

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074115.D
 Acq On : 16 Aug 2022 21:42
 Operator : VA/SY
 Sample : N4140-01RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LINDEN-MR-B1B-SPRE

Quant Time: Aug 16 22:52:46 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

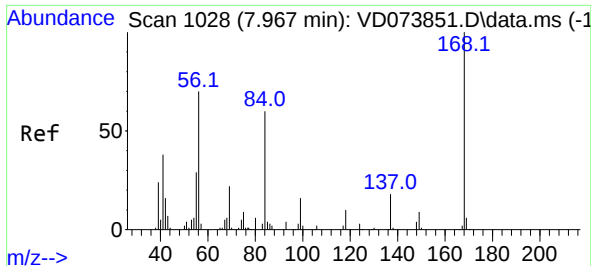
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	121396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	214137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	193302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	79376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	47850	53.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.908	113	60893	44.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.000%	
50) Toluene-d8	10.332	98	139373	33.546	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 67.100%	
62) 4-Bromofluorobenzene	12.620	95	58555	34.130	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 68.260%	
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	158	Below Cal	#	40
11) Tert butyl alcohol	5.244	59	116	Below Cal	#	74
16) Acetone	4.150	43	557	Below Cal	#	47
17) Carbon Disulfide	4.397	76	2986	Below Cal	#	89
18) Methyl Acetate	4.462	43	55	Below Cal	#	55
20) Methylene Chloride	4.967	84	10170	Below Cal	#	81
25) 2-Butanone	7.197	43	2004	6.459	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	2258	1.031	ug/l #	54
31) Cyclohexane	7.973	56	3085	Below Cal	#	37
36) 1,1-Dichloropropene	7.967	75	11131	5.965	ug/l #	48
37) Ethyl Acetate	7.197	43	2004	2.708	ug/l #	1
38) Carbon Tetrachloride	7.973	117	13056	6.062	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	31863	45.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	31863	125.635	ug/l #	7

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

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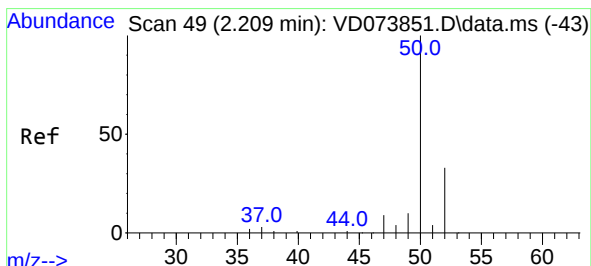
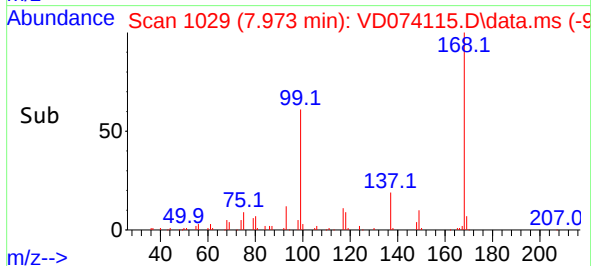
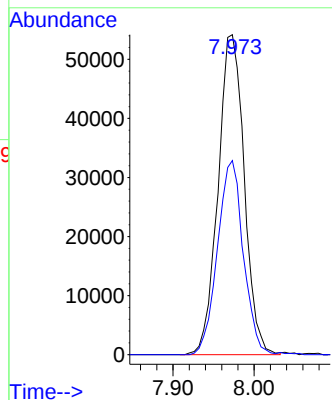
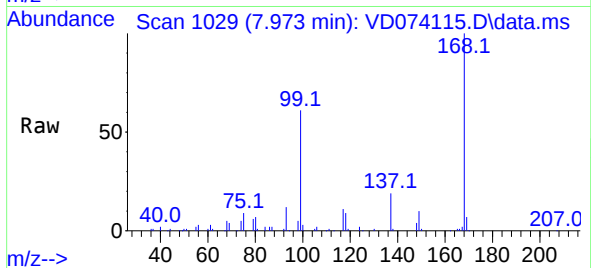




