

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101022\
 Data File : VD074506.D
 Acq On : 10 Oct 2022 16:56
 Operator : VA/SY
 Sample : N5058-06RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 08:21:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

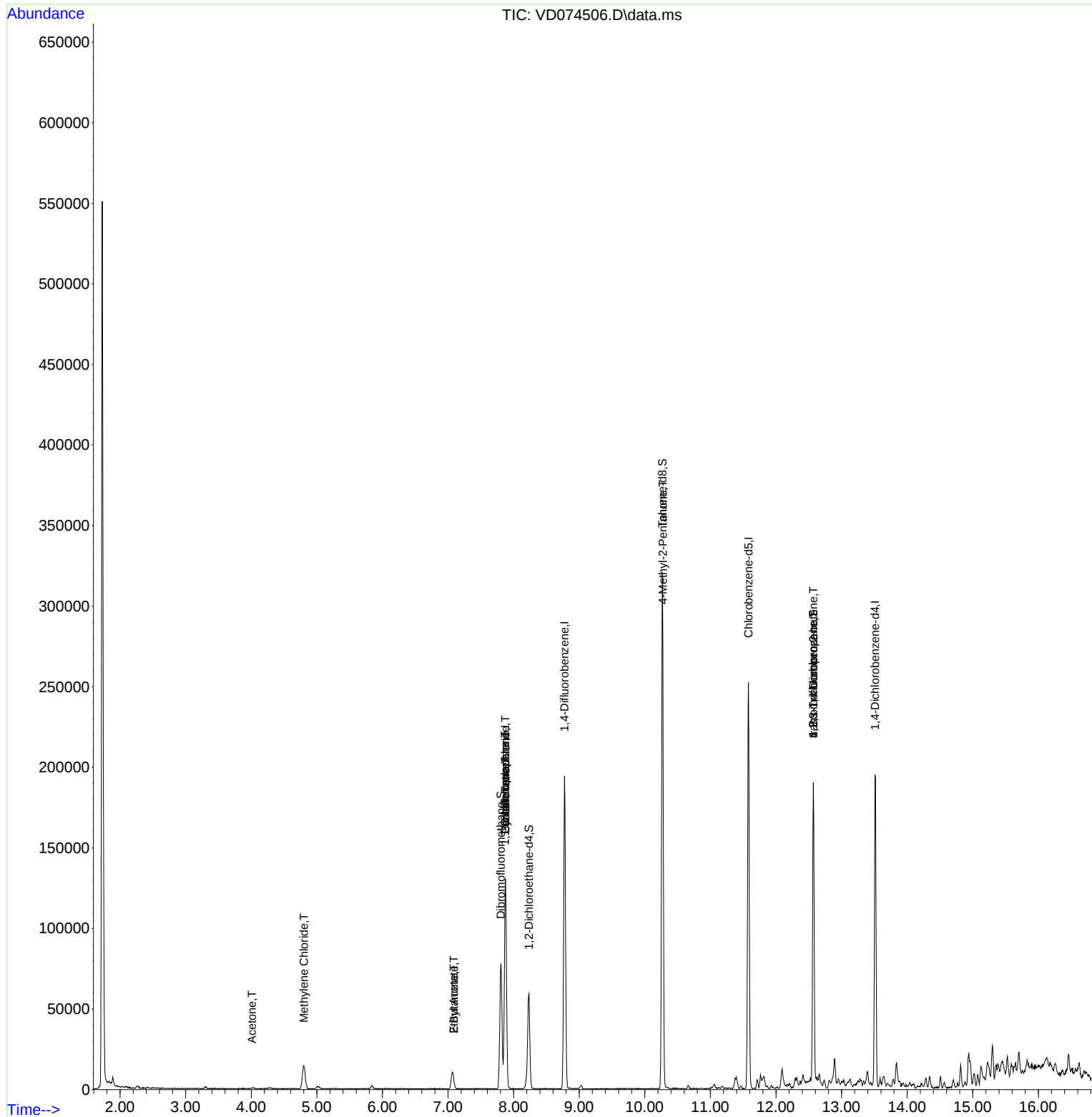
Internal Standards						
1) Pentafluorobenzene	7.875	168	104007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	182148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	155367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	54278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	44817	48.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.000%
35) Dibromofluoromethane	7.805	113	57197	47.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.240%
50) Toluene-d8	10.269	98	228517	52.012	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.020%
62) 4-Bromofluorobenzene	12.569	95	57729	41.534	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.069	59	94	Below Cal	#	84
16) Acetone	4.011	43	449	13.649	ug/l	88
20) Methylene Chloride	4.805	84	12511	4.004	ug/l #	92
25) 2-Butanone	7.087	43	642	2.422	ug/l #	42
31) Cyclohexane	7.875	56	2044	1.101	ug/l #	44
36) 1,1-Dichloropropene	7.869	75	7431	4.408	ug/l #	48
37) Ethyl Acetate	7.087	43	642	1.160	ug/l #	83
38) Carbon Tetrachloride	7.875	117	10147	6.792	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	765	1.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	28843	69.225	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	28843	154.449	ug/l #	17

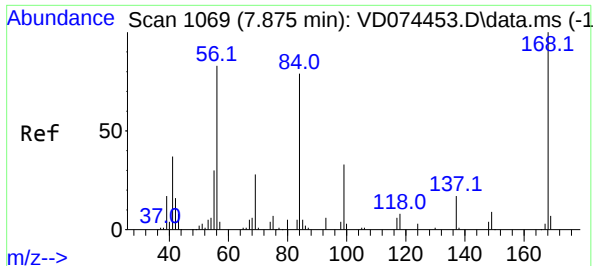
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

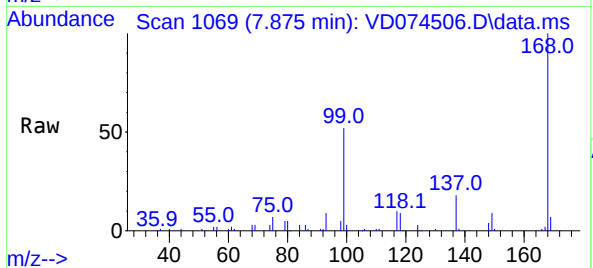
Quant Time: Oct 11 08:21:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 2022
Response via : Initial Calibration



