

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072615.D
 Acq On : 19 Apr 2022 10:36
 Operator : VA/SY
 Sample : VD0419SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBL01

Quant Time: Apr 19 16:10:33 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)

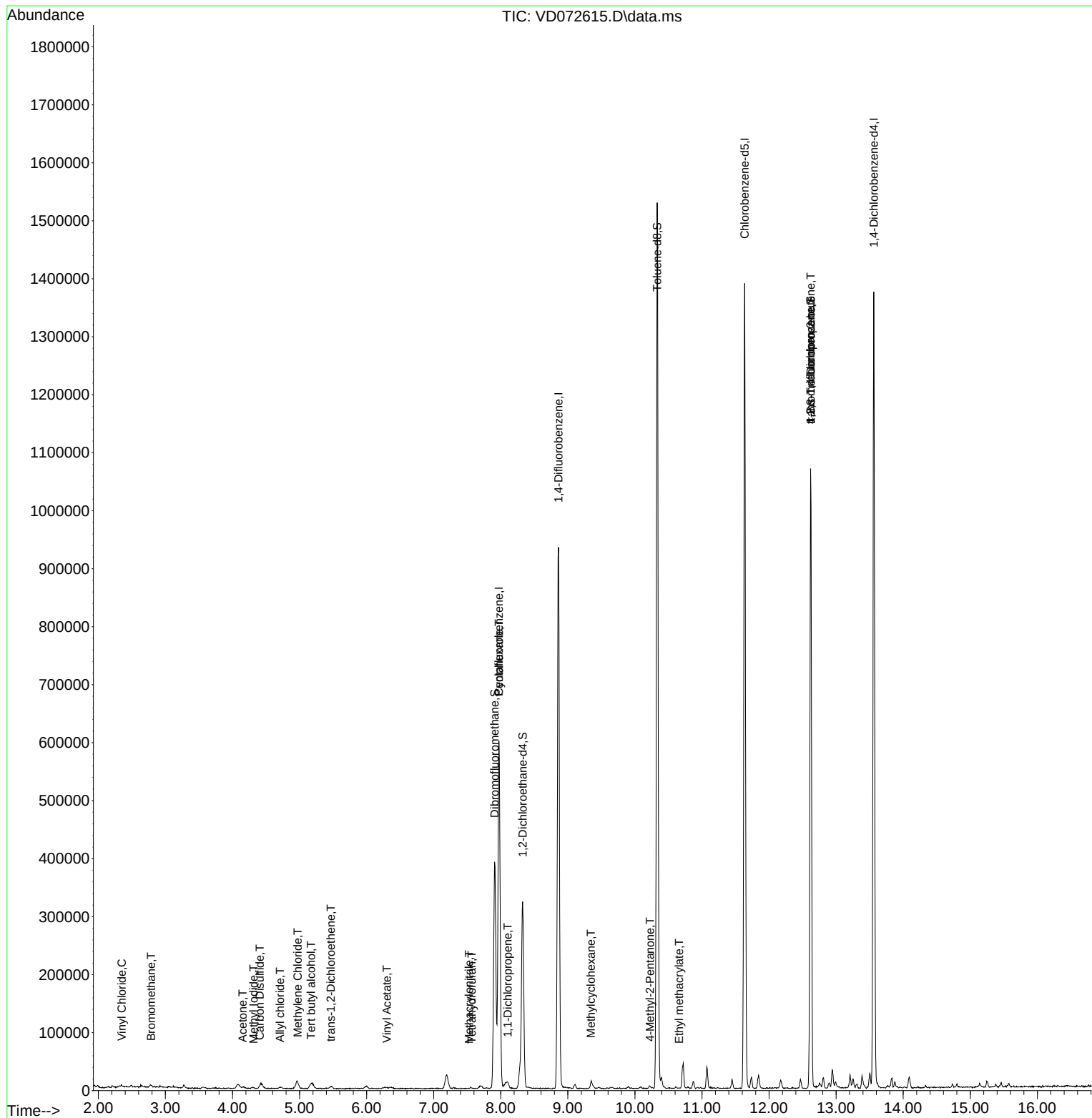
Internal Standards						
1) Pentafluorobenzene	7.973	168	432978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	837591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	806971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	365550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256425	48.957	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.920%		
35) Dibromofluoromethane	7.908	113	280685	43.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.240%		
50) Toluene-d8	10.332	98	1035400	45.760	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.520%		
62) 4-Bromofluorobenzene	12.620	95	357319	40.436	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.880%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	1994	1.486	ug/l	90
5) Bromomethane	2.785	94	2723	1.112	ug/l	91
10) Methyl Iodide	4.314	142	2391	4.208	ug/l #	85
11) Tert butyl alcohol	5.173	59	4475	16.179	ug/l #	74
14) Allyl chloride	4.709	41	2110	1.429	ug/l	88
16) Acetone	4.150	43	1983	2.030	ug/l	99
17) Carbon Disulfide	4.409	76	6760	4.370	ug/l	99
20) Methylene Chloride	4.973	84	10729	1.845	ug/l #	61
21) trans-1,2-Dichloroethene	5.467	96	2309	1.233	ug/l #	62
23) Vinyl Acetate	6.303	43	3104	6.649	ug/l #	71
29) Tetrahydrofuran	7.567	42	881	1.080	ug/l #	43
31) Cyclohexane	7.973	56	12190	1.780	ug/l #	16
36) 1,1-Dichloropropene	8.102	75	3798	1.570	ug/l	94
39) Methylcyclohexane	9.344	83	4496	3.314	ug/l #	87
41) Methacrylonitrile	7.526	41	147	1.729	ug/l #	58
51) 4-Methyl-2-Pentanone	10.226	43	3555	1.001	ug/l	93
56) Ethyl methacrylate	10.661	69	287	1.236	ug/l #	56
76) 1,2,3-Trichloropropane	12.620	75	179135	44.931	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	179135	110.251	ug/l #	7

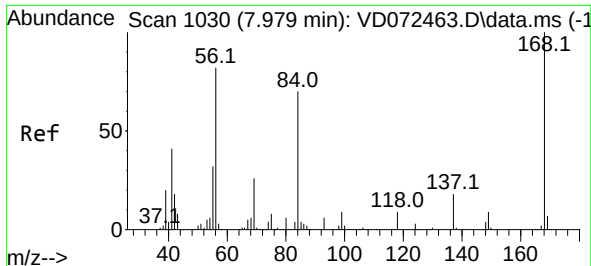
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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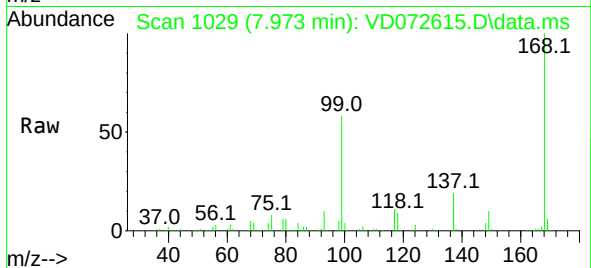
Quant Time: Apr 19 16:10:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration



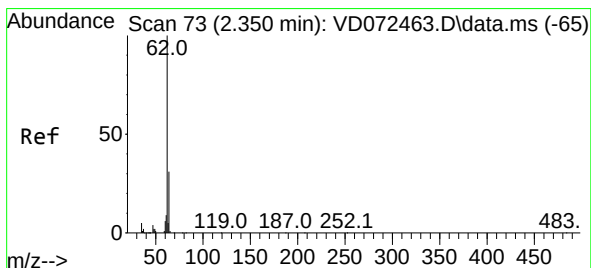
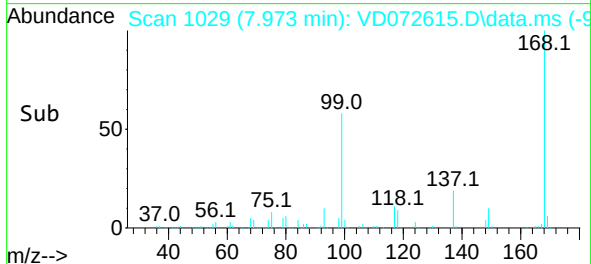
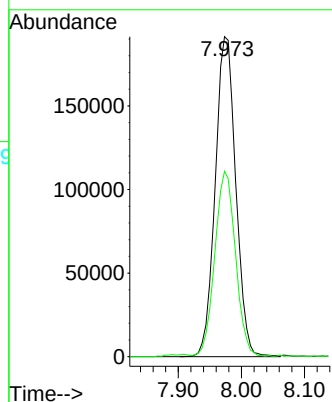


