

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110722\
 Data File : VD074764.D
 Acq On : 07 Nov 2022 16:33
 Operator : VA/SY
 Sample : N5494-09
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-15

Quant Time: Nov 08 00:22:13 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)

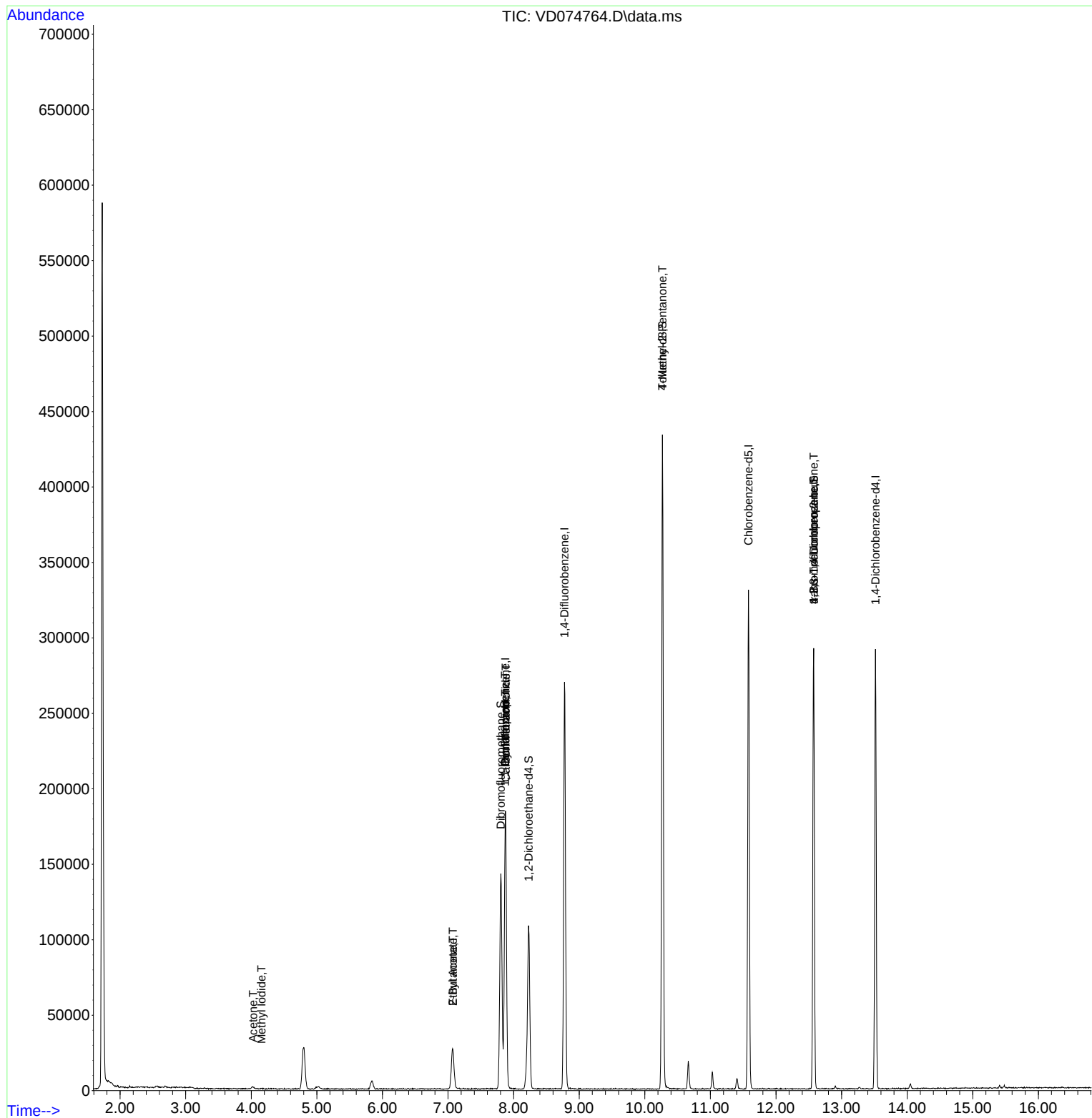
Internal Standards						
1) Pentafluorobenzene	7.875	168	152812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	252951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84590	69.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.780%	
35) Dibromofluoromethane	7.805	113	104957	70.144	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.280%	
50) Toluene-d8	10.269	98	311204	57.017	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.040%	
62) 4-Bromofluorobenzene	12.575	95	90234	57.258	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.520%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	348	5.704	ug/l #	43
11) Tert butyl alcohol	5.016	59	1887	Below Cal	#	84
16) Acetone	4.028	43	2503	9.910	ug/l #	73
25) 2-Butanone	7.075	43	1255	3.614	ug/l	91
31) Cyclohexane	7.875	56	2608	1.064	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	10808	4.759	ug/l #	43
37) Ethyl Acetate	7.075	43	1255	1.656	ug/l #	1
38) Carbon Tetrachloride	7.881	117	14118	6.561	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	906	1.325	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	44554	68.951	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	44554	163.672	ug/l #	17