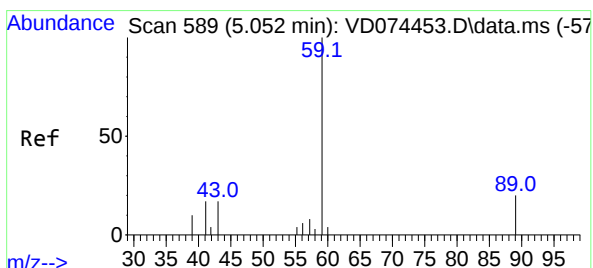
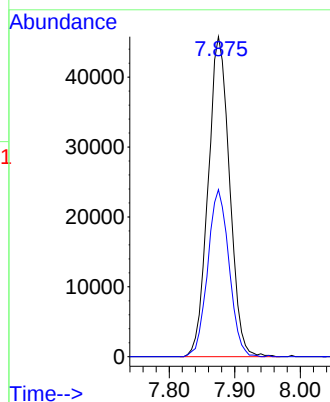
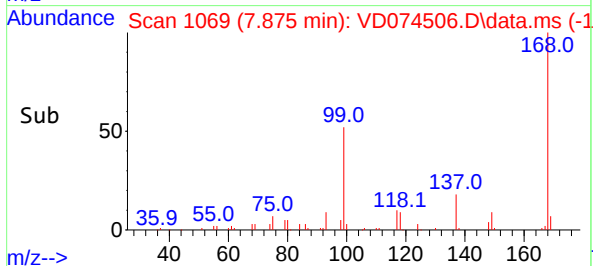


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

Instrument :
MSVOA_D
ClientSampleId :

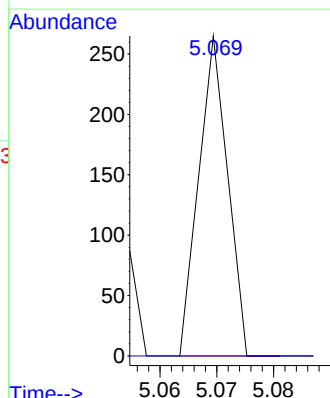
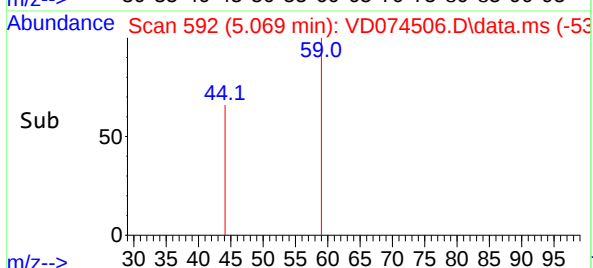
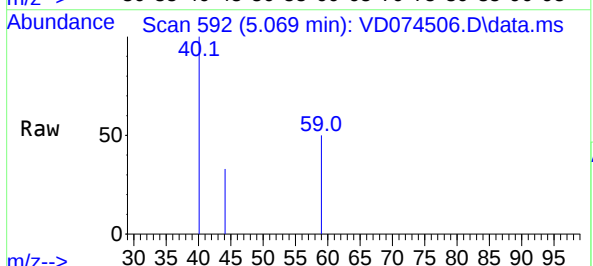


Tgt Ion:168 Resp: 104007
Ion Ratio Lower Upper
168 100
99 52.2 40.9 61.3

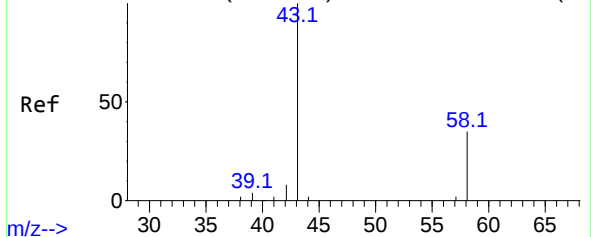


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.069 min Scan# 592
Delta R.T. 0.017 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

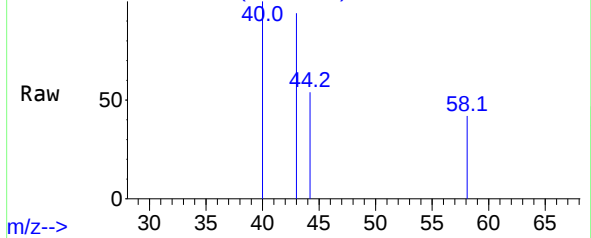
Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



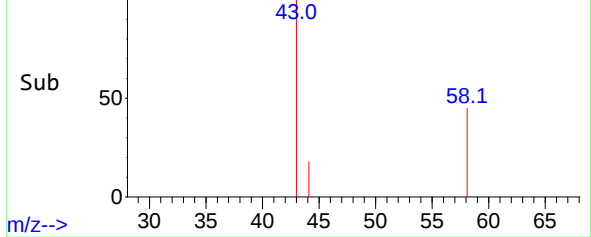
Abundance Scan 414 (4.022 min): VD074453.D\data.ms (-40



m/z--> Scan 412 (4.011 min): VD074506.D\data.ms



m/z--> Abundance Scan 412 (4.011 min): VD074506.D\data.ms (-36



m/z-->

#16

Acetone

Concen: 13.649 ug/l

RT: 4.011 min Scan# 41

Delta R.T. -0.011 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

Instrument :

MSVOA_D

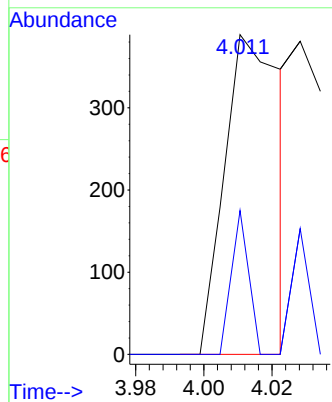
ClientSampleId :

