

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074854.D
 Acq On : 10 Nov 2022 04:58
 Operator : VA/SY
 Sample : N5494-07
 Misc : 4.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Nov 10 05:51:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

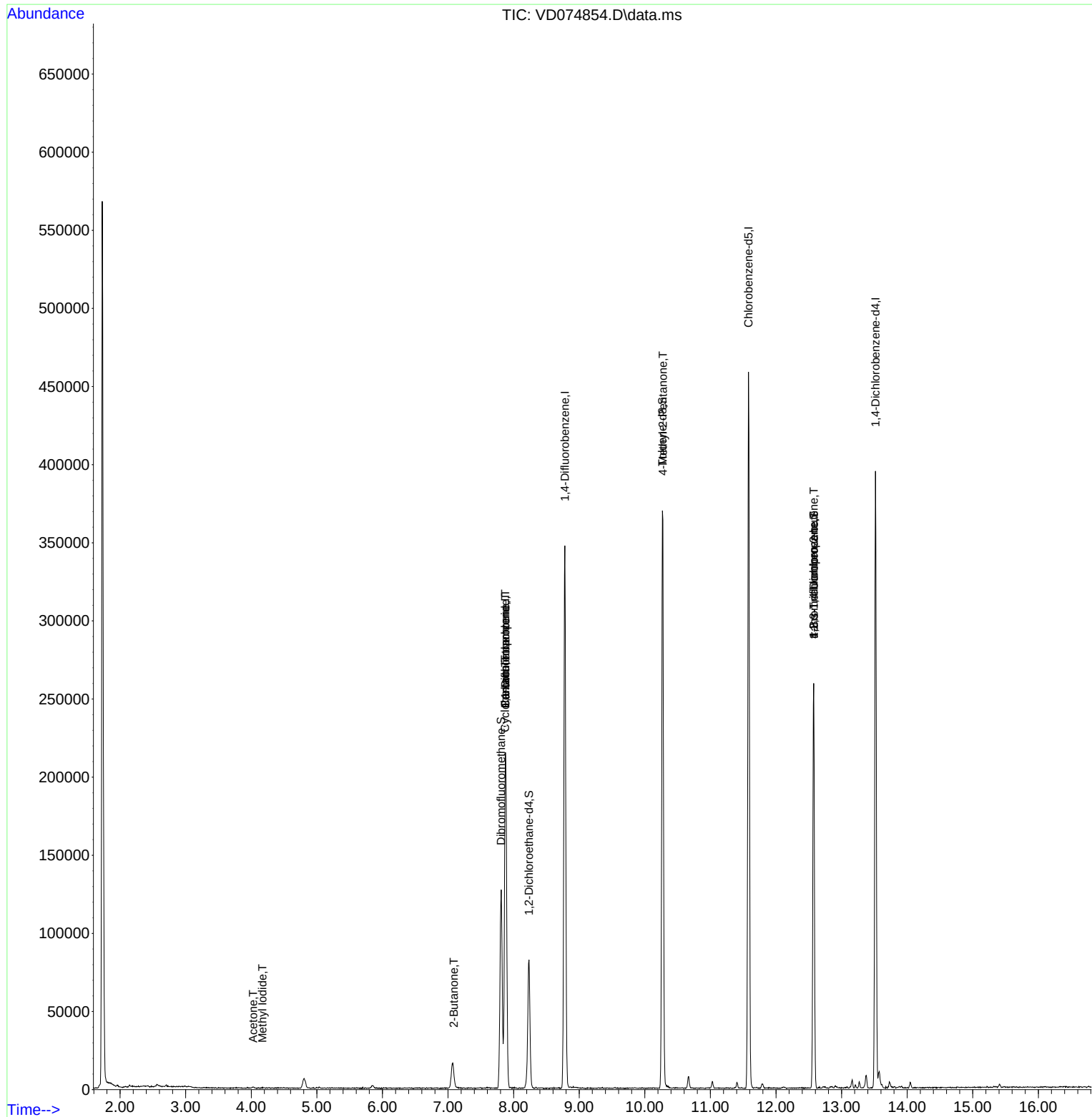
Internal Standards						
1) Pentafluorobenzene	7.875	168	181019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	328582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	284923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63988	44.631	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.260%
35) Dibromofluoromethane	7.810	113	94827	48.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.580%
50) Toluene-d8	10.269	98	275272	38.825	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.660%
62) 4-Bromofluorobenzene	12.575	95	80570	39.358	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.720%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	254	5.647	ug/l #	83
11) Tert butyl alcohol	5.034	59	117	Below Cal	#	84
16) Acetone	4.028	43	1046	3.496	ug/l #	83
20) Methylene Chloride	4.805	84	5729	Below Cal	#	91
25) 2-Butanone	7.087	43	708	1.721	ug/l #	42
31) Cyclohexane	7.869	56	3402	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	13176	4.466	ug/l #	46
38) Carbon Tetrachloride	7.875	117	18215	6.517	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	974	1.097	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	39865	45.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	39865	108.786	ug/l #	17