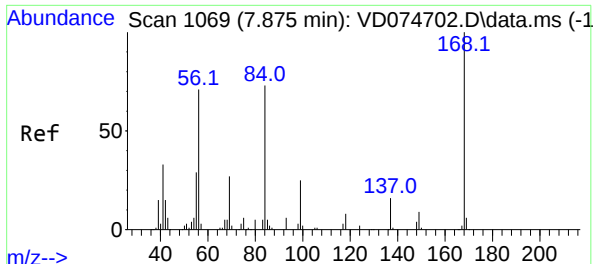
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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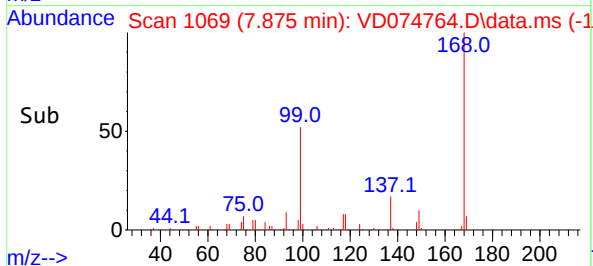
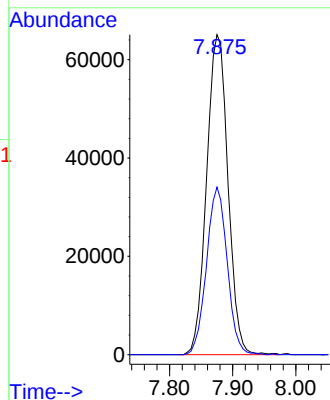
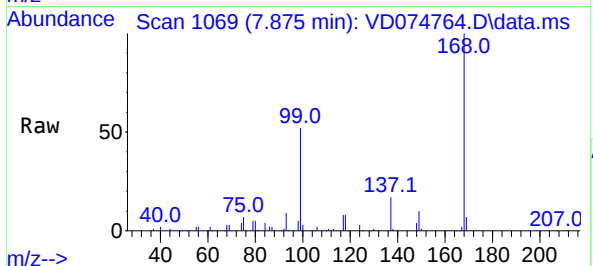




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

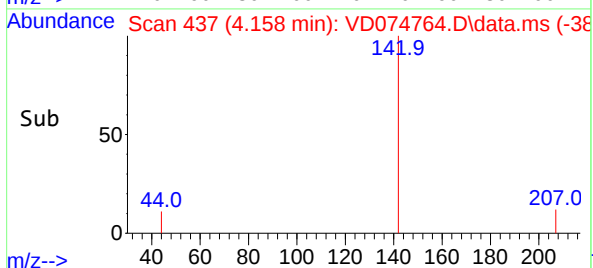
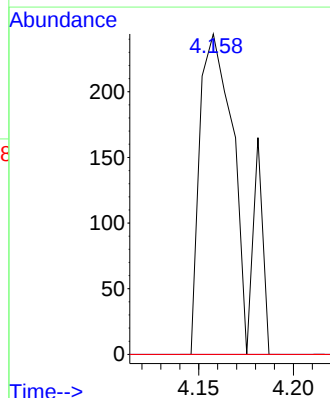
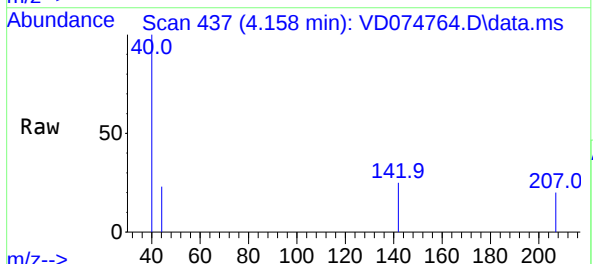
Instrument :
MSVOA_D
ClientSampleId :
SB-15

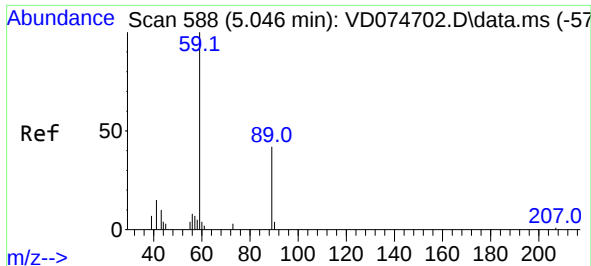
Tgt Ion:168 Resp: 152812
Ion Ratio Lower Upper
168 100
99 52.3 40.9 61.3



#10
Methyl Iodide
Concen: 5.704 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

Tgt Ion:142 Resp: 348
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.016 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD074764.D

Acq: 07 Nov 2022 16:33

Instrument :

MSVOA_D

ClientSampleId :

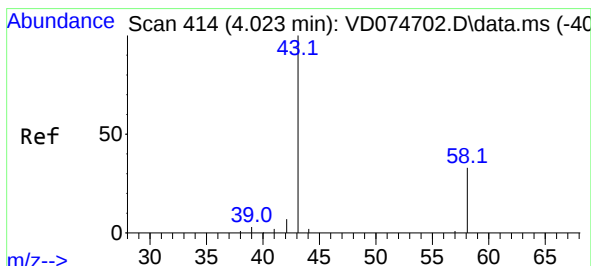
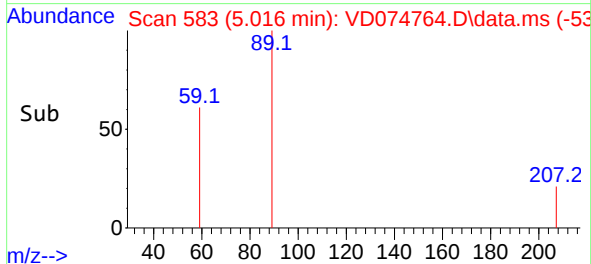
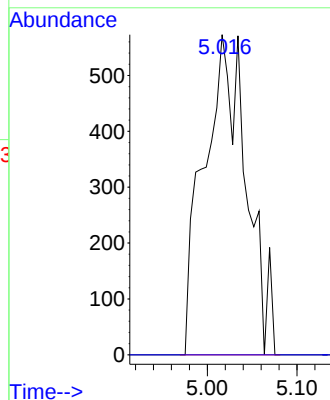
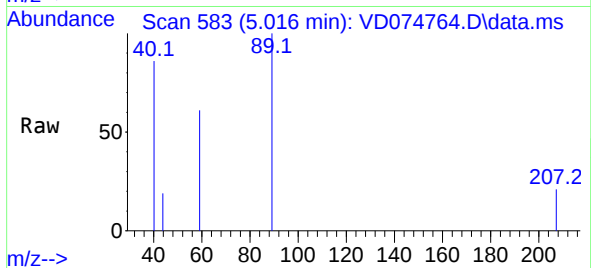
SB-15

