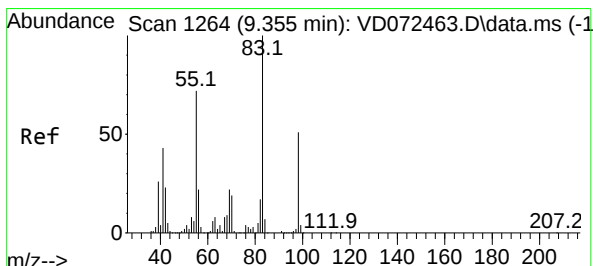
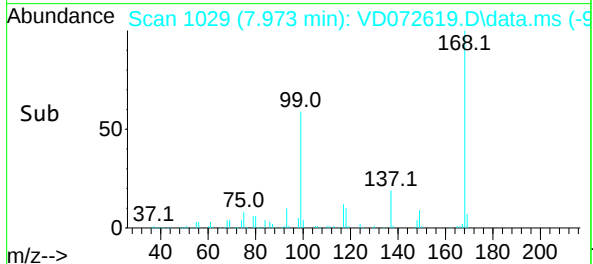
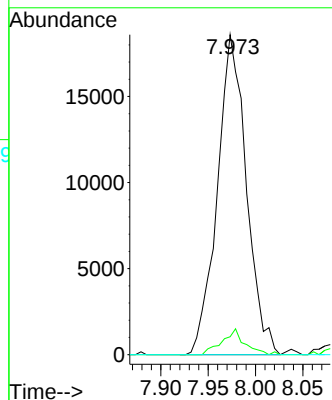
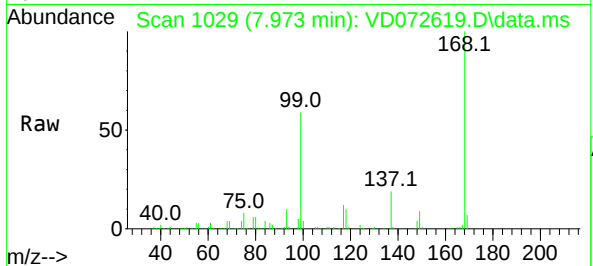




#38
Carbon Tetrachloride
Concen: 4.910 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

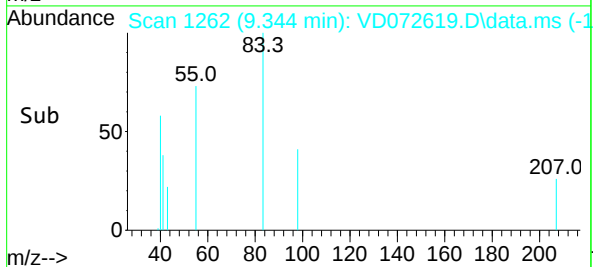
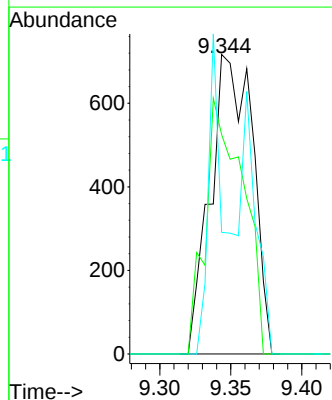
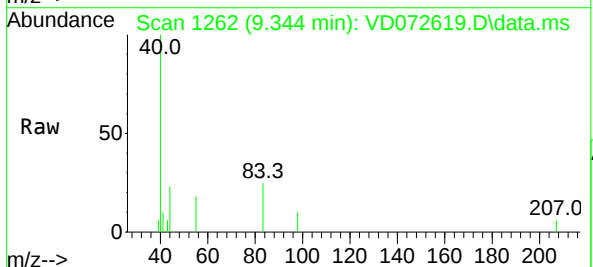
Instrument :
MSVOA_D
ClientSampleId :
296-05

