

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010522\
 Data File : VD071617.D
 Acq On : 05 Jan 2022 16:38
 Operator : VA/SY
 Sample : N1016-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 07:04:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

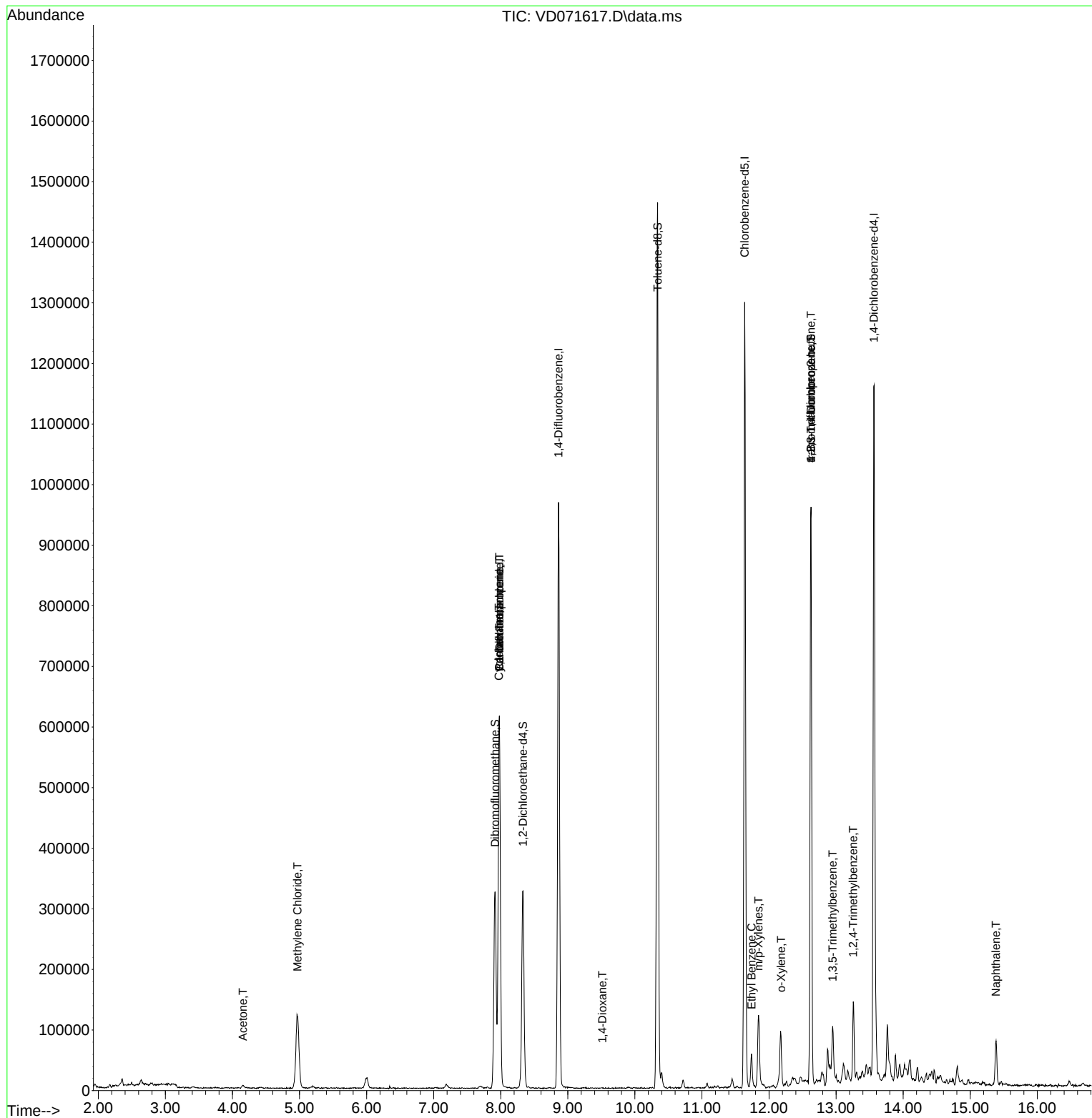
Internal Standards						
1) Pentafluorobenzene	7.979	168	431049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	756745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	655458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	261171	45.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.240%		
35) Dibromofluoromethane	7.914	113	231819	45.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.160%		
50) Toluene-d8	10.338	98	942014	49.013	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.626	95	297684	43.586	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.180%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.197	59	2933	Below Cal	#	71
16) Acetone	4.156	43	8317	5.784	ug/l #	88
20) Methylene Chloride	4.967	84	87527	10.812	ug/l	90
31) Cyclohexane	7.973	56	13185	1.356	ug/l #	22
36) 1,1-Dichloropropene	7.979	75	41006	5.047	ug/l #	48
38) Carbon Tetrachloride	7.979	117	47831	5.967	ug/l #	16
49) 1,4-Dioxane	9.514	88	55	1.554	ug/l #	7
67) Ethyl Benzene	11.738	91	34744	1.389	ug/l	98
68) m/p-Xylenes	11.844	106	34328	3.611	ug/l	96
69) o-Xylene	12.179	106	21765	2.505	ug/l	94
76) 1,2,3-Trichloropropane	12.626	75	171383	51.726	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	32147	1.813	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	171383	146.154	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	70136	3.996	ug/l	100
95) Naphthalene	15.385	128	59478	6.271	ug/l	97

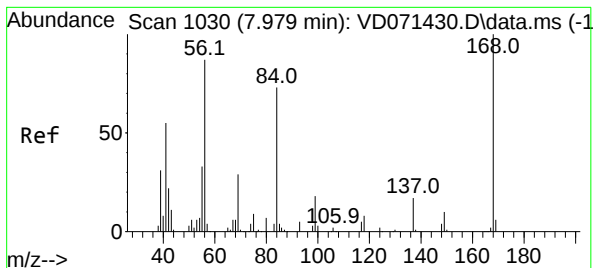
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jan 06 07:04:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration