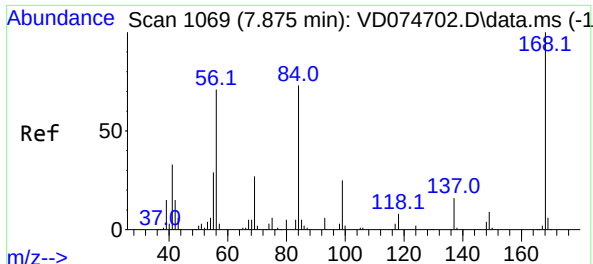
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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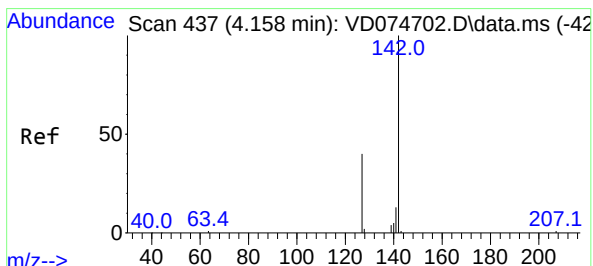
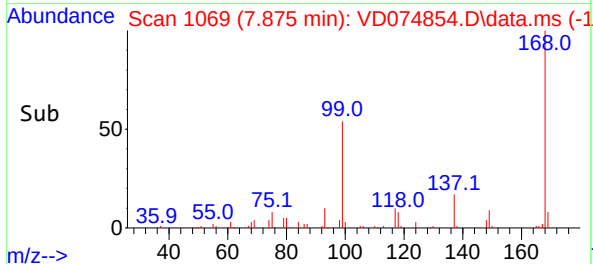
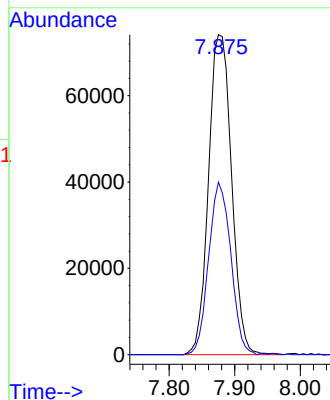
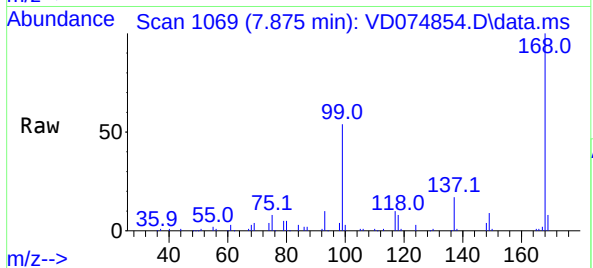




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

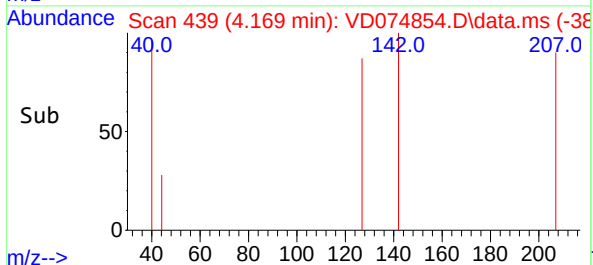
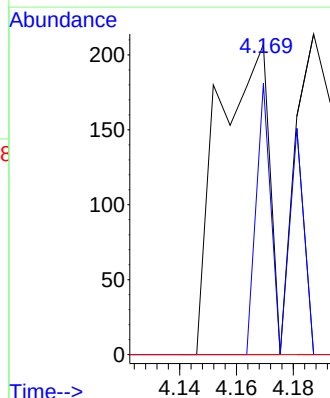
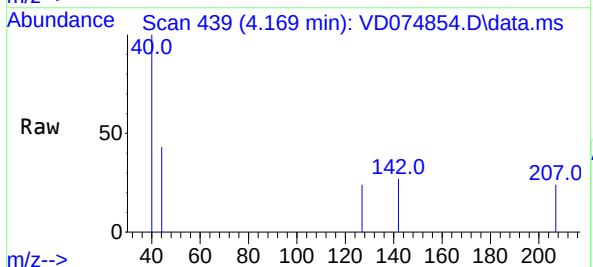
Instrument :
MSVOA_D
ClientSampleId :
TP-3

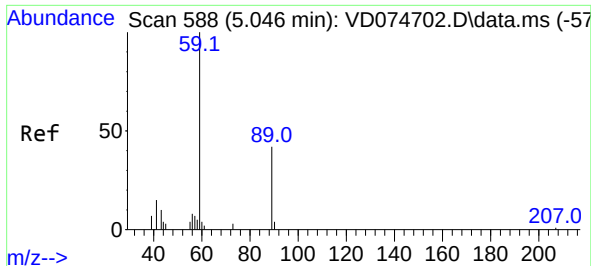
Tgt Ion:168 Resp: 181019
Ion Ratio Lower Upper
168 100
99 53.9 40.9 61.3



#10
Methyl Iodide
Concen: 5.647 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

Tgt Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 46.1 31.9 47.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD074854.D

Acq: 10 Nov 2022 04:58

Instrument :

MSVOA_D

ClientSampleId :

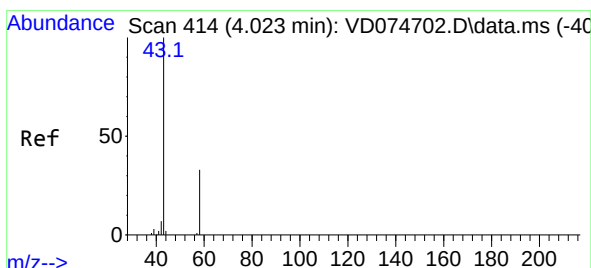
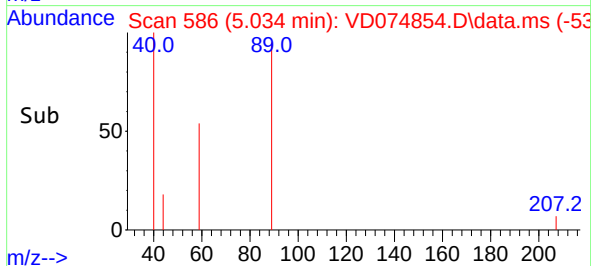
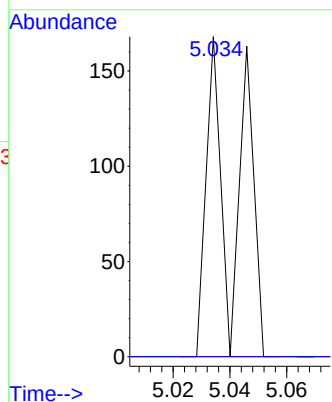
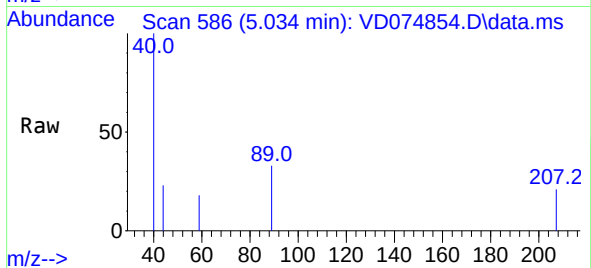
TP-3