Tgt Ion: 43 Resp: 449

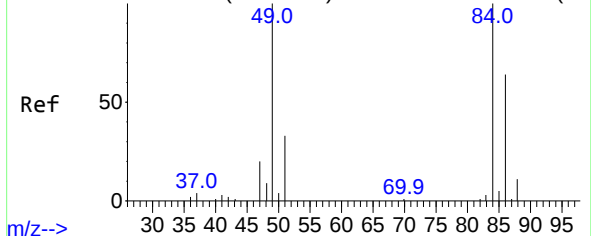
Ion Ratio Lower Upper

43 100

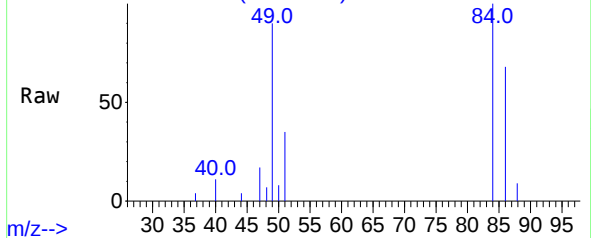
58 45.0 30.2 45.2



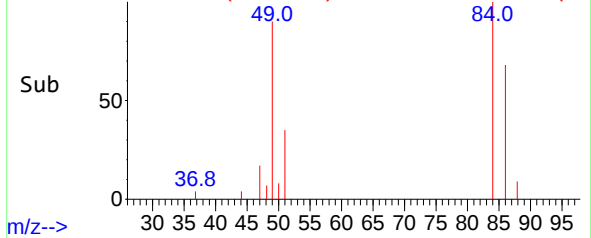
Abundance Scan 546 (4.799 min): VD074453.D\data.ms (-53



m/z--> Scan 547 (4.805 min): VD074506.D\data.ms



m/z--> Abundance Scan 547 (4.805 min): VD074506.D\data.ms (-49



m/z-->

#20

Methylene Chloride

Concen: 4.004 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

Tgt Ion: 84 Resp: 12511

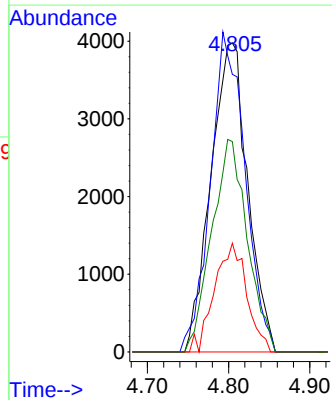
Ion Ratio Lower Upper

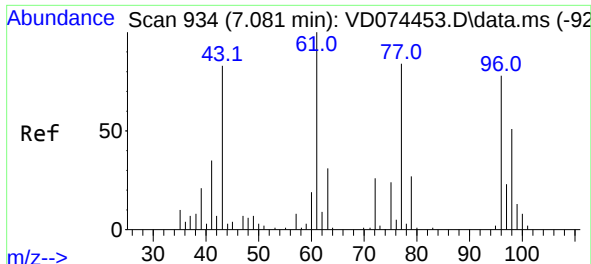
84 100

49 89.9 68.0 102.0

51 35.2 23.2 34.8#

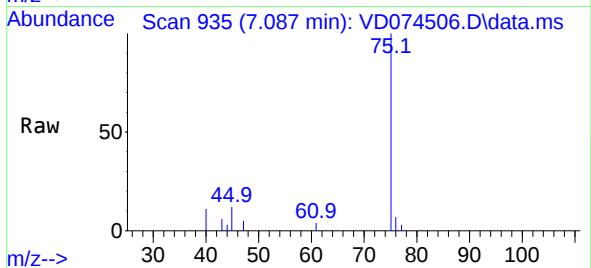
86 68.1 48.0 72.0



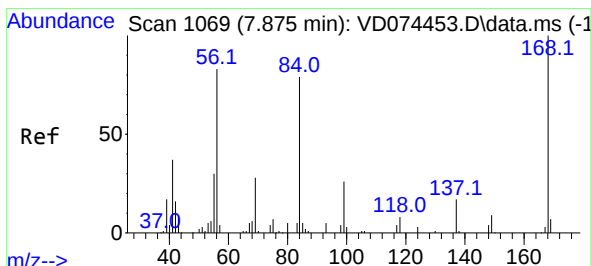
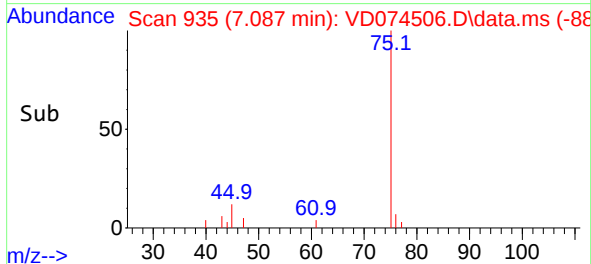
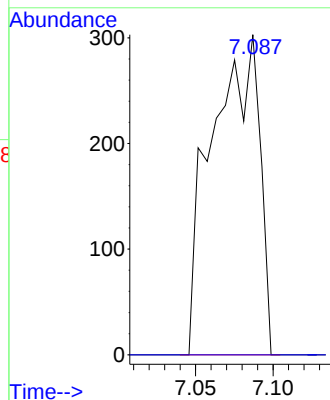


#25
2-Butanone
Concen: 2.422 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

Instrument :
MSVOA_D
ClientSampleId :

