

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071471.D
 Acq On : 25 Dec 2021 21:24
 Operator : VA/SY
 Sample : M5223-03
 Misc : 5..56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-4-(33-35)-12-22-21

Quant Time: Dec 27 00:52:25 2021
 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)

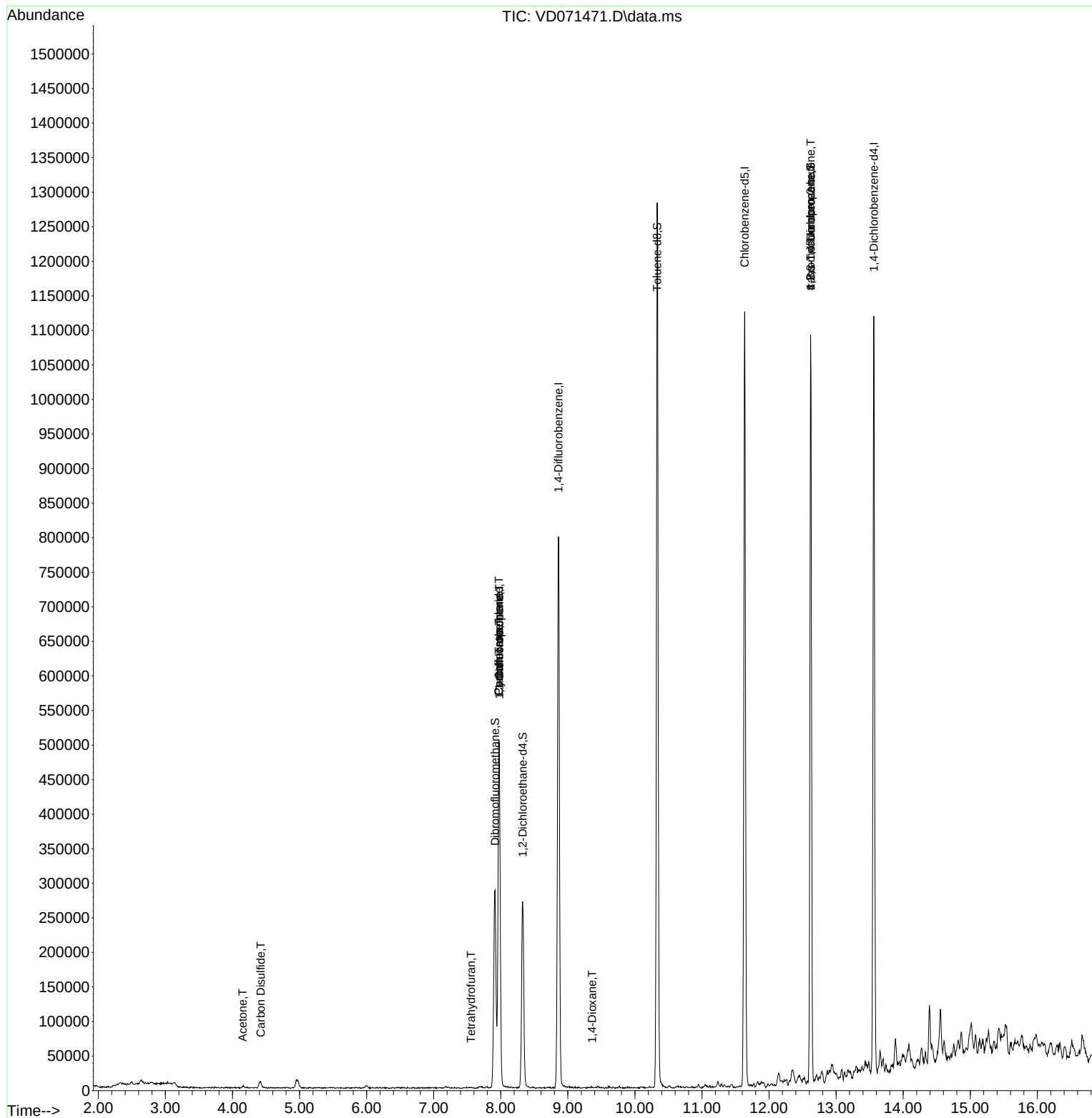
Internal Standards						
1) Pentafluorobenzene	7.973	168	351012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	642467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	589768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220011	47.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.380%		
35) Dibromofluoromethane	7.914	113	201075	46.568	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.140%		
50) Toluene-d8	10.332	98	810925	49.697	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.400%		
62) 4-Bromofluorobenzene	12.620	95	271133	46.760	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.520%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	86	Below Cal	#	71
16) Acetone	4.150	43	4444	3.795	ug/l #	64
17) Carbon Disulfide	4.420	76	18382	1.543	ug/l	99
20) Methylene Chloride	4.967	84	8353	Below Cal		98
29) Tetrahydrofuran	7.556	42	1033	1.230	ug/l #	39
31) Cyclohexane	7.973	56	9930	1.254	ug/l #	20
36) 1,1-Dichloropropene	7.979	75	32383	4.694	ug/l #	46
38) Carbon Tetrachloride	7.973	117	37304	5.481	ug/l #	19
49) 1,4-Dioxane	9.361	88	59	1.964	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	157630	49.955	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	157630	141.149	ug/l #	19

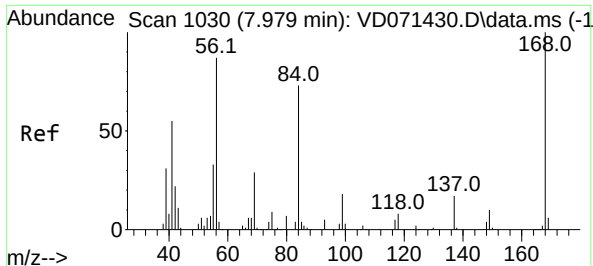
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