Tgt Ion: 59 Resp: 1887

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 9.910 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.005 min

Lab File: VD074764.D

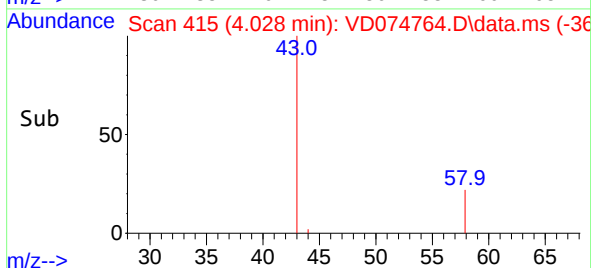
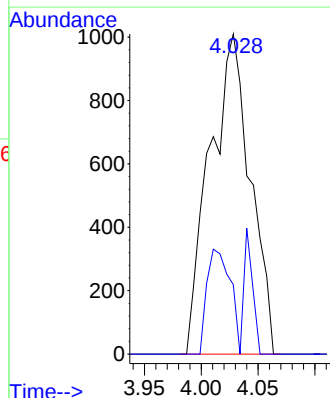
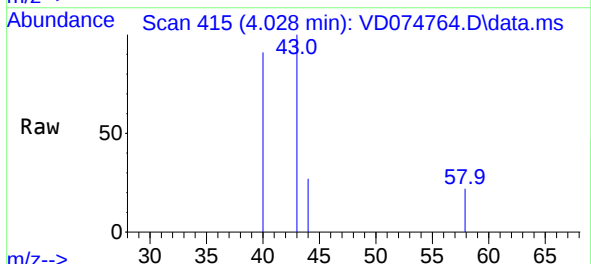
Acq: 07 Nov 2022 16:33

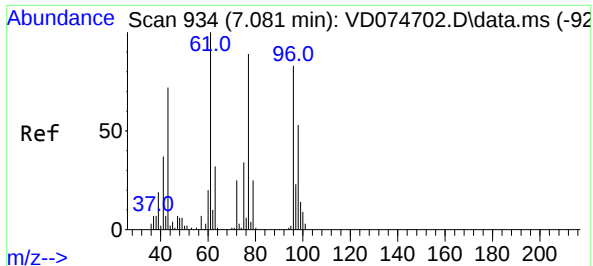
Tgt Ion: 43 Resp: 2503

Ion Ratio Lower Upper

43 100

58 21.7 30.2 45.2#





#25

2-Butanone

Concen: 3.614 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074764.D

Acq: 07 Nov 2022 16:33

Instrument :

MSVOA_D

ClientSampleId :

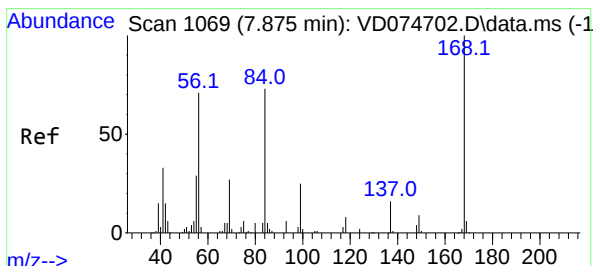
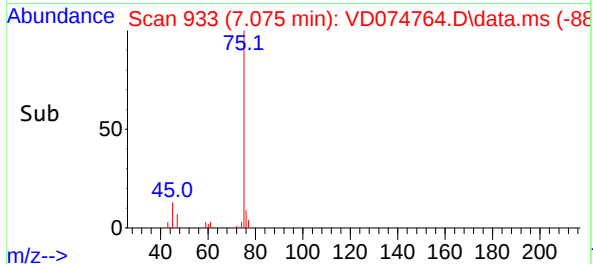
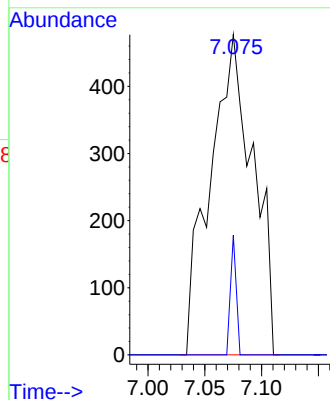
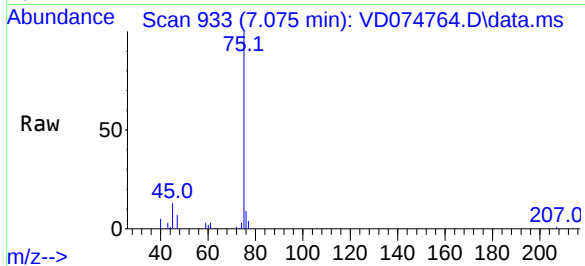
SB-15

Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

72 37.3 25.8 38.8



#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074764.D

Acq: 07 Nov 2022 16:33

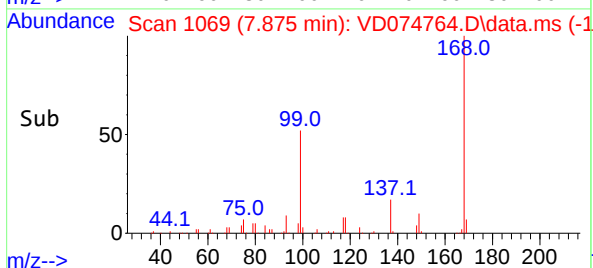
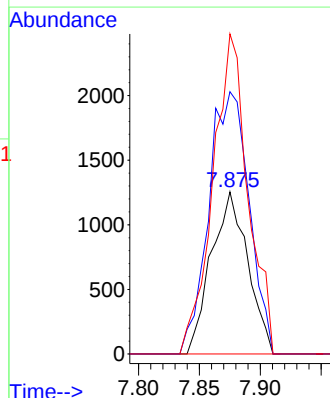
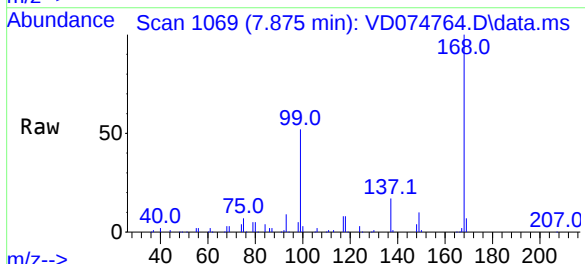
Tgt Ion: 56 Resp: 2608

