

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074111.D
 Acq On : 16 Aug 2022 19:47
 Operator : VA/SY
 Sample : N4189-15RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB12RE

Quant Time: Aug 16 20:54:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

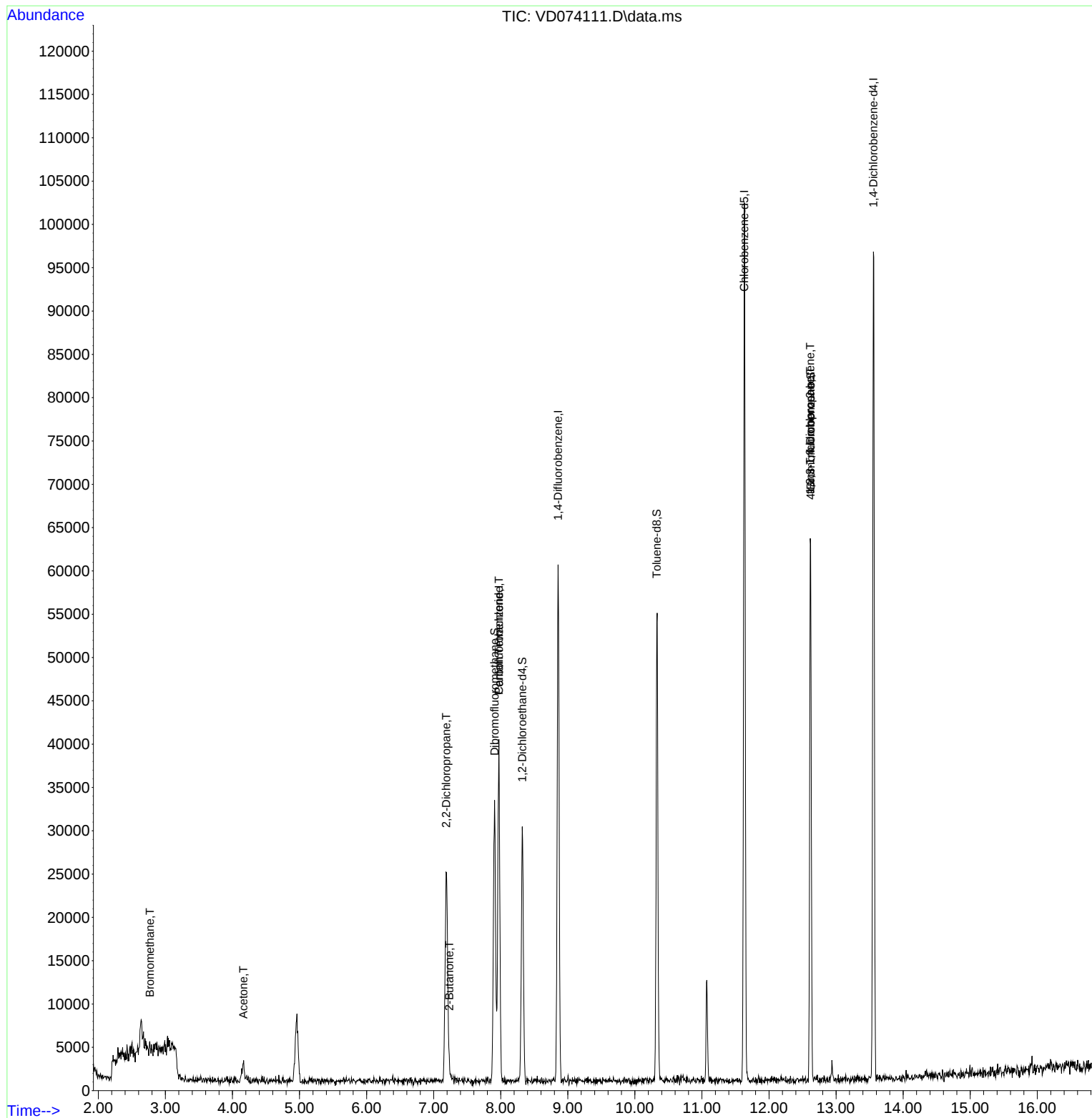
Internal Standards						
1) Pentafluorobenzene	7.973	168	27171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	50001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	56750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	26843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	21830	118.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	236.500%#
35) Dibromofluoromethane	7.909	113	22659	70.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	141.840%
50) Toluene-d8	10.326	98	36639	37.768	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	75.540%
62) 4-Bromofluorobenzene	12.620	95	19975	49.863	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	168	Below Cal	#	40
5) Bromomethane	2.768	94	559	1.744	ug/l #	75
11) Tert butyl alcohol	5.185	59	56	Below Cal	#	74
16) Acetone	4.162	43	3500	61.261	ug/l	99
18) Methyl Acetate	4.750	43	60	Below Cal	#	55
20) Methylene Chloride	4.944	84	3171	Below Cal	#	66
25) 2-Butanone	7.232	43	97	1.397	ug/l #	1
26) 2,2-Dichloropropane	7.185	77	1884	3.845	ug/l #	54
31) Cyclohexane	7.973	56	439	Below Cal	#	74
38) Carbon Tetrachloride	7.973	117	3157	6.278	ug/l #	13
76) 1,2,3-Trichloropropane	12.614	75	11031	46.118	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	11031	128.617	ug/l #	7

