

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071316.D
 Acq On : 14 Dec 2021 13:07
 Operator : VA/SY
 Sample : M5022-49RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:28:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

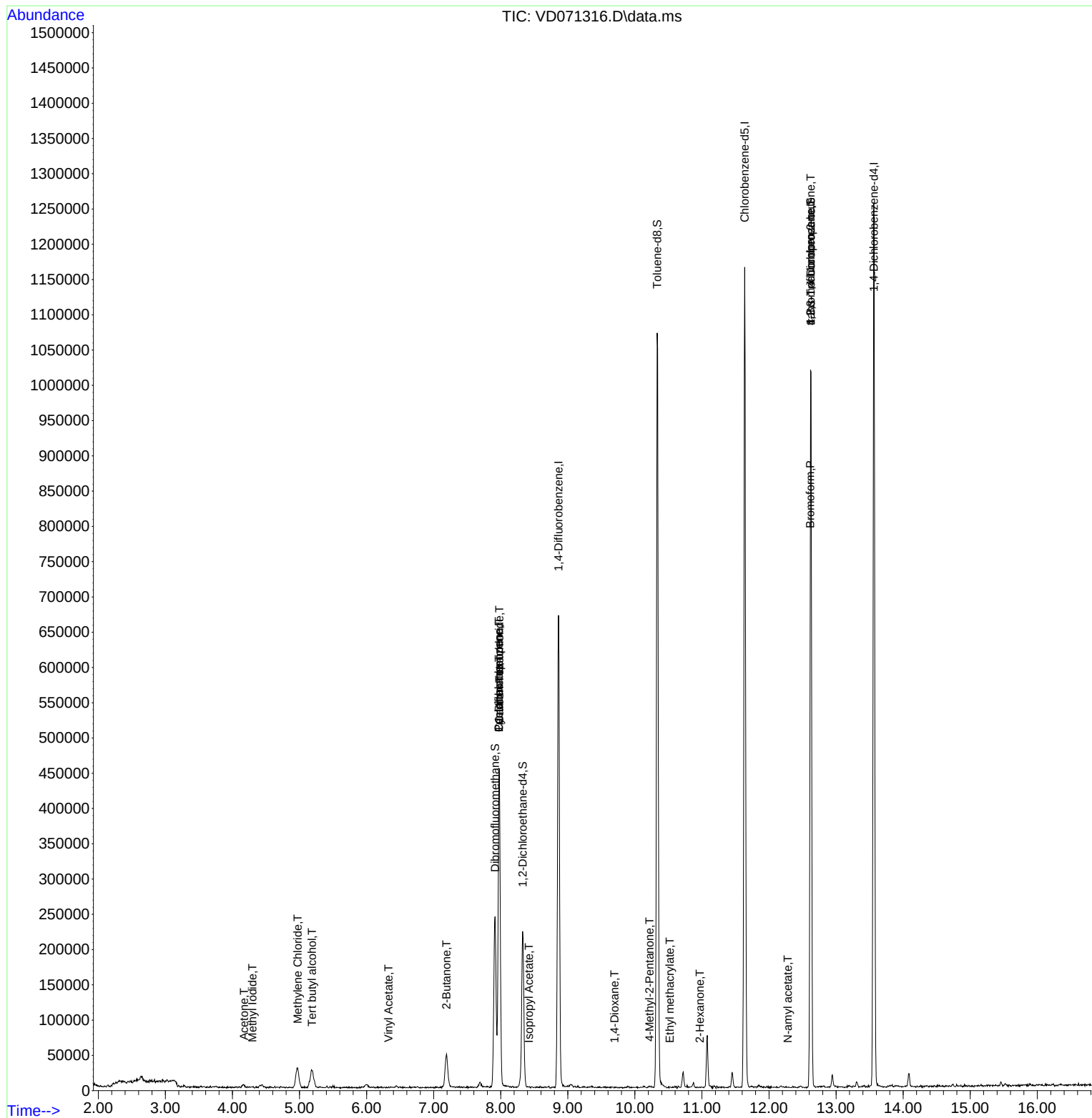
Internal Standards						
1) Pentafluorobenzene	7.973	168	310343	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	536700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	608434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171991	47.231	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.460%
35) Dibromofluoromethane	7.914	113	170612	49.921	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.332	98	699992	53.821	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.640%
62) 4-Bromofluorobenzene	12.620	95	301559	66.889	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	133.780%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	323	4.641	ug/l #	64
11) Tert butyl alcohol	5.185	59	23689	25.720	ug/l #	77
16) Acetone	4.173	43	6837	36.996	ug/l	100
20) Methylene Chloride	4.973	84	19910	1.355	ug/l #	86
23) Vinyl Acetate	6.326	43	148	27.241	ug/l #	72
25) 2-Butanone	7.191	43	3381	31.043	ug/l #	75
31) Cyclohexane	7.973	56	8889	1.435	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	28370	5.656	ug/l #	45
38) Carbon Tetrachloride	7.979	117	34429	6.963	ug/l #	15
41) Methacrylonitrile	7.538	41	62	Below Cal	#	1
43) Isopropyl Acetate	8.420	43	92	5.240	ug/l #	47
49) 1,4-Dioxane	9.697	88	60	3.343	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	1509	31.194	ug/l #	56
56) Ethyl methacrylate	10.520	69	89	5.993	ug/l #	1
59) 2-Hexanone	10.967	43	56	34.600	ug/l #	22
71) Bromoform	12.614	173	3409	1.596	ug/l #	1
74) N-amyl acetate	12.279	43	81	5.713	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	168546	58.654	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	168546	127.121	ug/l #	18

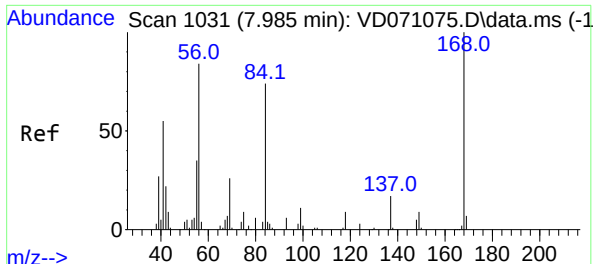
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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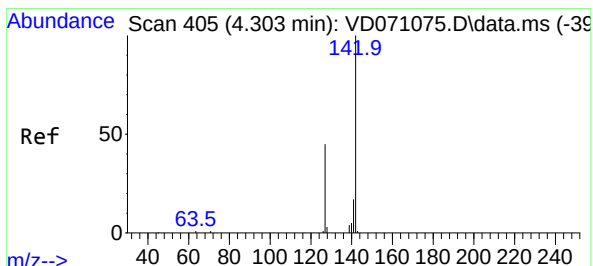
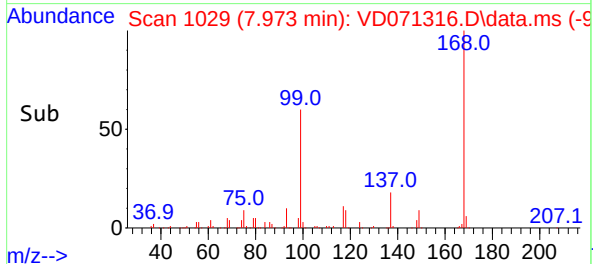
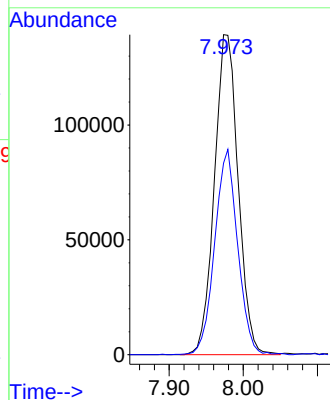
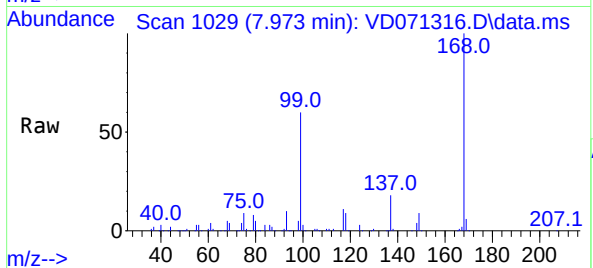