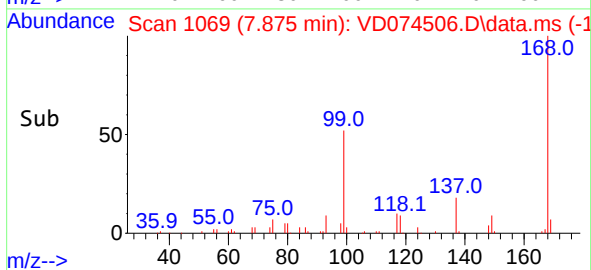
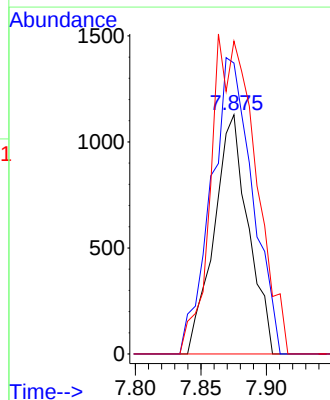
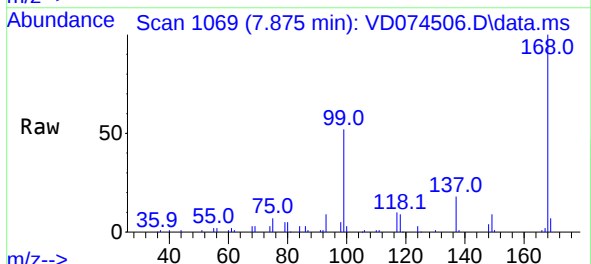


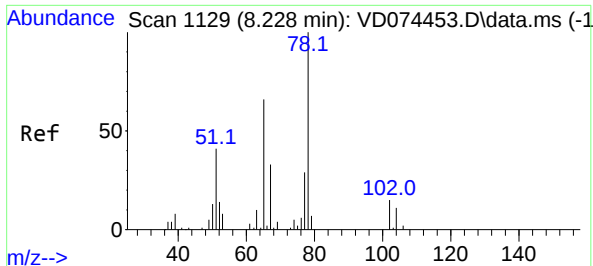
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

Tgt Ion: 56 Resp: 2044
Ion Ratio Lower Upper
56 100
69 121.6 29.2 43.8#
84 130.8 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 48.500 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

Instrument :

MSVOA_D

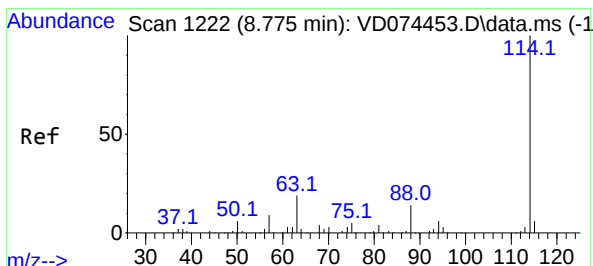
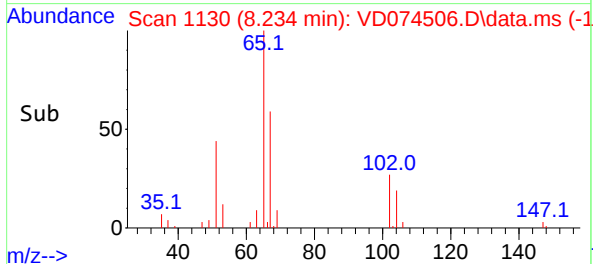
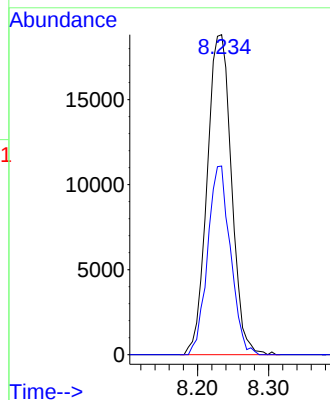
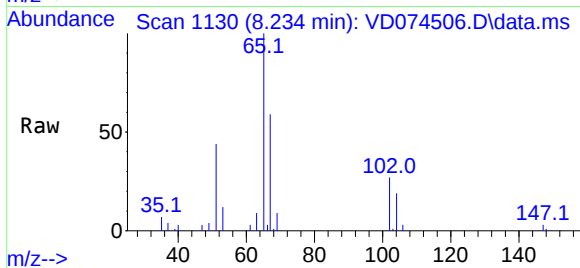
ClientSampleId :

Tgt Ion: 65 Resp: 44817

Ion Ratio Lower Upper

65 100

67 55.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

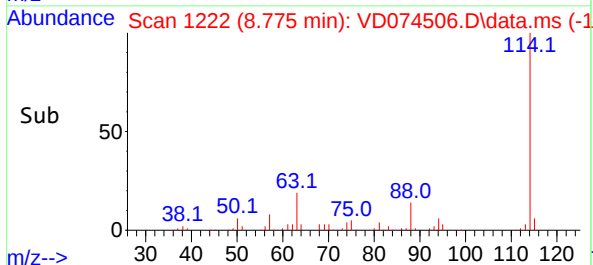
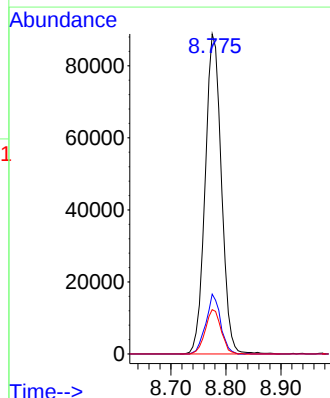
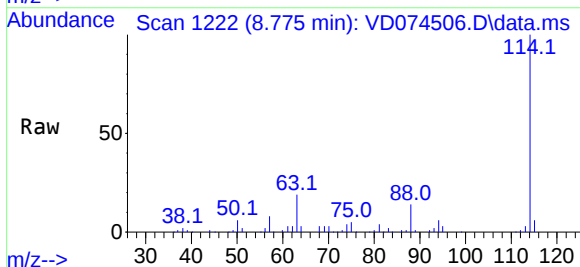
Tgt Ion: 114 Resp: 182148

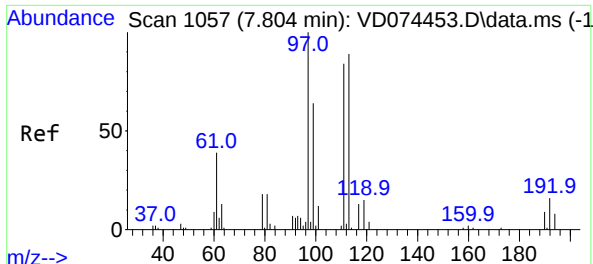
Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.2