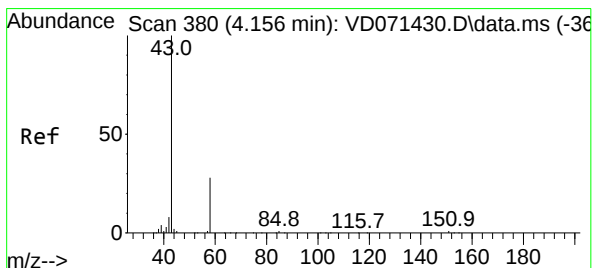
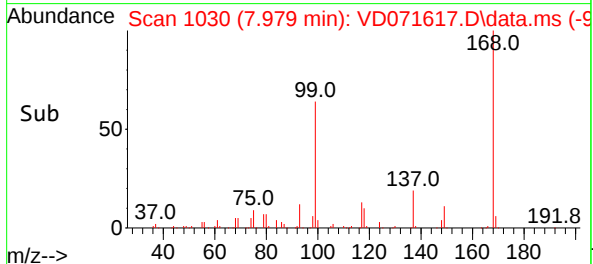
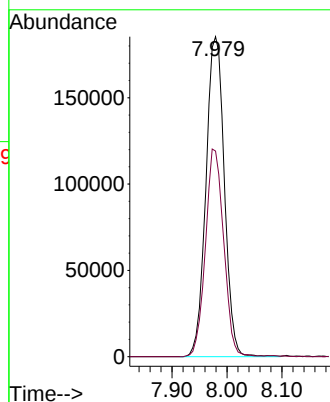
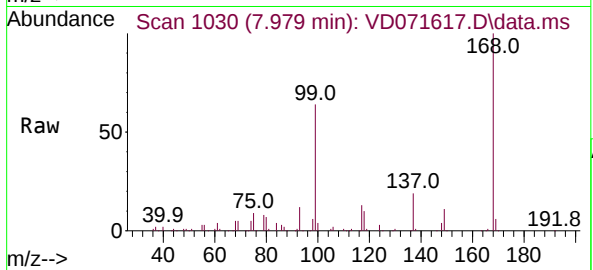




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

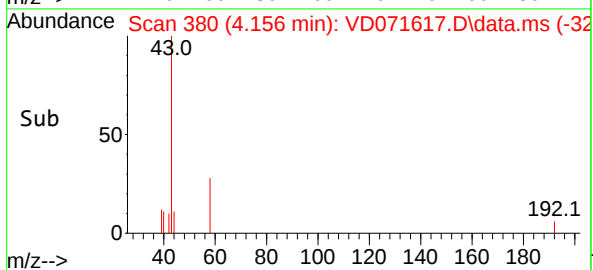
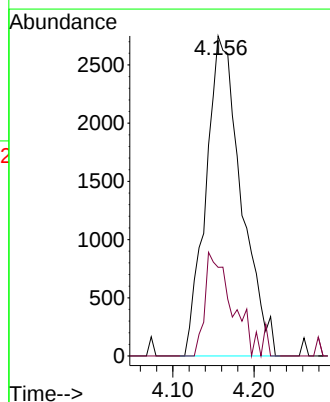
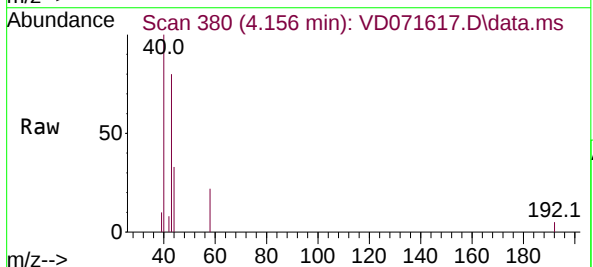
Instrument :
MSVOA_D
ClientSampleId :

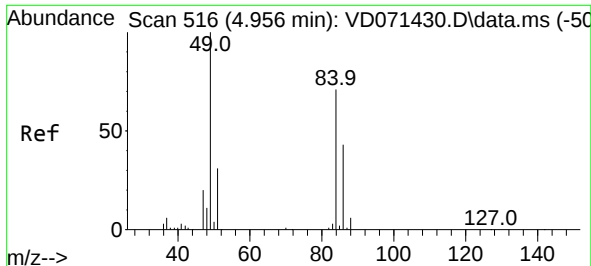
Tgt Ion:168 Resp: 431049
Ion Ratio Lower Upper
168 100
99 64.2 46.6 69.8



#16
Acetone
Concen: 5.784 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

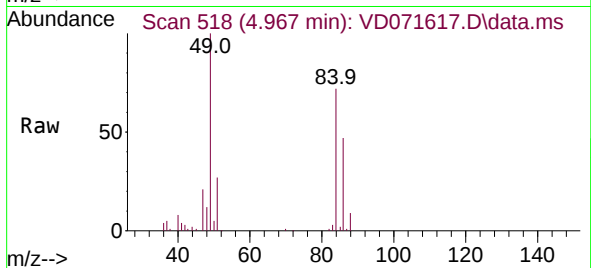
Tgt Ion: 43 Resp: 8317
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#



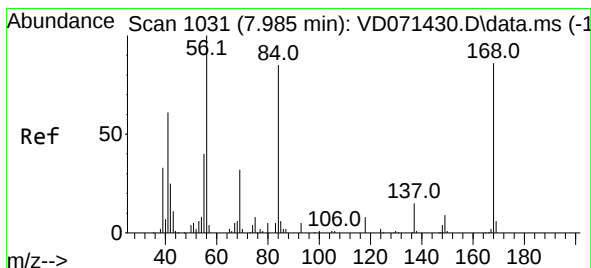
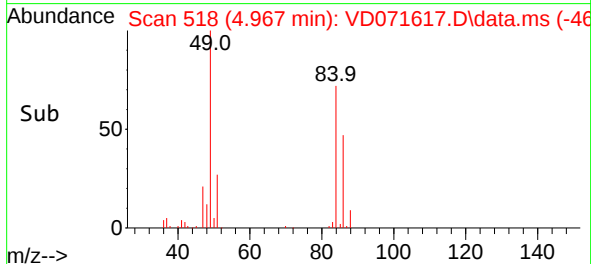
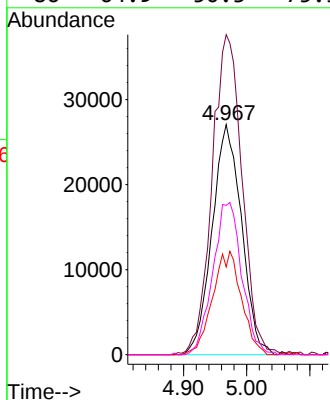


#20
Methylene Chloride
Concen: 10.812 ug/l
RT: 4.967 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

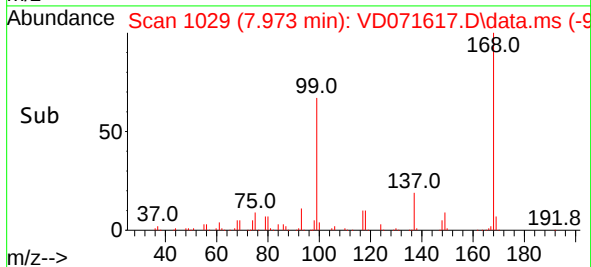
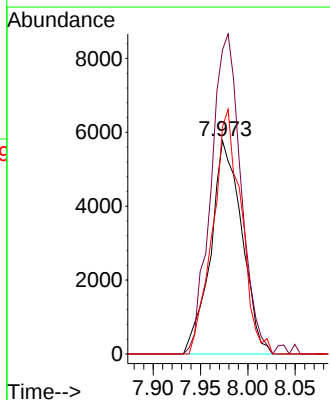
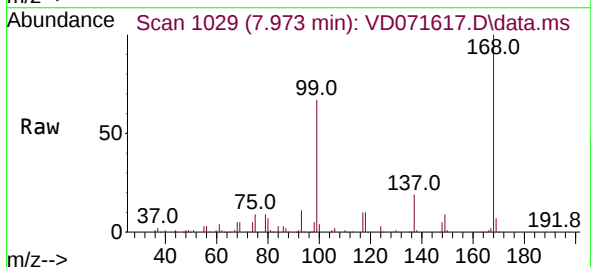