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

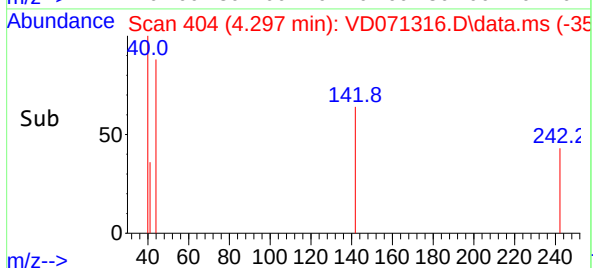
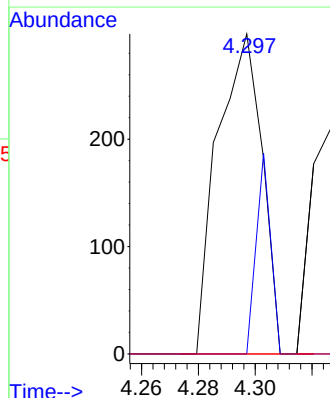
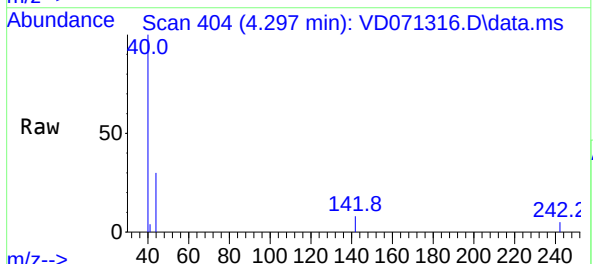
Instrument :
MSVOA_D
ClientSampleId :

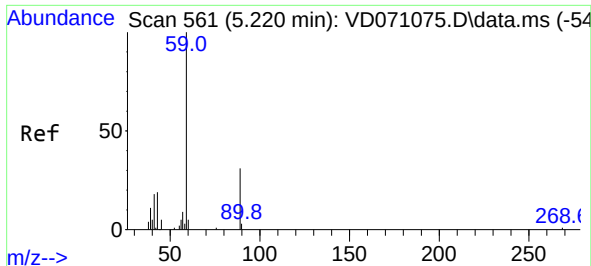
Tgt Ion:168 Resp: 310343
Ion Ratio Lower Upper
168 100
99 59.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.641 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion:142 Resp: 323
Ion Ratio Lower Upper
142 100
127 20.4 35.0 52.4#
141 0.0 12.0 18.0#





#11

Tert butyl alcohol

Concen: 25.720 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.035 min

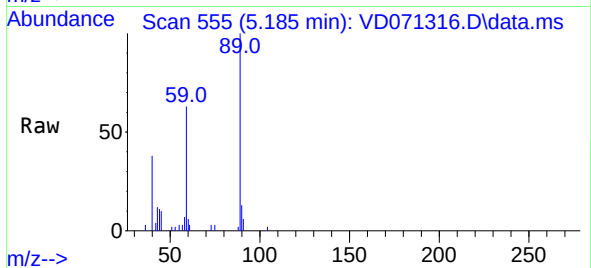
Lab File: VD071316.D

Acq: 14 Dec 2021 13:07

Instrument :

MSVOA_D

ClientSampleId :

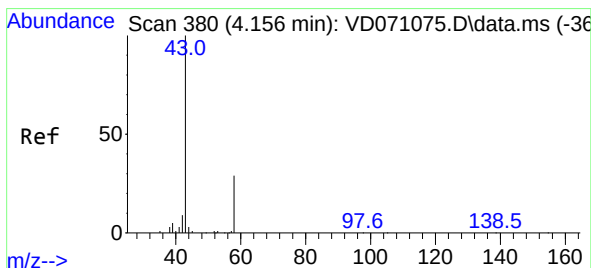
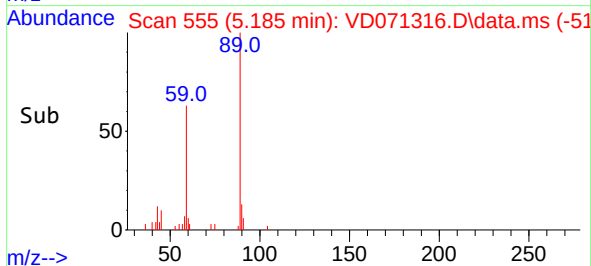
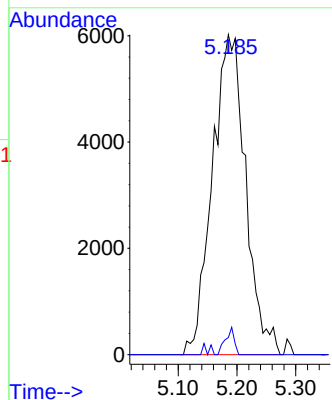


Tgt Ion: 59 Resp: 23689

Ion Ratio Lower Upper

59 100

57 2.2 9.0 13.4#



#16

Acetone

Concen: 36.996 ug/l

RT: 4.173 min Scan# 383

Delta R.T. 0.017 min

Lab File: VD071316.D

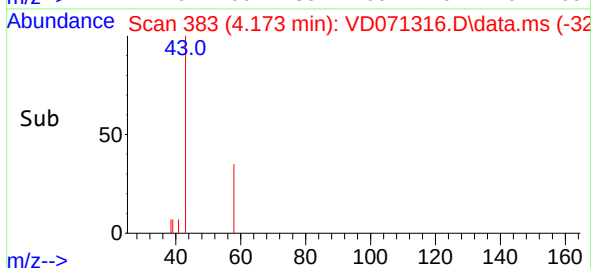
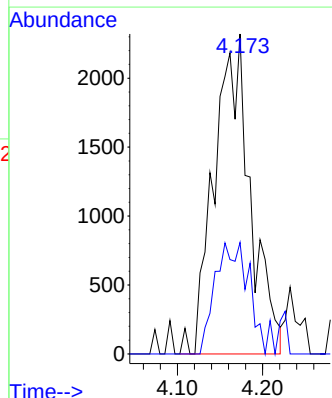
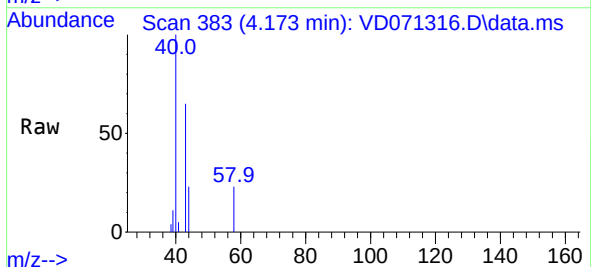
Acq: 14 Dec 2021 13:07