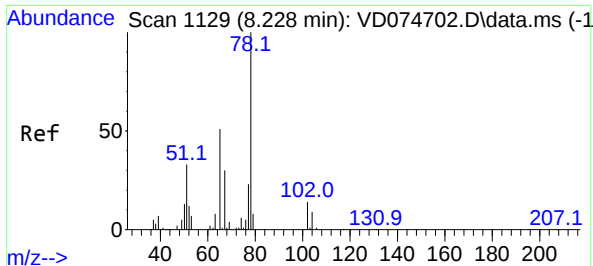
Ion Ratio Lower Upper

56 100

69 161.8 29.2 43.8#

84 197.4 83.4 125.2#

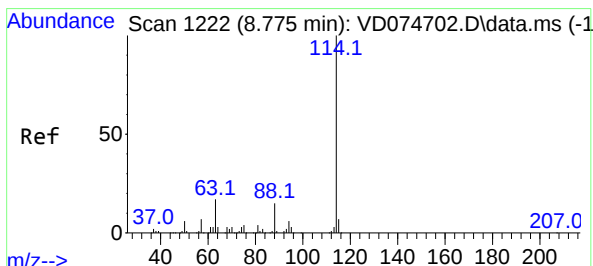
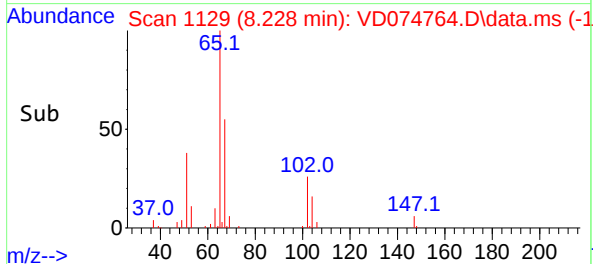
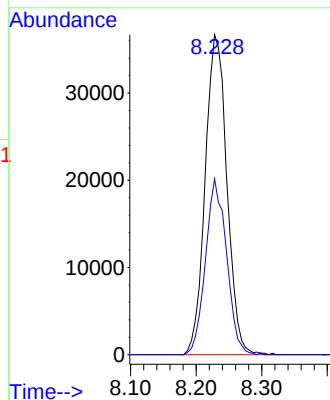
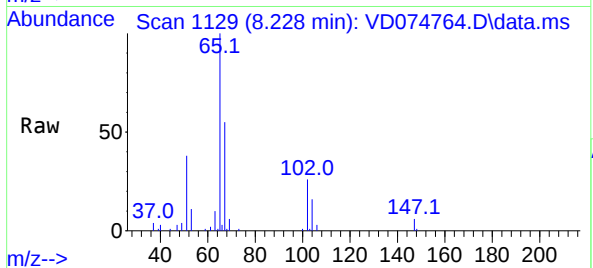




#33
1,2-Dichloroethane-d4
Concen: 69.892 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

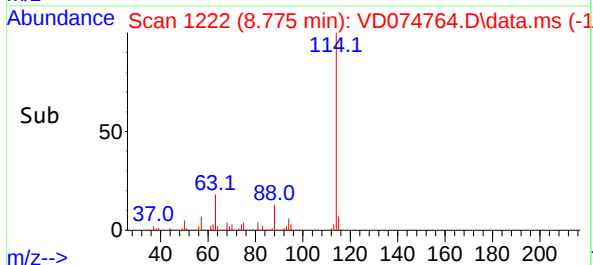
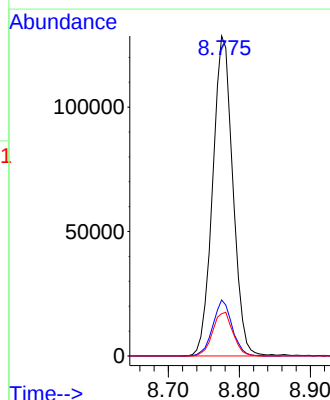
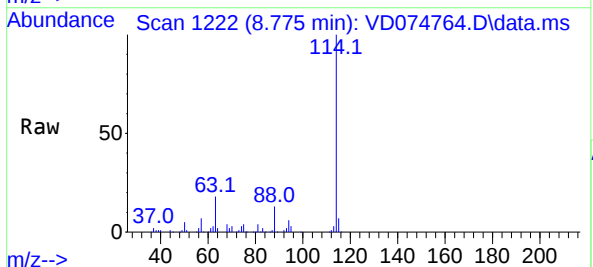
Instrument :
MSVOA_D
ClientSampleId :
SB-15

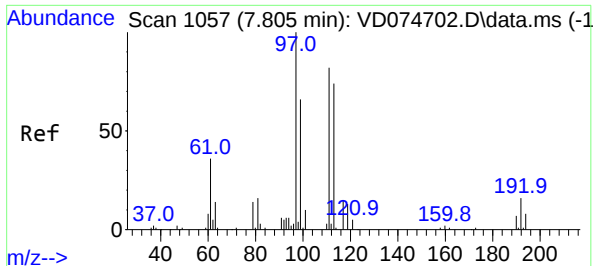
Tgt Ion: 65 Resp: 84590
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