88 13.9 0.0 28.2





#35

Dibromofluoromethane

Concen: 47.620 ug/l

RT: 7.805 min Scan# 1068

Delta R.T. 0.000 min

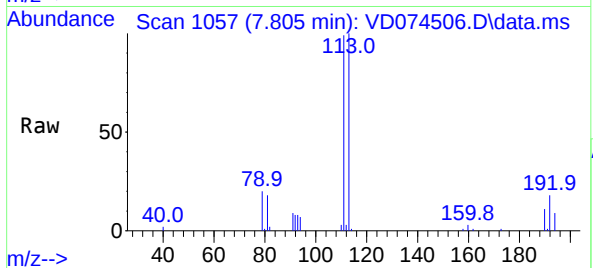
Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

Instrument :

MSVOA_D

ClientSampleId :



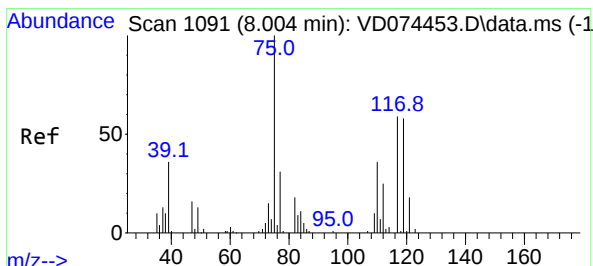
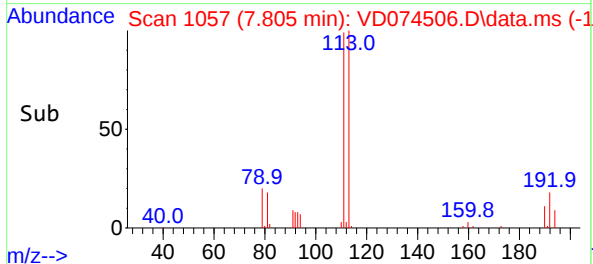
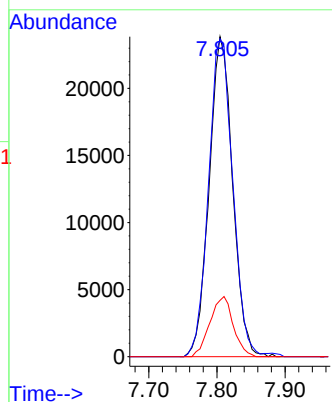
Tgt Ion:113 Resp: 57197

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

192 18.7 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.408 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

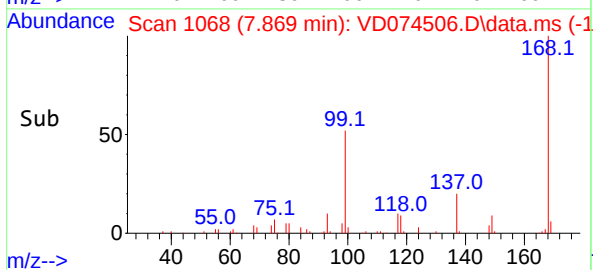
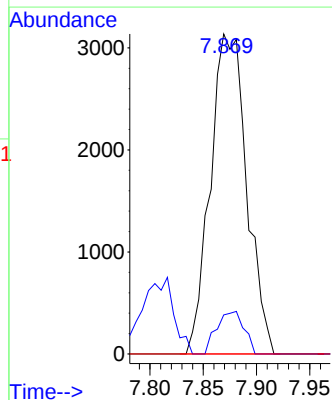
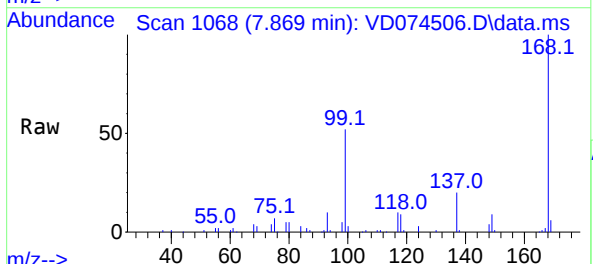
Tgt Ion: 75 Resp: 7431

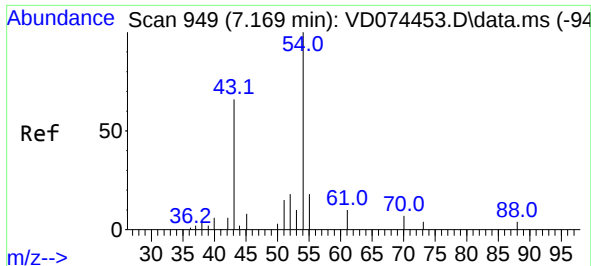
Ion Ratio Lower Upper

75 100

110 10.0 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.160 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

Instrument :

MSVOA_D

ClientSampleId :