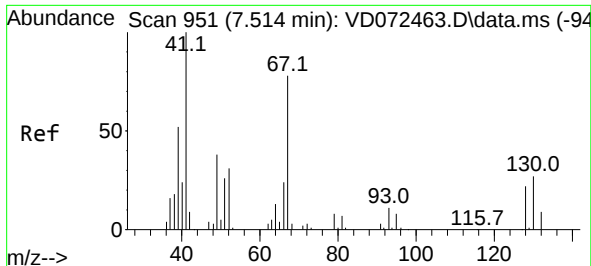
Tgt Ion:117 Resp: 39804
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.036 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.011 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Tgt Ion: 83 Resp: 1477
Ion Ratio Lower Upper
83 100
55 73.2 63.2 94.8
98 40.6 38.2 57.4

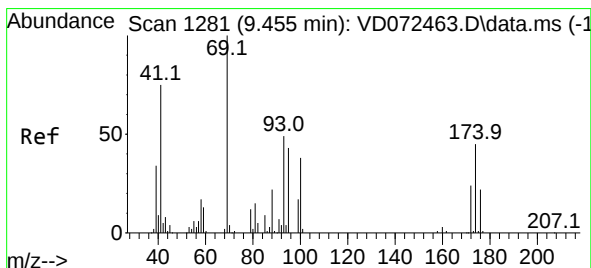
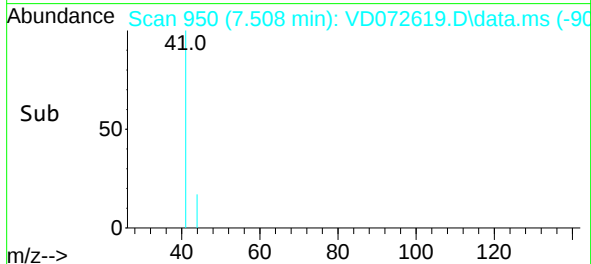
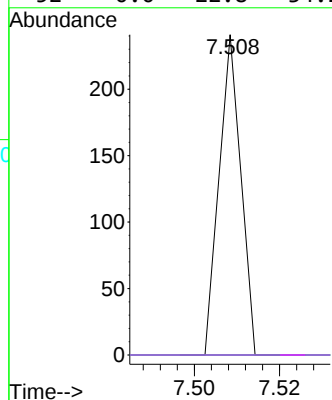
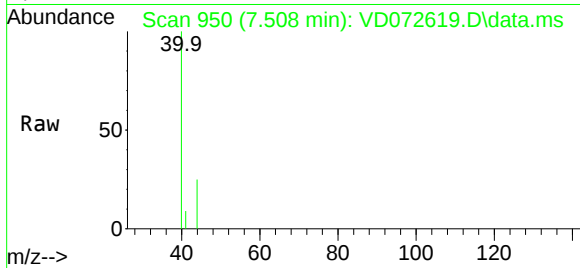




#41
Methacrylonitrile
Concen: 1.703 ug/l
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

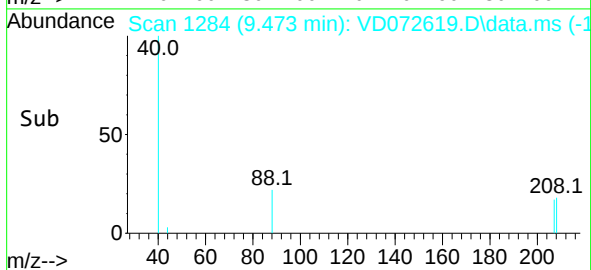
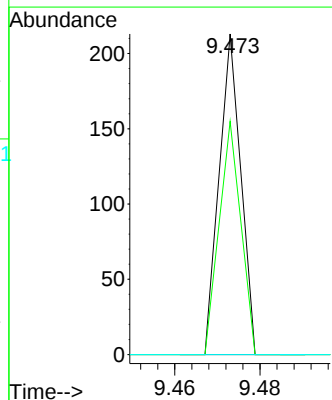
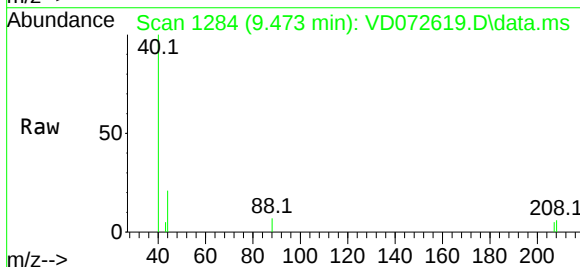
Instrument :
MSVOA_D
ClientSampleId :
296-05