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 3.496 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.005 min

Lab File: VD074854.D

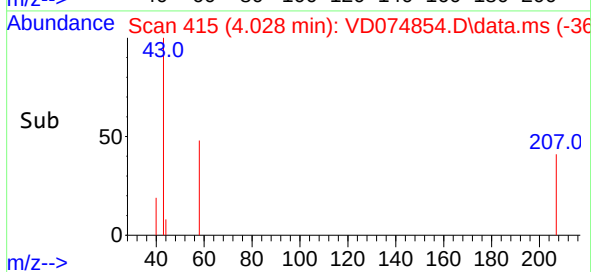
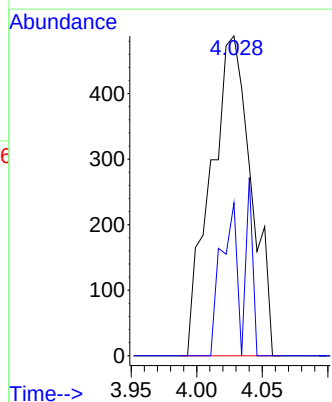
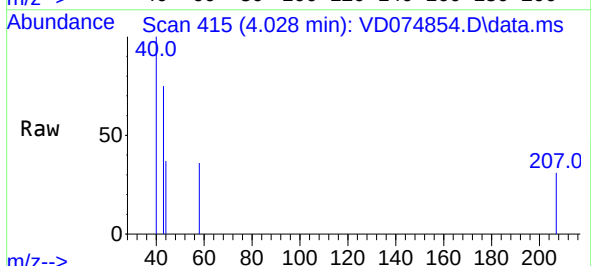
Acq: 10 Nov 2022 04:58

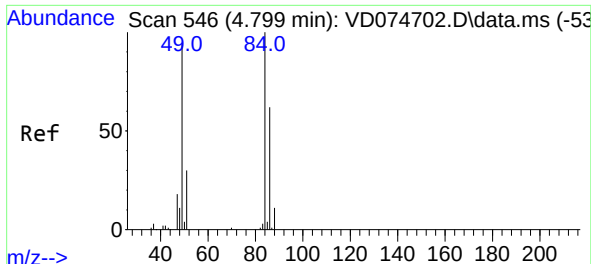
Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 47.7 30.2 45.2#

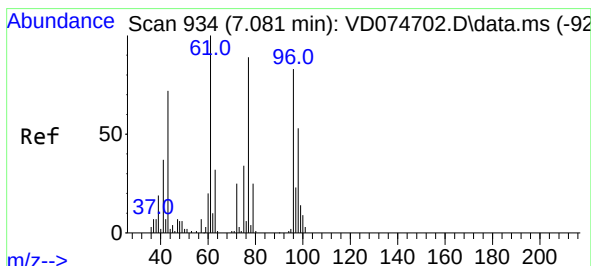
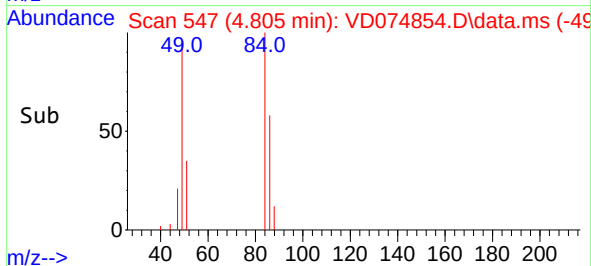
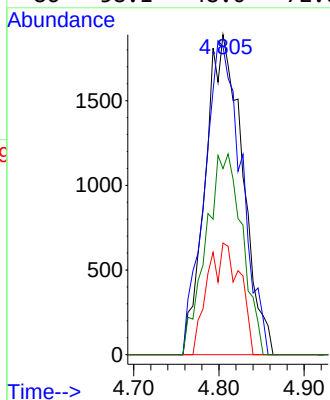
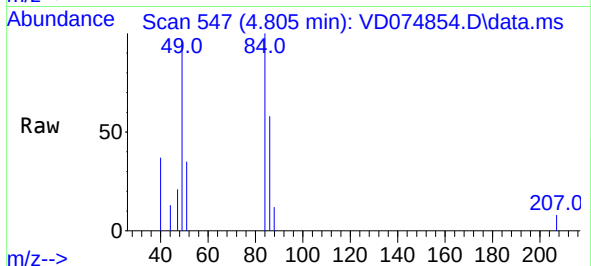




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

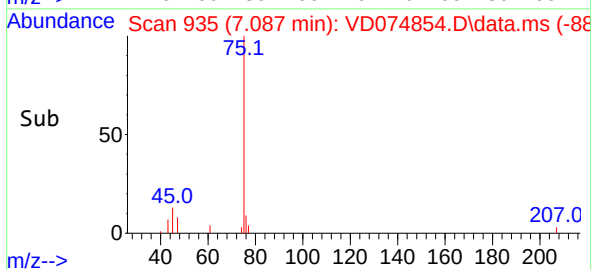
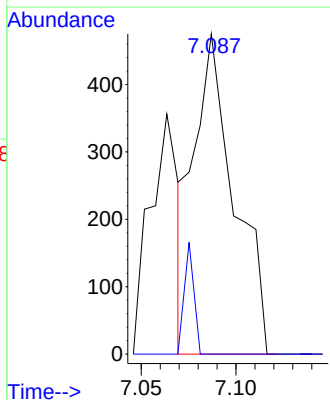
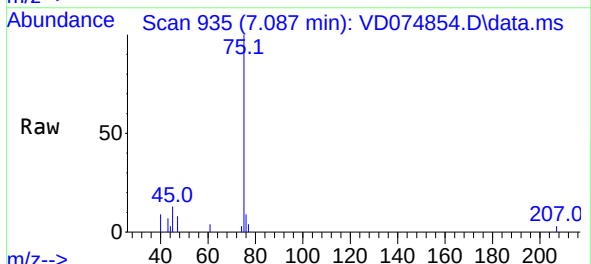
Instrument :
MSVOA_D
ClientSampleId :
TP-3