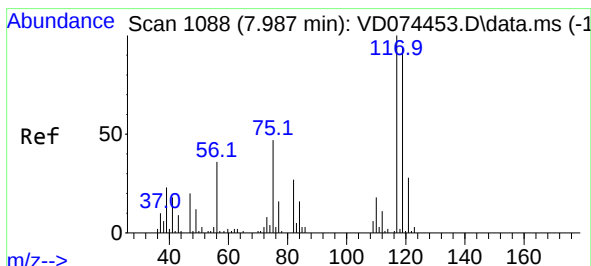
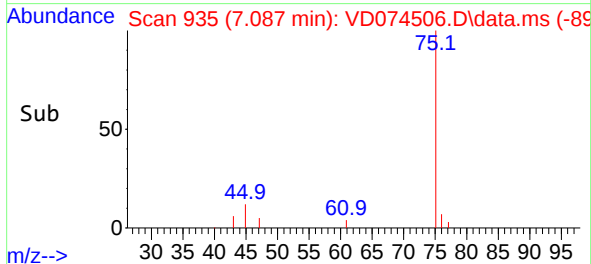
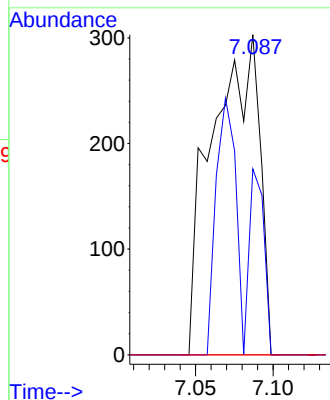
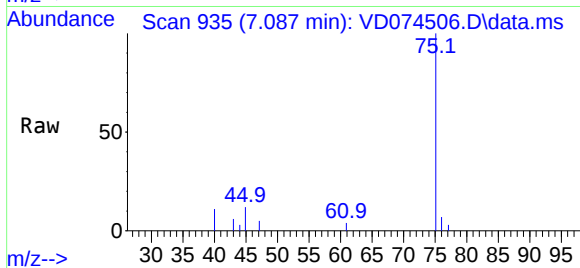
Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

61 17.9 12.2 18.4

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.792 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074506.D

Acq: 10 Oct 2022 16:56

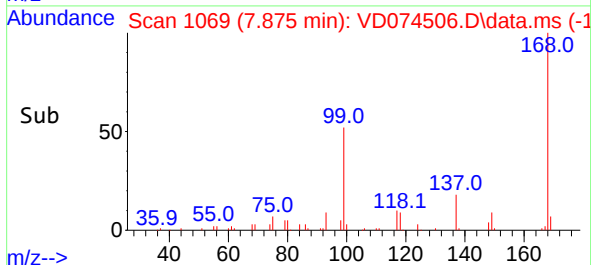
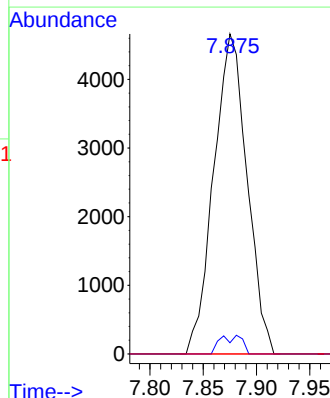
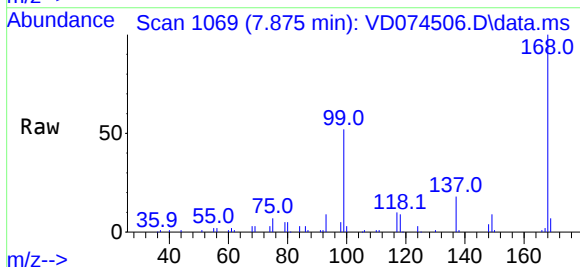
Tgt Ion: 117 Resp: 10147

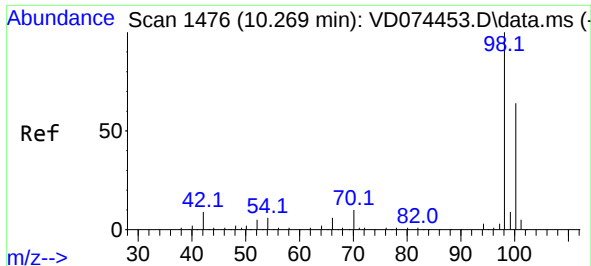
Ion Ratio Lower Upper

117 100

119 3.5 73.1 109.7#

121 0.0 25.0 37.6#

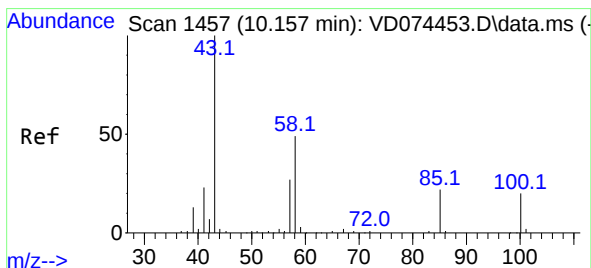
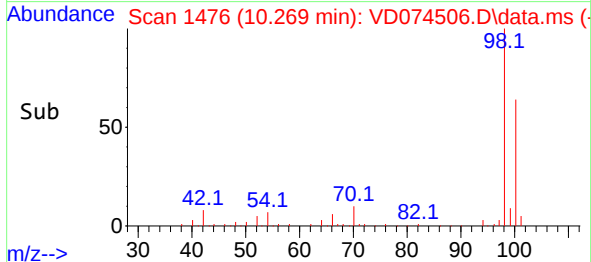
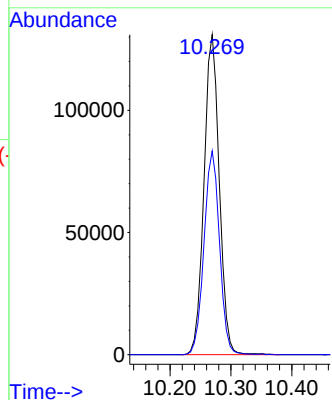
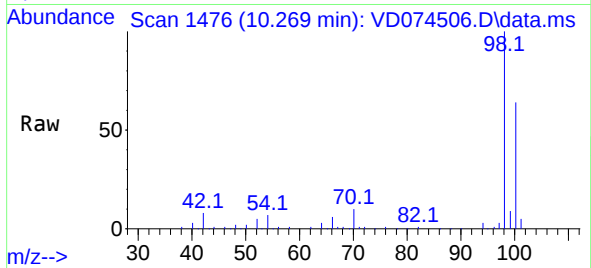




#50
Toluene-d8
Concen: 52.012 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