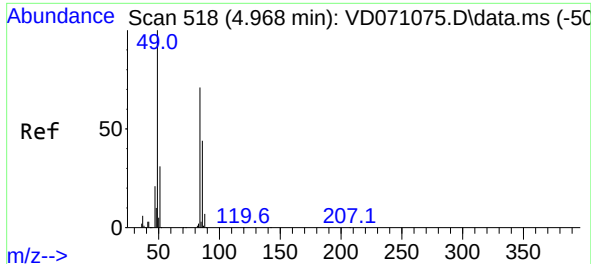
Tgt Ion: 43 Resp: 6837

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.8





#20

Methylene Chloride

Concen: 1.355 ug/l

RT: 4.973 min Scan# 518

Delta R.T. 0.005 min

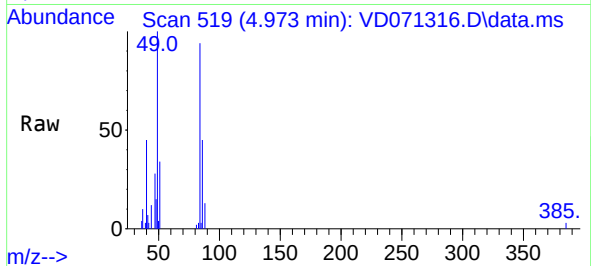
Lab File: VD071316.D

Acq: 14 Dec 2021 13:07

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 19910

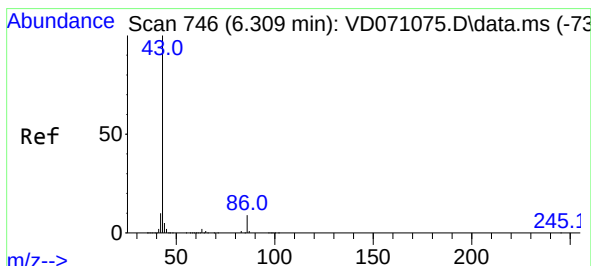
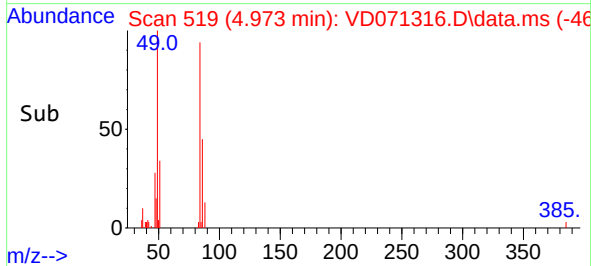
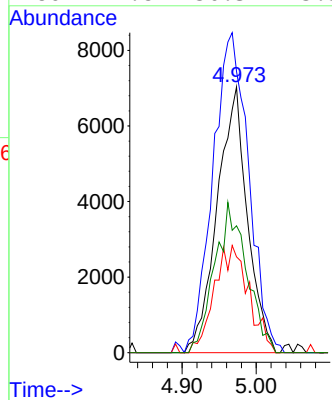
Ion Ratio Lower Upper

84 100

49 103.3 95.8 143.6

51 36.1 30.9 46.3

86 47.8 50.3 75.5#



#23

Vinyl Acetate

Concen: 27.241 ug/l

RT: 6.326 min Scan# 749

Delta R.T. 0.017 min

Lab File: VD071316.D

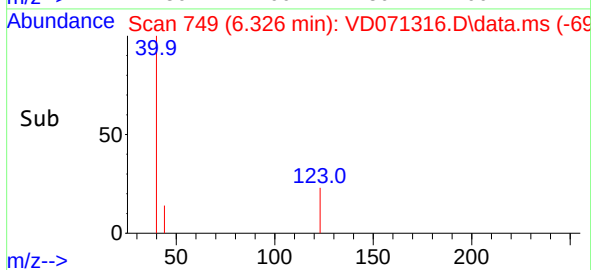
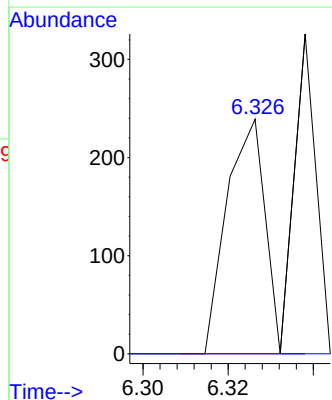
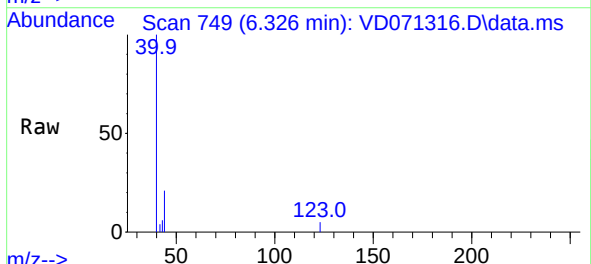
Acq: 14 Dec 2021 13:07

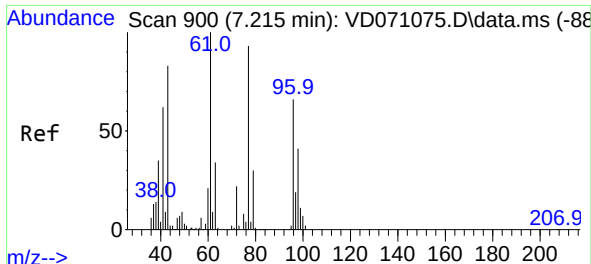
Tgt Ion: 43 Resp: 148

Ion Ratio Lower Upper

43 100

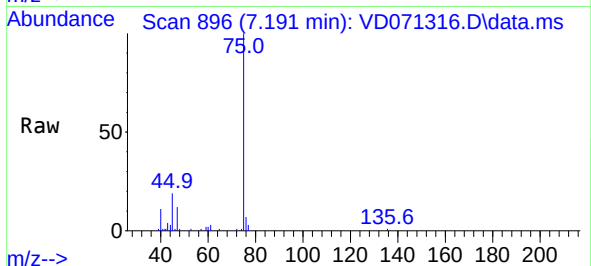
86 0.0 8.2 12.4#



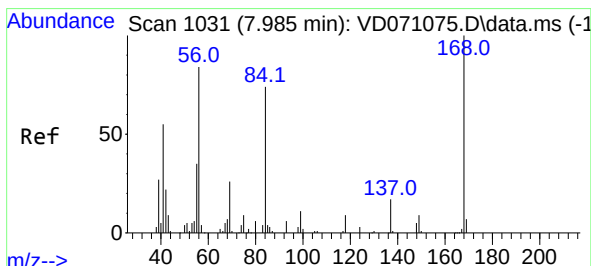
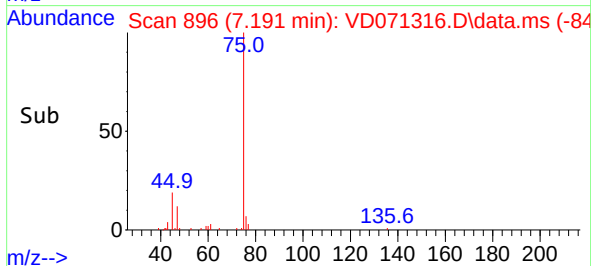
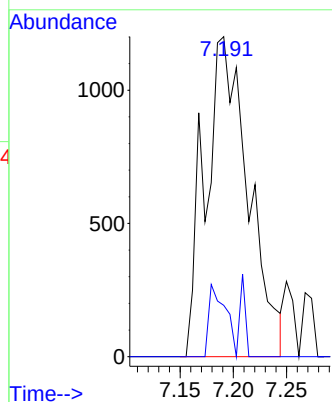


#25
2-Butanone
Concen: 31.043 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :

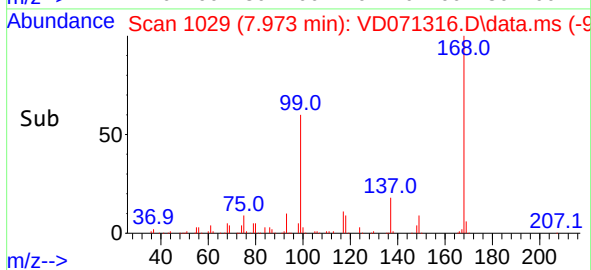
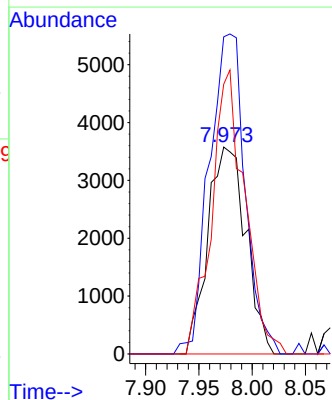
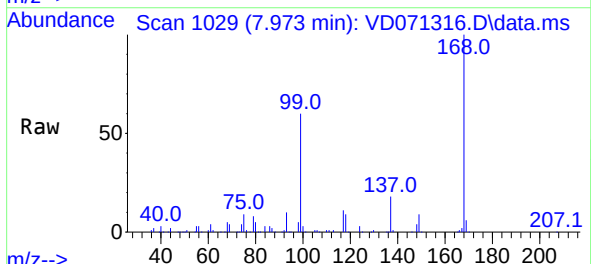