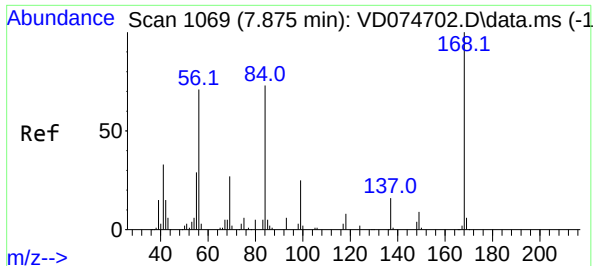
Tgt Ion:	84	Resp:	5729
Ion	Ratio	Lower	Upper
84	100		
49	96.3	68.0	102.0
51	34.9	23.2	34.8
86	58.1	48.0	72.0



#25
2-Butanone
Concen: 1.721 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

Tgt Ion:	43	Resp:	708
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.869 min Scan# 110

Delta R.T. -0.006 min

Lab File: VD074854.D

Acq: 10 Nov 2022 04:58

Instrument :

MSVOA_D

ClientSampleId :

TP-3

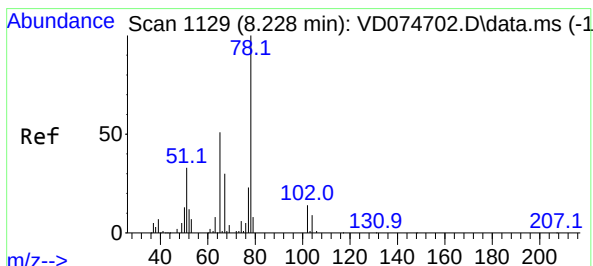
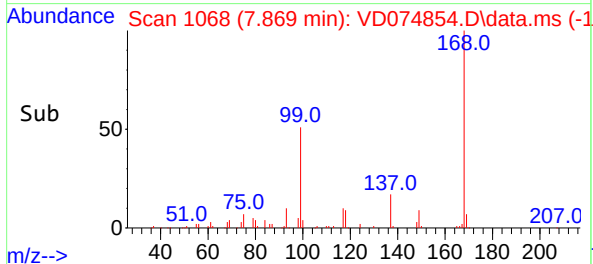
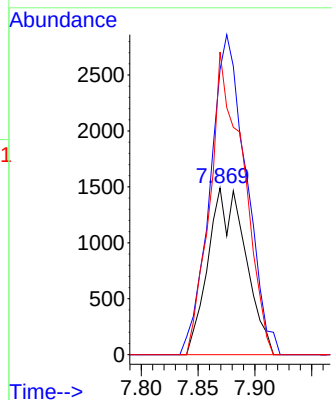
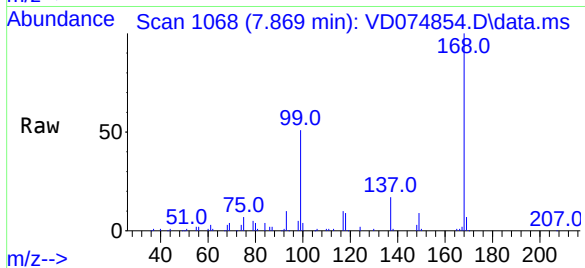
Tgt Ion: 56 Resp: 3402

Ion Ratio Lower Upper

56 100

69 171.1 29.2 43.8#

84 181.5 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 44.631 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074854.D

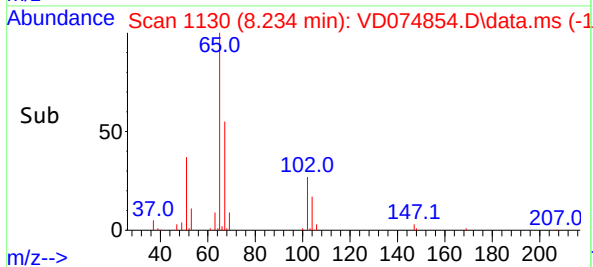
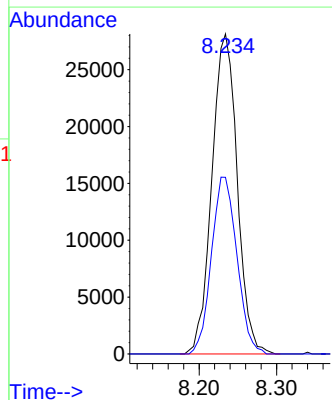
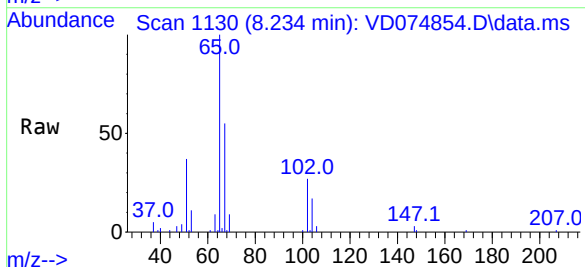
Acq: 10 Nov 2022 04:58

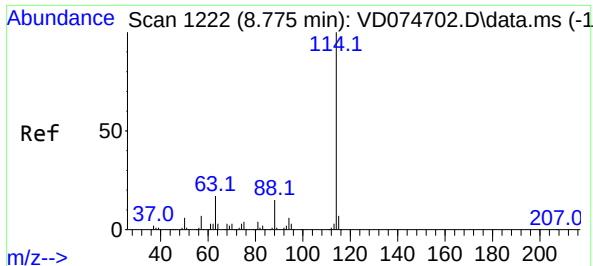
Tgt Ion: 65 Resp: 63988

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074854.D

Acq: 10 Nov 2022 04:58

Instrument :