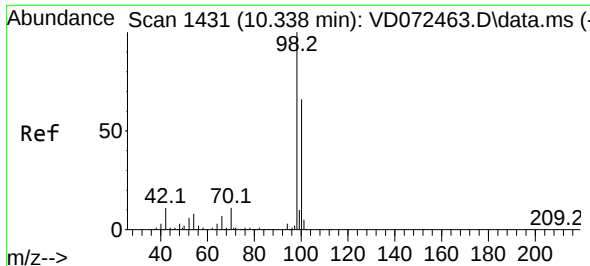
Tgt Ion: 41	Resp: 85
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#49
1,4-Dioxane
Concen: 2.102 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.018 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Tgt Ion: 88	Resp: 75
Ion Ratio	Lower Upper
88 100	
43 73.3	31.0 46.4#
58 0.0	58.1 87.1#

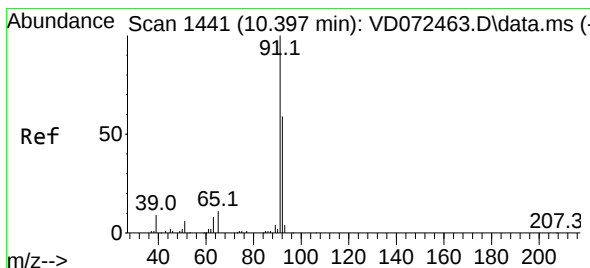
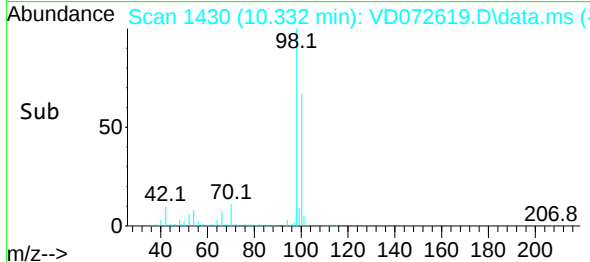
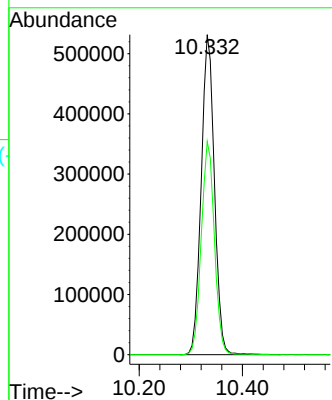
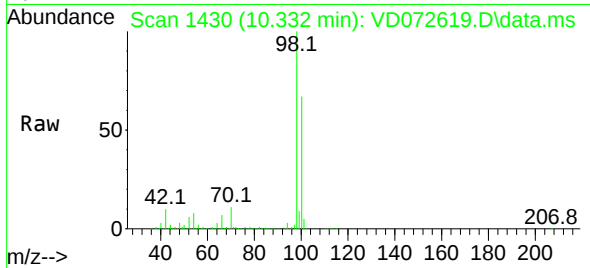




#50
Toluene-d8
Concen: 45.970 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