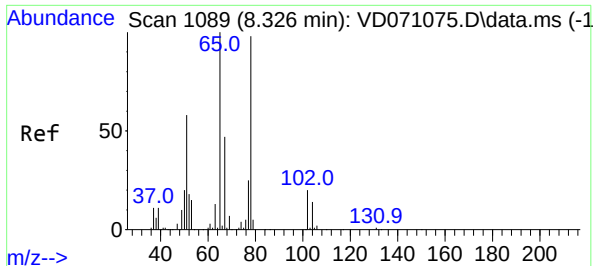
Tgt Ion: 43 Resp: 3381
Ion Ratio Lower Upper
43 100
72 16.1 23.8 35.6#



#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion: 56 Resp: 8889
Ion Ratio Lower Upper
56 100
69 153.3 25.9 38.9#
84 130.5 64.3 96.5#

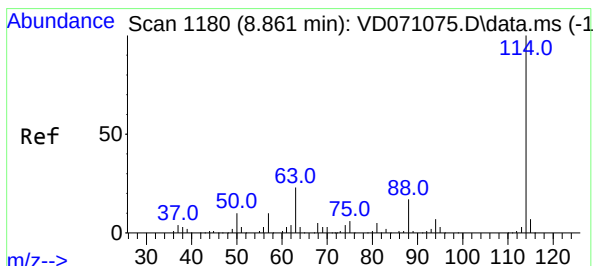
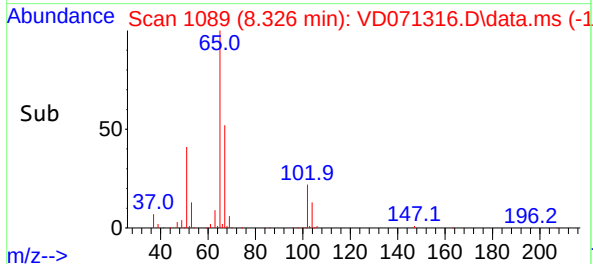
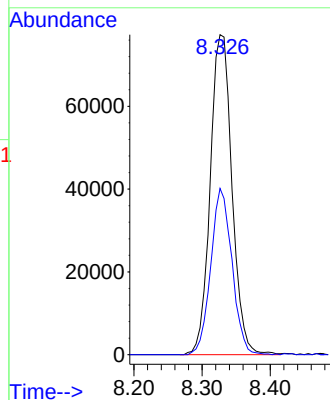
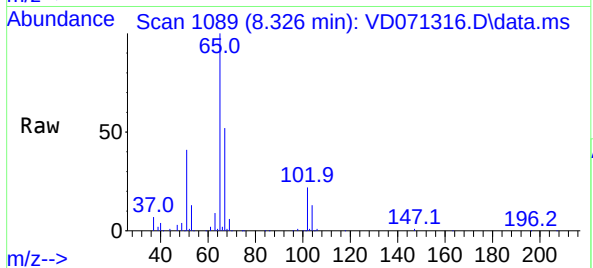




#33
1,2-Dichloroethane-d4
Concen: 47.231 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

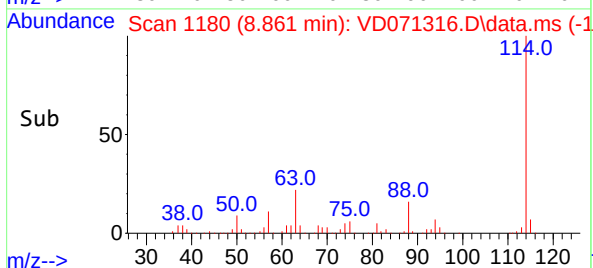
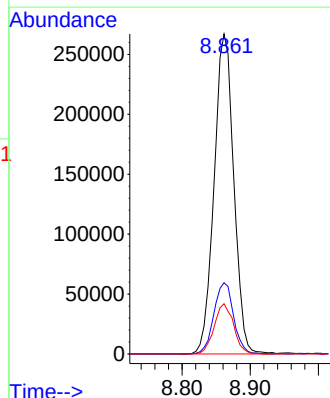
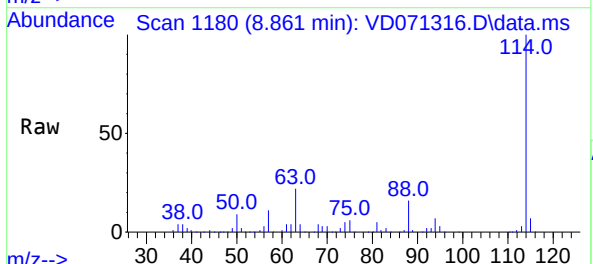
Instrument :
MSVOA_D
ClientSampleId :

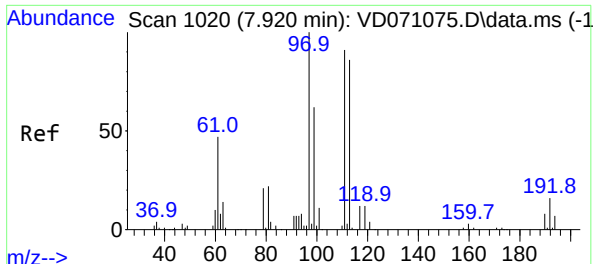
Tgt Ion: 65 Resp: 171991
Ion Ratio Lower Upper
65 100
67 50.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

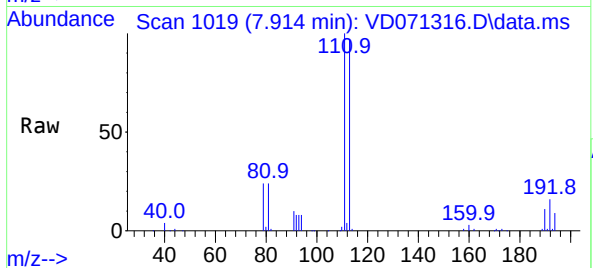
Tgt Ion:114 Resp: 536700
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.8
88 15.7 0.0 32.8



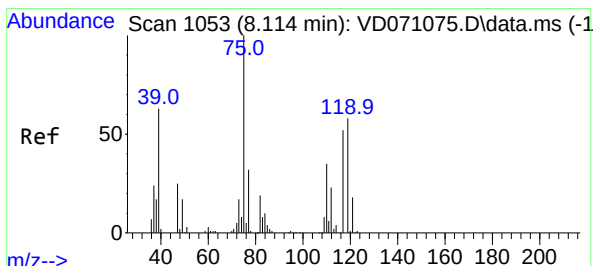
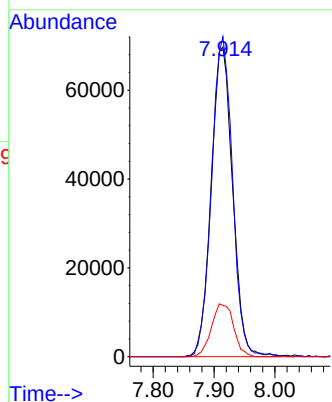
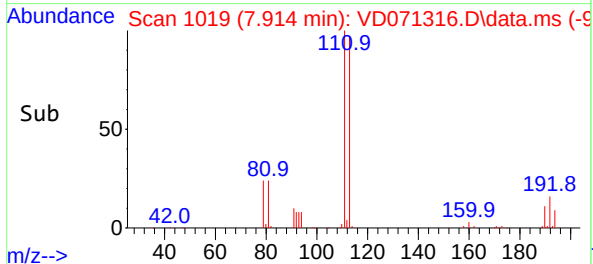