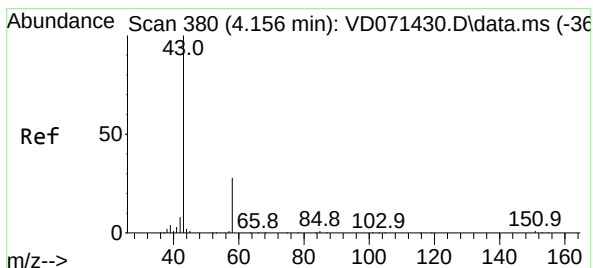
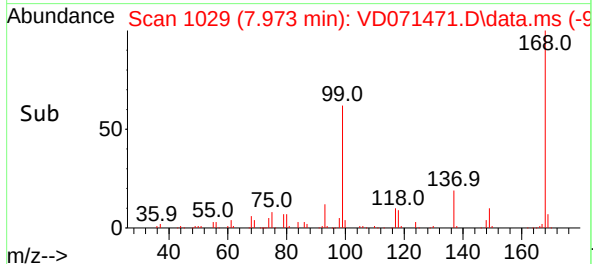
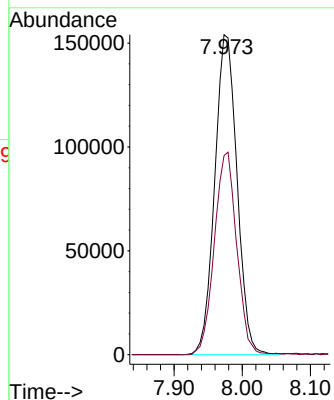
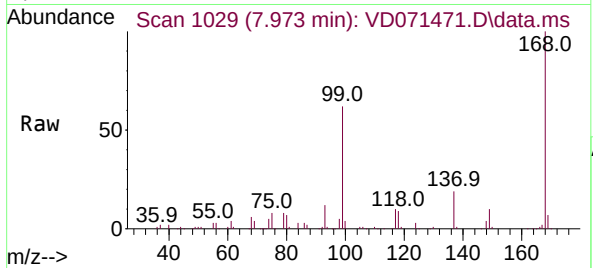




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

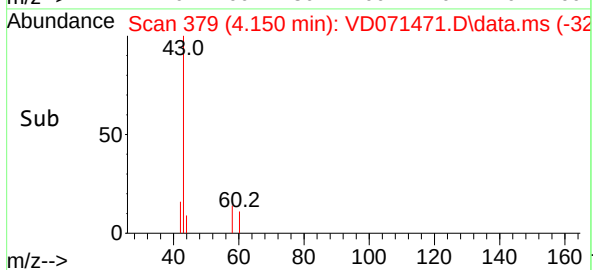
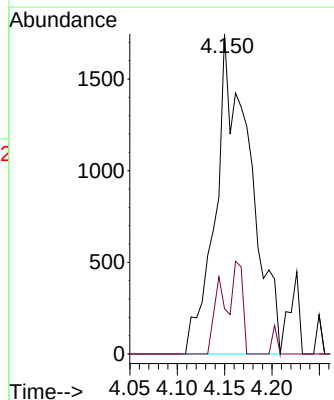
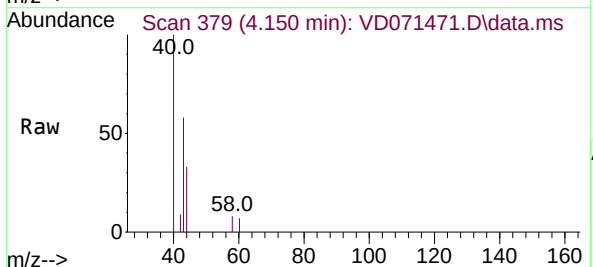
Instrument :
MSVOA_D
ClientSampleId :
DB-4-(33-35)-12-22-21

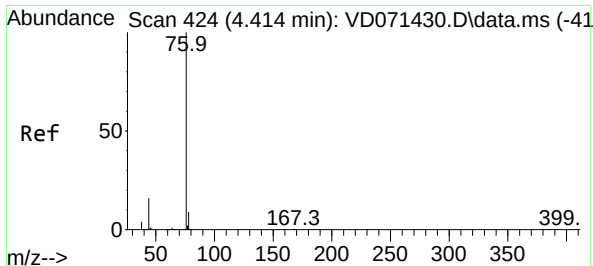
Tgt Ion:168 Resp: 351012
Ion Ratio Lower Upper
168 100
99 62.2 46.6 69.8



#16
Acetone
Concen: 3.795 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Tgt Ion: 43 Resp: 4444
Ion Ratio Lower Upper
43 100
58 14.1 27.8 41.8#