MSVOA_D

ClientSampleId :

TP-3

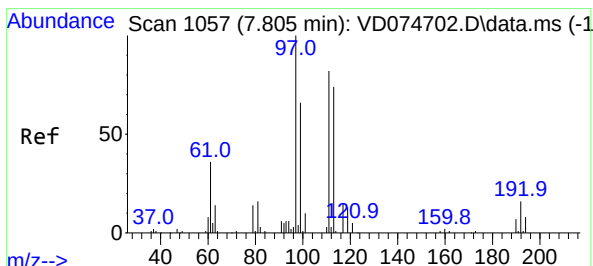
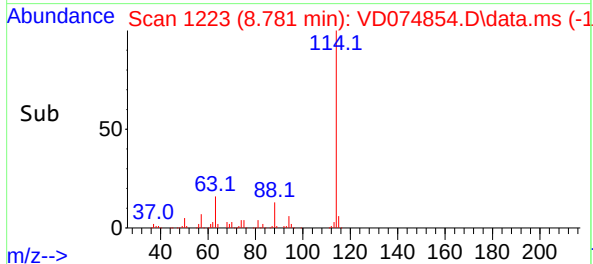
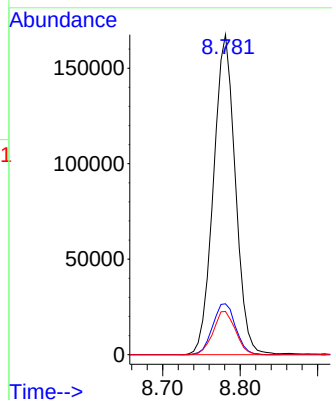
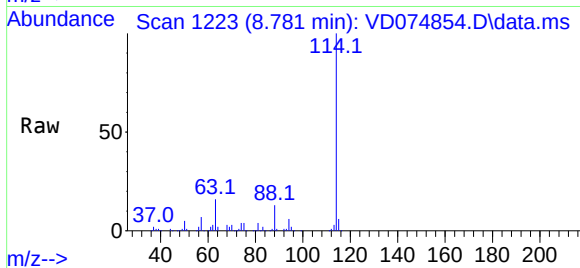
Tgt Ion:114 Resp: 328582

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 13.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.787 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074854.D

Acq: 10 Nov 2022 04:58

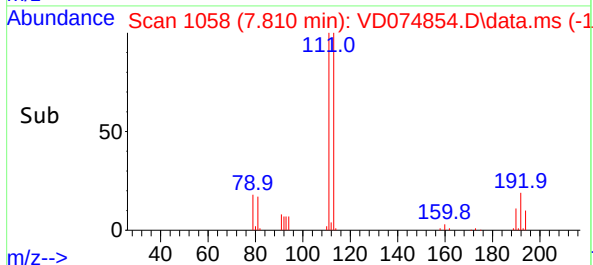
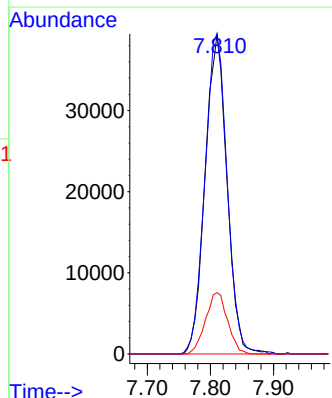
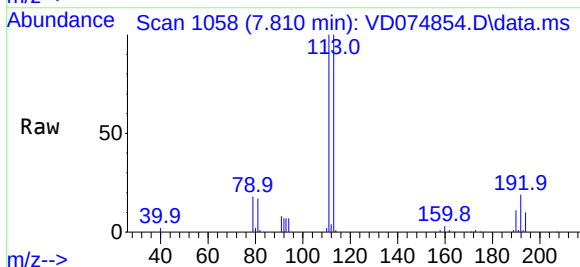
Tgt Ion:113 Resp: 94827

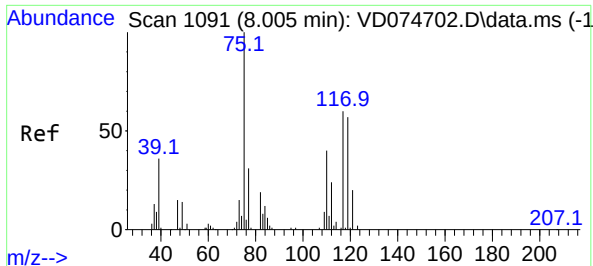
Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

192 19.3 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.466 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074854.D

Acq: 10 Nov 2022 04:58

Instrument :

MSVOA_D

ClientSampleId :

TP-3

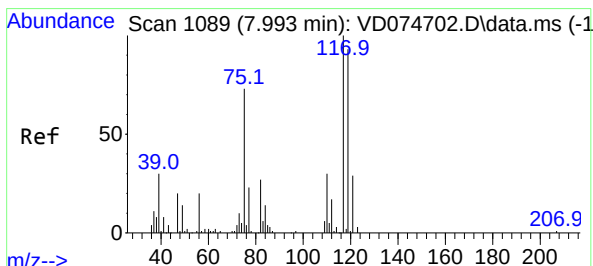
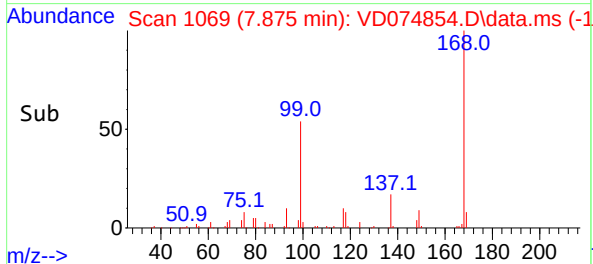
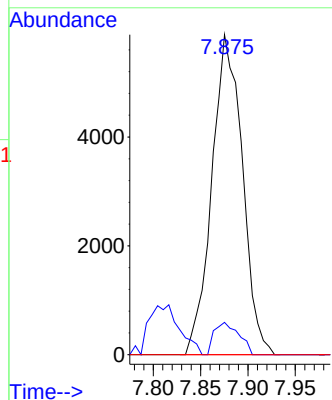
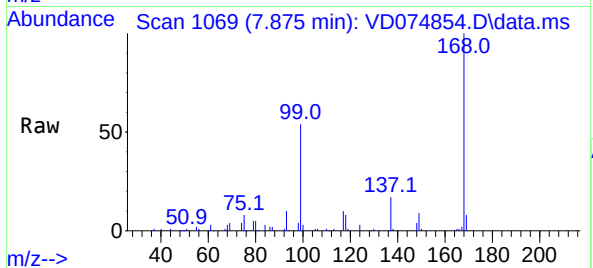
Tgt Ion: 75 Resp: 13176