#35
Dibromofluoromethane
Concen: 49.921 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :

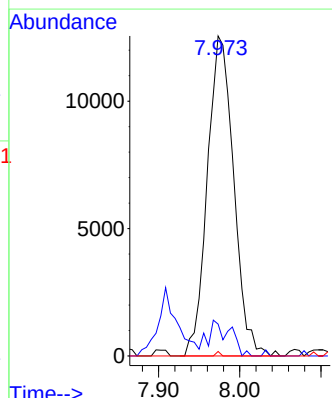
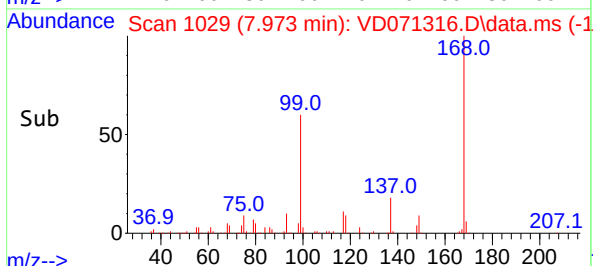
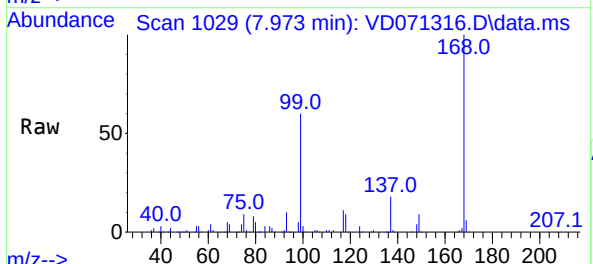


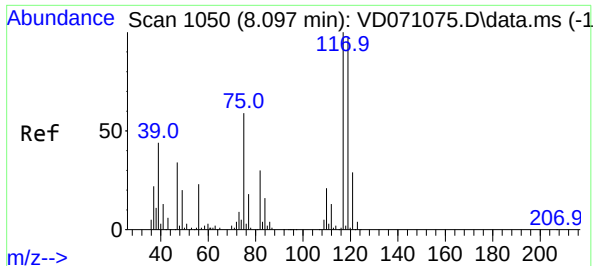
Tgt Ion:113 Resp: 170612
Ion Ratio Lower Upper
113 100
111 100.9 82.0 123.0
192 17.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.656 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

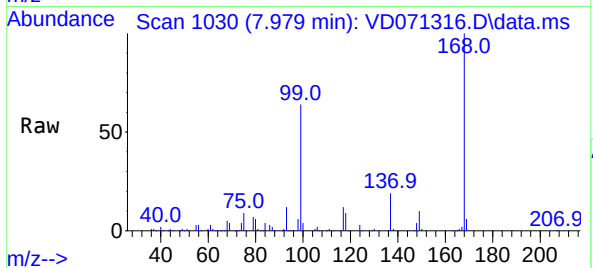
Tgt Ion: 75 Resp: 28370
Ion Ratio Lower Upper
75 100
110 4.0 17.8 53.4#
77 0.2 24.8 37.2#



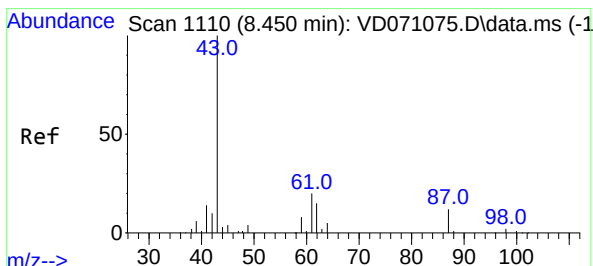
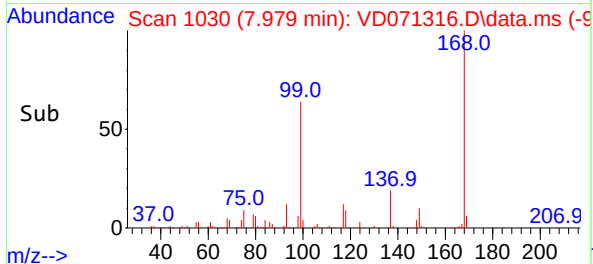
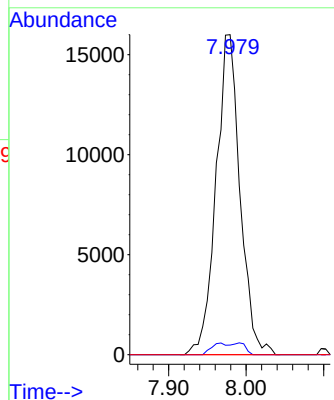


#38
Carbon Tetrachloride
Concen: 6.963 ug/l
RT: 7.979 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :

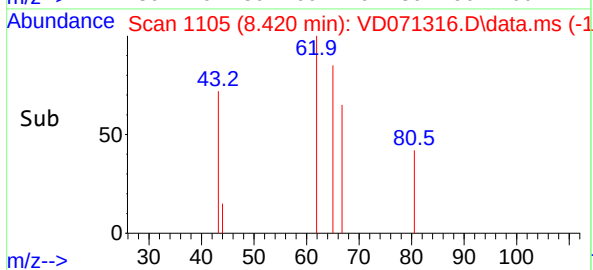
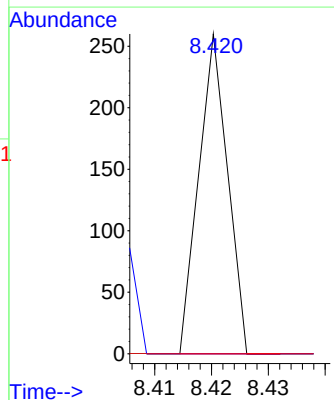
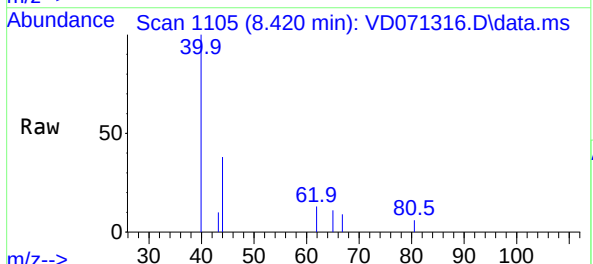


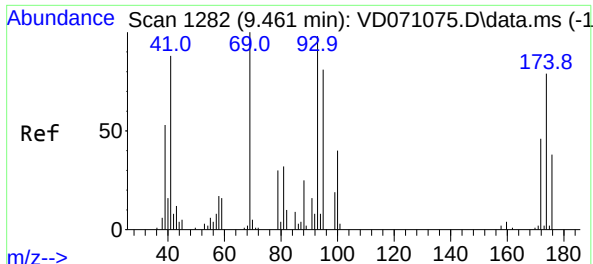
Tgt Ion:117 Resp: 34429
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.240 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. -0.030 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

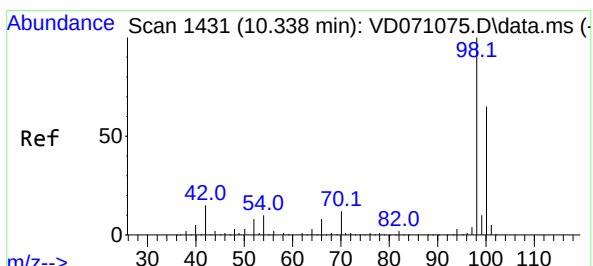
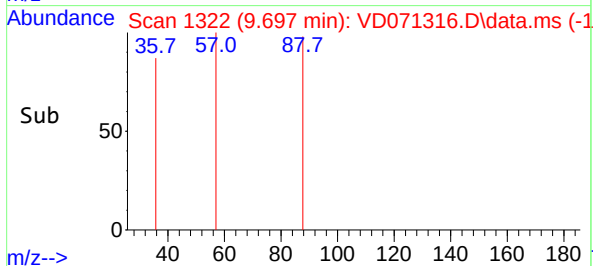
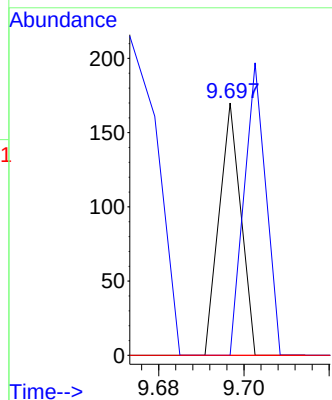
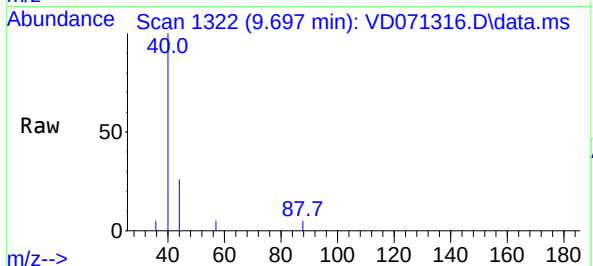