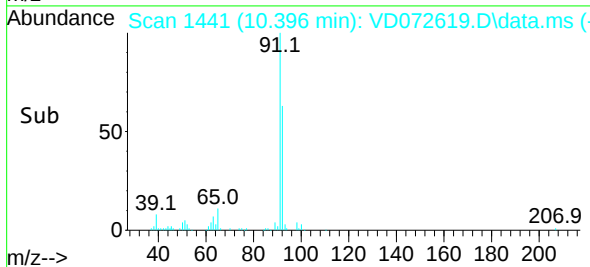
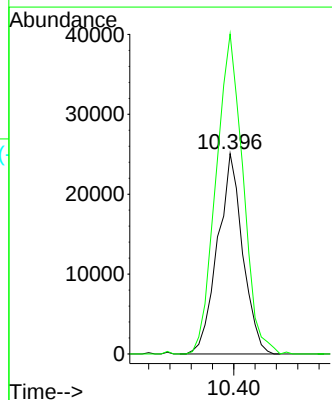
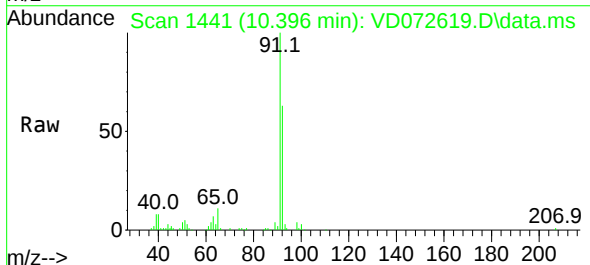
Instrument :
MSVOA_D
ClientSampleId :
296-05

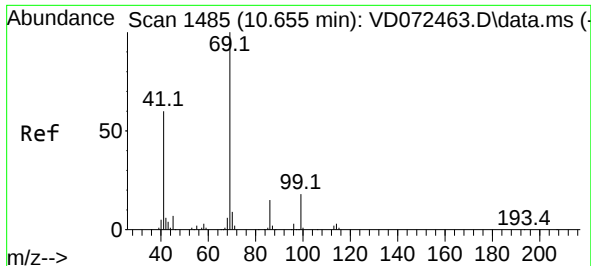
Tgt Ion: 98 Resp: 940326
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#52
Toluene
Concen: 3.000 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Tgt Ion: 92 Resp: 40956
Ion Ratio Lower Upper
92 100
91 172.1 139.6 209.4

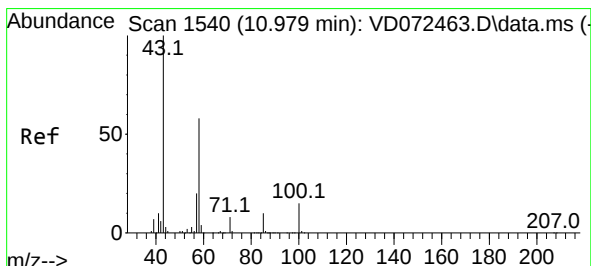
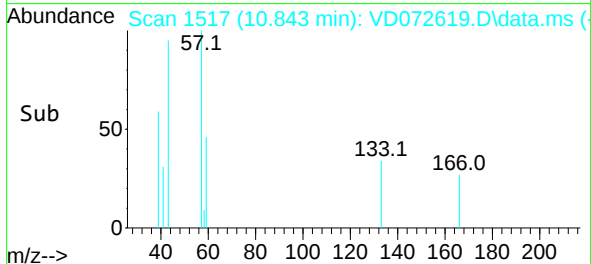
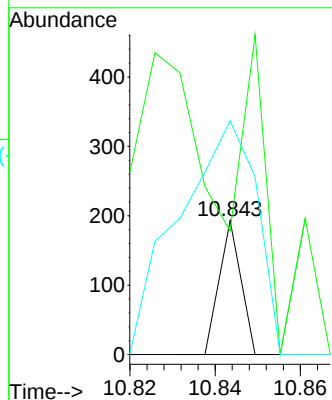
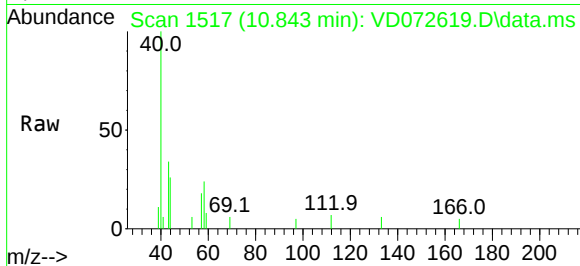




#56
Ethyl methacrylate
Concen: 1.203 ug/l
RT: 10.843 min Scan# 11
Delta R.T. 0.188 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