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

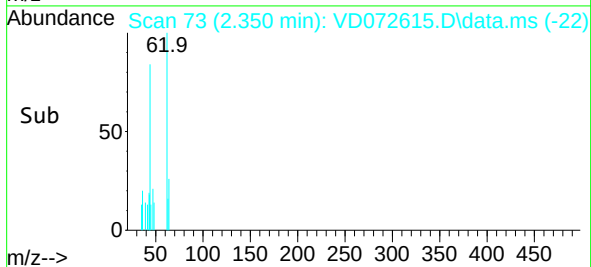
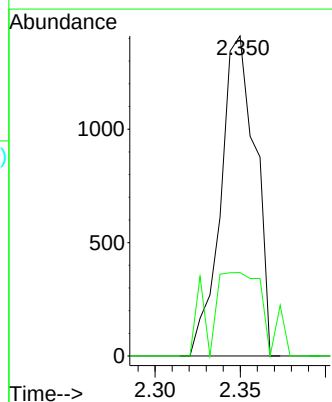
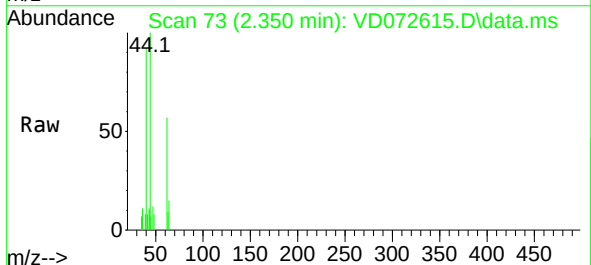


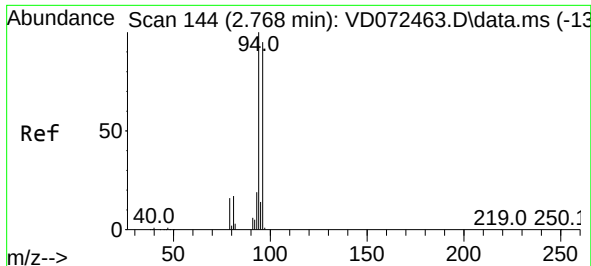
Tgt Ion:168 Resp: 432978
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#4
Vinyl Chloride
Concen: 1.486 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 62 Resp: 1994
Ion Ratio Lower Upper
62 100
64 26.1 25.4 38.0

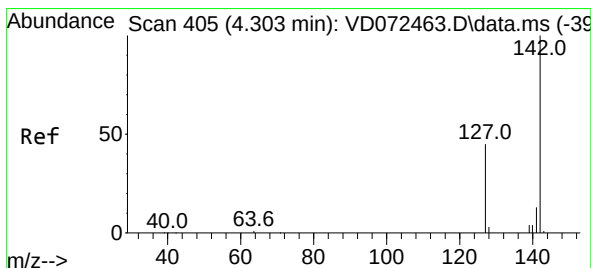
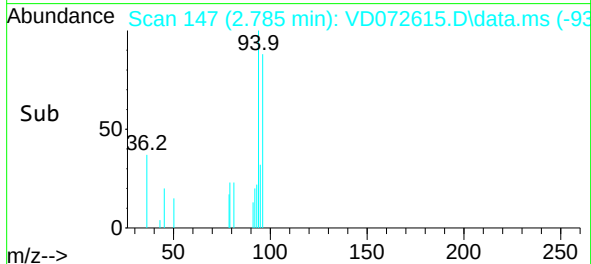
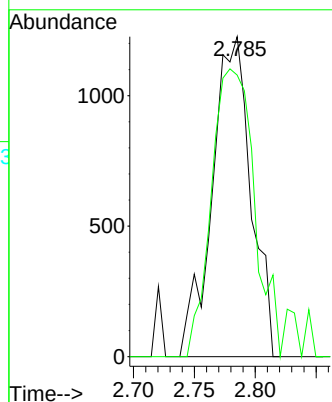
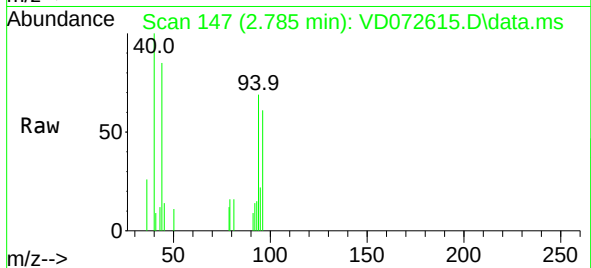




#5
Bromomethane
Concen: 1.112 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

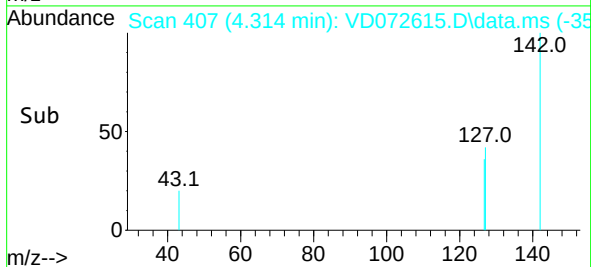
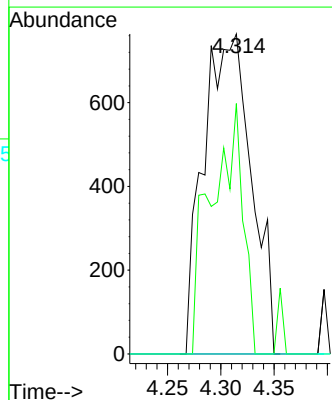
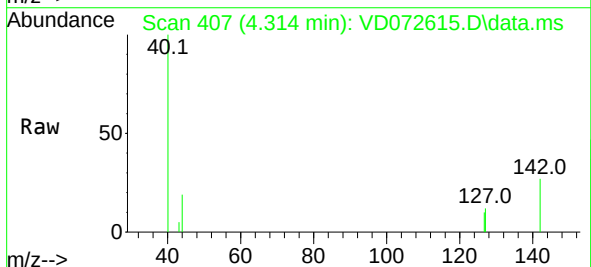
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

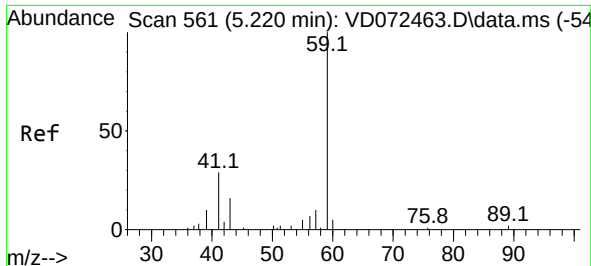
Tgt Ion: 94 Resp: 2723
Ion Ratio Lower Upper
94 100
96 88.0 77.6 116.4



#10
Methyl Iodide
Concen: 4.208 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 142 Resp: 2391
Ion Ratio Lower Upper
142 100
127 51.9 37.3 55.9
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 16.179 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.047 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

Instrument :

MSVOA_D

ClientSampleId :