Tgt Ion: 114 Resp: 252951
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.2
88 13.2 0.0 28.2

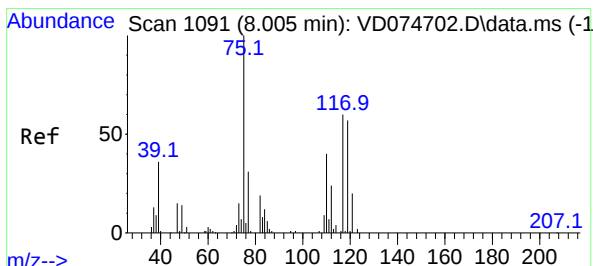
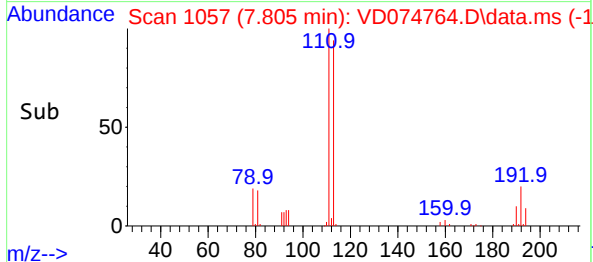
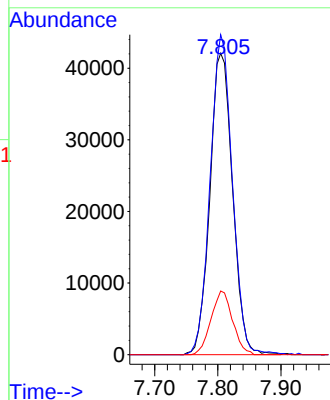
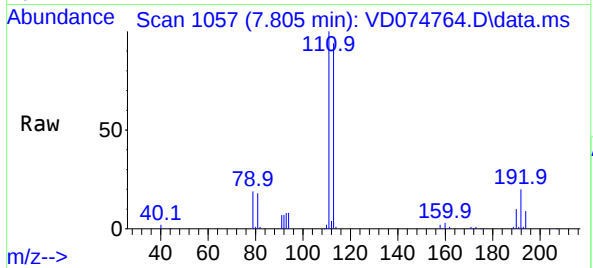




#35
Dibromofluoromethane
Concen: 70.144 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

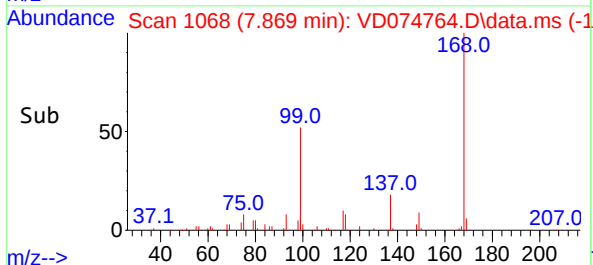
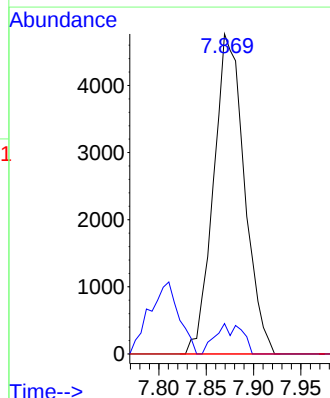
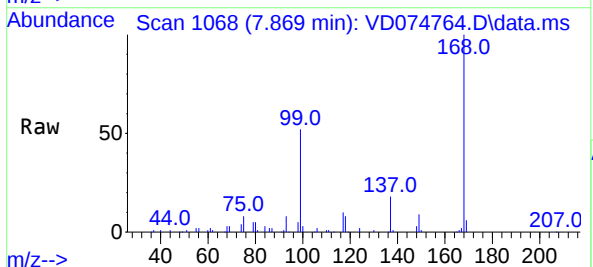
Instrument :
MSVOA_D
ClientSampleId :
SB-15

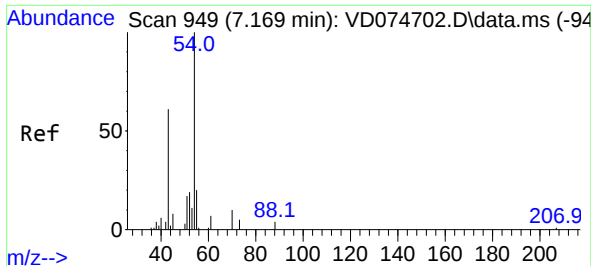
Tgt Ion:113 Resp: 104957
Ion Ratio Lower Upper
113 100
111 104.0 82.3 123.5
192 20.1 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

Tgt Ion: 75 Resp: 10808
Ion Ratio Lower Upper
75 100
110 4.7 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.656 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD074764.D

Acq: 07 Nov 2022 16:33

Instrument :

MSVOA_D

ClientSampleId :