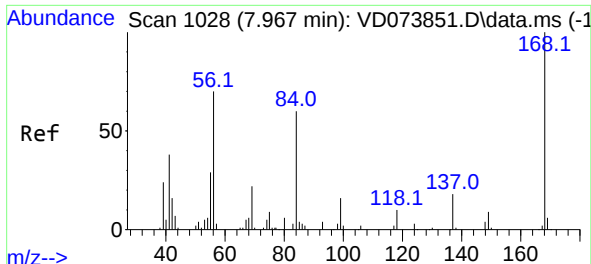
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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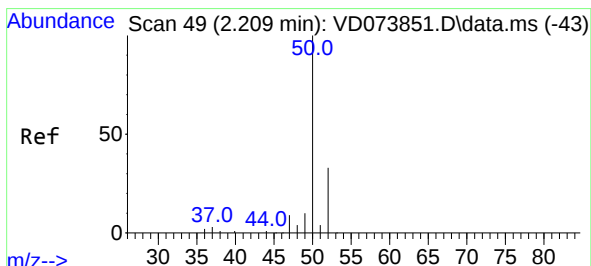
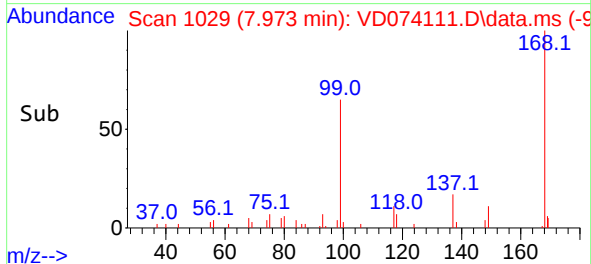
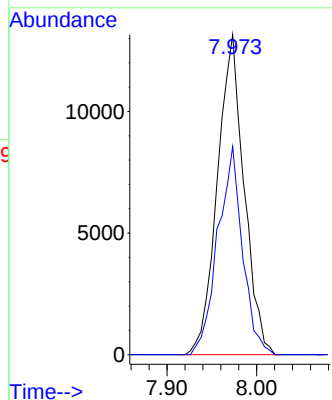
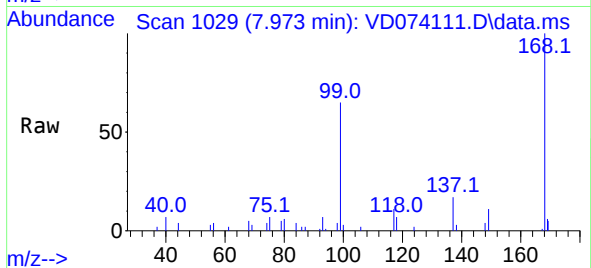




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

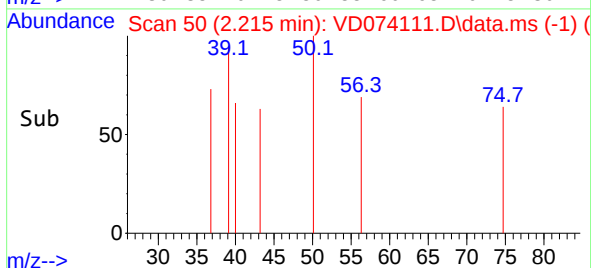
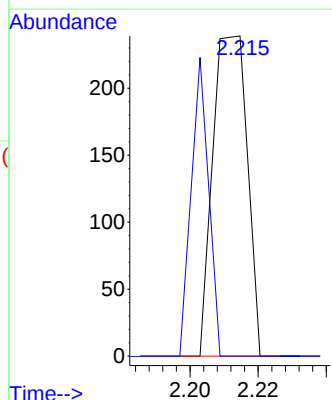
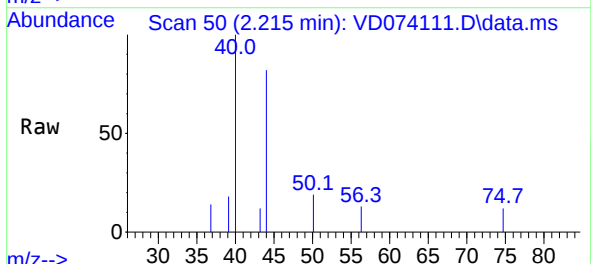
Instrument :
MSVOA_D
ClientSampleId :
SB12RE

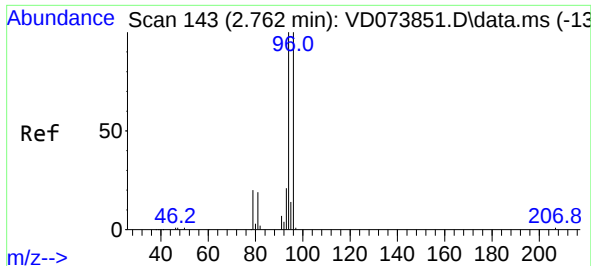
Tgt Ion:168 Resp: 27171
Ion Ratio Lower Upper
168 100
99 65.0 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Tgt Ion: 50 Resp: 168
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

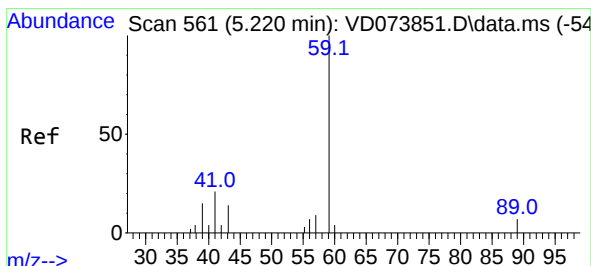
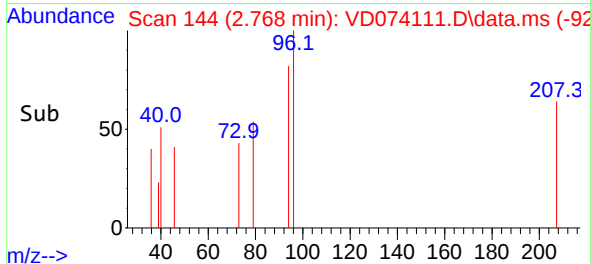
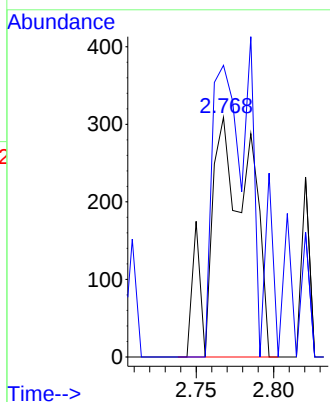
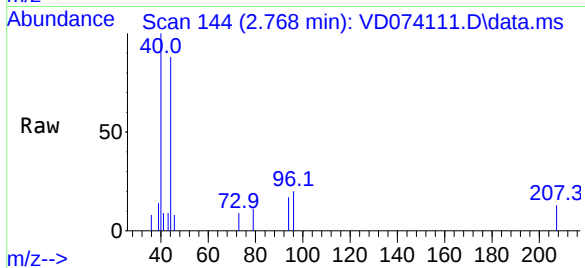