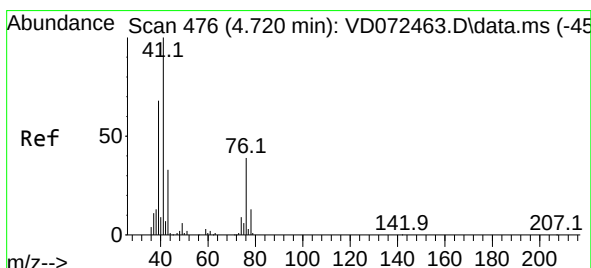
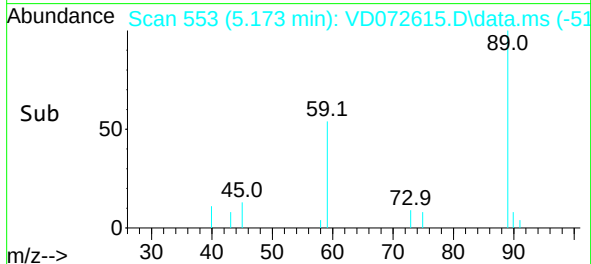
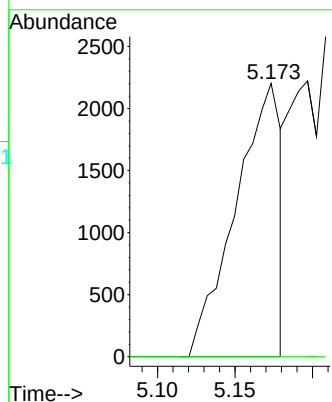
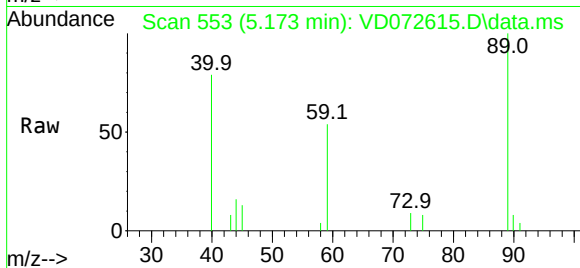
VD0419SBL01

Tgt Ion: 59 Resp: 4475

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.429 ug/l

RT: 4.709 min Scan# 474

Delta R.T. -0.011 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

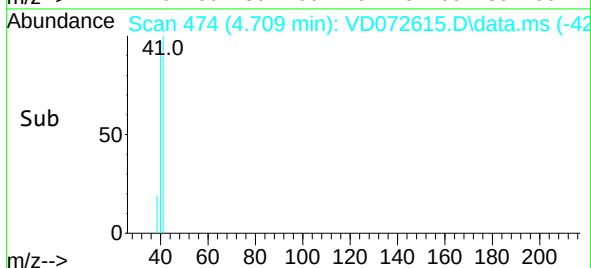
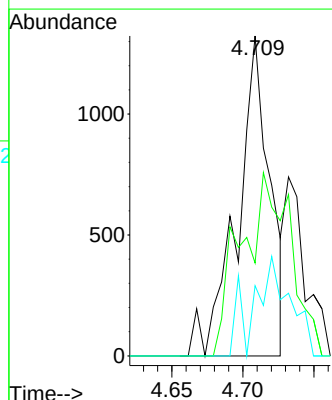
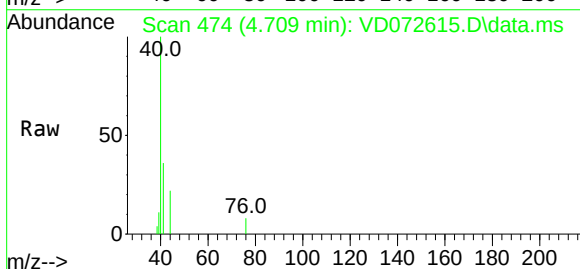
Tgt Ion: 41 Resp: 2110

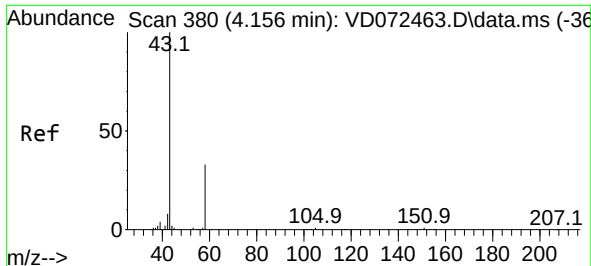
Ion Ratio Lower Upper

41 100

39 87.1 59.3 88.9

76 29.3 25.7 38.5

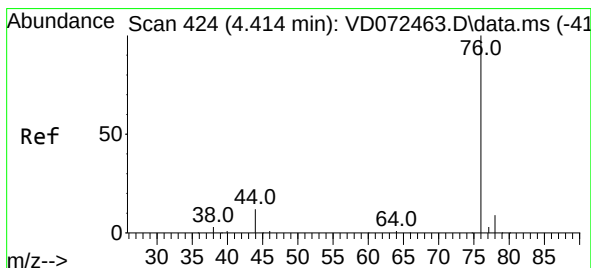
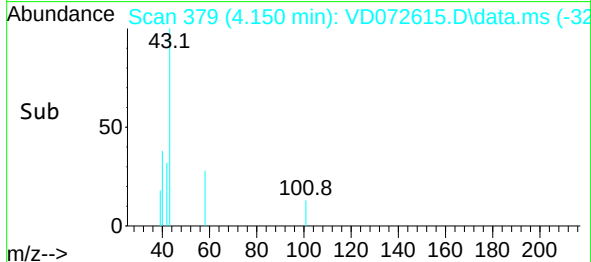
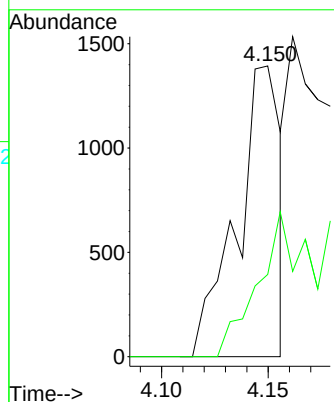
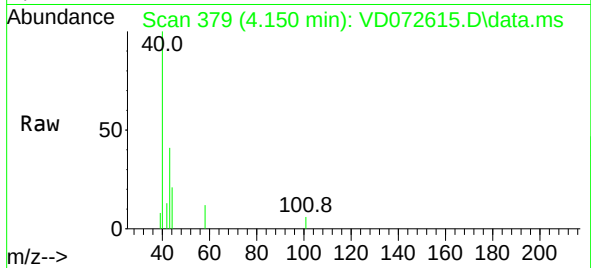




#16
Acetone
Concen: 2.030 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

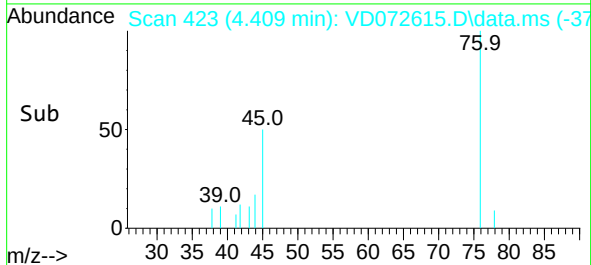
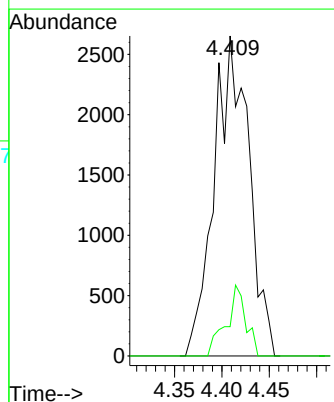
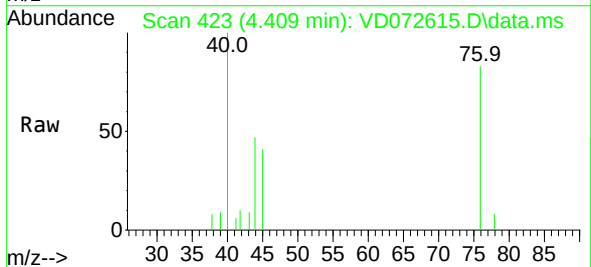
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

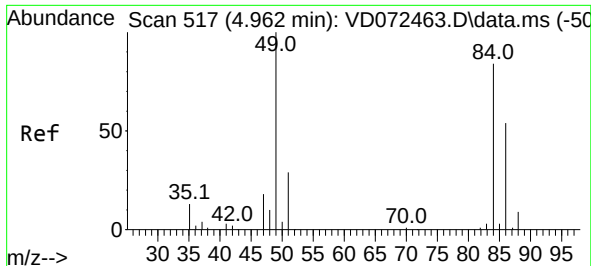
Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1



#17
Carbon Disulfide
Concen: 4.370 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 76 Resp: 6760
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3