SB-15

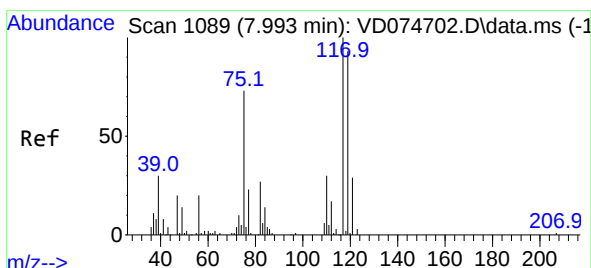
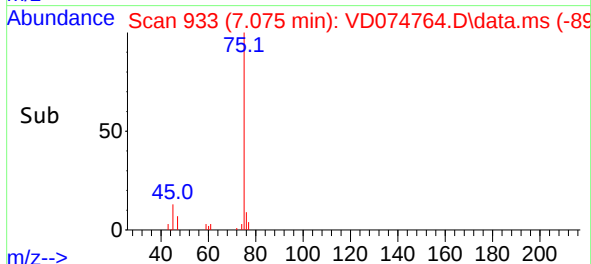
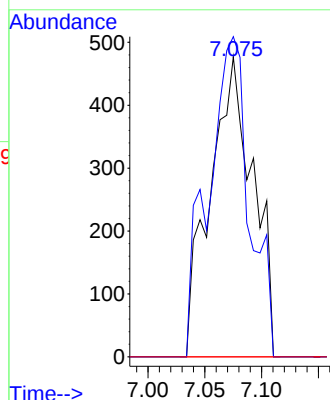
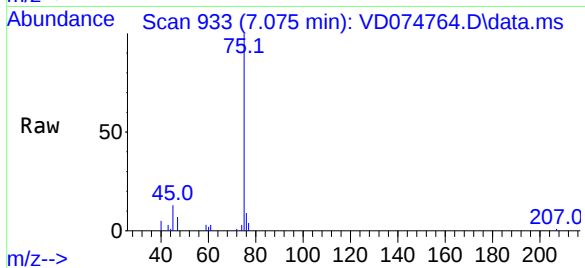
Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

61 101.7 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.561 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD074764.D

Acq: 07 Nov 2022 16:33

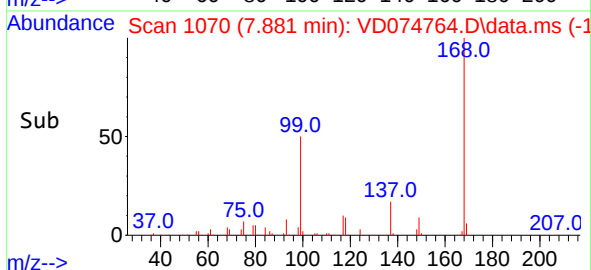
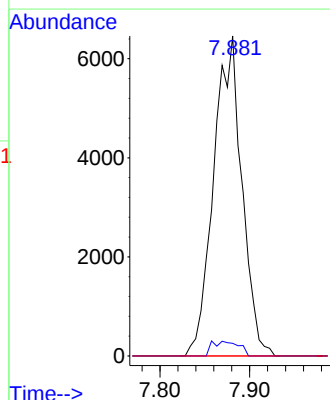
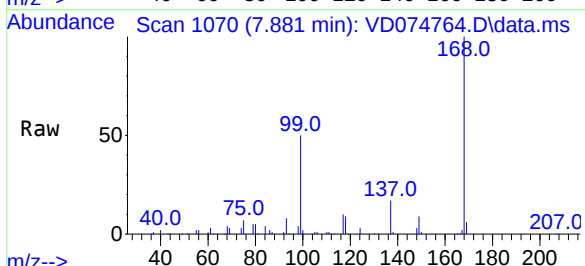
Tgt Ion: 117 Resp: 14118

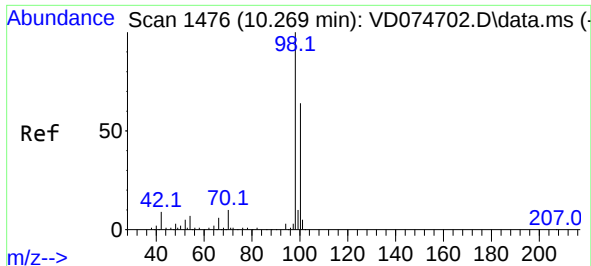
Ion Ratio Lower Upper

117 100

119 4.0 73.1 109.7#

121 0.0 25.0 37.6#

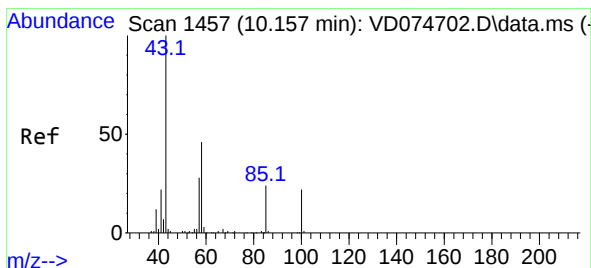
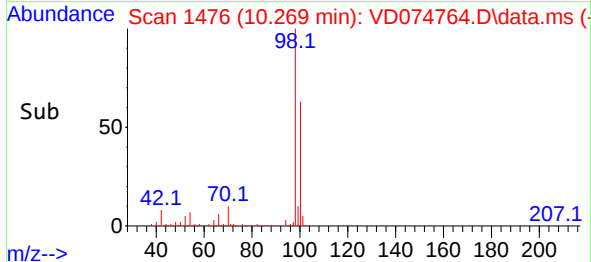
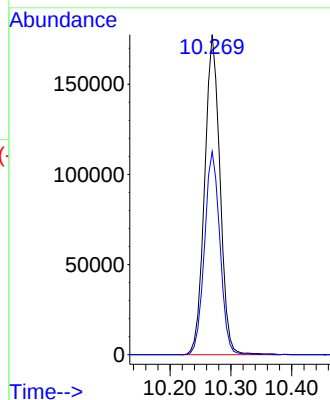
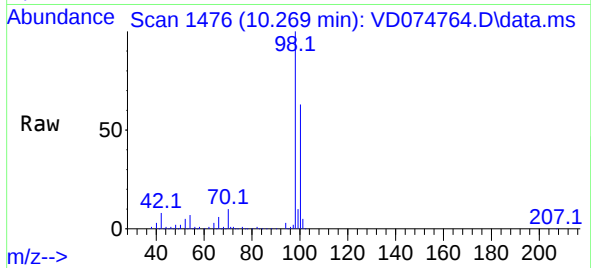




#50
Toluene-d8
Concen: 57.017 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