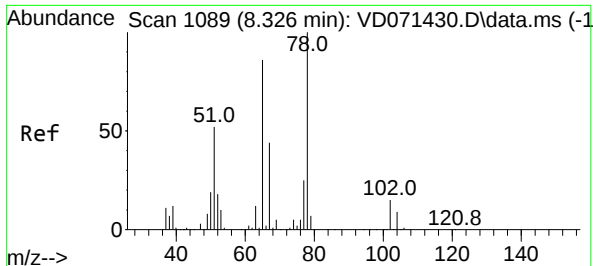
Tgt Ion:	84	Resp:	87527
Ion	Ratio	Lower	Upper
84	100		
49	138.2	95.8	143.6
51	38.2	30.9	46.3
86	64.9	50.3	75.5



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Tgt Ion:	56	Resp:	13185
Ion	Ratio	Lower	Upper
56	100		
69	142.7	25.9	38.9#
84	106.7	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 45.622 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071617.D

Acq: 05 Jan 2022 16:38

Instrument :

MSVOA_D

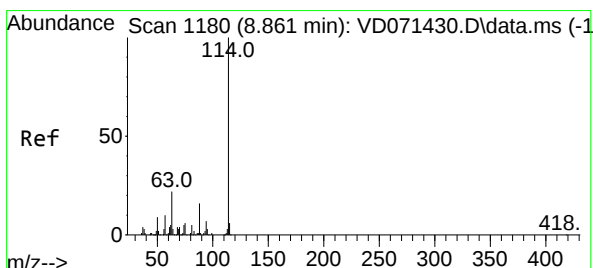
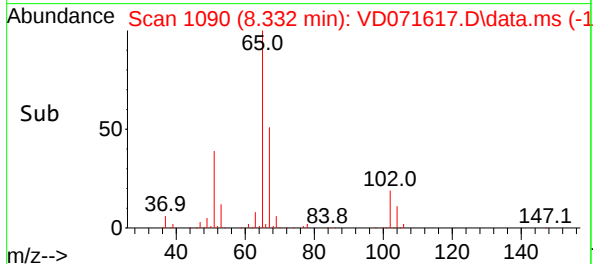
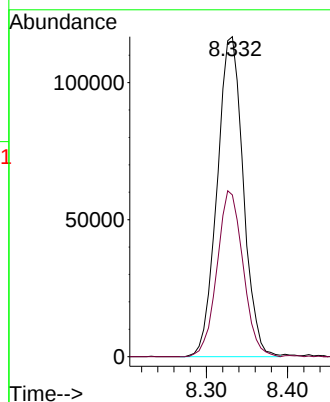
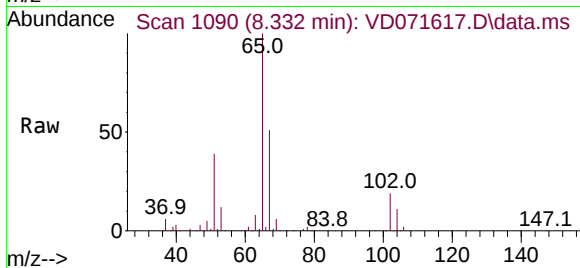
ClientSampleId :

Tgt Ion: 65 Resp: 261171

Ion Ratio Lower Upper

65 100

67 51.7 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071617.D

Acq: 05 Jan 2022 16:38

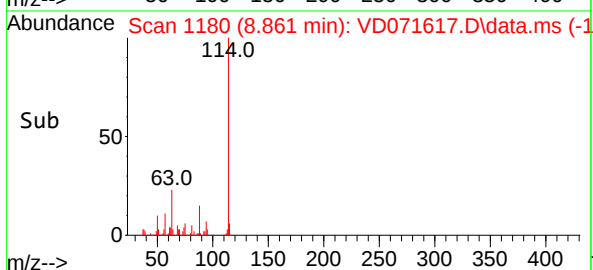
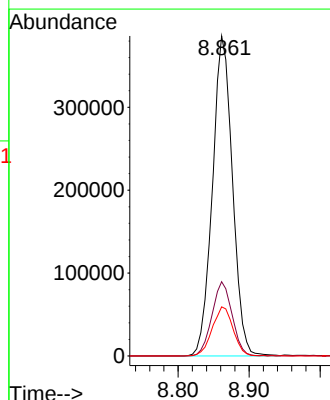
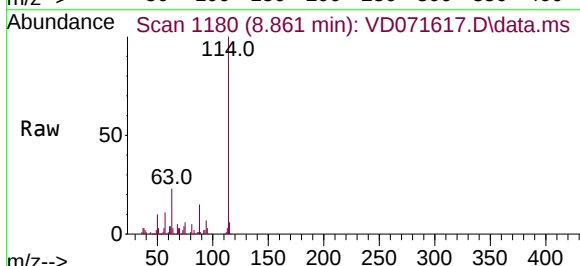
Tgt Ion: 114 Resp: 756745

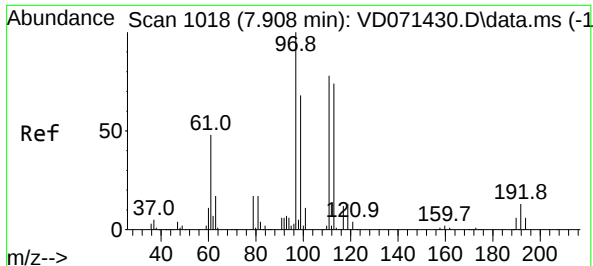
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.8

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.581 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

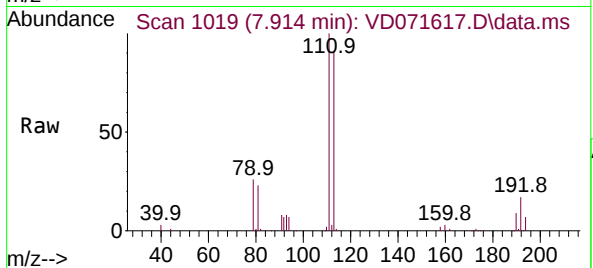
Lab File: VD071617.D

Acq: 05 Jan 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :



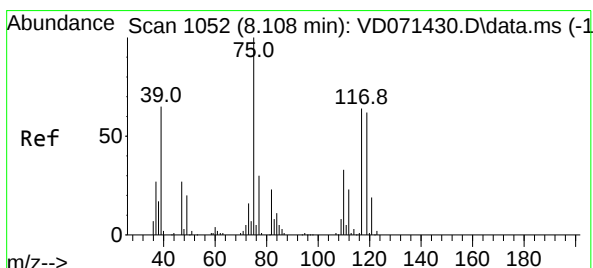
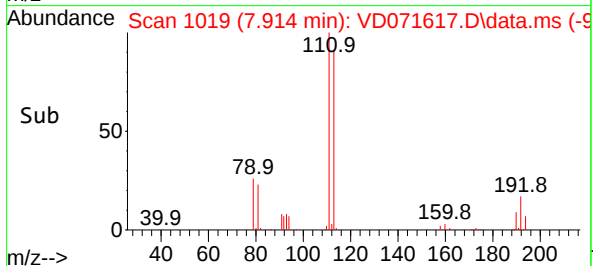
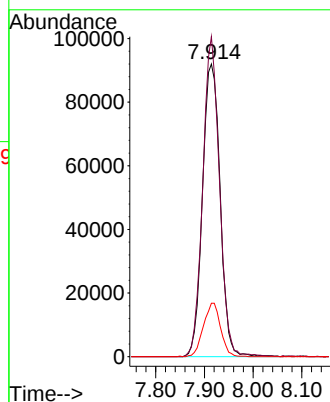
Tgt Ion:113 Resp: 231819

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 17.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.047 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071617.D

Acq: 05 Jan 2022 16:38

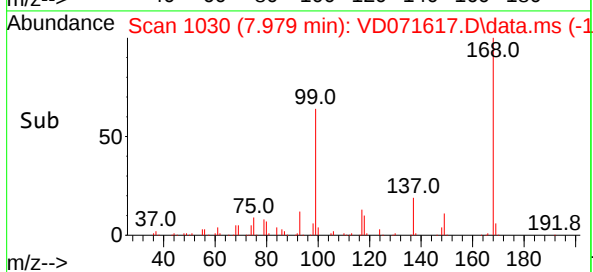
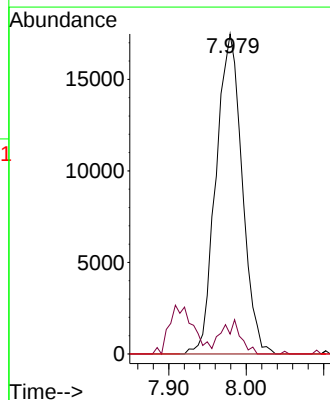
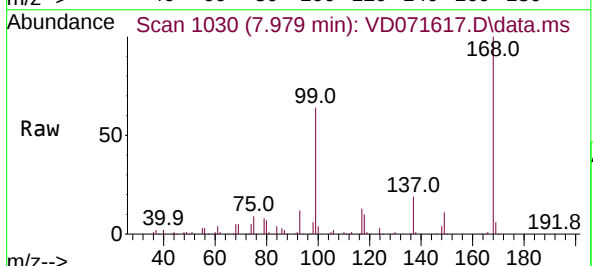
Tgt Ion: 75 Resp: 41006

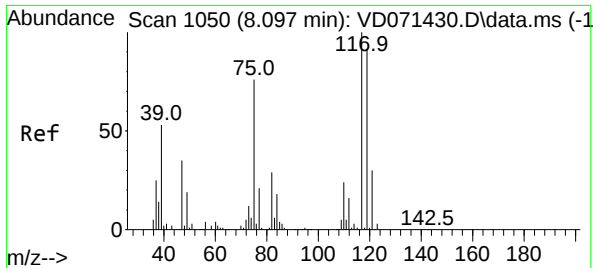
Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.4#

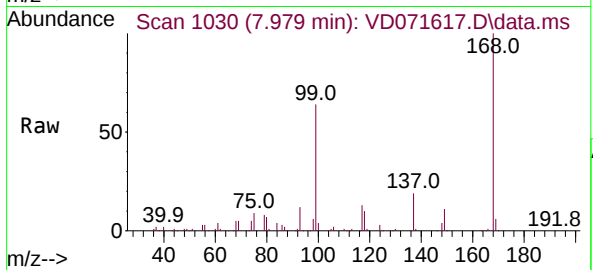
77 0.0 24.8 37.2#



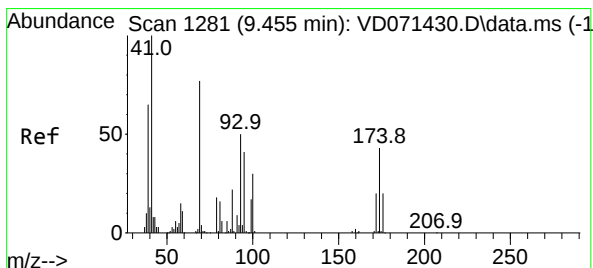
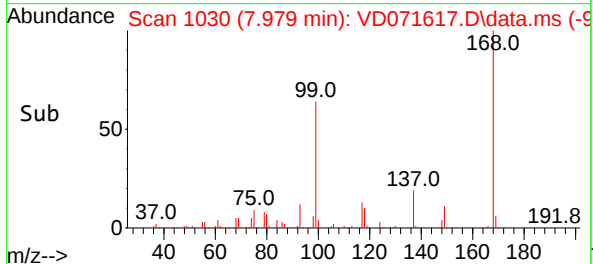
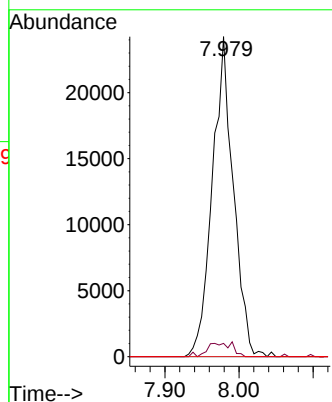


#38
Carbon Tetrachloride
Concen: 5.967 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

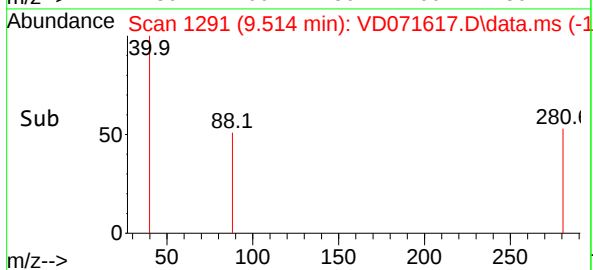
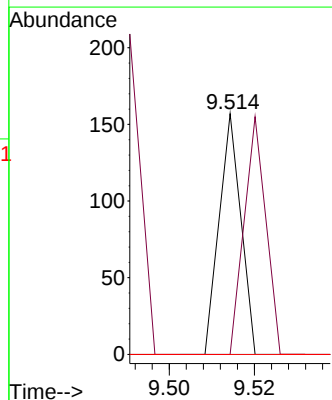
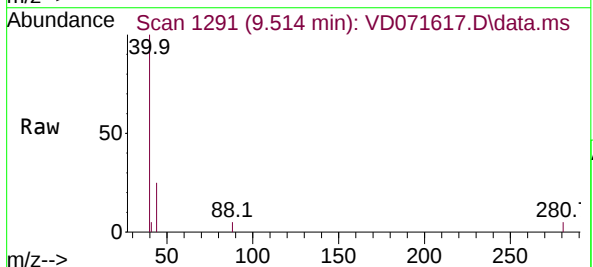