#20

Methylene Chloride

Concen: 1.845 ug/l

RT: 4.973 min Scan# 517

Delta R.T. 0.012 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBL01

Tgt Ion: 84 Resp: 10729

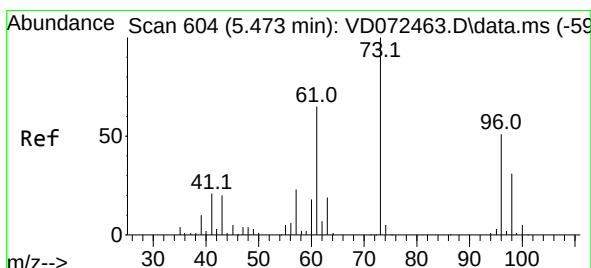
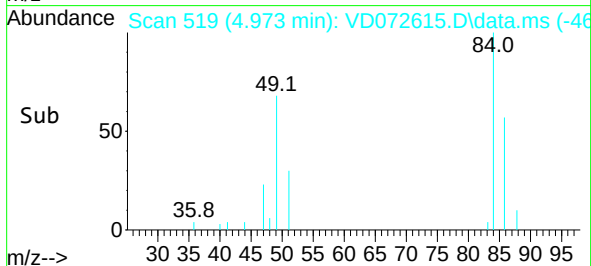
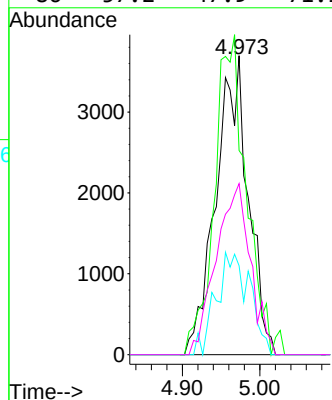
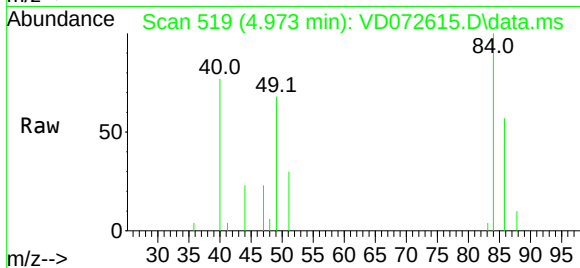
Ion Ratio Lower Upper

84 100

49 68.3 112.8 169.2#

51 29.7 32.6 48.8#

86 57.2 47.9 71.9



#21

trans-1,2-Dichloroethene

Concen: 1.233 ug/l

RT: 5.467 min Scan# 603

Delta R.T. -0.006 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

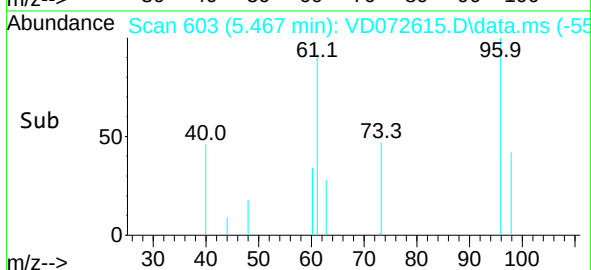
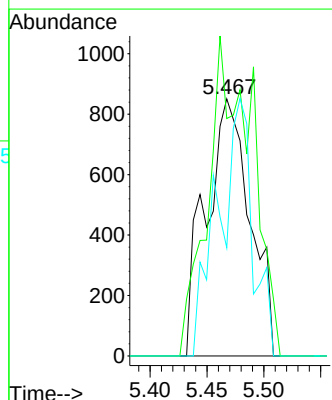
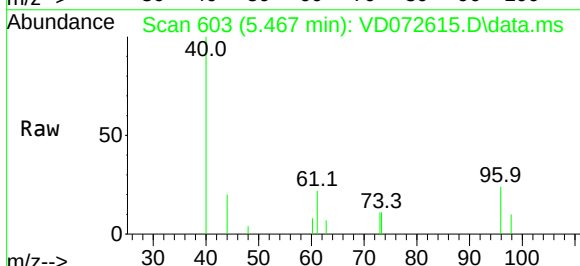
Tgt Ion: 96 Resp: 2309

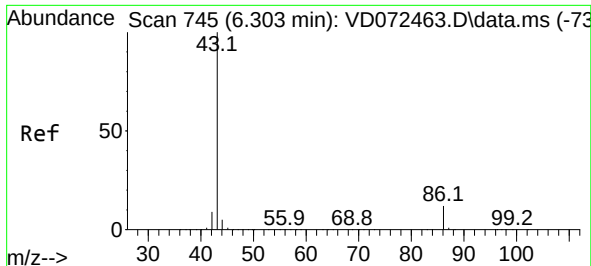
Ion Ratio Lower Upper

96 100

61 92.4 117.9 176.9#

98 42.1 49.4 74.2#

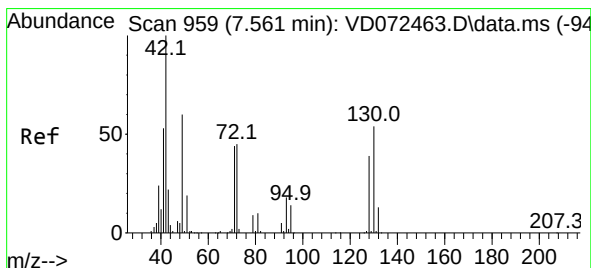
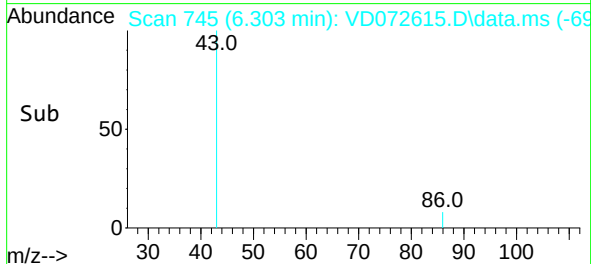
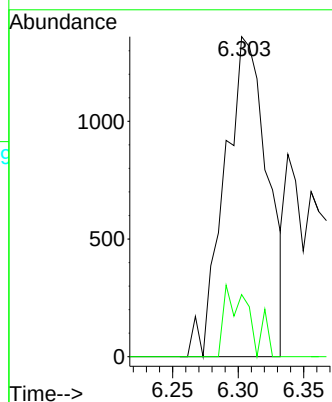
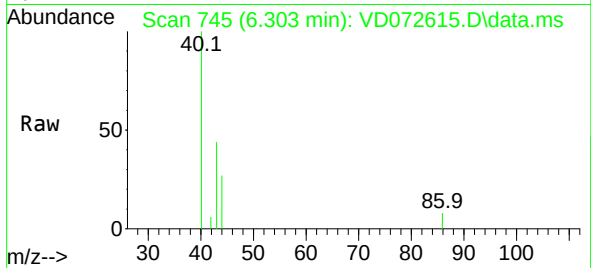




#23
 Vinyl Acetate
 Concen: 6.649 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072615.D
 Acq: 19 Apr 2022 10:36

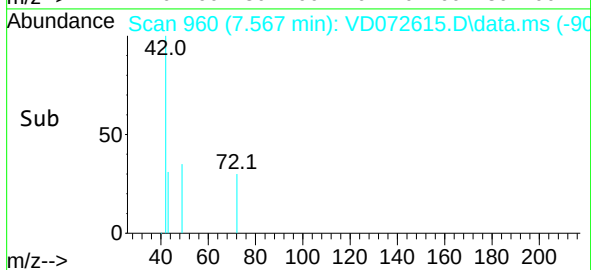
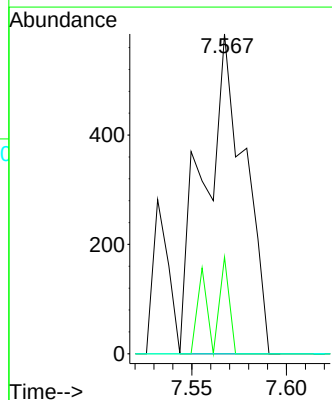
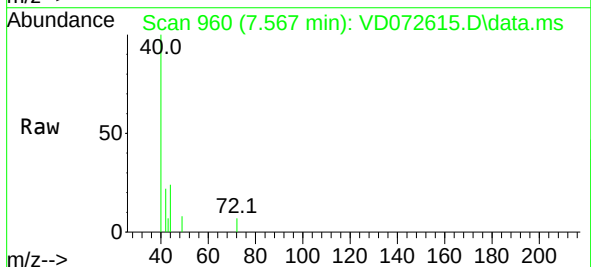
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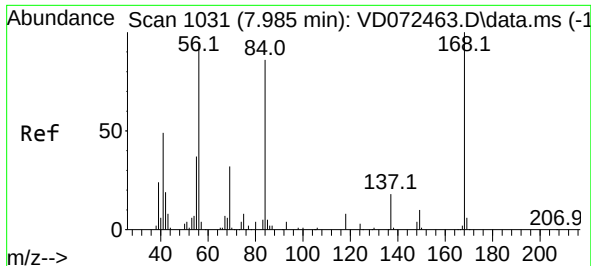
Tgt Ion: 43 Resp: 3104
 Ion Ratio Lower Upper
 43 100
 86 19.4 7.1 10.7#