Ion Ratio Lower Upper

75 100

110 8.2 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.517 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074854.D

Acq: 10 Nov 2022 04:58

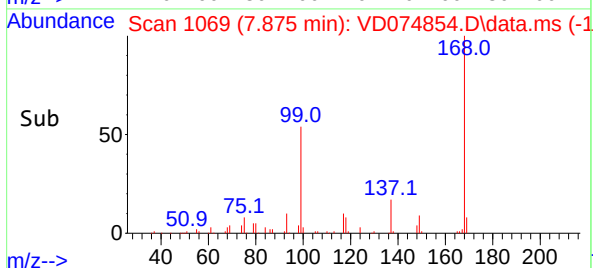
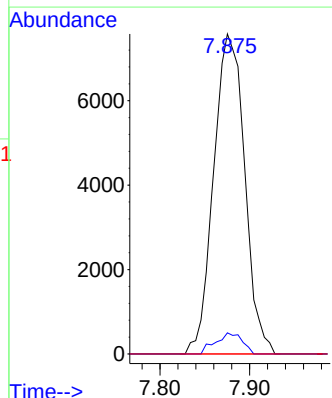
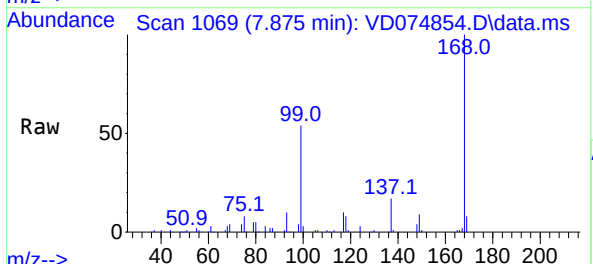
Tgt Ion: 117 Resp: 18215

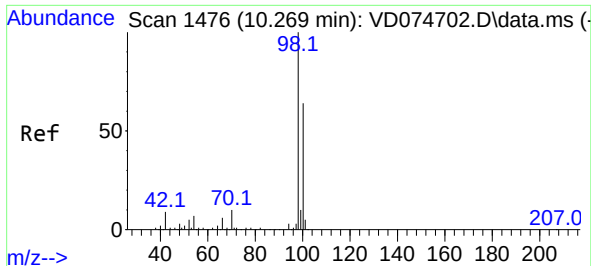
Ion Ratio Lower Upper

117 100

119 6.6 73.1 109.7#

121 0.0 25.0 37.6#

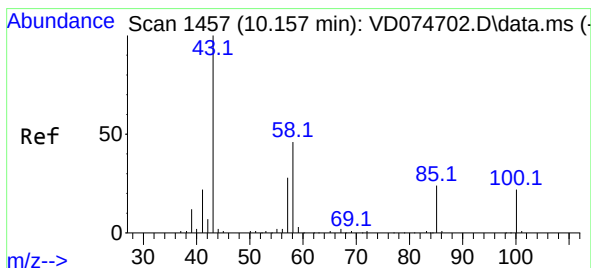
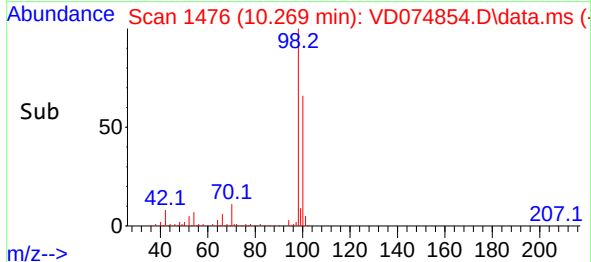
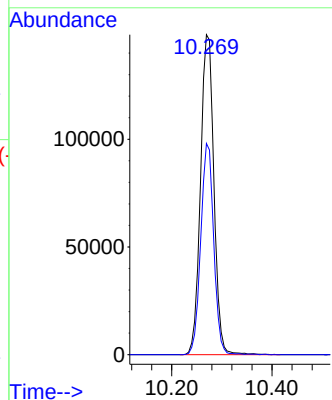
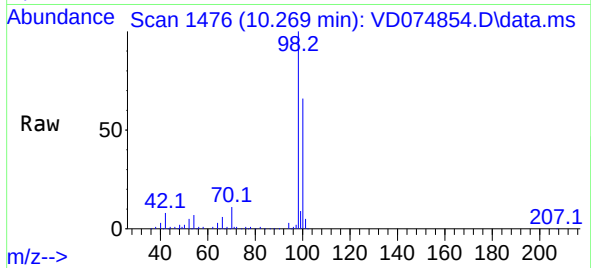




#50
Toluene-d8
Concen: 38.825 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