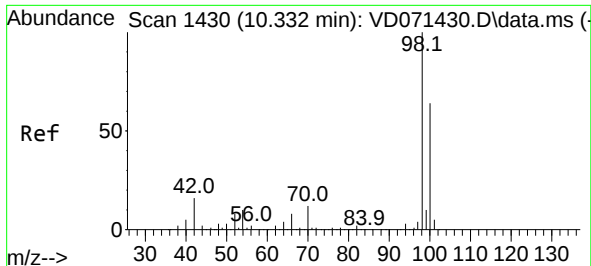
Tgt Ion:117 Resp: 47831
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 1.554 ug/l
RT: 9.514 min Scan# 1291
Delta R.T. 0.059 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 100.0 28.9 43.3#
58 0.0 56.3 84.5#

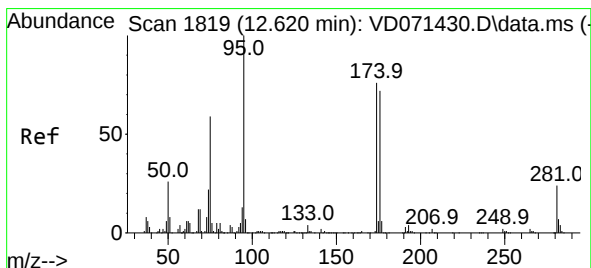
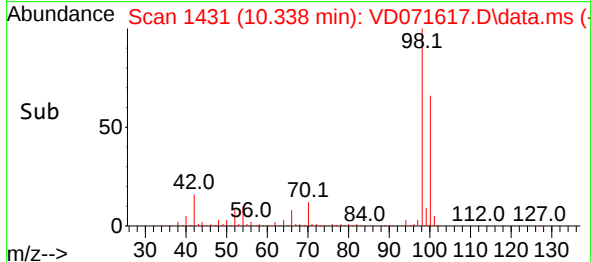
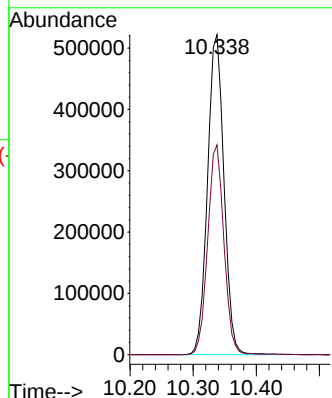
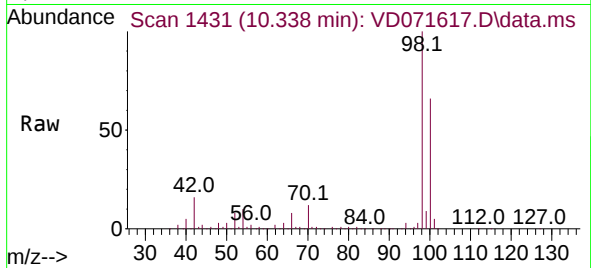




#50
Toluene-d8
Concen: 49.013 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

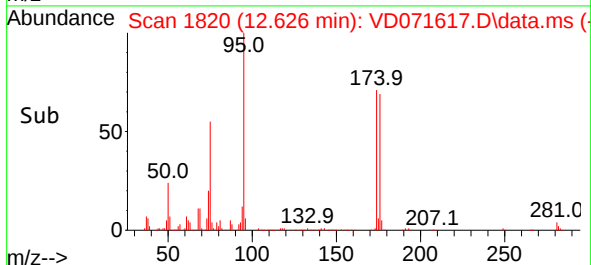
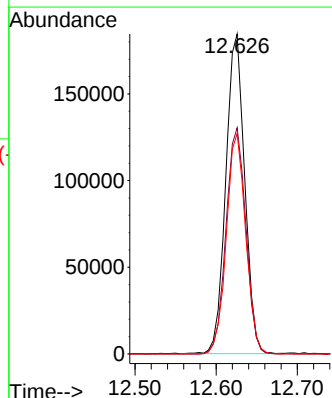
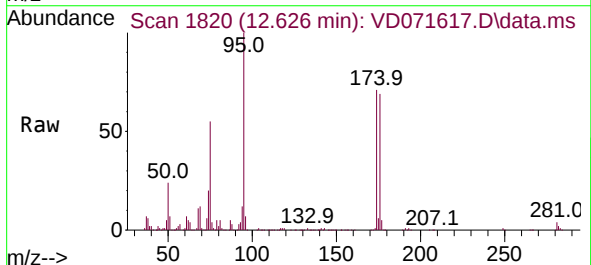
Instrument :
MSVOA_D
ClientSampleId :

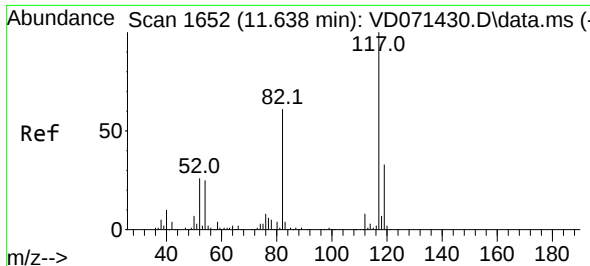
Tgt Ion: 98 Resp: 942014
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 43.586 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

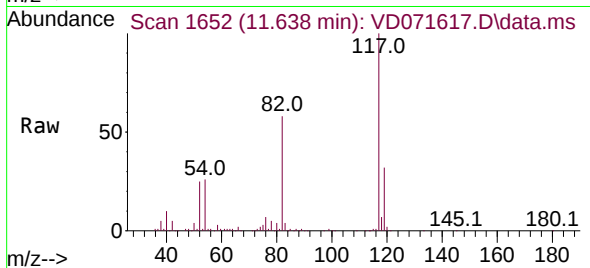
Tgt Ion: 95 Resp: 297684
Ion Ratio Lower Upper
95 100
174 74.3 0.0 159.4
176 70.8 0.0 154.0