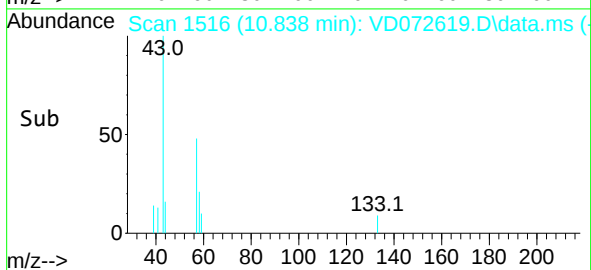
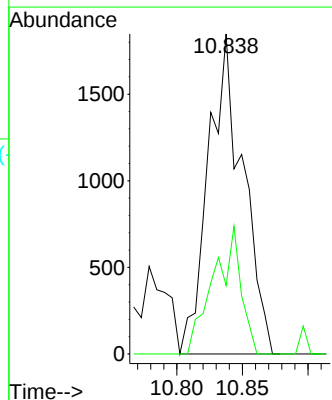
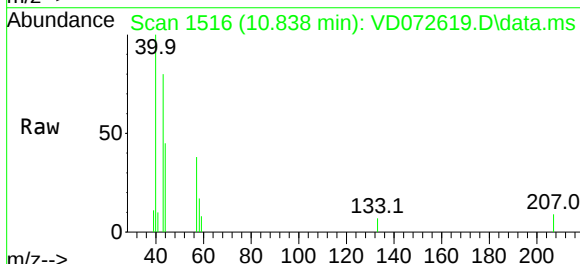
Instrument :
MSVOA_D
ClientSampleId :
296-05

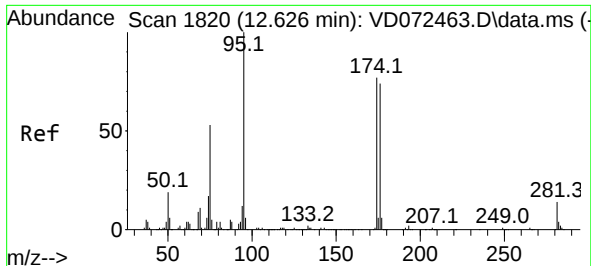
Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 791.2 63.0 94.6#
39 630.9 33.8 50.8#



#59
2-Hexanone
Concen: 1.547 ug/l
RT: 10.838 min Scan# 1516
Delta R.T. -0.141 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Tgt Ion: 43 Resp: 3377
Ion Ratio Lower Upper
43 100
58 31.8 25.3 75.9

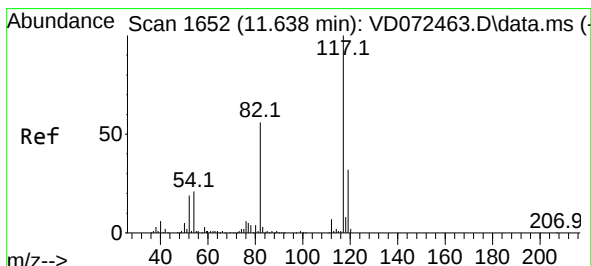
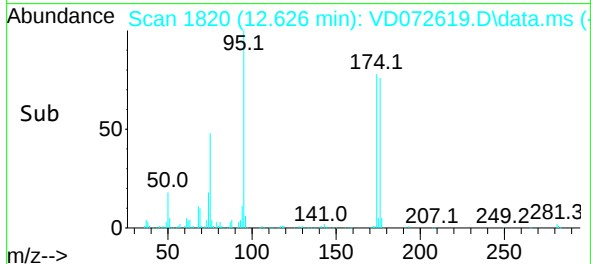
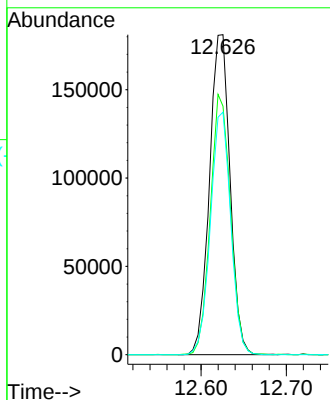
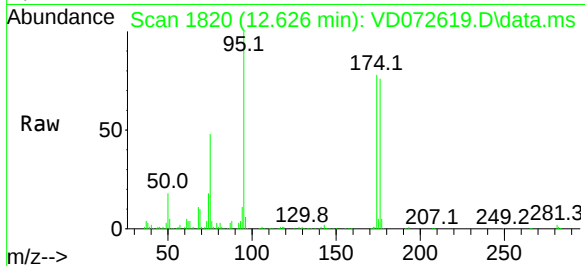