#5
Bromomethane
Concen: 1.744 ug/l
RT: 2.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

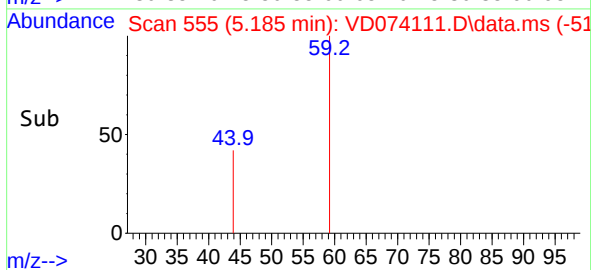
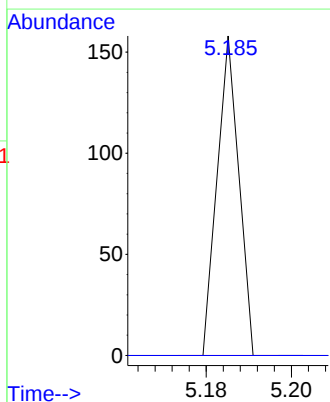
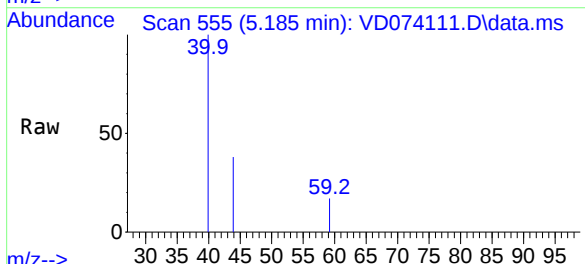
Instrument :
MSVOA_D
ClientSampleId :
SB12RE

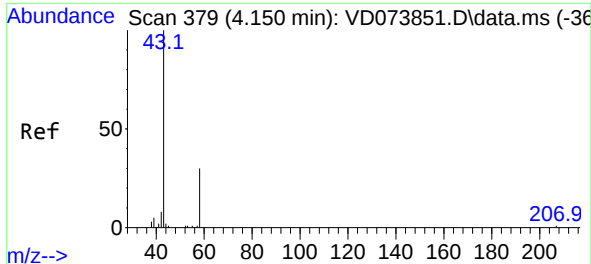
Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 121.7 77.6 116.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 61.261 ug/l

RT: 4.162 min Scan# 3

Delta R.T. 0.012 min

Lab File: VD074111.D

Acq: 16 Aug 2022 19:47

Instrument :

MSVOA_D

ClientSampleId :

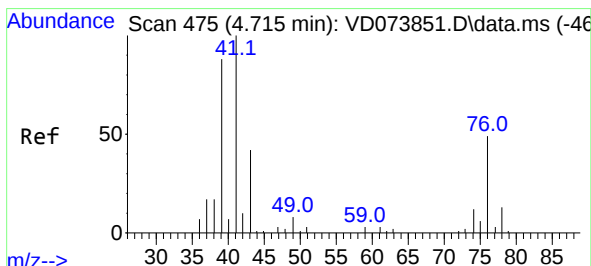
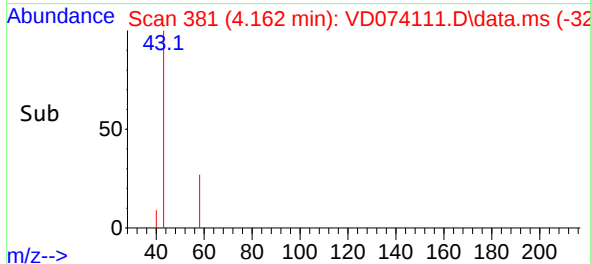
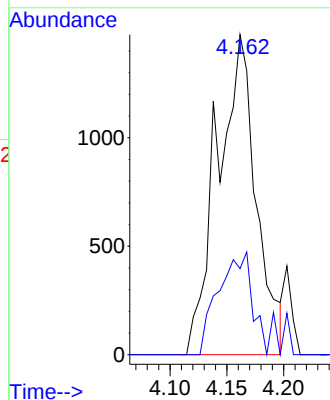
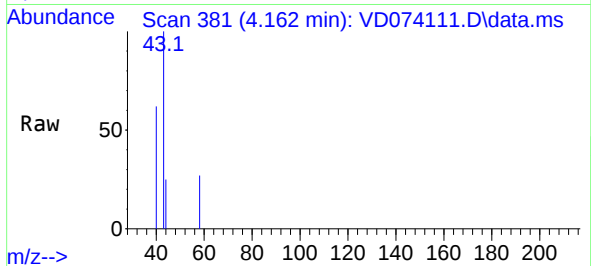
SB12RE