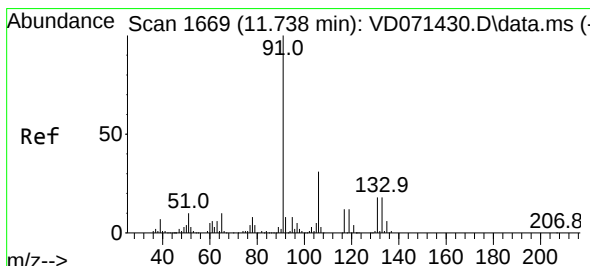
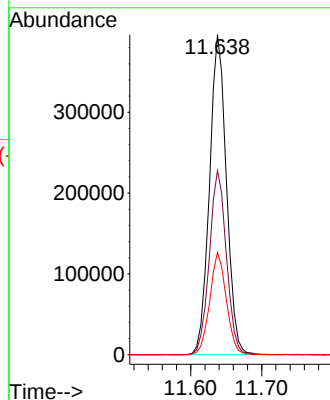
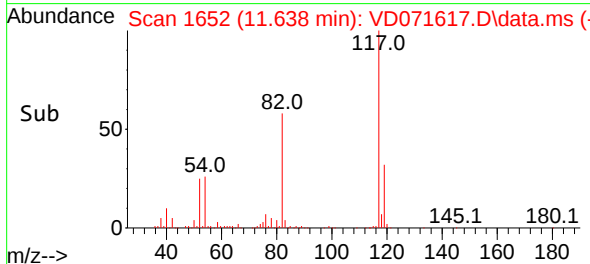


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

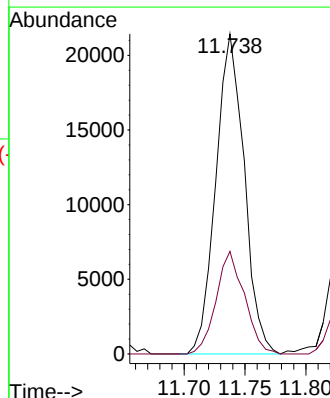
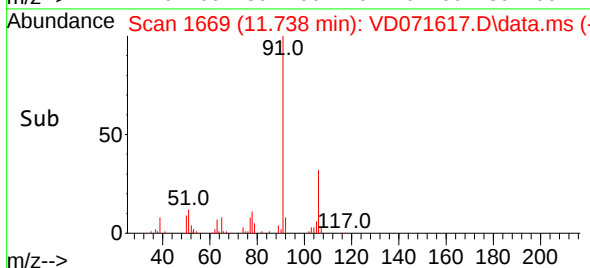
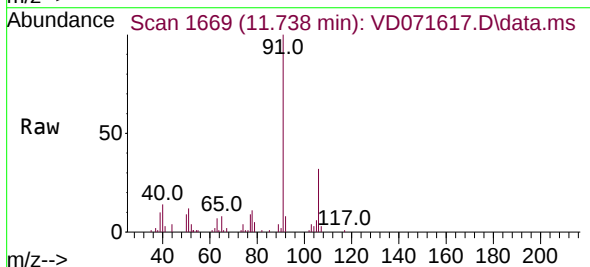


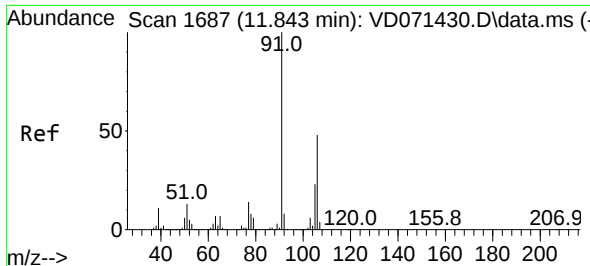
Tgt Ion:117 Resp: 655458
Ion Ratio Lower Upper
117 100
82 57.6 44.7 67.1
119 32.0 26.2 39.4



#67
Ethyl Benzene
Concen: 1.389 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Tgt Ion: 91 Resp: 34744
Ion Ratio Lower Upper
91 100
106 32.1 24.6 36.8

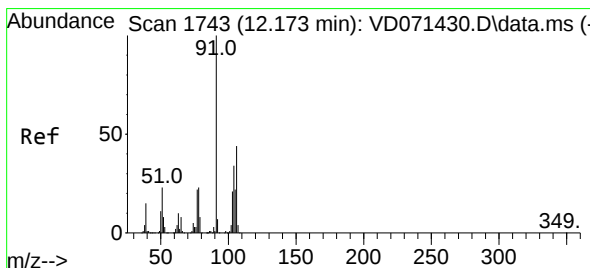
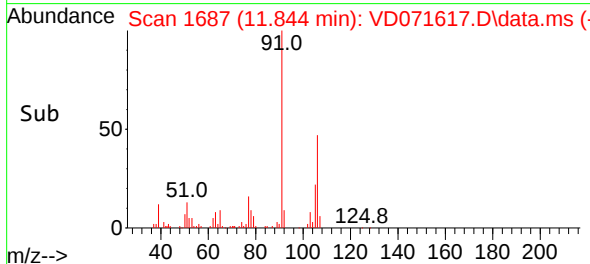
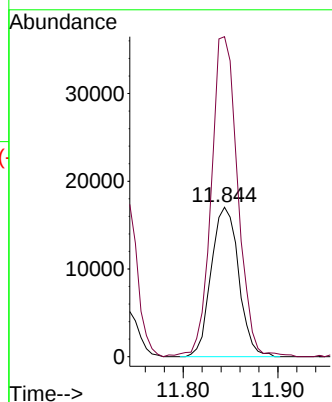
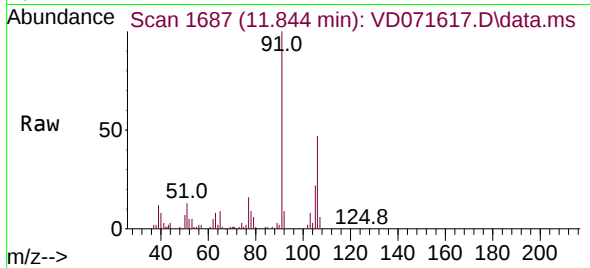




#68
m/p-Xylenes
Concen: 3.611 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.001 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