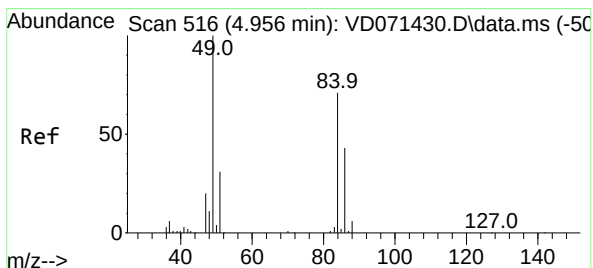
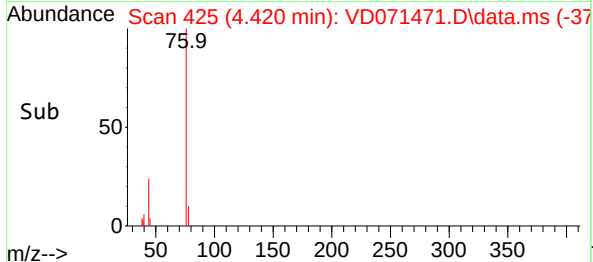
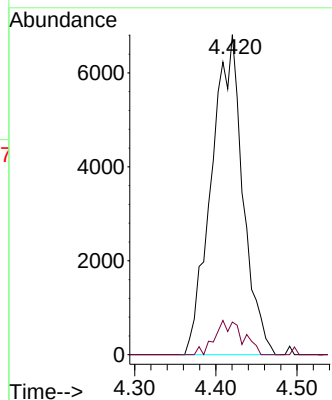
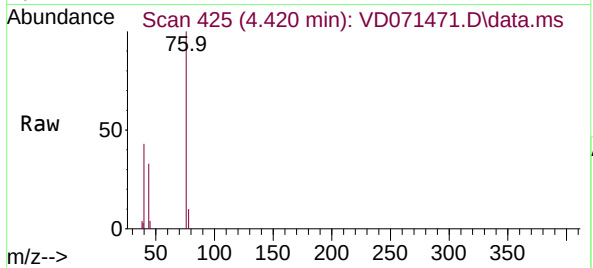




#17
Carbon Disulfide
Concen: 1.543 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

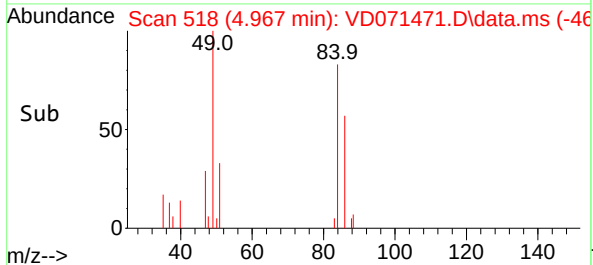
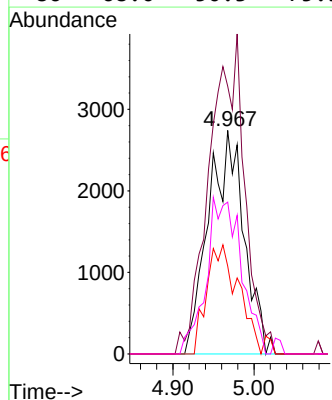
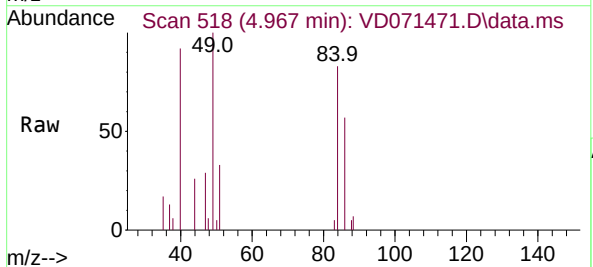
Instrument :
MSVOA_D
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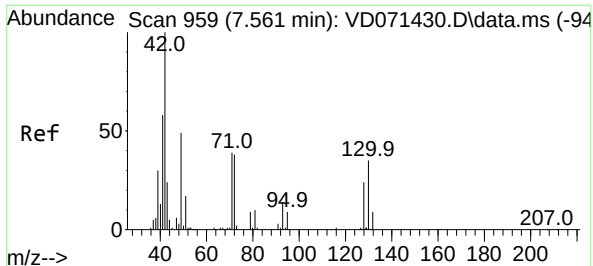
Tgt Ion: 76 Resp: 18382
Ion Ratio Lower Upper
76 100
78 10.2 7.8 11.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Tgt Ion: 84 Resp: 8353
Ion Ratio Lower Upper
84 100
49 119.8 95.8 143.6
51 39.3 30.9 46.3
86 68.0 50.3 75.5





#29

Tetrahydrofuran

Concen: 1.230 ug/l

RT: 7.556 min Scan# 91

Delta R.T. 0.001 min

Lab File: VD071471.D

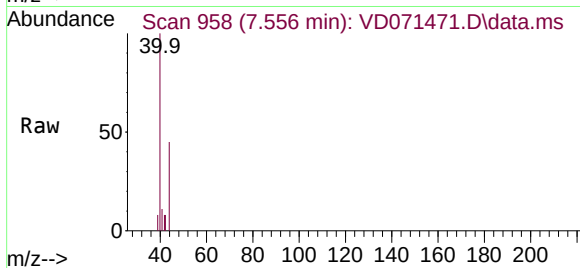
Acq: 25 Dec 2021 21:24

Instrument :

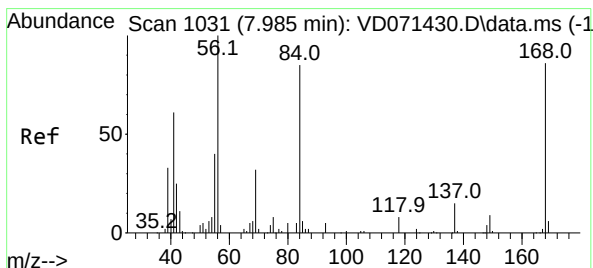
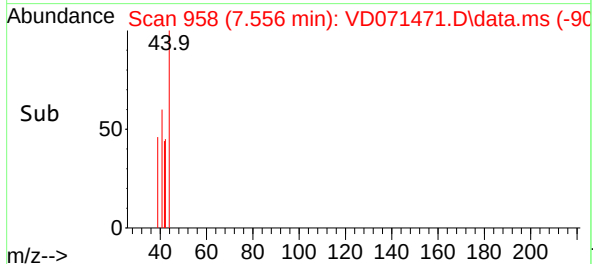
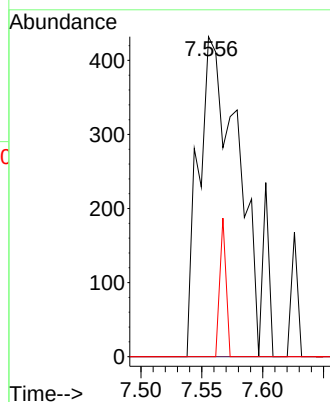
MSVOA_D