Tgt Ion: 43 Resp: 3500

Ion Ratio Lower Upper

43 100

58 26.9 22.1 33.1



#18

Methyl Acetate

Concen: Below Cal

RT: 4.750 min Scan# 481

Delta R.T. 0.035 min

Lab File: VD074111.D

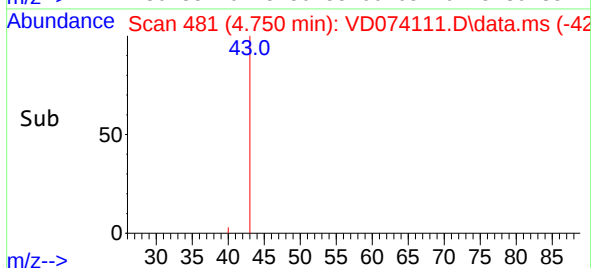
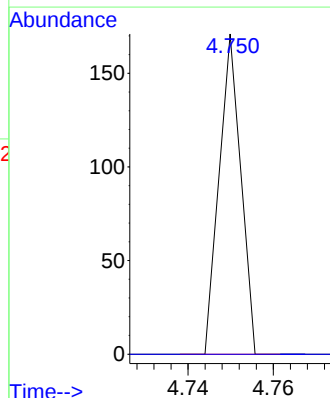
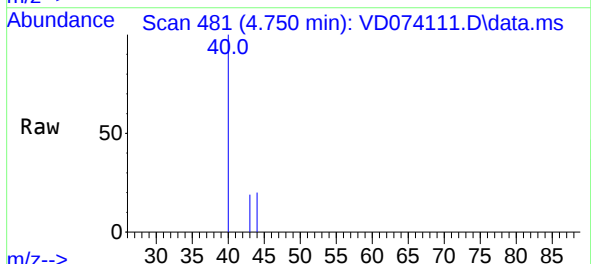
Acq: 16 Aug 2022 19:47

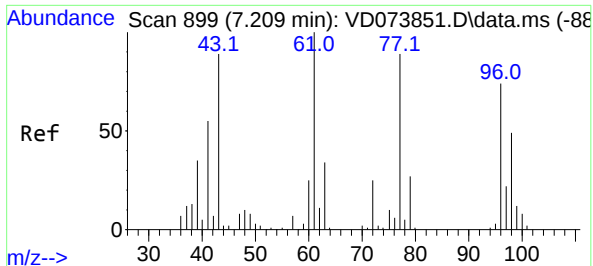
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#





#25

2-Butanone

Concen: 1.397 ug/l

RT: 7.232 min Scan# 90

Delta R.T. 0.023 min

Lab File: VD074111.D

Acq: 16 Aug 2022 19:47

Instrument :

MSVOA_D

ClientSampleId :

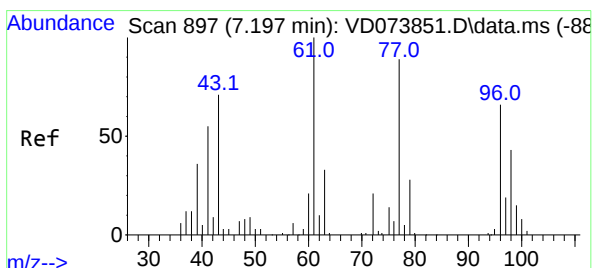
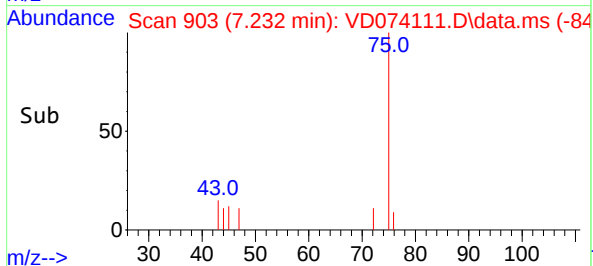
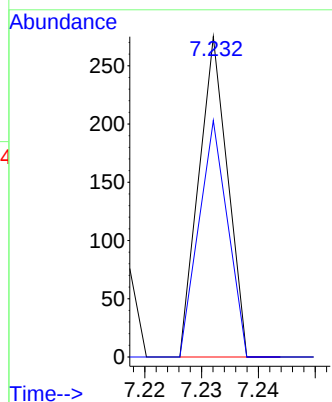
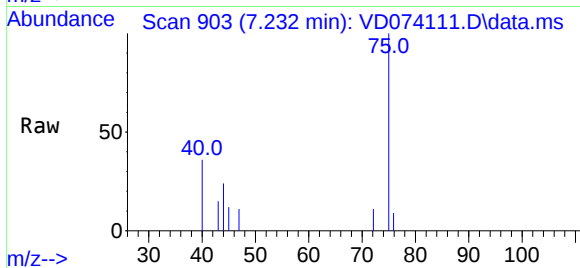
SB12RE

Tgt Ion: 43 Resp: 97

Ion Ratio Lower Upper

43 100

72 73.8 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 3.845 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.012 min

Lab File: VD074111.D

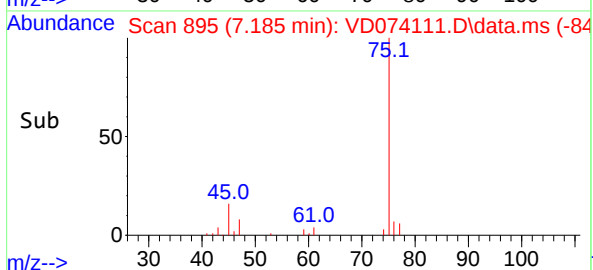
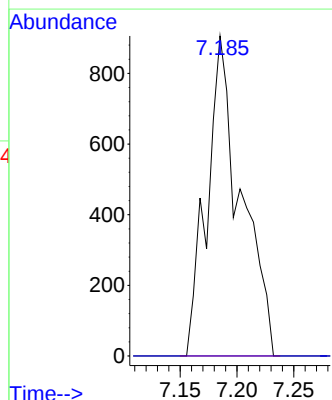
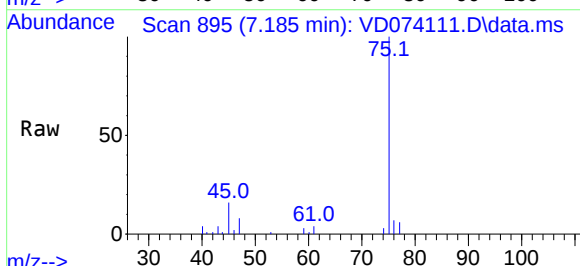
Acq: 16 Aug 2022 19:47