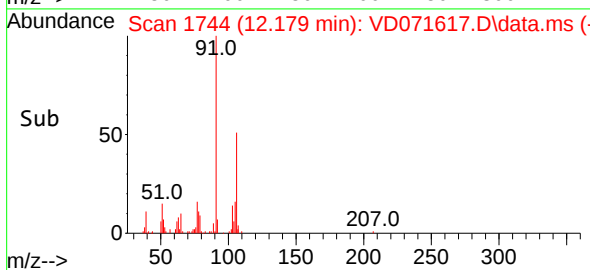
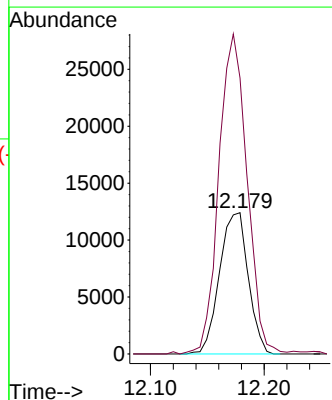
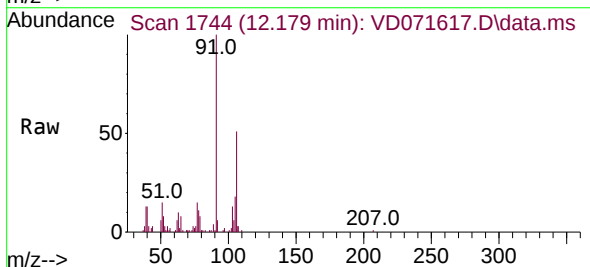
Instrument :
MSVOA_D
ClientSampleId :

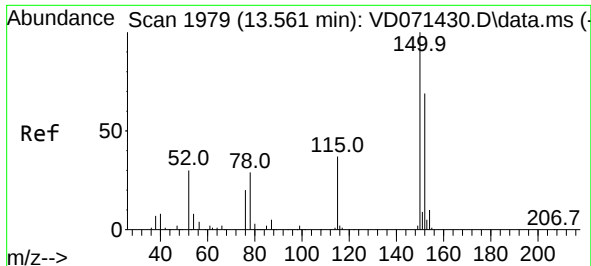
Tgt Ion:106 Resp: 34328
Ion Ratio Lower Upper
106 100
91 206.2 160.1 240.1



#69
o-Xylene
Concen: 2.505 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.006 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Tgt Ion:106 Resp: 21765
Ion Ratio Lower Upper
106 100
91 222.9 106.3 319.0

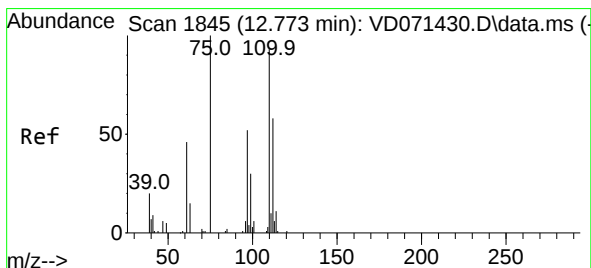
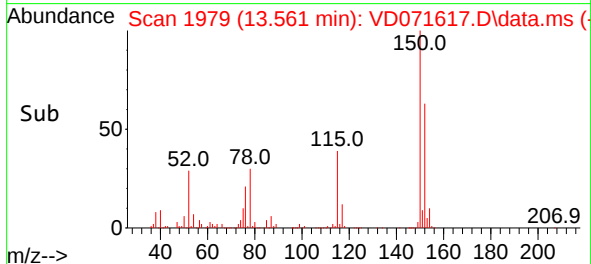
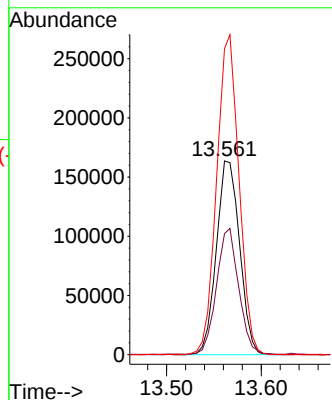
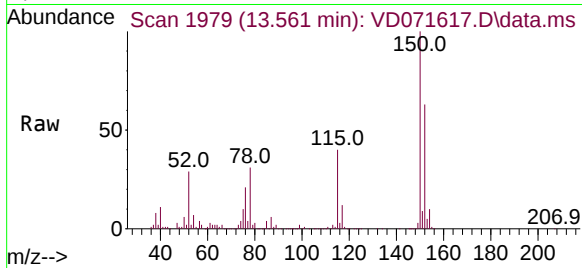




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD071617.D
 Acq: 05 Jan 2022 16:38

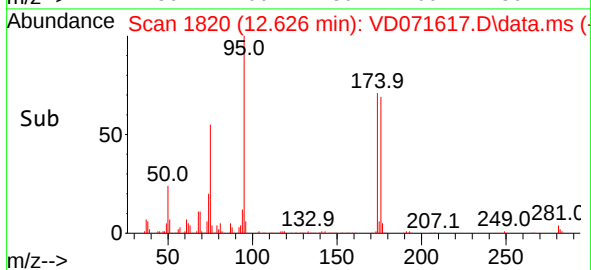
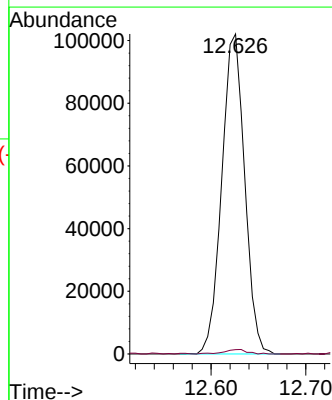
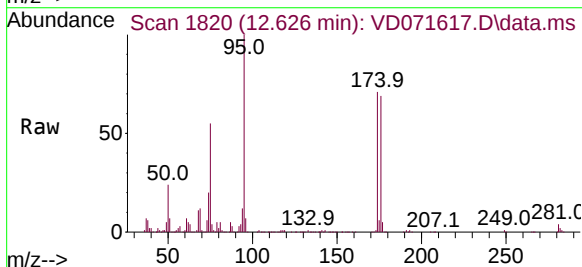
Instrument :
 MSVOA_D
 ClientSampleId :

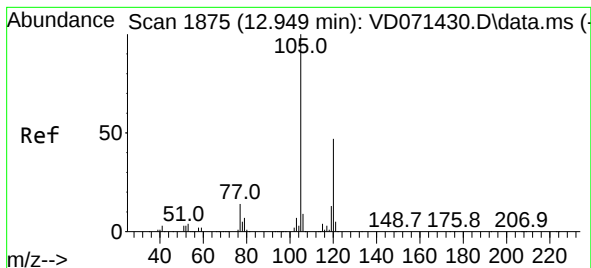
Tgt Ion:152 Resp: 278853
 Ion Ratio Lower Upper
 152 100
 115 61.8 29.8 89.3
 150 158.9 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 51.726 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071617.D
 Acq: 05 Jan 2022 16:38

Tgt Ion: 75 Resp: 171383
 Ion Ratio Lower Upper
 75 100
 77 1.4 158.4 475.3#





#80

1,3,5-Trimethylbenzene

Concen: 1.813 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VD071617.D

Acq: 05 Jan 2022 16:38

Instrument :