#49
1,4-Dioxane
Concen: 3.343 ug/l
RT: 9.697 min Scan# 11
Delta R.T. 0.236 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

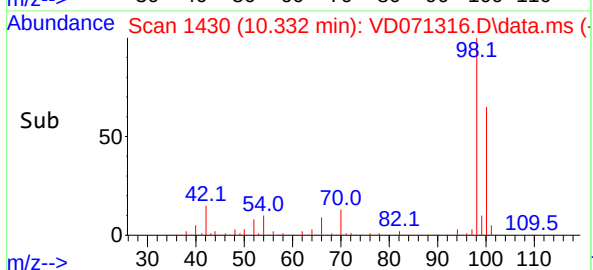
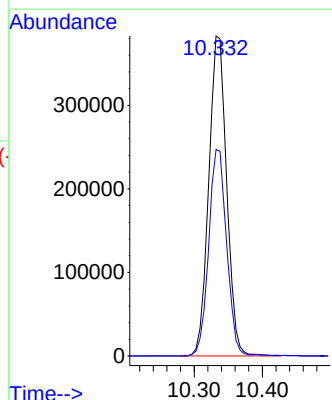
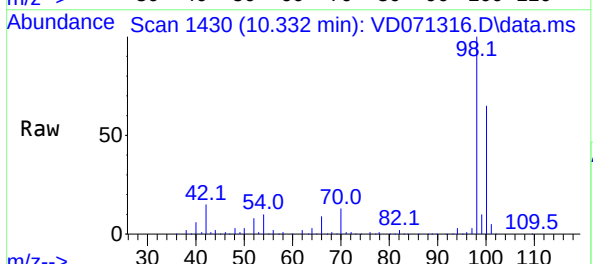
Instrument :
MSVOA_D
ClientSampleId :

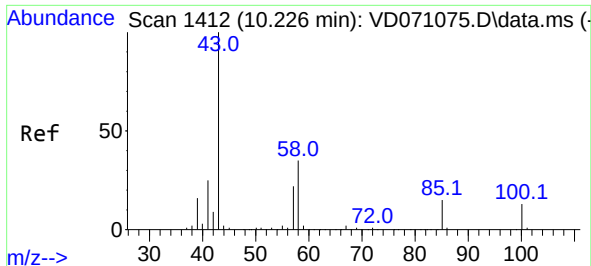
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 115.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 53.821 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion: 98 Resp: 699992
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

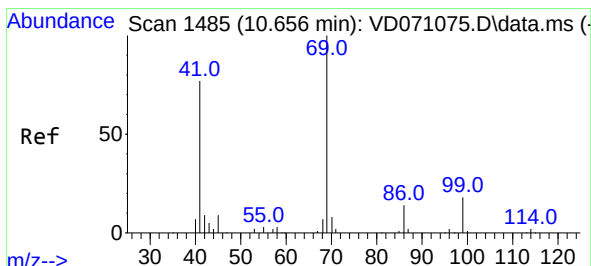
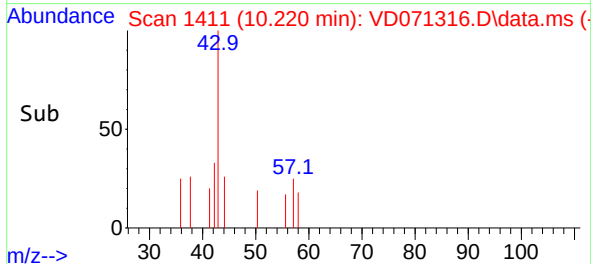
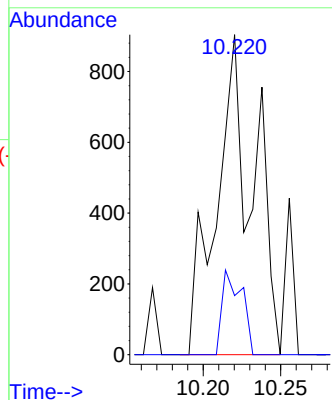
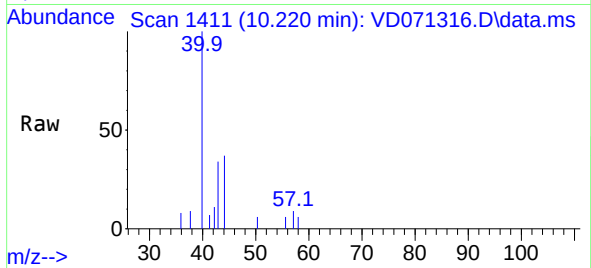




#51
4-Methyl-2-Pentanone
Concen: 31.194 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

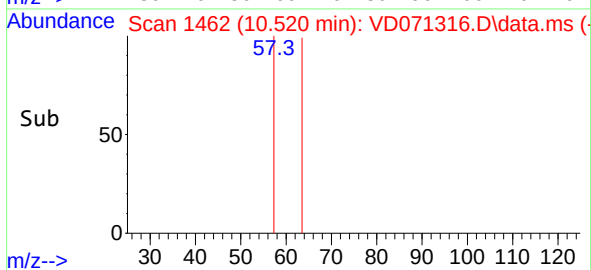
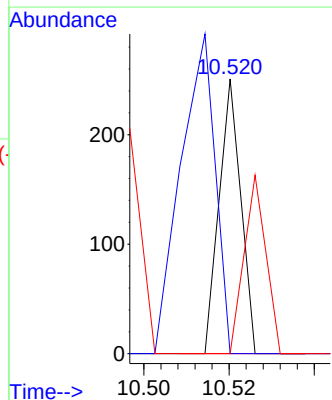
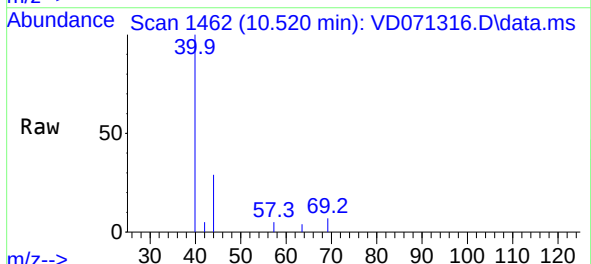
Instrument :
MSVOA_D
ClientSampleId :

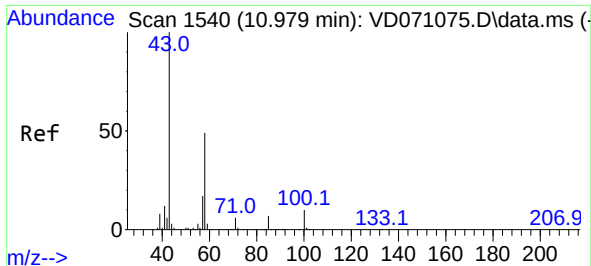
Tgt Ion: 43 Resp: 1509
Ion Ratio Lower Upper
43 100
58 13.9 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.993 ug/l
RT: 10.520 min Scan# 1462
Delta R.T. -0.136 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion: 69 Resp: 89
Ion Ratio Lower Upper
69 100
41 183.1 50.2 75.2#
39 64.0 19.8 29.8#