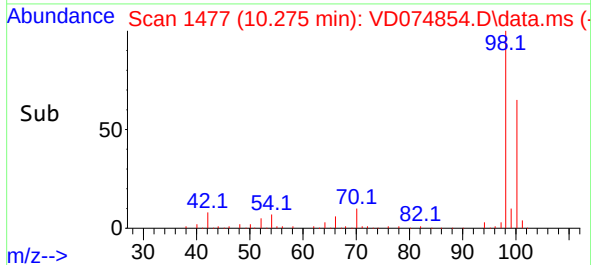
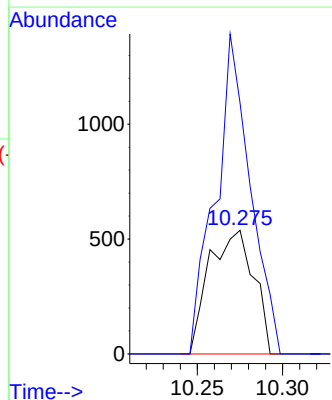
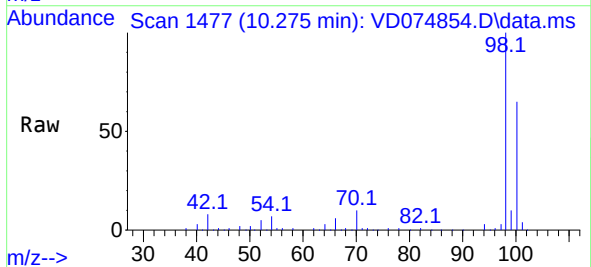
Instrument :
MSVOA_D
ClientSampleId :
TP-3

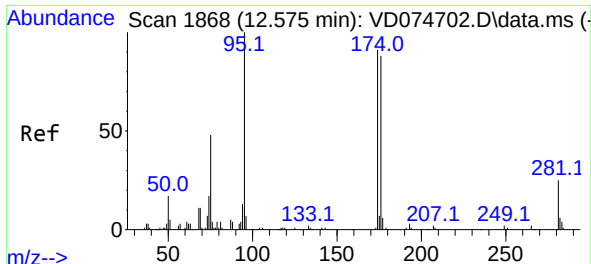
Tgt Ion: 98 Resp: 275272
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.097 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 204.3 37.8 56.6#

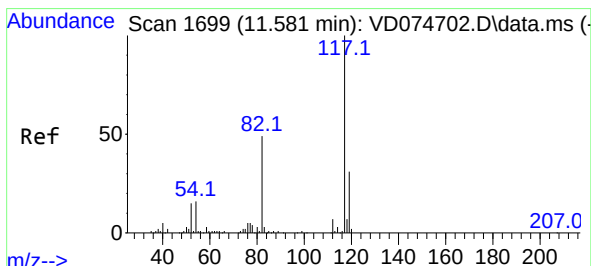
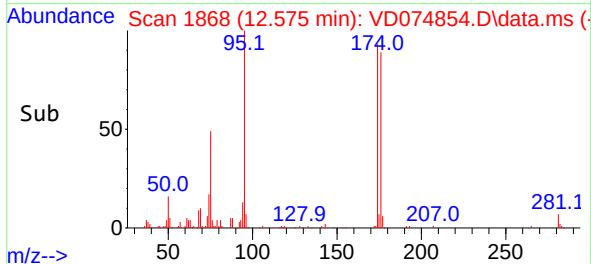
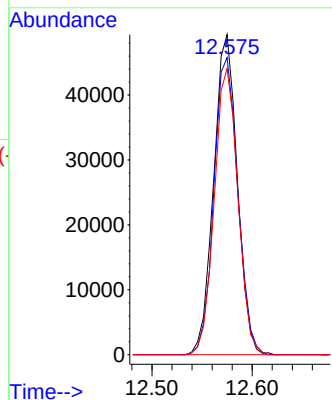
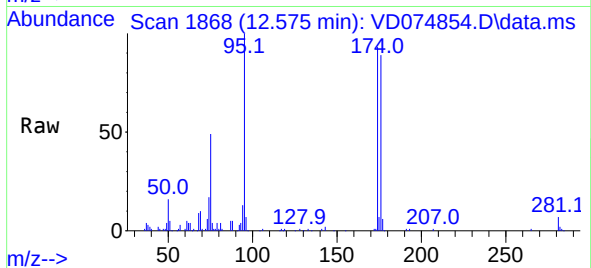




#62
4-Bromofluorobenzene
Concen: 39.358 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

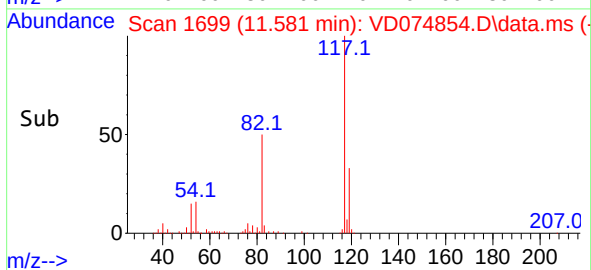
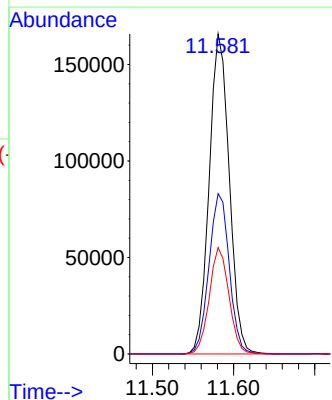
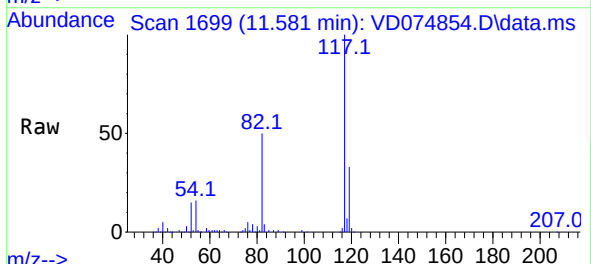
Instrument :
MSVOA_D
ClientSampleId :
TP-3