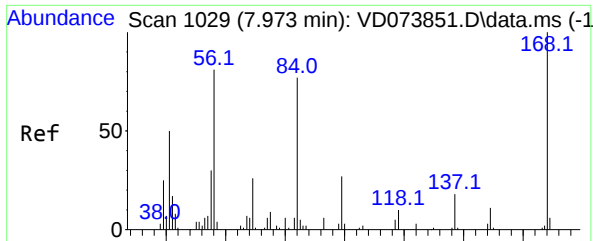
Tgt Ion: 77 Resp: 1884

Ion Ratio Lower Upper

77 100

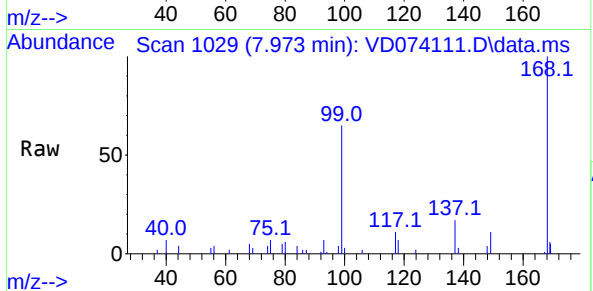
97 0.0 10.8 32.4#



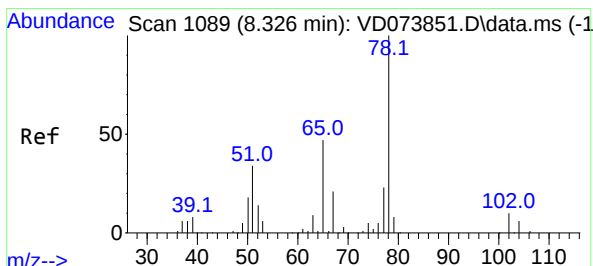
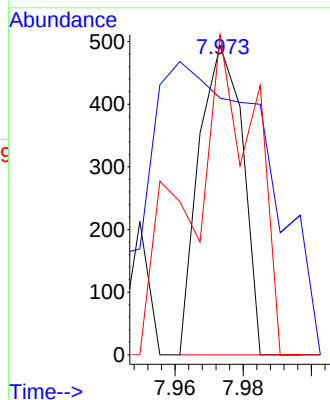
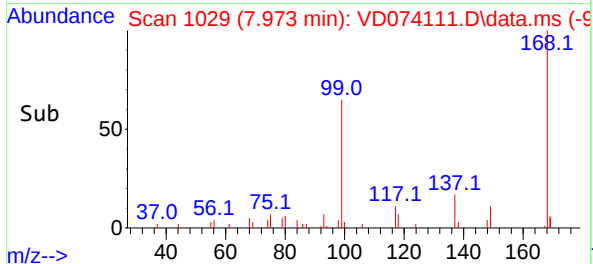


#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Instrument :
MSVOA_D
ClientSampleId :
SB12RE

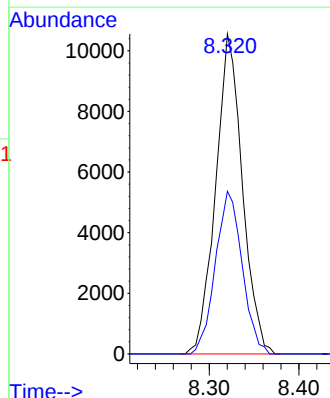
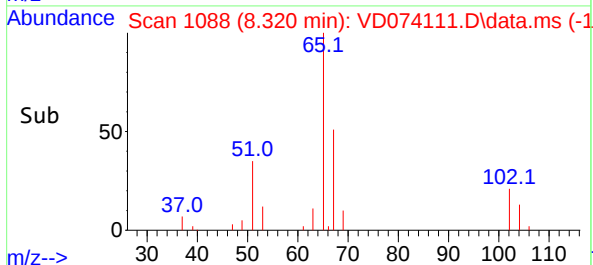
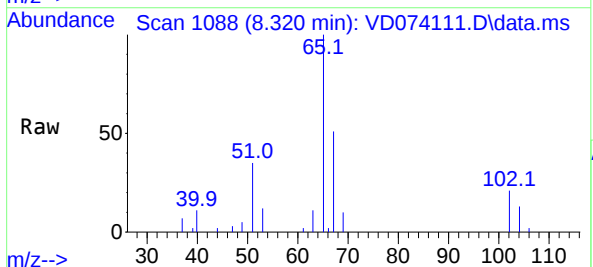


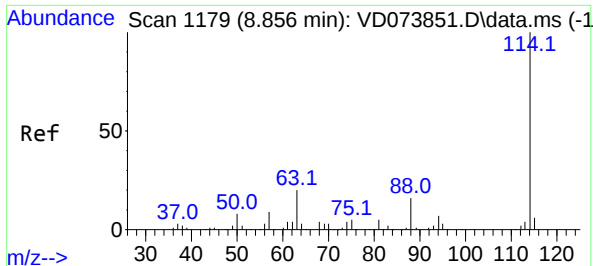
Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
69 43.5 25.4 38.2#
84 103.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 118.246 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Tgt Ion: 65 Resp: 21830
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4