MSVOA_D

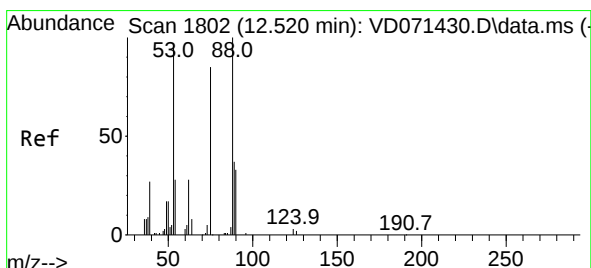
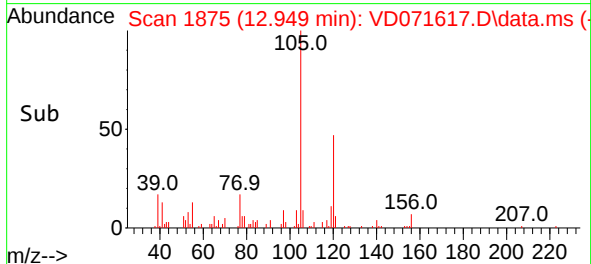
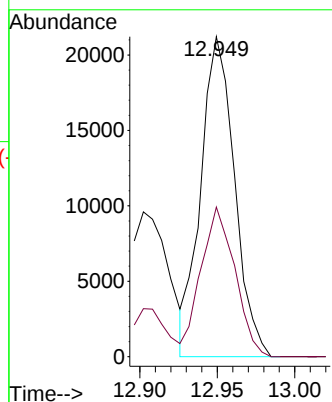
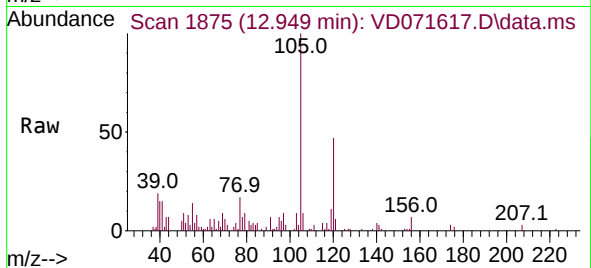
ClientSampleId :

Tgt Ion:105 Resp: 32147

Ion Ratio Lower Upper

105 100

120 47.2 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 146.154 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.106 min

Lab File: VD071617.D

Acq: 05 Jan 2022 16:38

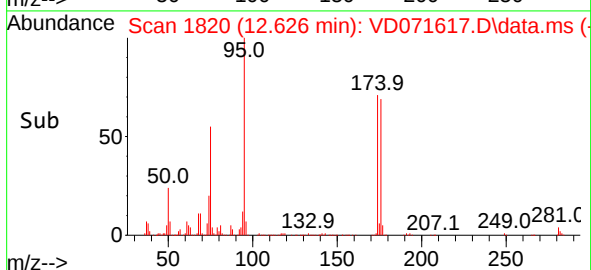
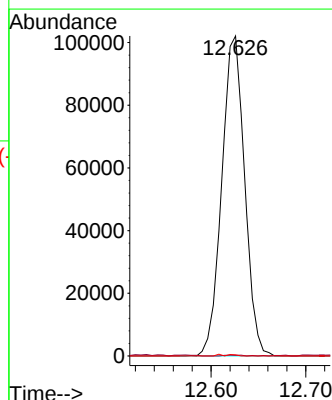
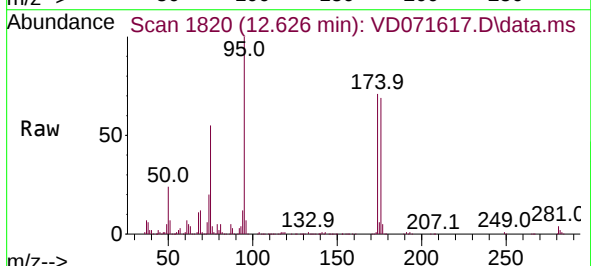
Tgt Ion: 75 Resp: 171383

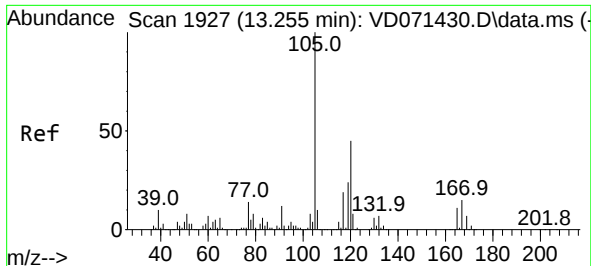
Ion Ratio Lower Upper

75 100

53 0.2 62.6 94.0#

89 0.0 34.5 51.7#

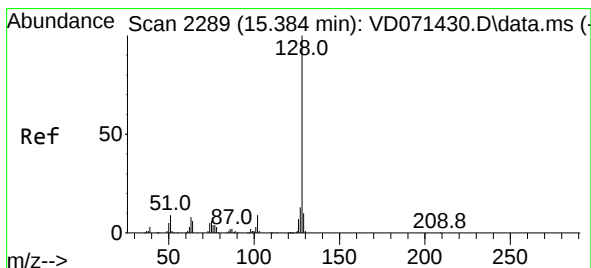
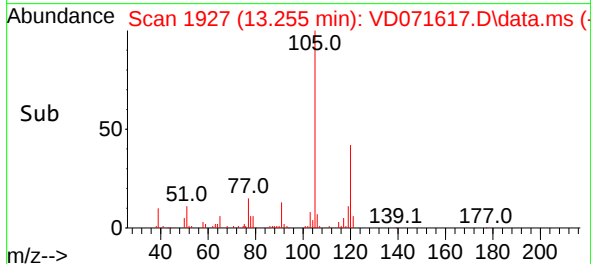
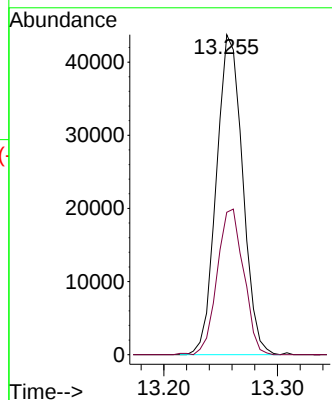
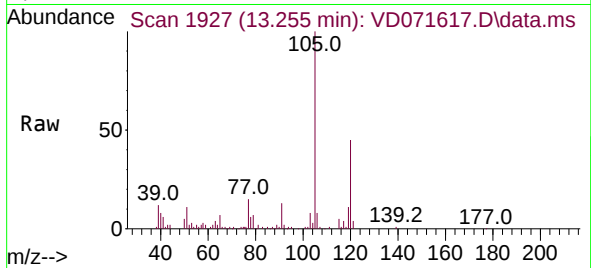




#84
1,2,4-Trimethylbenzene
Concen: 3.996 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 70136
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.7



#95
Naphthalene
Concen: 6.271 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VD071617.D
Acq: 05 Jan 2022 16:38

Tgt Ion:128 Resp: 59478
Ion Ratio Lower Upper
128 100
127 14.4 10.7 16.1
129 12.3 8.7 13.1