#29
 Tetrahydrofuran
 Concen: 1.080 ug/l
 RT: 7.567 min Scan# 960
 Delta R.T. 0.006 min
 Lab File: VD072615.D
 Acq: 19 Apr 2022 10:36

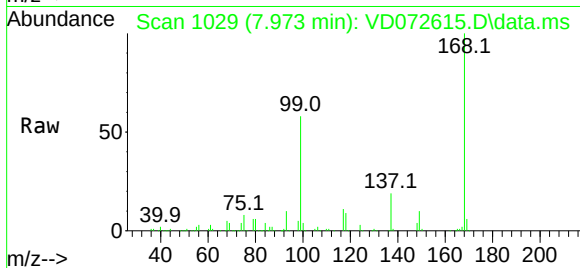
Tgt Ion: 42 Resp: 881
 Ion Ratio Lower Upper
 42 100
 72 6.2 30.7 46.1#
 71 0.0 28.6 43.0#



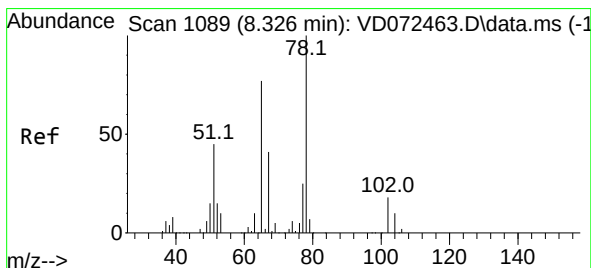
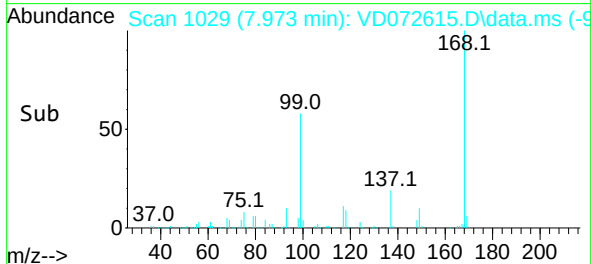
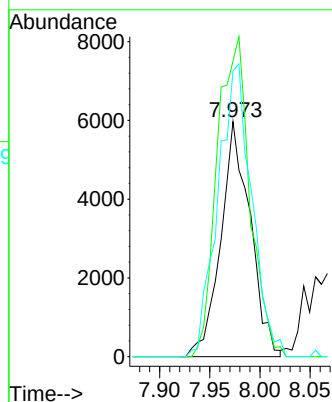


#31
Cyclohexane
Concen: 1.780 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

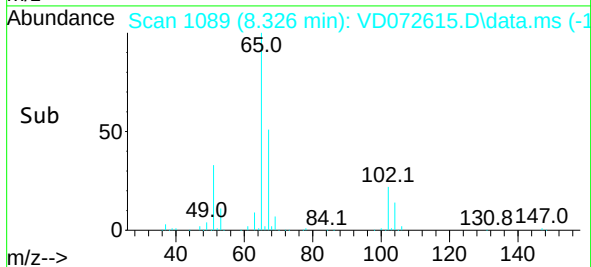
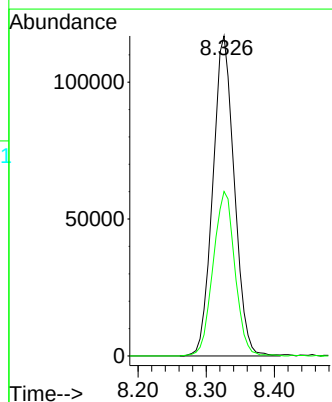
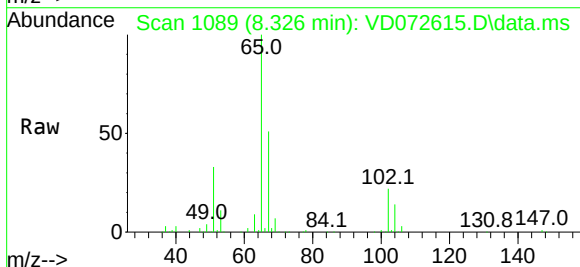


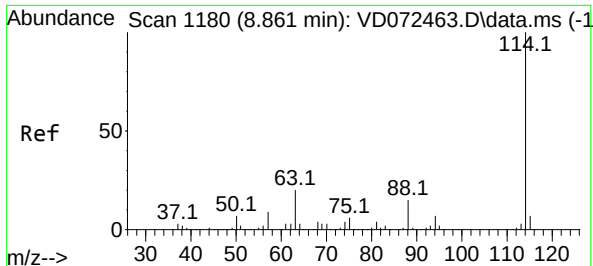
Tgt Ion: 56 Resp: 12190
Ion Ratio Lower Upper
56 100
69 125.7 25.4 38.2#
84 121.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 48.957 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 65 Resp: 256425
Ion Ratio Lower Upper
65 100
67 52.2 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: VD072615.D

Acq: 19 Apr 2022 10:36

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBL01

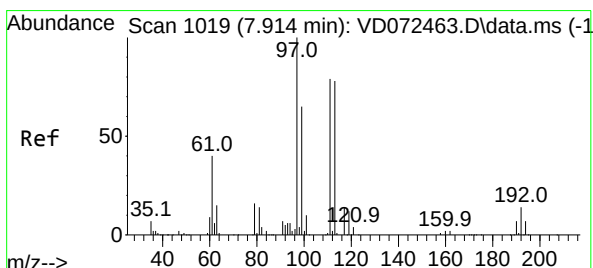
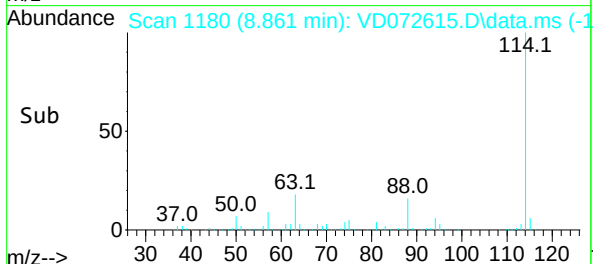
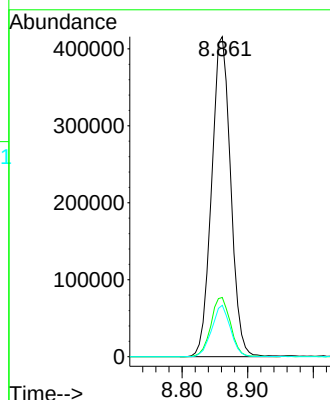
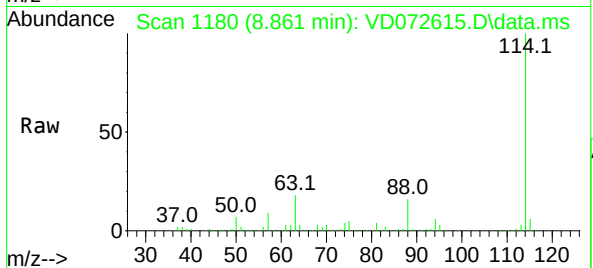
Tgt Ion:114 Resp: 837591

Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.121 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