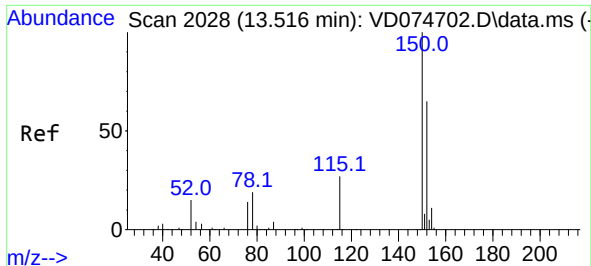
Tgt Ion: 95 Resp: 80570
Ion Ratio Lower Upper
95 100
174 94.1 0.0 197.0
176 89.2 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

Tgt Ion: 117 Resp: 284923
Ion Ratio Lower Upper
117 100
82 50.1 41.6 62.4
119 33.3 25.2 37.8

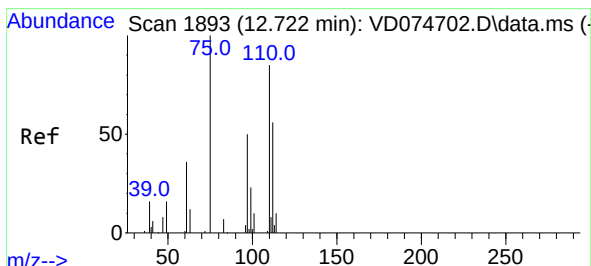
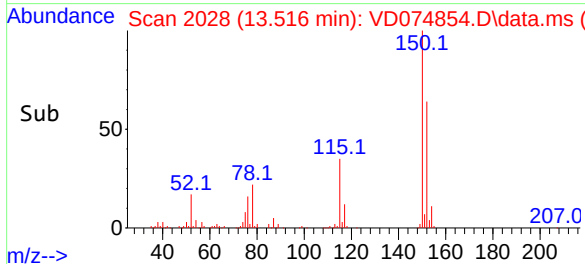
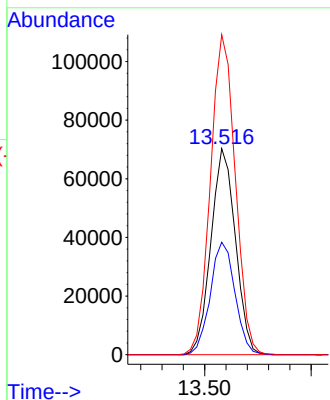
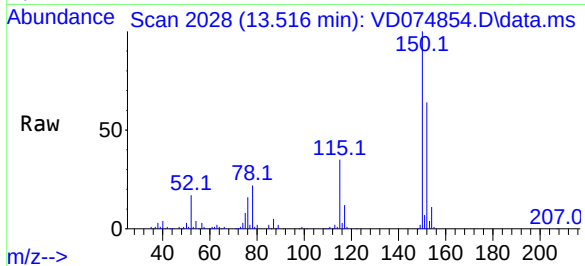




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

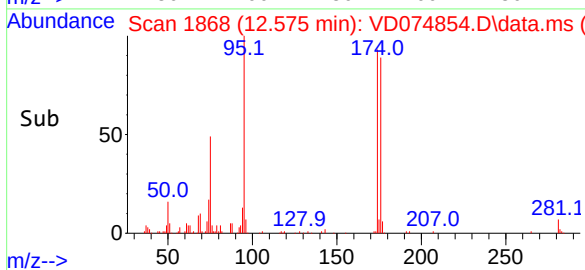
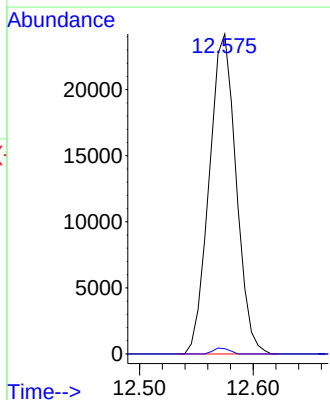
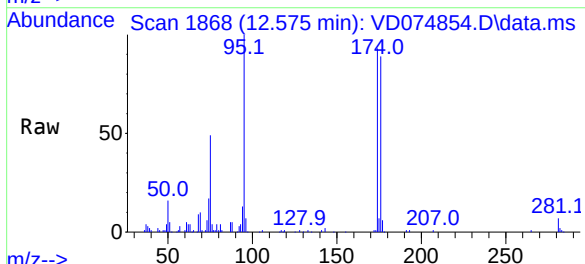
Instrument :
MSVOA_D
ClientSampleId :
TP-3

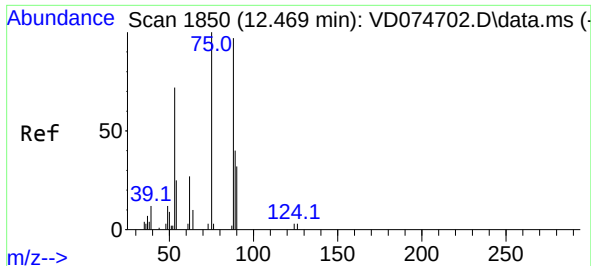
Tgt Ion:152 Resp: 112212
Ion Ratio Lower Upper
152 100
115 55.0 26.8 80.4
150 157.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 45.829 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

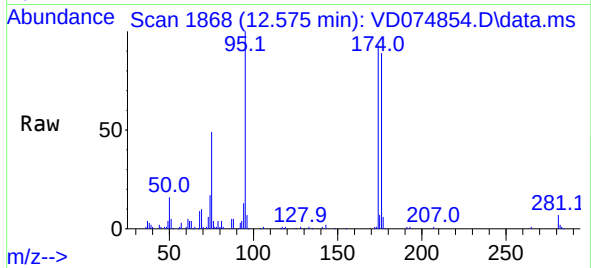
Tgt Ion: 75 Resp: 39865
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 108.786 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074854.D
Acq: 10 Nov 2022 04:58

Instrument :
MSVOA_D
ClientSampleId :
TP-3



Tgt Ion: 75 Resp: 39865
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