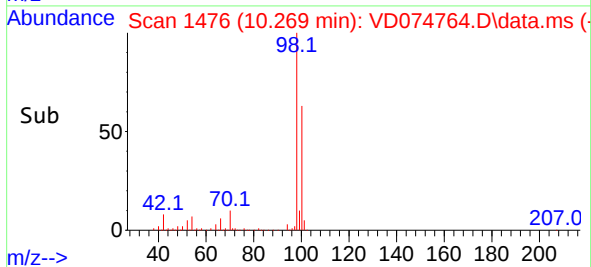
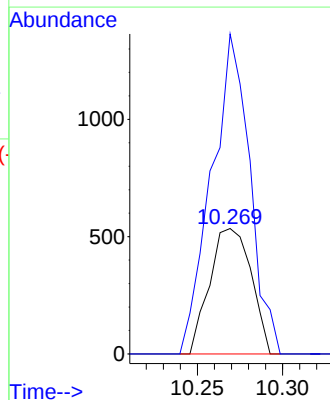
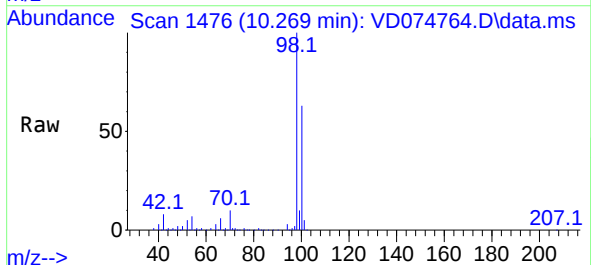
Instrument :
MSVOA_D
ClientSampleId :
SB-15

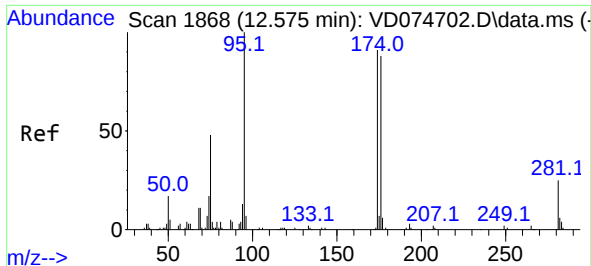
Tgt Ion: 98 Resp: 311204
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.325 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 235.2 37.8 56.6#

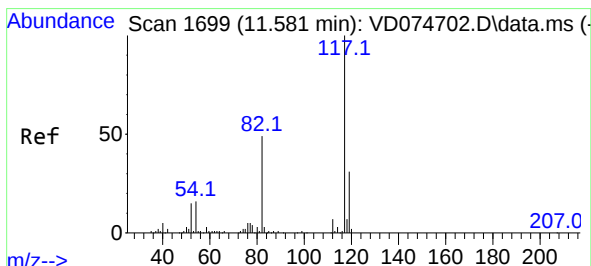
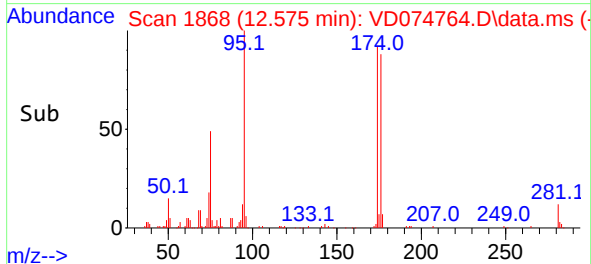
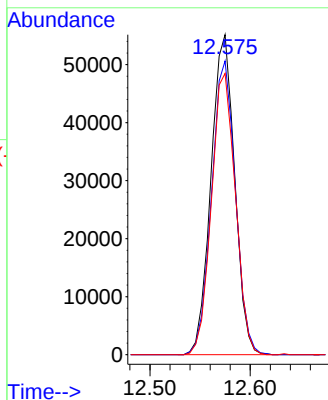
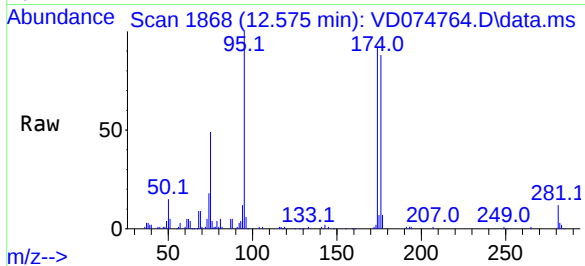




#62
4-Bromofluorobenzene
Concen: 57.258 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

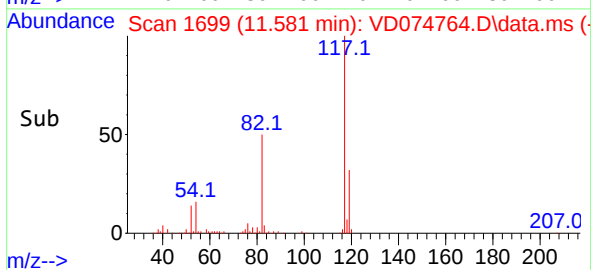
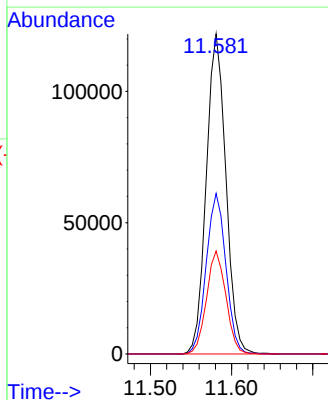
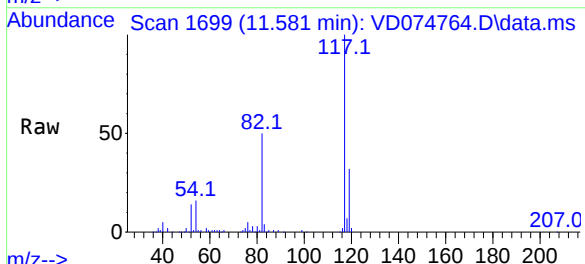
Instrument :
MSVOA_D
ClientSampleId :
SB-15