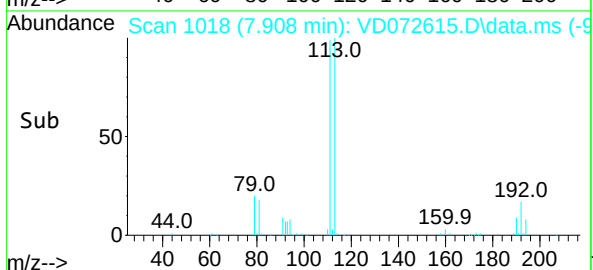
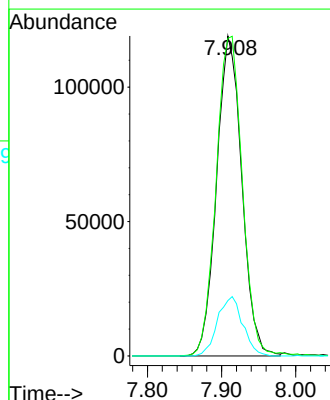
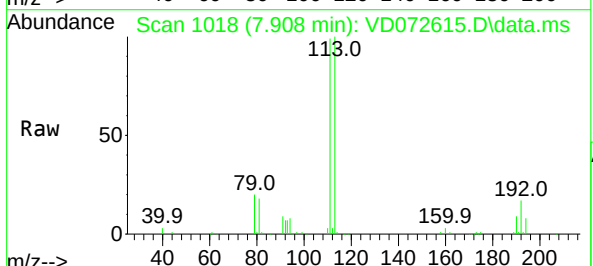
Tgt Ion:113 Resp: 280685

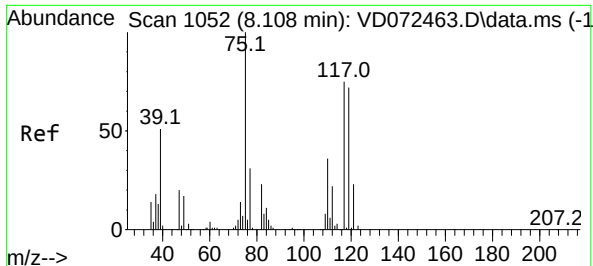
Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.570 ug/l

RT: 8.102 min Scan# 1051

Delta R.T. -0.006 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBL01

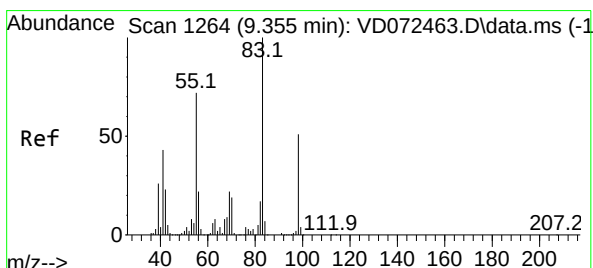
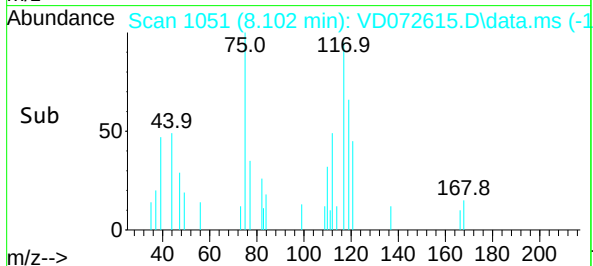
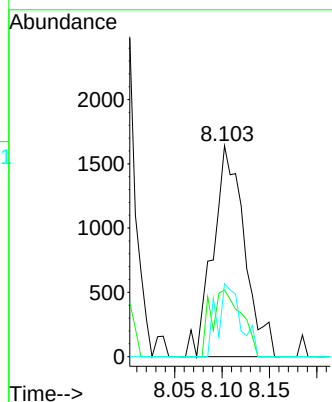
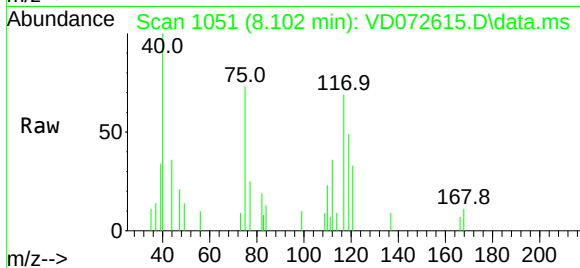
Tgt Ion: 75 Resp: 3798

Ion Ratio Lower Upper

75 100

110 30.5 16.4 49.1

77 25.9 24.2 36.2



#39

Methylcyclohexane

Concen: 3.314 ug/l

RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD072615.D

Acq: 19 Apr 2022 10:36

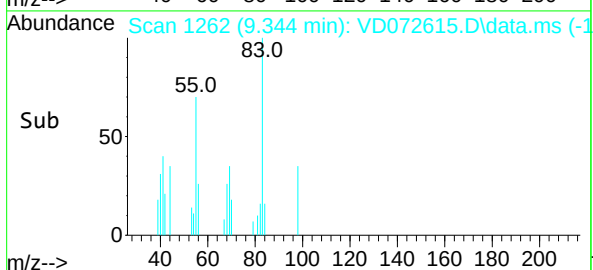
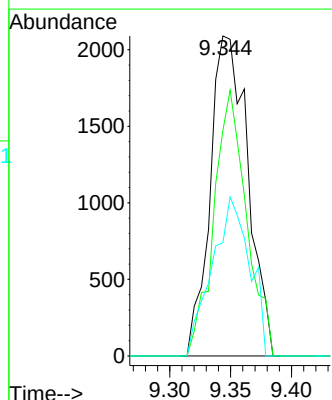
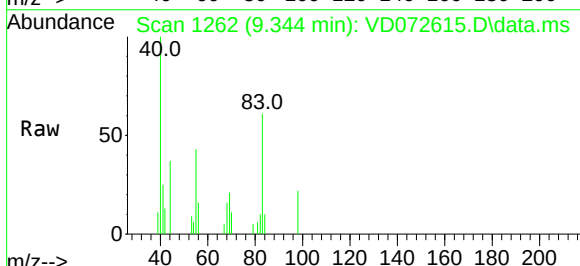
Tgt Ion: 83 Resp: 4496

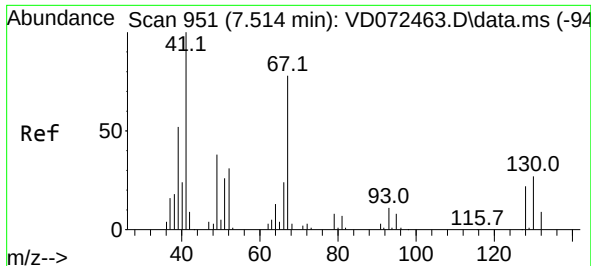
Ion Ratio Lower Upper

83 100

55 70.5 63.2 94.8

98 35.5 38.2 57.4#

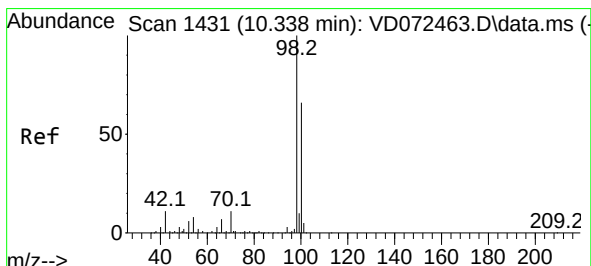
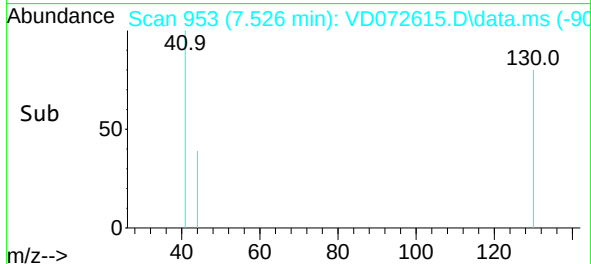
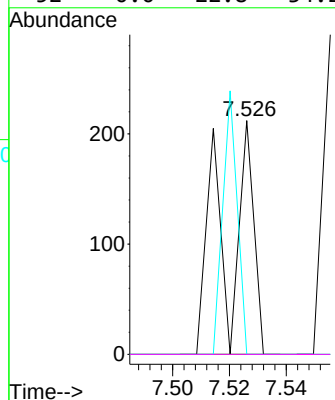
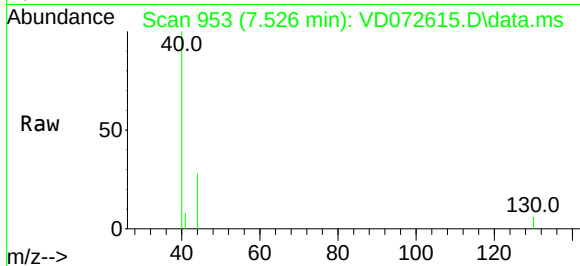