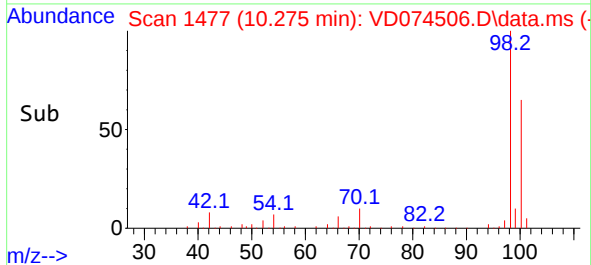
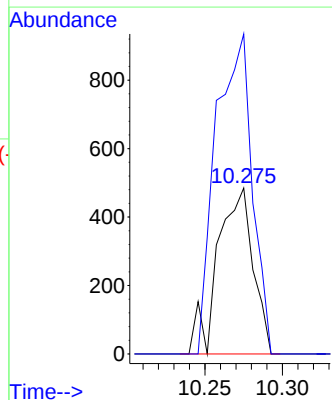
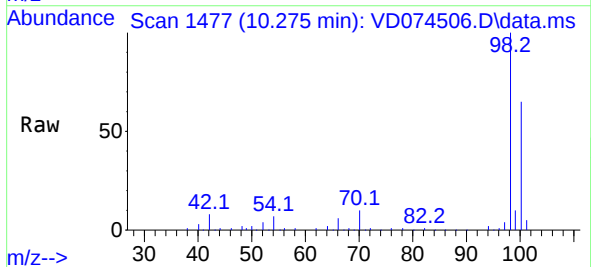
Instrument :
MSVOA_D
ClientSampleId :

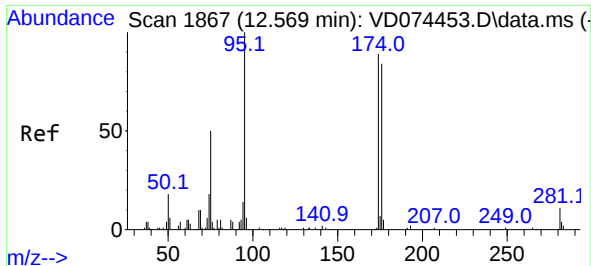
Tgt Ion: 98 Resp: 228517
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.458 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 198.3 37.8 56.6#

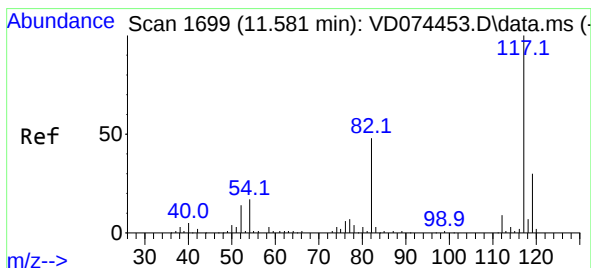
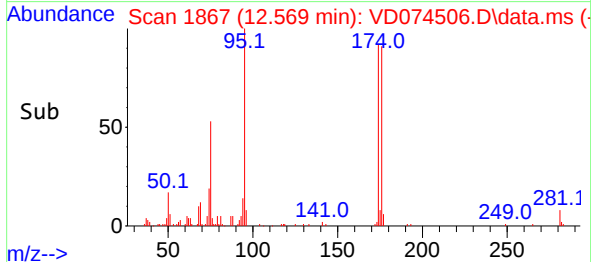
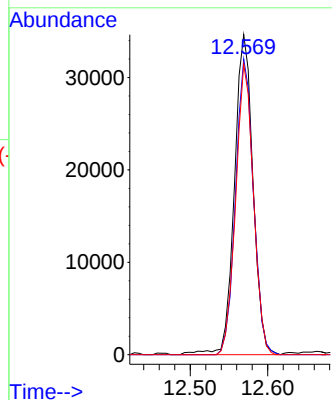
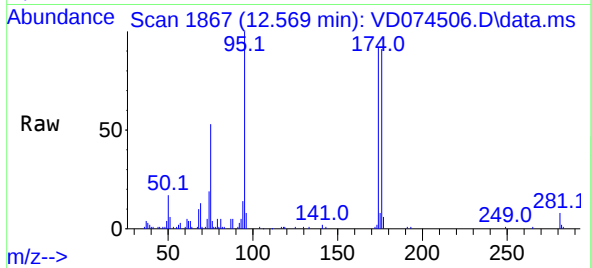




#62
4-Bromofluorobenzene
Concen: 41.534 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

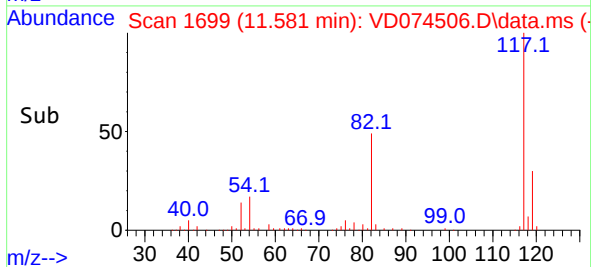
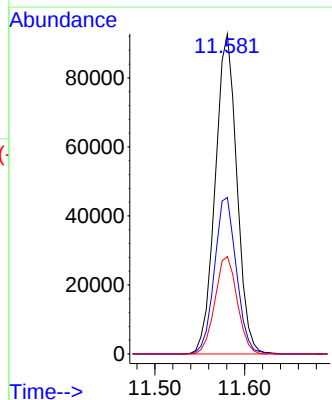
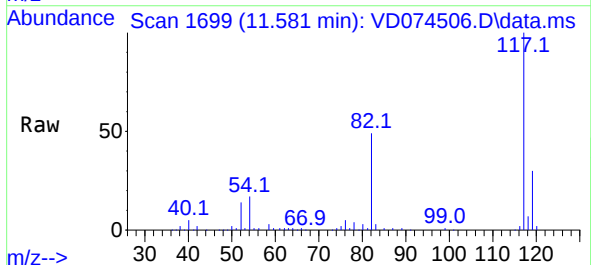
Instrument :
MSVOA_D
ClientSampleId :