ClientSampleId :

DB-4-(33-35)-12-22-21



Tgt Ion:	42	Resp:	1033
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	6.4	32.7	49.1#



#31

Cyclohexane

Concen: 1.254 ug/l

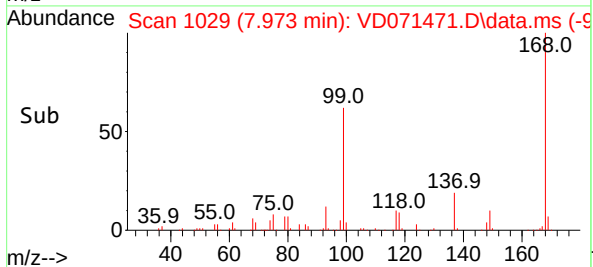
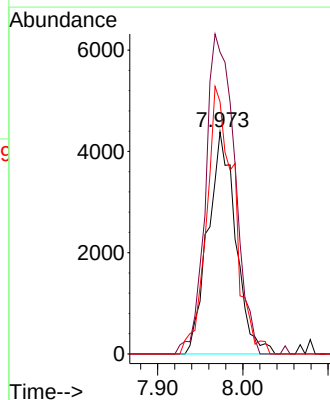
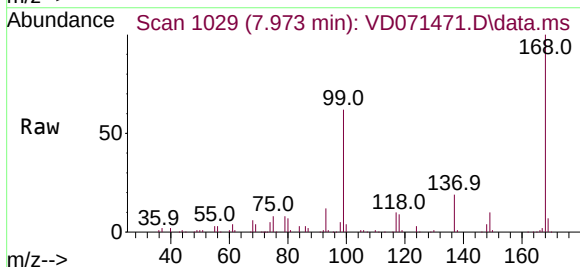
RT: 7.973 min Scan# 1029

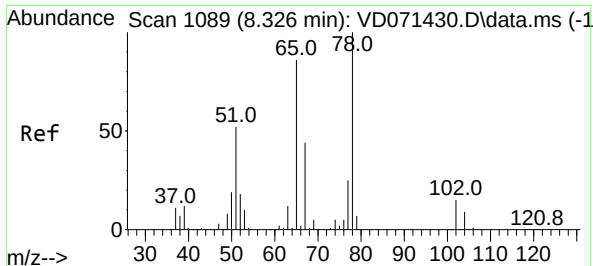
Delta R.T. -0.012 min

Lab File: VD071471.D

Acq: 25 Dec 2021 21:24

Tgt Ion:	56	Resp:	9930
Ion	Ratio	Lower	Upper
56	100		
69	135.9	25.9	38.9#
84	113.6	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.195 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071471.D

Acq: 25 Dec 2021 21:24

Instrument :

MSVOA_D

ClientSampleId :

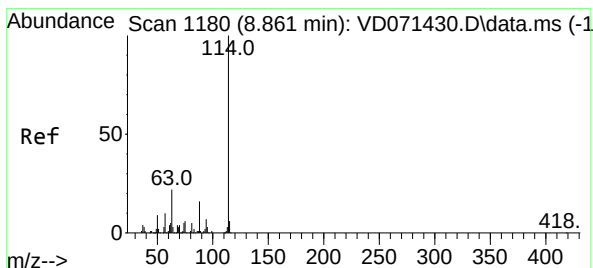
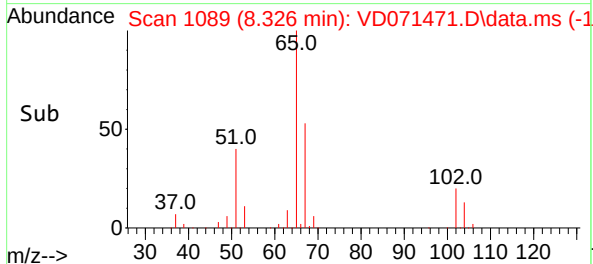
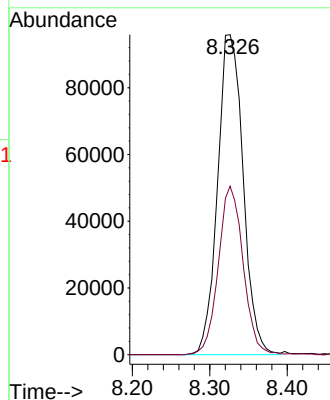
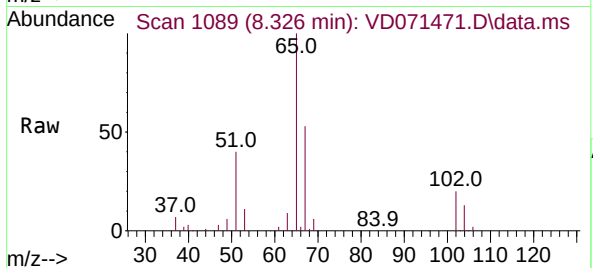
DB-4-(33-35)-12-22-21