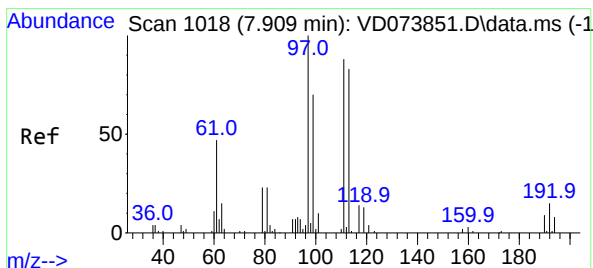
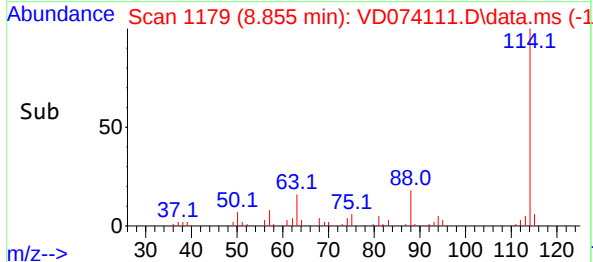
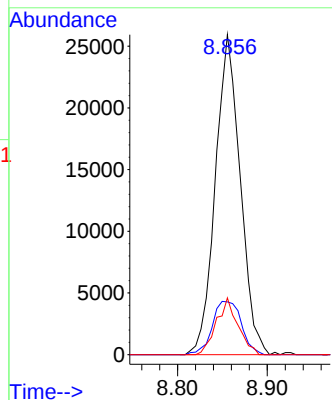
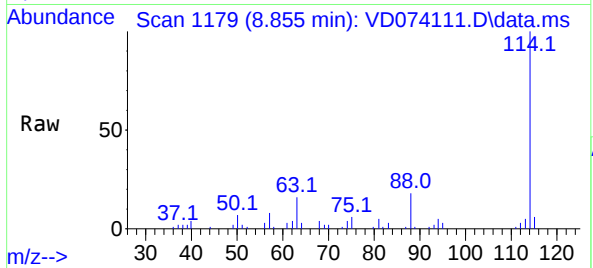




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

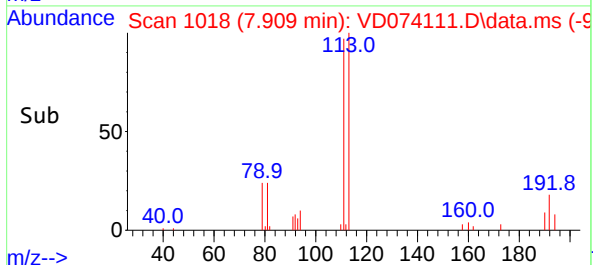
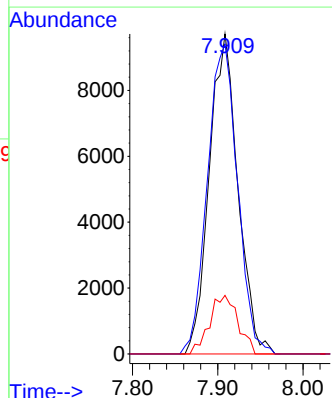
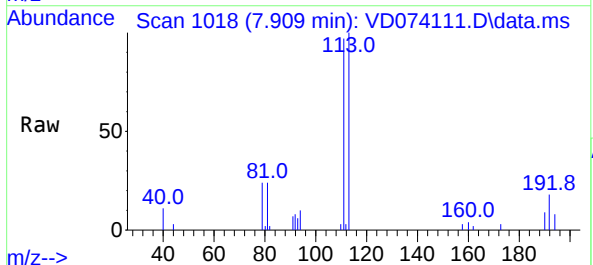
Instrument :
MSVOA_D
ClientSampleId :
SB12RE

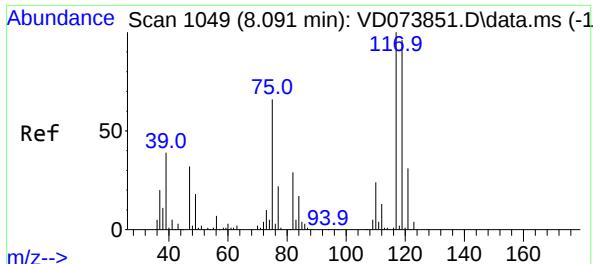
Tgt Ion:114 Resp: 50001
Ion Ratio Lower Upper
114 100
63 16.5 0.0 46.6
88 17.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 70.917 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Tgt Ion:113 Resp: 22659
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 18.2 14.6 21.8

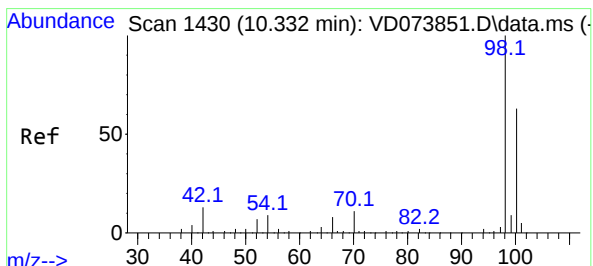
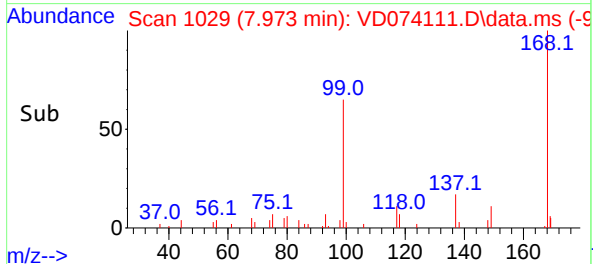
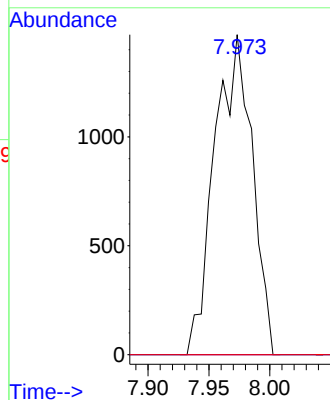
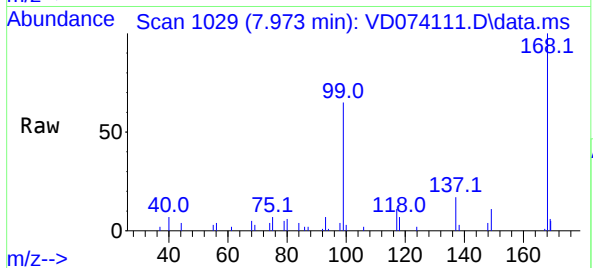