#41
Methacrylonitrile
Concen: 1.729 ug/l
RT: 7.526 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

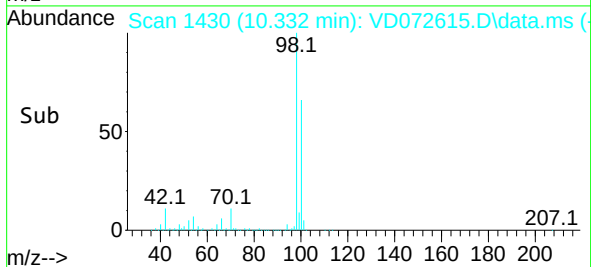
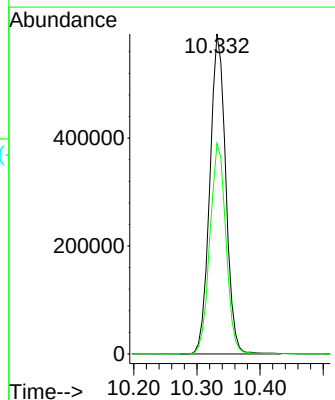
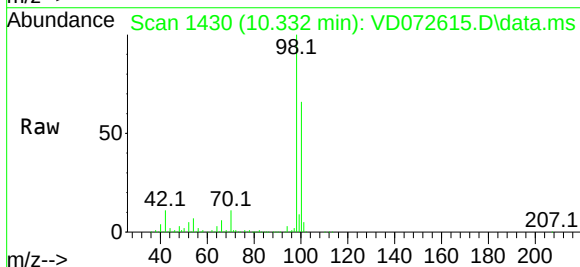
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

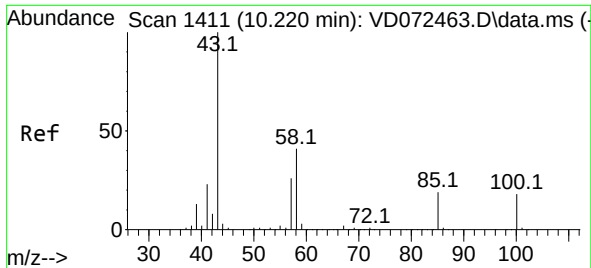
Tgt Ion: 41	Resp: 147
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 57.1	48.2 72.4
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 45.760 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 98	Resp: 1035400
Ion Ratio	Lower Upper
98 100	
100 66.4	52.4 78.6

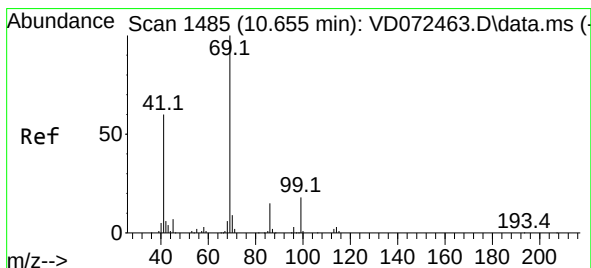
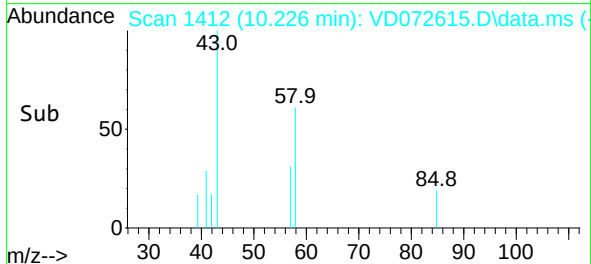
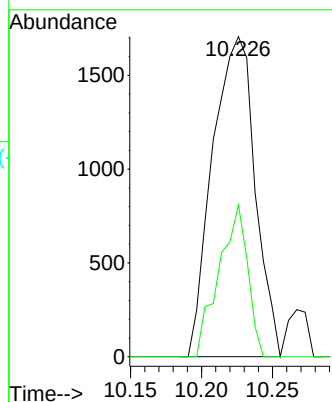
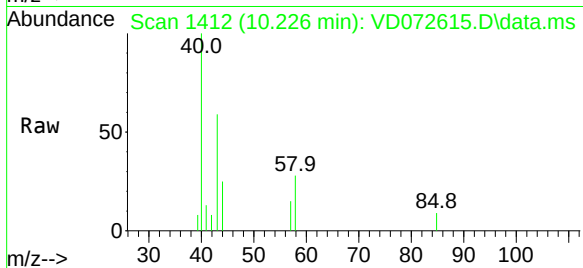




#51
4-Methyl-2-Pentanone
Concen: 1.001 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

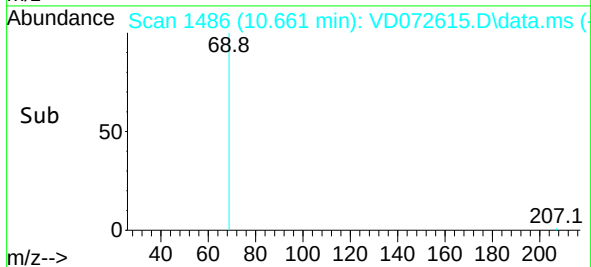
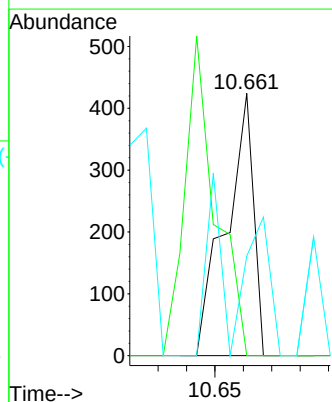
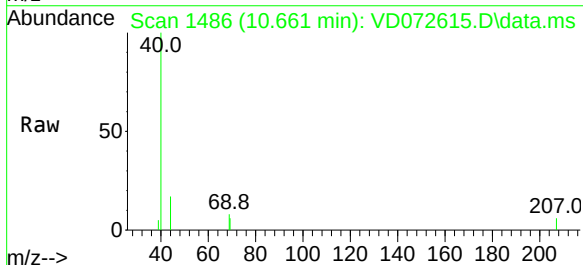
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

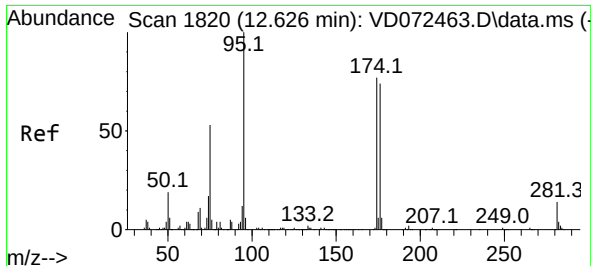
Tgt Ion: 43 Resp: 3555
Ion Ratio Lower Upper
43 100
58 31.9 28.6 43.0



#56
Ethyl methacrylate
Concen: 1.236 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 69 Resp: 287
Ion Ratio Lower Upper
69 100
41 134.1 63.0 94.6#
39 36.2 33.8 50.8

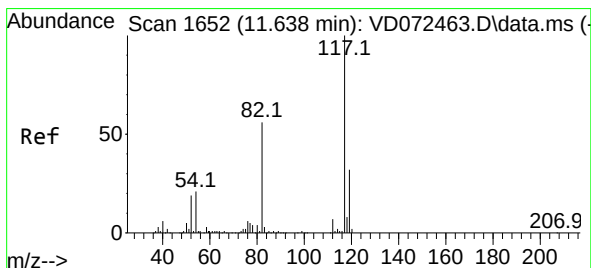
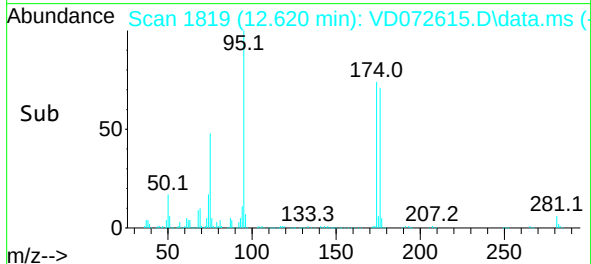
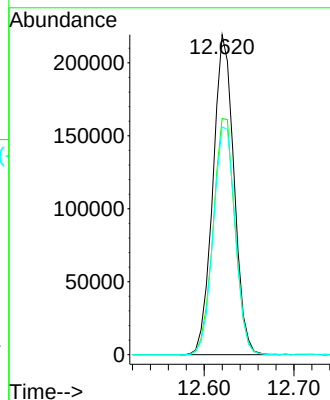
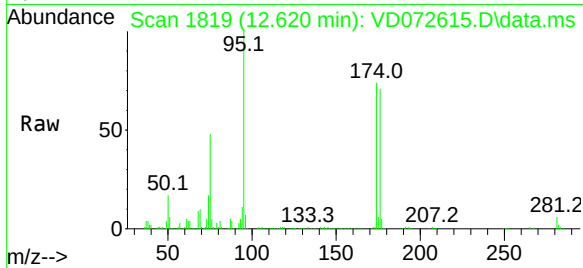