Tgt Ion: 65 Resp: 220011

Ion Ratio Lower Upper

65 100

67 51.0 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: VD071471.D

Acq: 25 Dec 2021 21:24

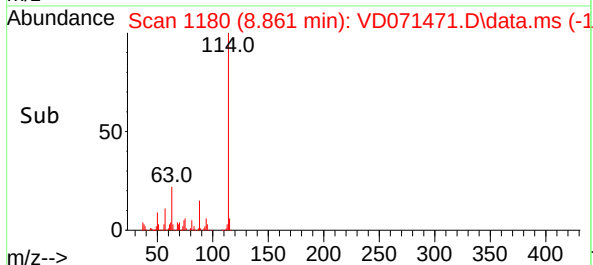
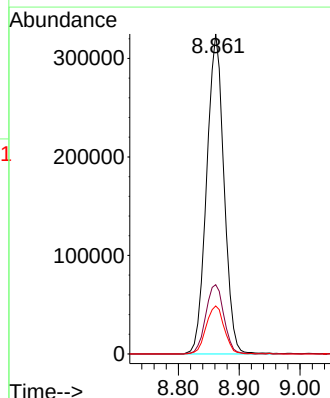
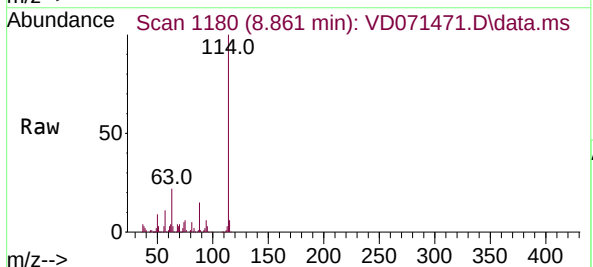
Tgt Ion: 114 Resp: 642467

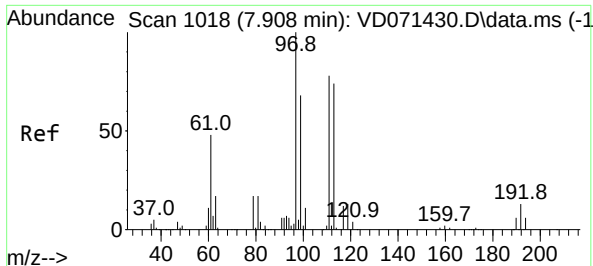
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 15.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.568 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071471.D

Acq: 25 Dec 2021 21:24

Instrument :

MSVOA_D

ClientSampleId :

DB-4-(33-35)-12-22-21

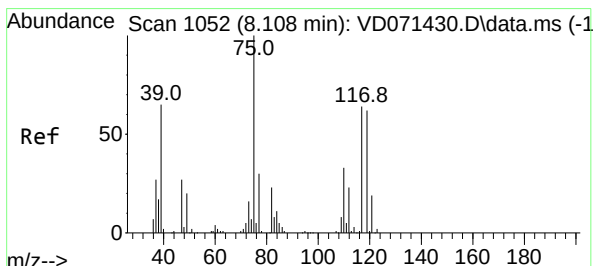
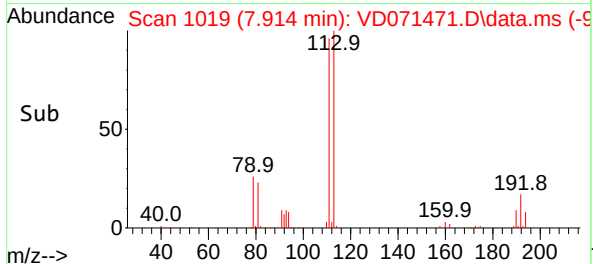
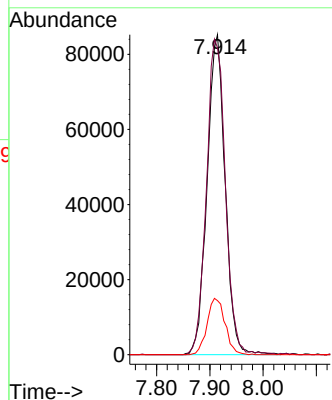
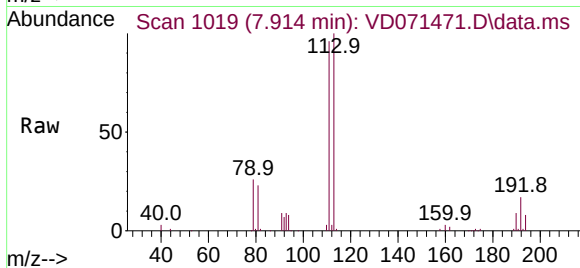
Tgt Ion:113 Resp: 201075

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 17.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071471.D

Acq: 25 Dec 2021 21:24

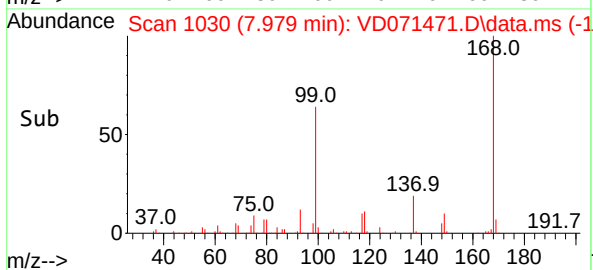
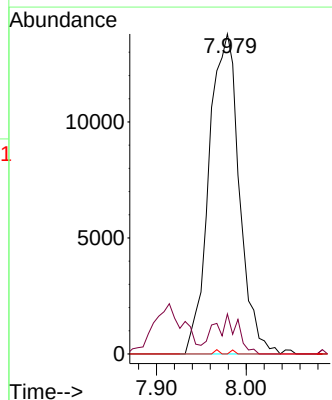
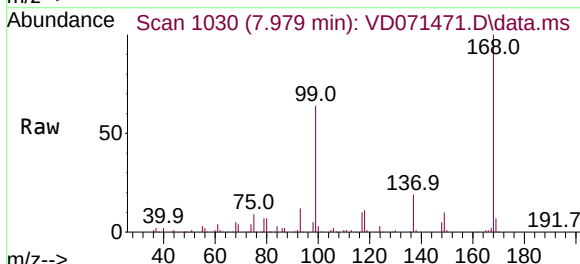
Tgt Ion: 75 Resp: 32383