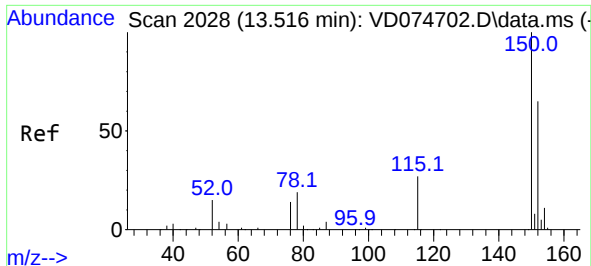
Tgt Ion: 95 Resp: 90234
Ion Ratio Lower Upper
95 100
174 92.4 0.0 197.0
176 89.0 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074764.D
Acq: 07 Nov 2022 16:33

Tgt Ion: 117 Resp: 204294
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 32.1 25.2 37.8

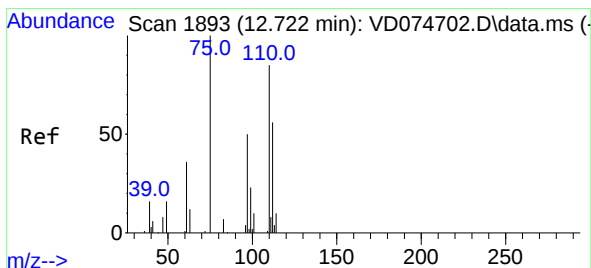
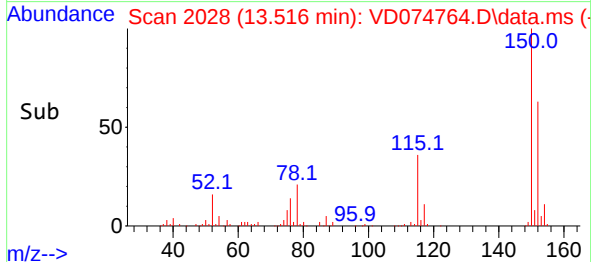
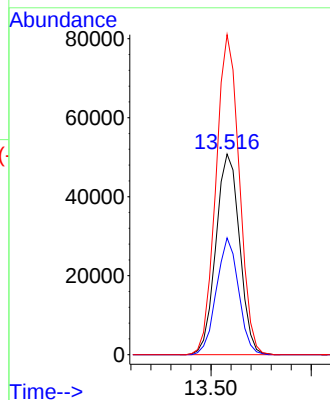
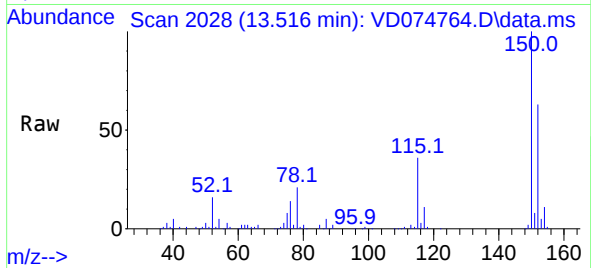




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD074764.D
 Acq: 07 Nov 2022 16:33

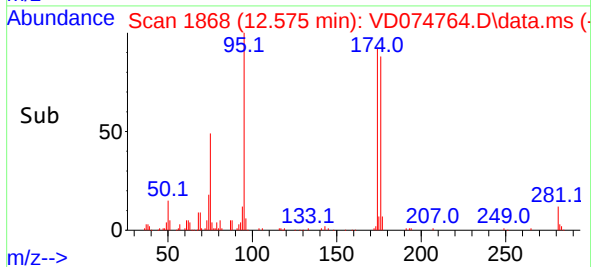
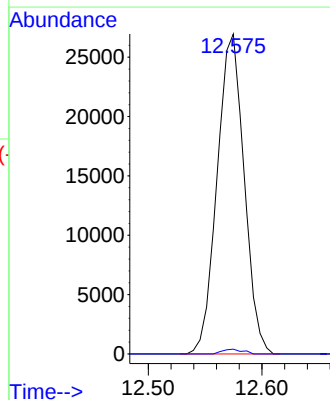
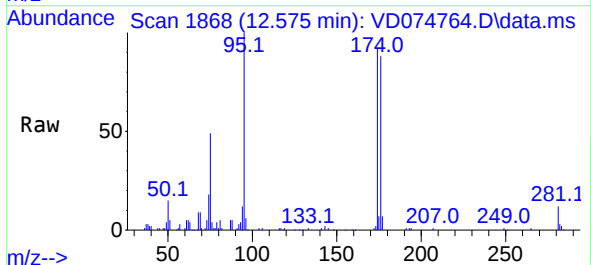
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-15

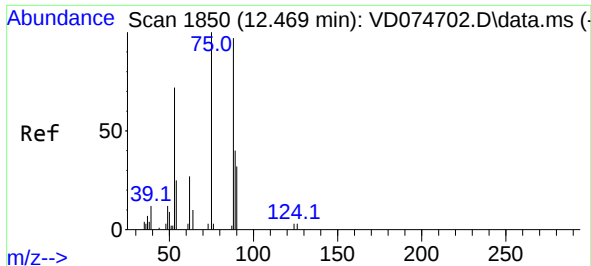
Tgt Ion:152 Resp: 83355
 Ion Ratio Lower Upper
 152 100
 115 54.4 26.8 80.4
 150 156.7 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 68.951 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD074764.D
 Acq: 07 Nov 2022 16:33

Tgt Ion: 75 Resp: 44554
 Ion Ratio Lower Upper
 75 100
 77 1.1 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.672 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074764.D
 Acq: 07 Nov 2022 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-15

Tgt Ion:	75	Resp:	44554
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