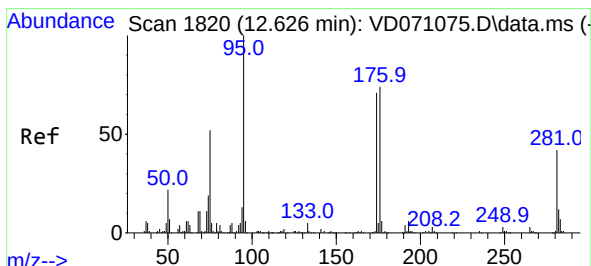
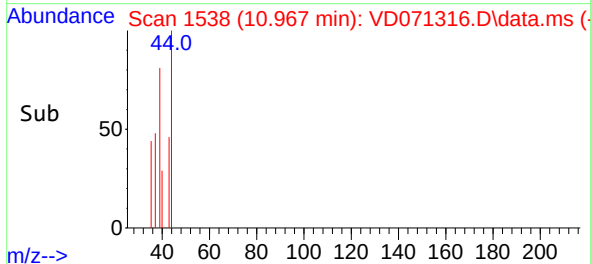
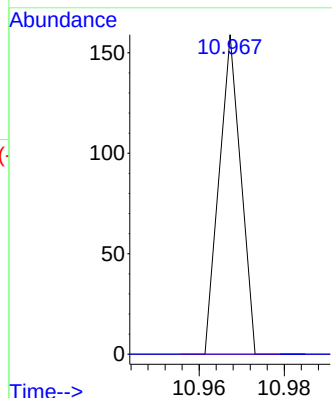
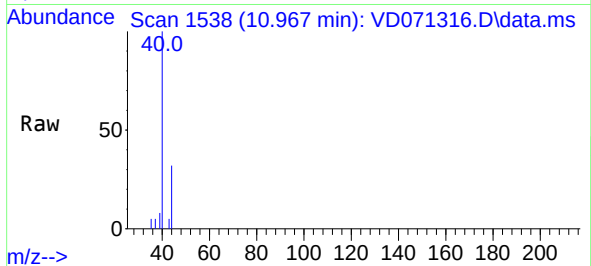




#59
2-Hexanone
Concen: 34.600 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

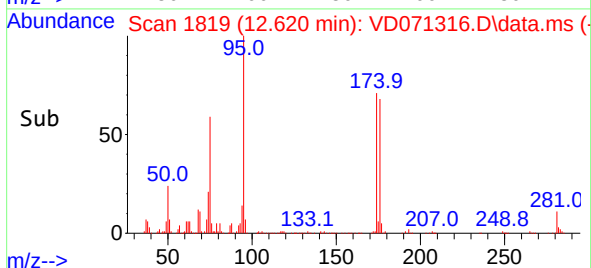
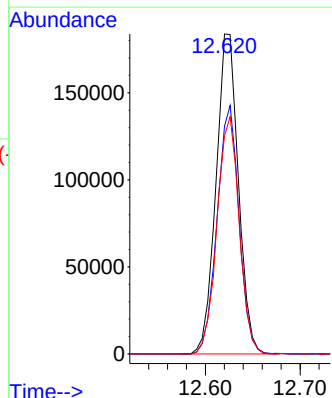
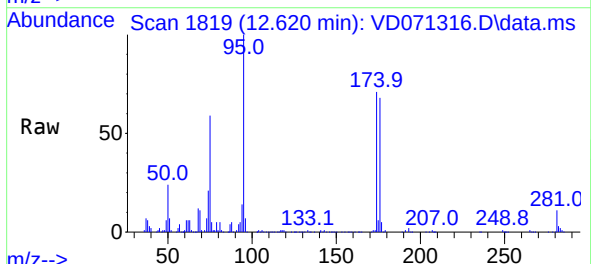
Instrument :
MSVOA_D
ClientSampleId :

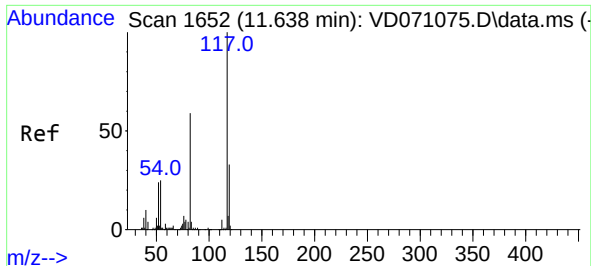
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 66.889 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

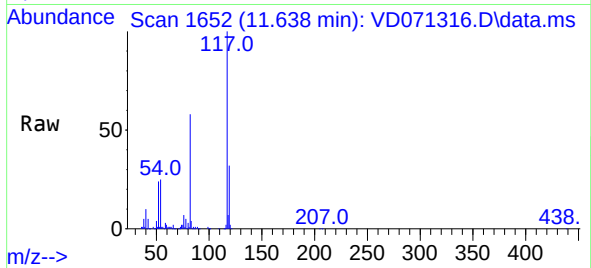
Tgt Ion: 95 Resp: 301559
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 73.6 0.0 154.0



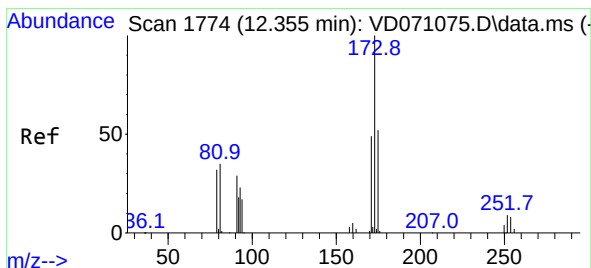
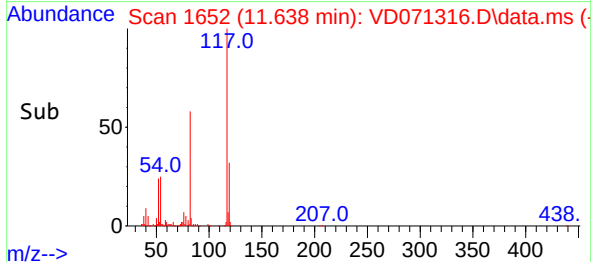
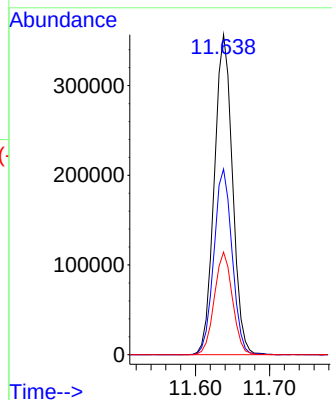


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :

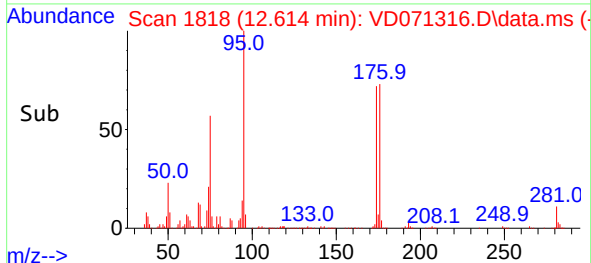
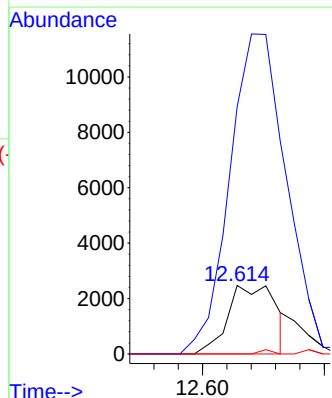
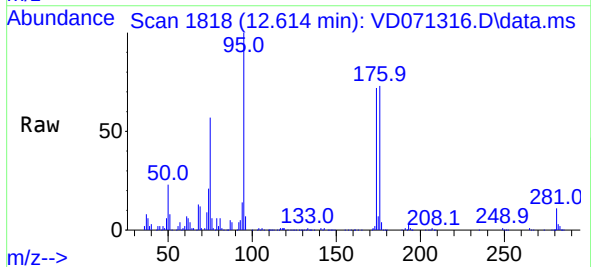