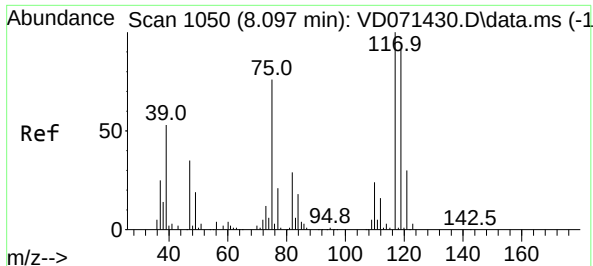
Ion Ratio Lower Upper

75 100

110 5.4 17.8 53.4#

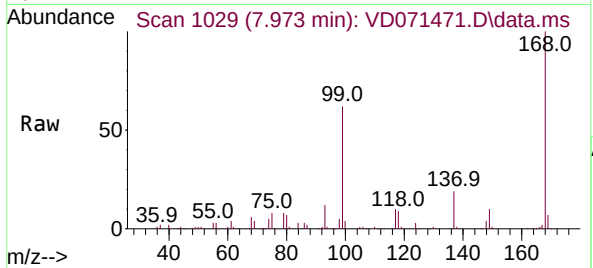
77 0.2 24.8 37.2#



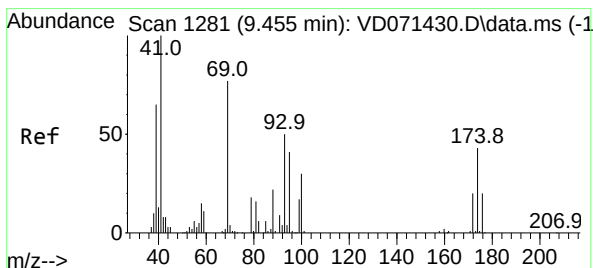
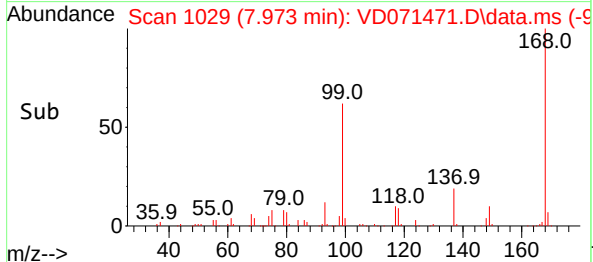
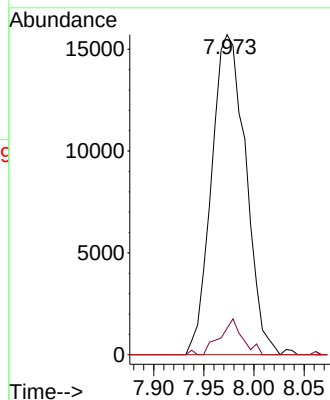


#38
Carbon Tetrachloride
Concen: 5.481 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(33-35)-12-22-21

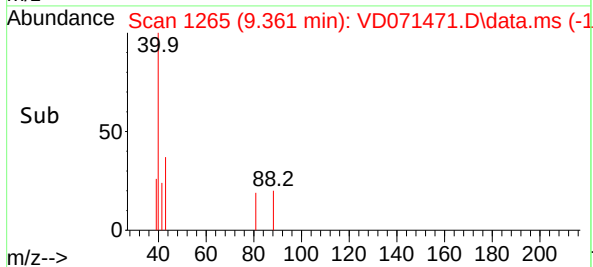
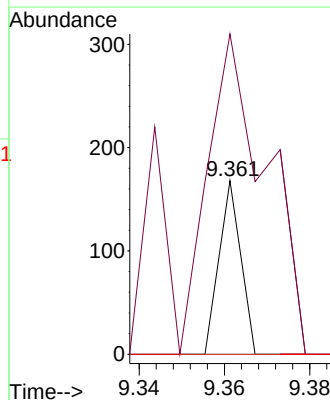
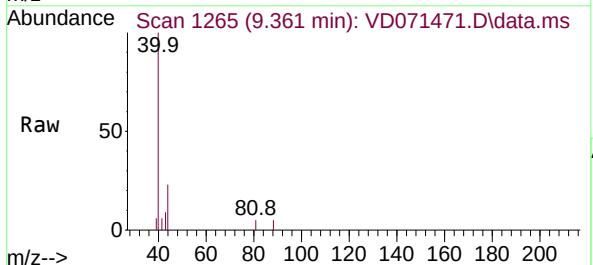


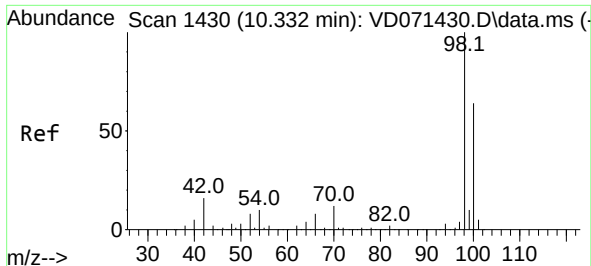
Tgt Ion:117 Resp: 37304
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 1.964 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. -0.094 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 635.6 28.9 43.3#
58 0.0 56.3 84.5#