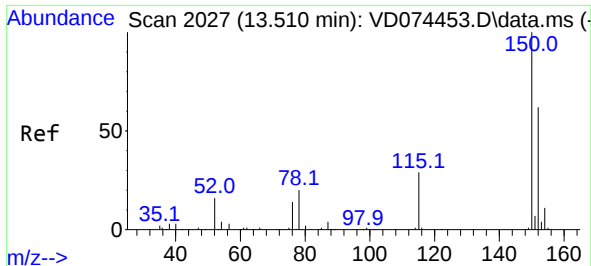
Tgt Ion: 95 Resp: 57729
Ion Ratio Lower Upper
95 100
174 88.7 0.0 197.0
176 86.4 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

Tgt Ion: 117 Resp: 155367
Ion Ratio Lower Upper
117 100
82 48.9 41.6 62.4
119 30.5 25.2 37.8

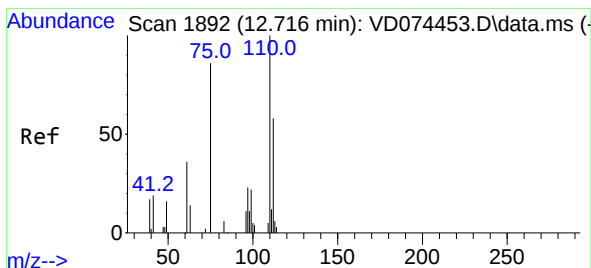
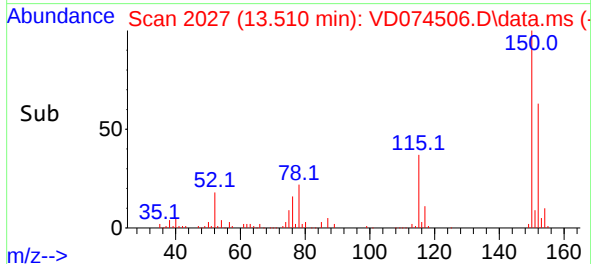
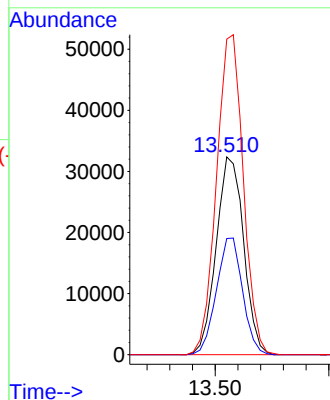
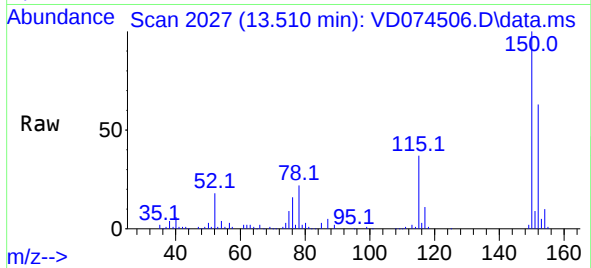




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

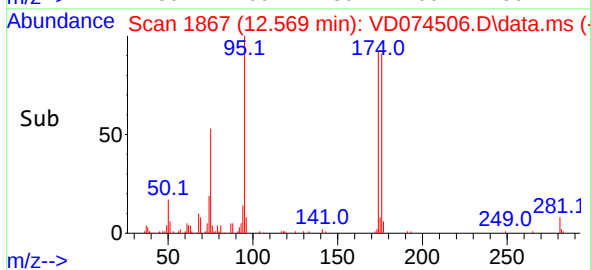
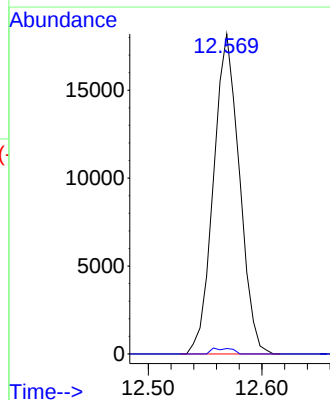
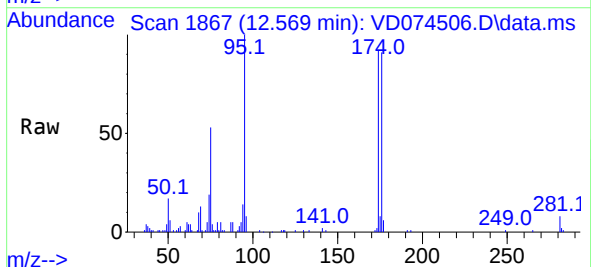
Instrument :
MSVOA_D
ClientSampleId :

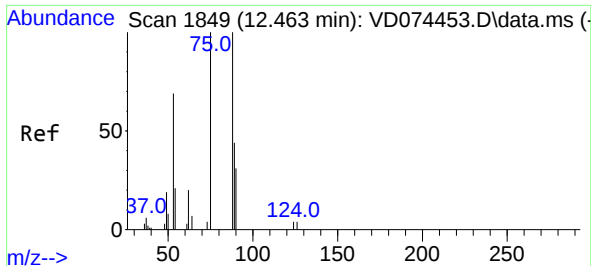
Tgt Ion:152 Resp: 54278
Ion Ratio Lower Upper
152 100
115 56.2 26.8 80.4
150 158.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 69.225 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074506.D
Acq: 10 Oct 2022 16:56

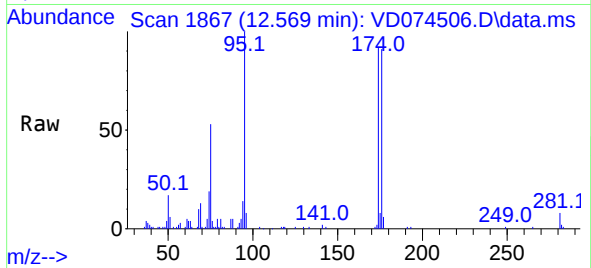
Tgt Ion: 75 Resp: 28843
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.449 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.106 min
 Lab File: VD074506.D
 Acq: 10 Oct 2022 16:56

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	28843
Ion	Ratio	Lower	Upper
75	100		
53	0.2	63.8	95.6#
89	0.0	38.2	57.4#