#62
4-Bromofluorobenzene
Concen: 38.229 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

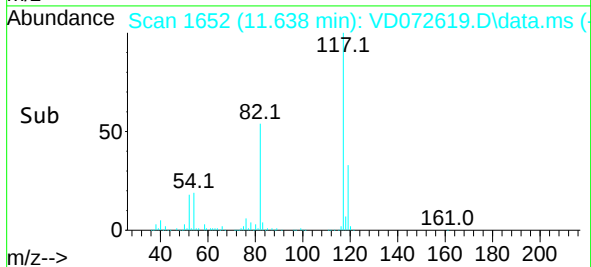
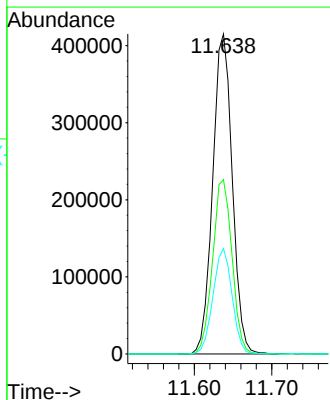
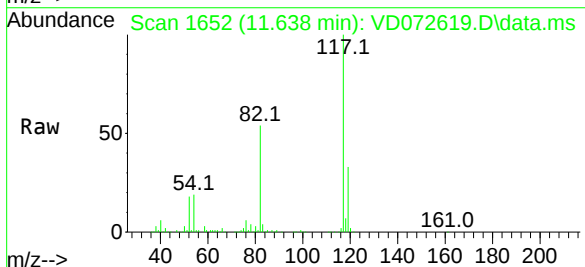
Instrument :
MSVOA_D
ClientSampleId :
296-05

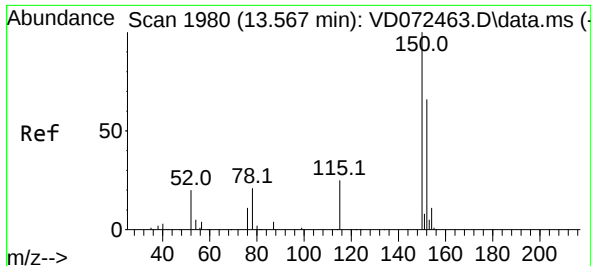
Tgt Ion: 95 Resp: 305403
Ion Ratio Lower Upper
95 100
174 79.4 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072619.D
Acq: 19 Apr 2022 12:32

Tgt Ion: 117 Resp: 730759
Ion Ratio Lower Upper
117 100
82 54.4 45.3 67.9
119 33.0 26.6 40.0

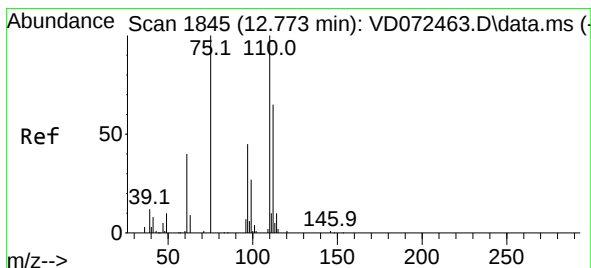
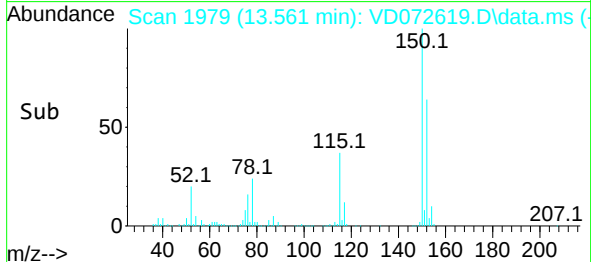
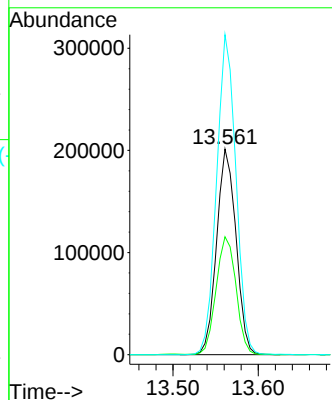
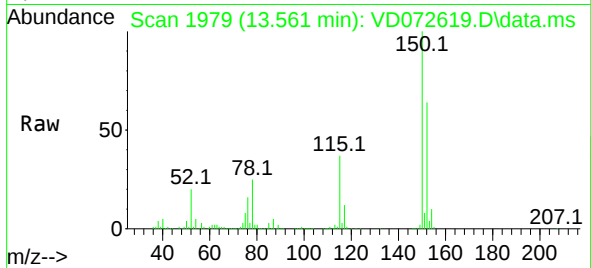