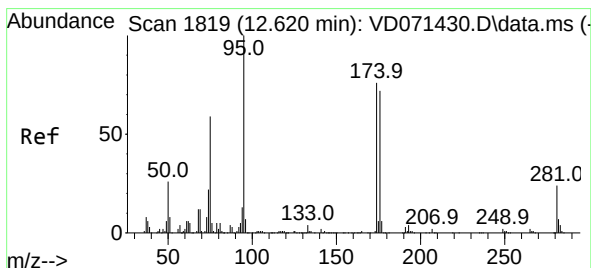
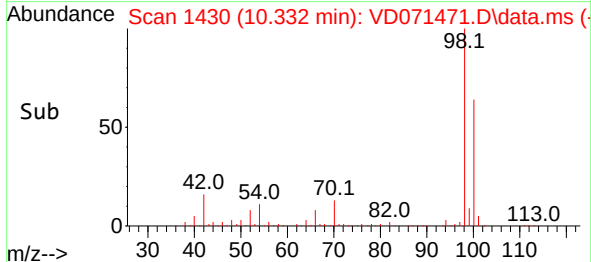
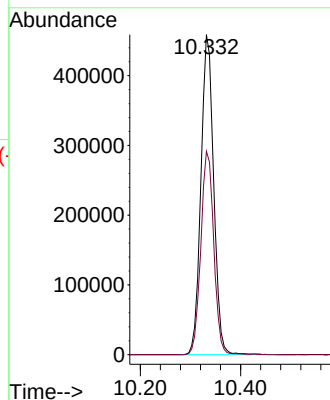
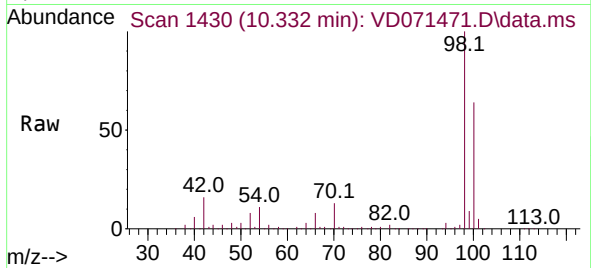




#50
Toluene-d8
Concen: 49.697 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

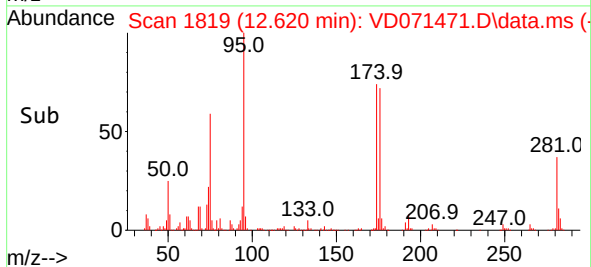
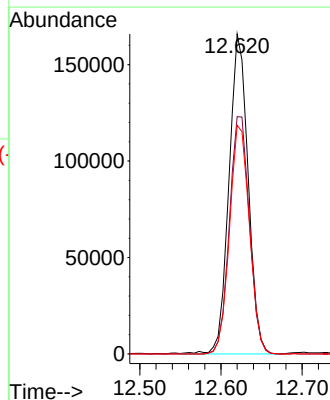
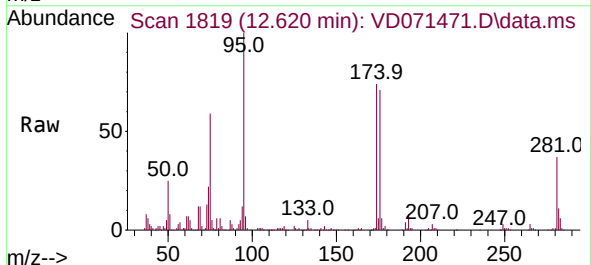
Instrument :
MSVOA_D
ClientSampleId :
DB-4-(33-35)-12-22-21

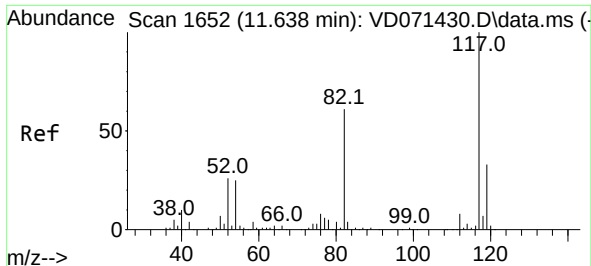
Tgt Ion: 98 Resp: 810925
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 46.760 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Tgt Ion: 95 Resp: 271133
Ion Ratio Lower Upper
95 100
174 77.7 0.0 159.4
176 74.2 0.0 154.0

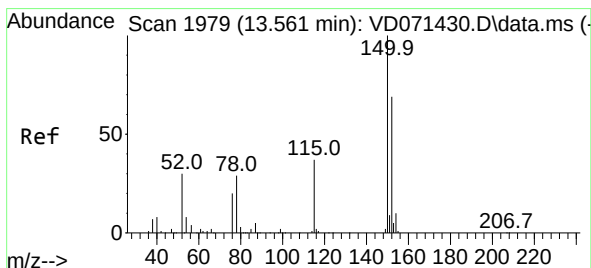
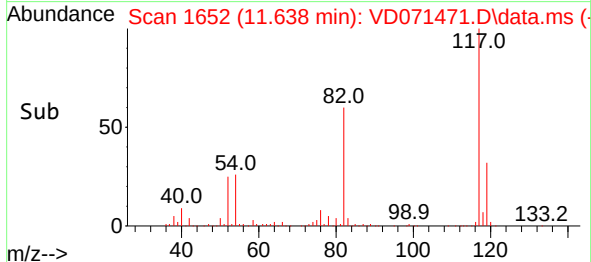
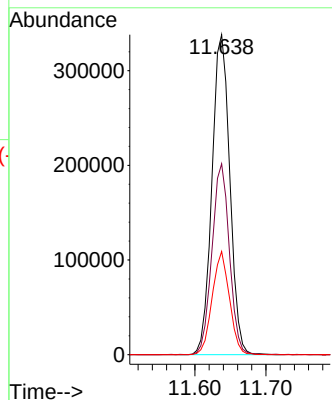
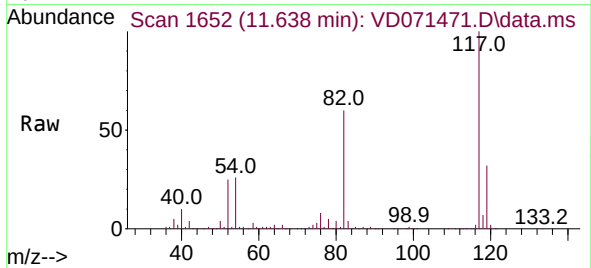