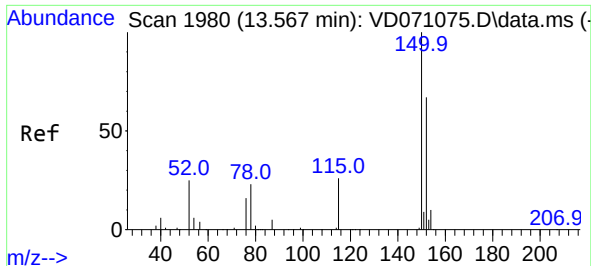
Tgt Ion:117 Resp: 608434
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 32.0 26.2 39.4



#71
Bromoform
Concen: 1.596 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

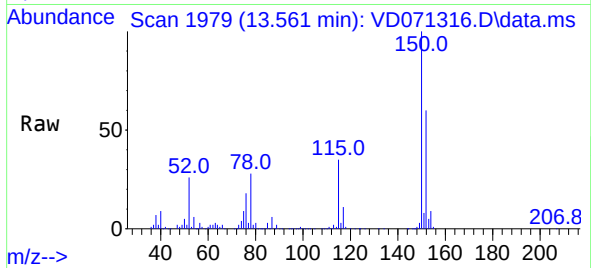
Tgt Ion:173 Resp: 3409
Ion Ratio Lower Upper
173 100
175 474.2 24.1 72.2#
254 1.6 0.1 0.1#



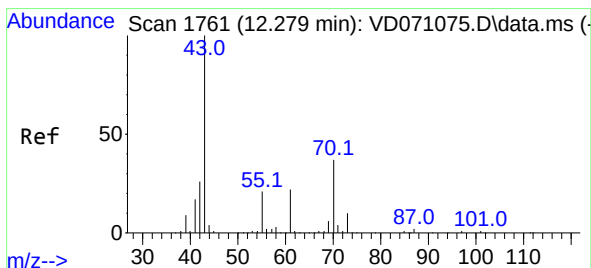
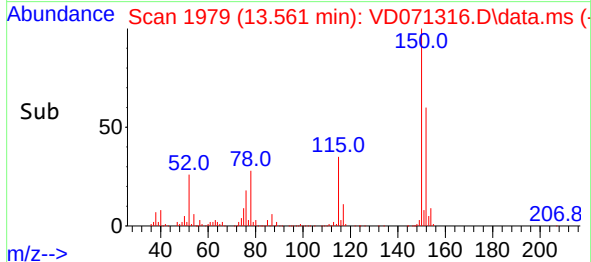
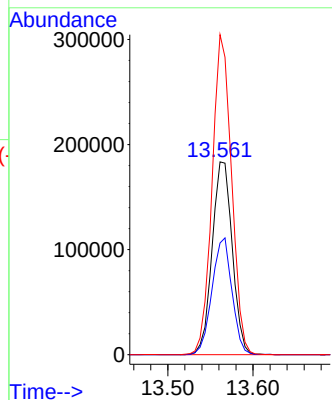


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :

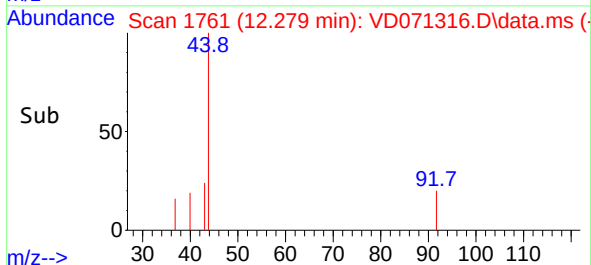
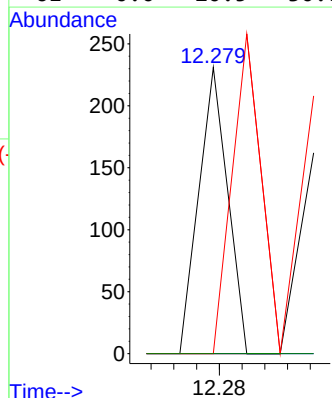
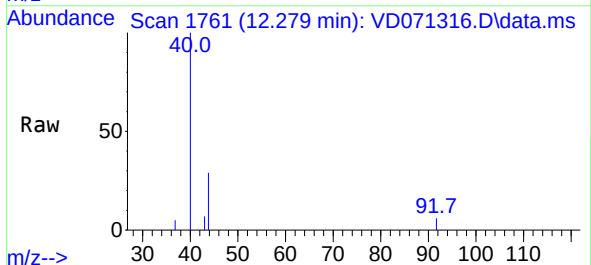


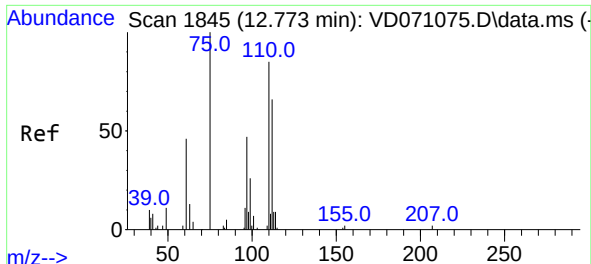
Tgt Ion:152 Resp: 301603
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 160.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.713 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 202.5 22.5 33.7#
61 0.0 20.5 30.7#

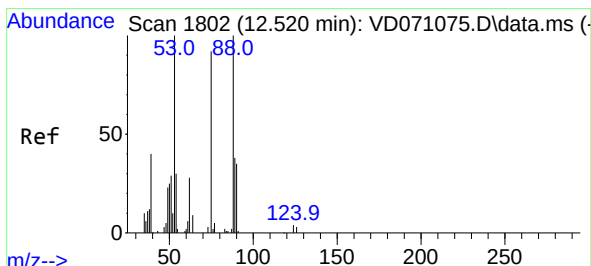
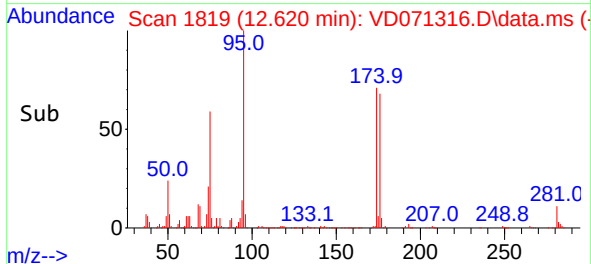
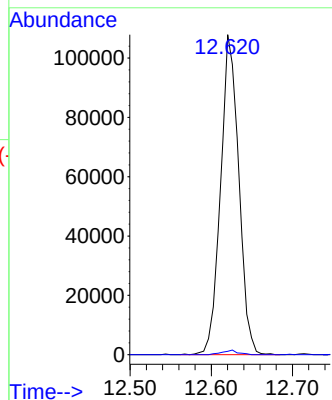
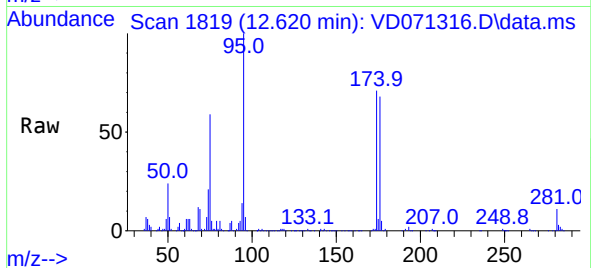




#76
1,2,3-Trichloropropane
Concen: 58.654 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 168546
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.121 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071316.D
Acq: 14 Dec 2021 13:07

Tgt Ion: 75 Resp: 168546
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#