#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

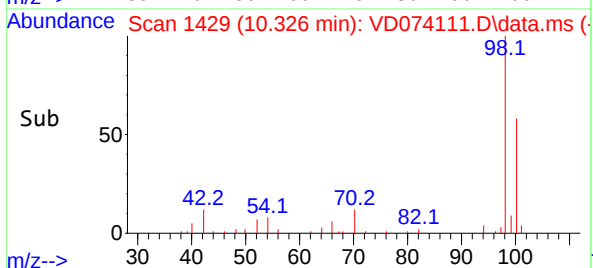
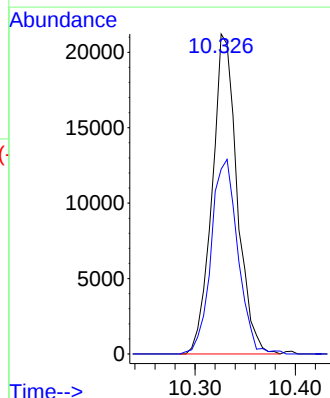
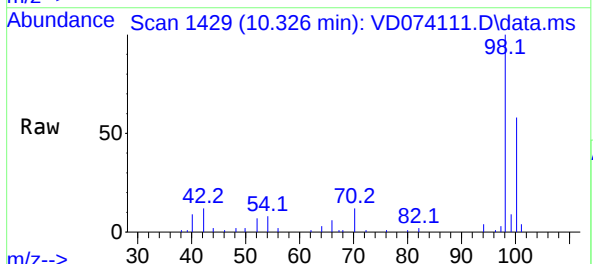
Instrument :
MSVOA_D
ClientSampleId :
SB12RE

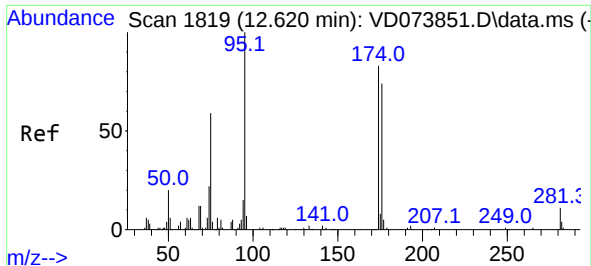
Tgt Ion:117 Resp: 3157
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 37.768 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Tgt Ion: 98 Resp: 36639
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

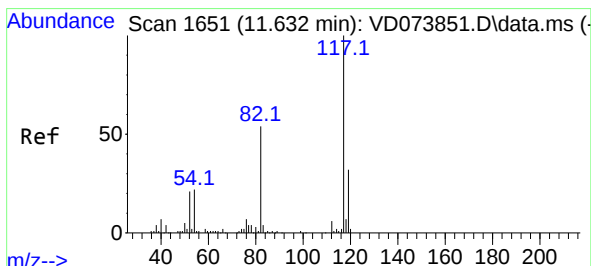
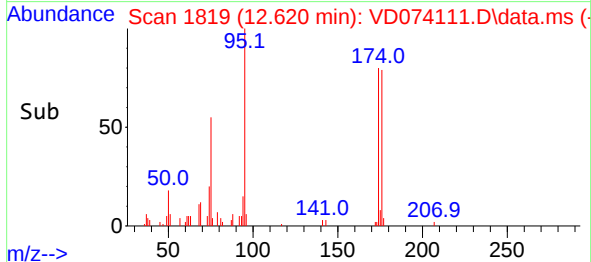
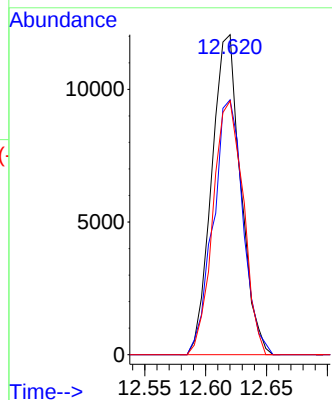
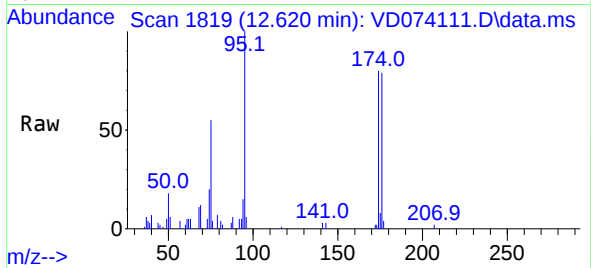




#62
4-Bromofluorobenzene
Concen: 49.863 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

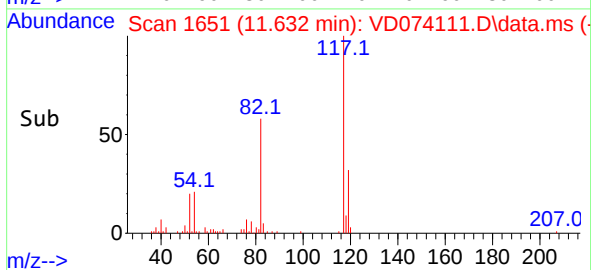
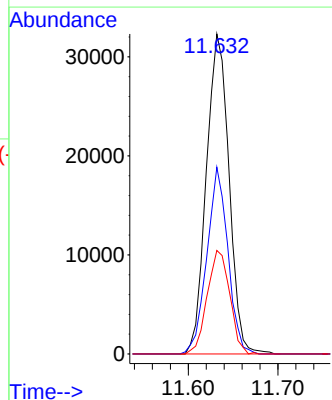
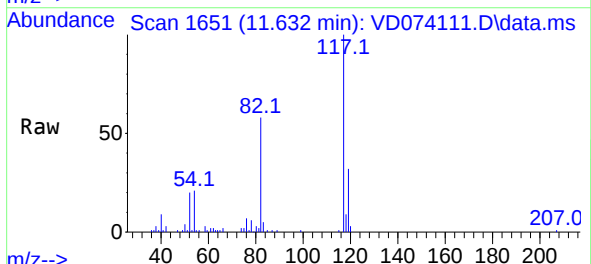
Instrument :
MSVOA_D
ClientSampleId :
SB12RE