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

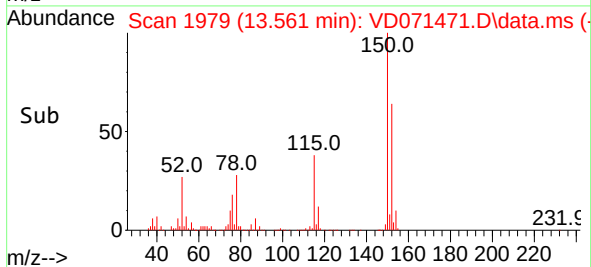
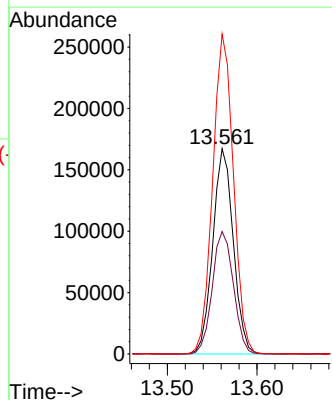
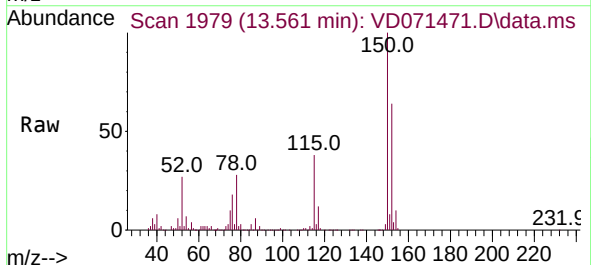
Instrument :
MSVOA_D
ClientSampleId :
DB-4-(33-35)-12-22-21

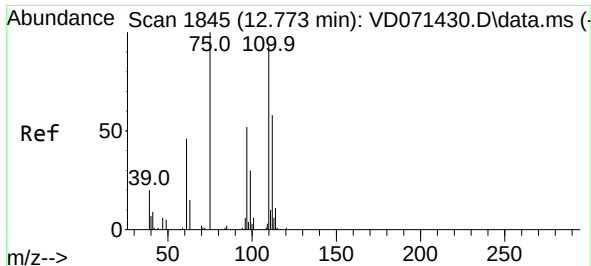
Tgt Ion:117 Resp: 589768
Ion Ratio Lower Upper
117 100
82 59.6 44.7 67.1
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Tgt Ion:152 Resp: 265570
Ion Ratio Lower Upper
152 100
115 61.4 29.8 89.3
150 157.4 0.0 349.2

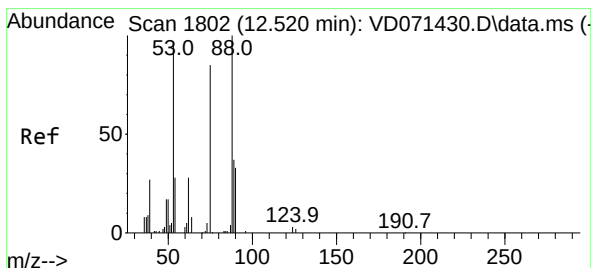
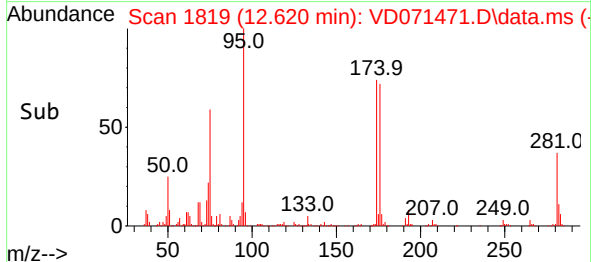
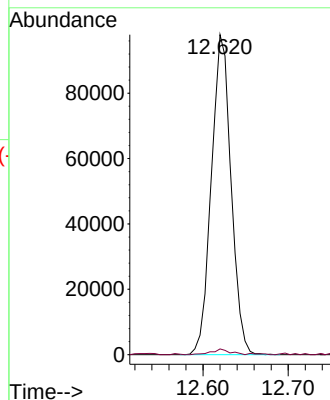
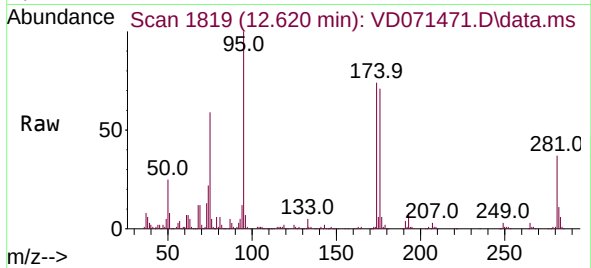




#76
1,2,3-Trichloropropane
Concen: 49.955 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(33-35)-12-22-21

Tgt Ion: 75 Resp: 157630
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071471.D
Acq: 25 Dec 2021 21:24

Tgt Ion: 75 Resp: 157630
Ion Ratio Lower Upper
75 100
53 0.5 62.6 94.0#
89 0.5 34.5 51.7#