#62
4-Bromofluorobenzene
Concen: 40.436 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

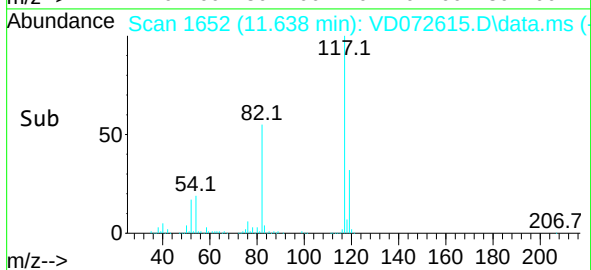
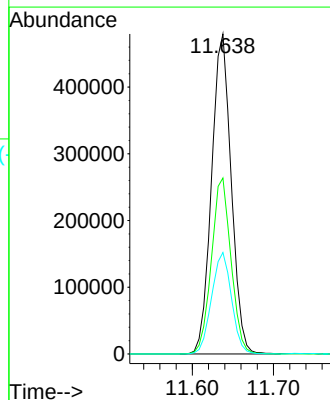
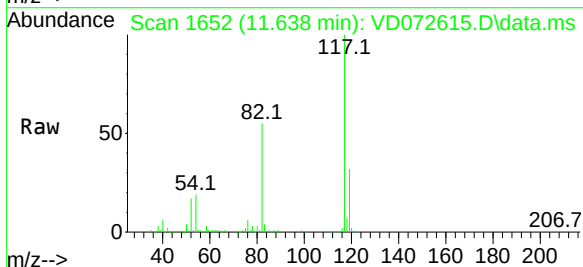
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBL01

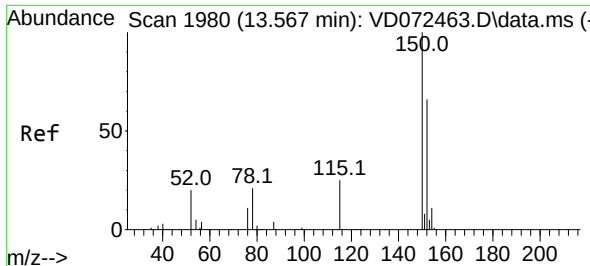
Tgt Ion: 95 Resp: 357319
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 74.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072615.D
Acq: 19 Apr 2022 10:36

Tgt Ion: 117 Resp: 806971
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 31.7 26.6 40.0

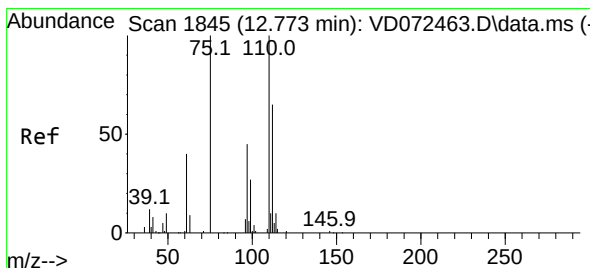
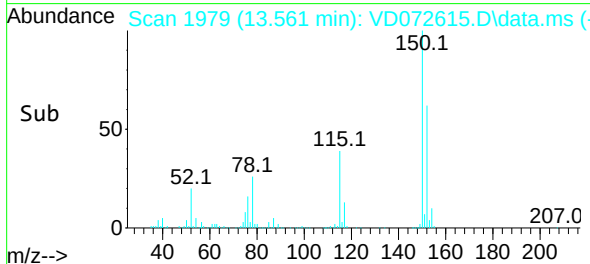
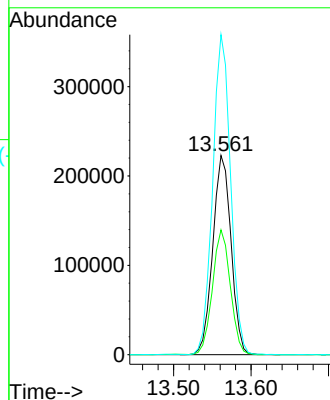
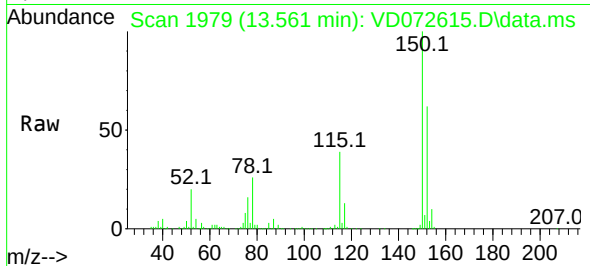




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072615.D
 Acq: 19 Apr 2022 10:36

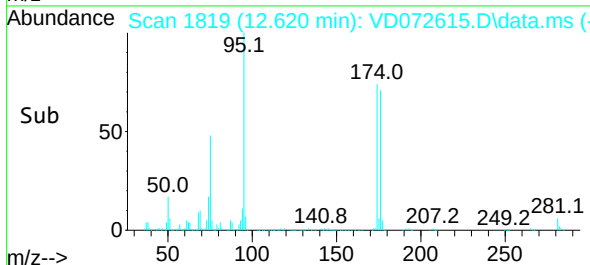
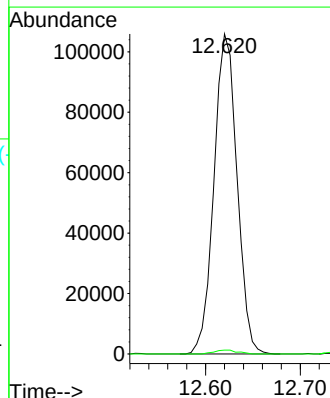
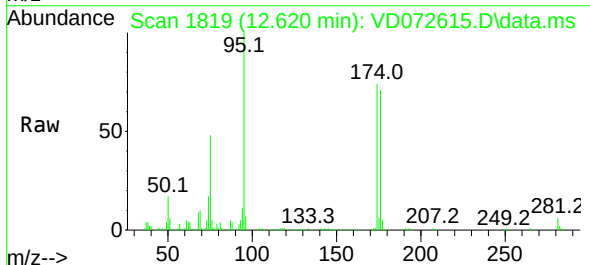
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBL01

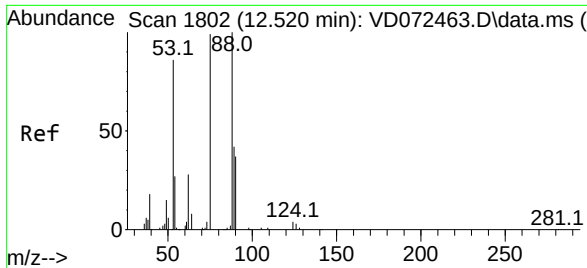
Tgt Ion:152 Resp: 365550
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.3 93.8
 150 157.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.931 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072615.D
 Acq: 19 Apr 2022 10:36

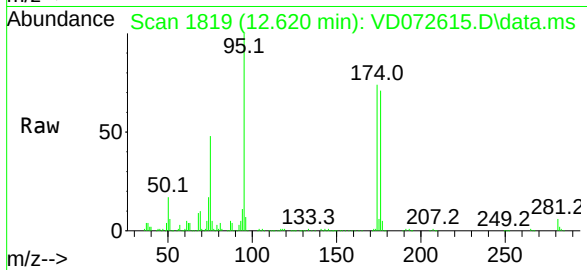
Tgt Ion: 75 Resp: 179135
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.251 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072615.D
 Acq: 19 Apr 2022 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBL01



Tgt Ion: 75 Resp: 179135
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.2 33.9 50.9#