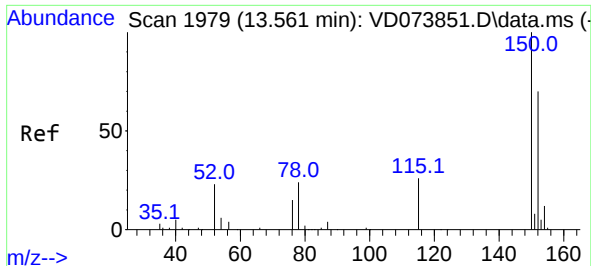
Tgt Ion: 95 Resp: 19975
Ion Ratio Lower Upper
95 100
174 81.9 0.0 152.8
176 82.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Tgt Ion: 117 Resp: 56750
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 32.4 26.6 40.0

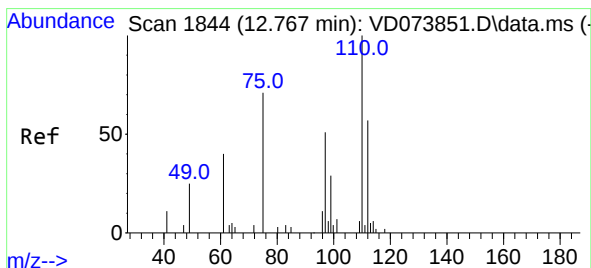
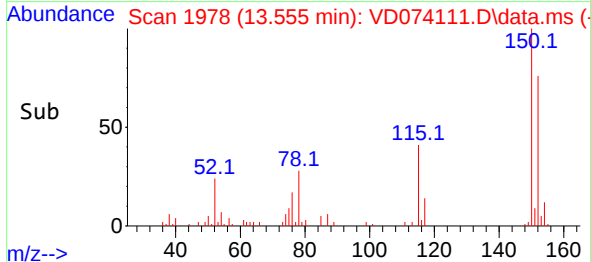
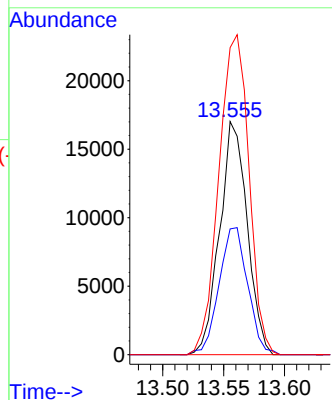
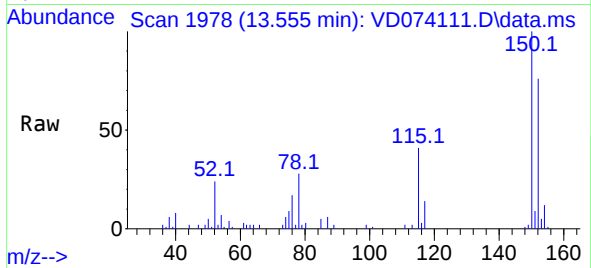




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

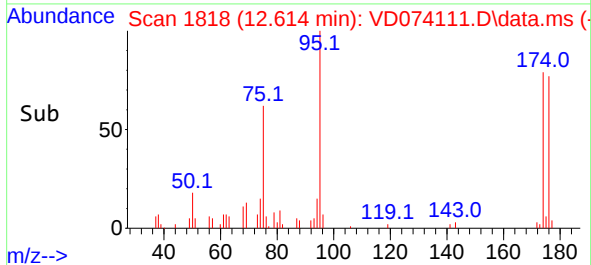
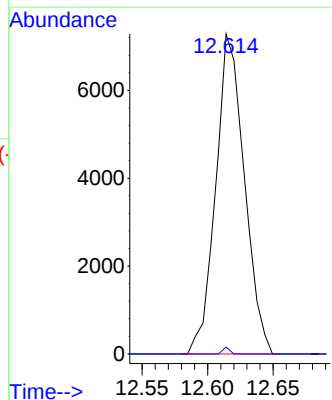
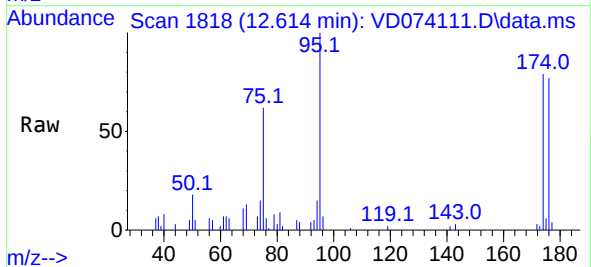
Instrument :
MSVOA_D
ClientSampleId :
SB12RE

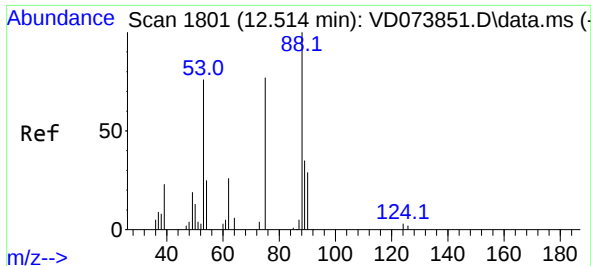
Tgt Ion:152 Resp: 26843
Ion Ratio Lower Upper
152 100
115 56.7 31.3 93.8
150 149.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.118 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

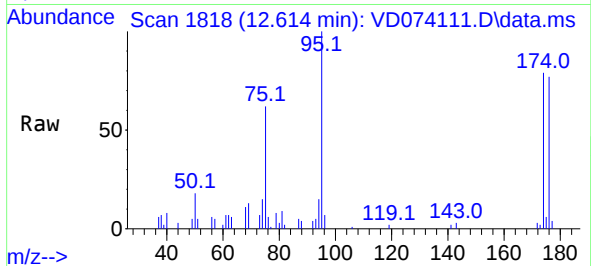
Tgt Ion: 75 Resp: 11031
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.617 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD074111.D
Acq: 16 Aug 2022 19:47

Instrument :
MSVOA_D
ClientSampleId :
SB12RE



Tgt Ion: 75 Resp: 11031
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