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

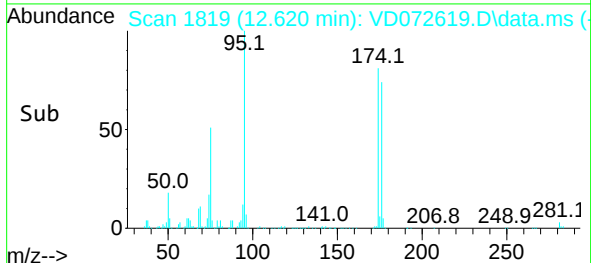
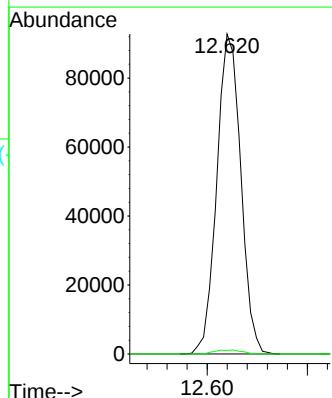
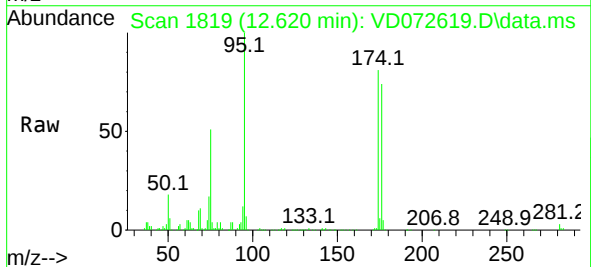
Instrument :
 MSVOA_D
 ClientSampleId :
 296-05

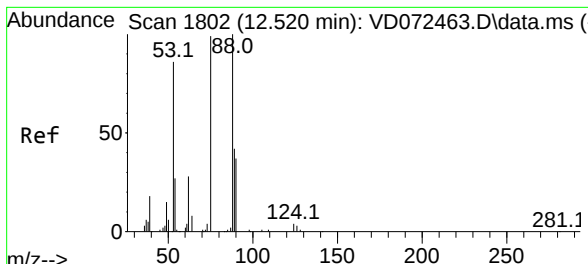
Tgt Ion:152 Resp: 318376
 Ion Ratio Lower Upper
 152 100
 115 59.0 31.3 93.8
 150 155.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.363 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

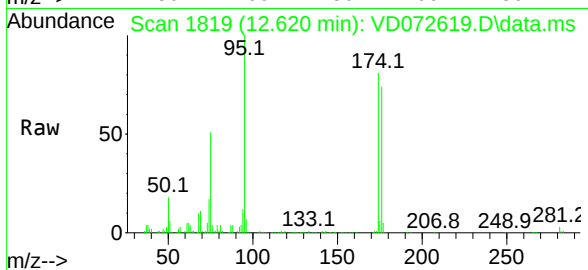
Tgt Ion: 75 Resp: 154045
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.857 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072619.D
 Acq: 19 Apr 2022 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 296-05



Tgt Ion: 75 Resp: 154045
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