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

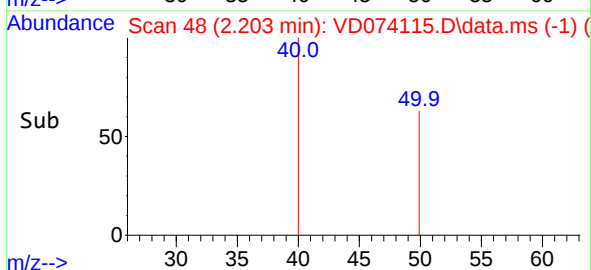
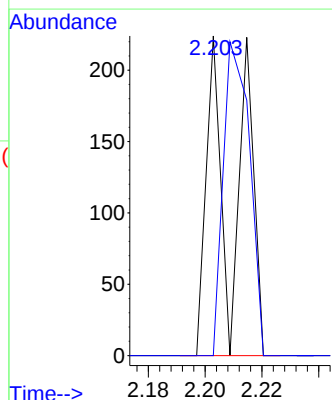
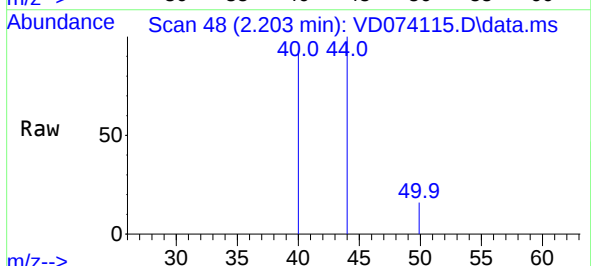
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-MR-B1B-SPRE

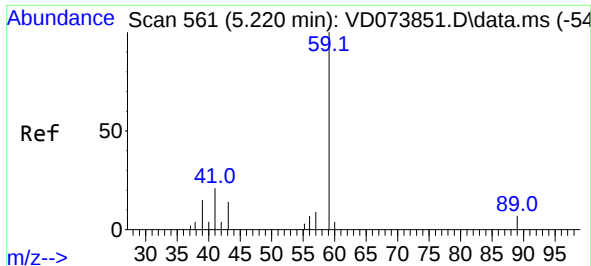
Tgt Ion:168 Resp: 121396
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

Tgt Ion: 50 Resp: 158
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.244 min Scan# 5

Delta R.T. 0.024 min

Lab File: VD074115.D

Acq: 16 Aug 2022 21:42

Instrument :

MSVOA_D

ClientSampleId :

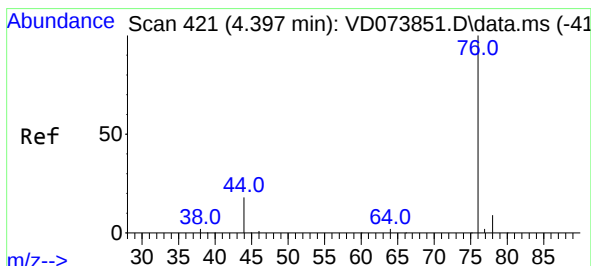
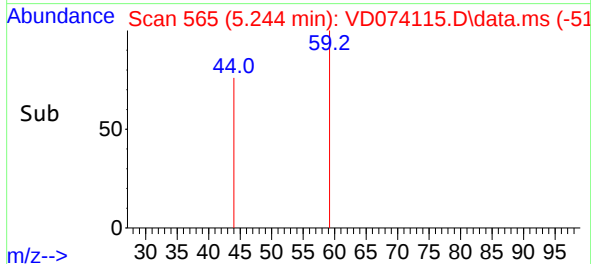
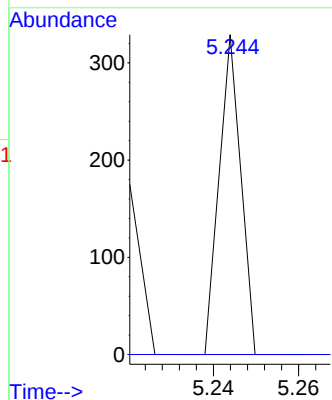
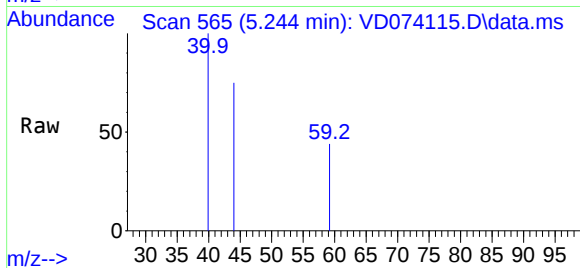
LINDEN-MR-B1B-SPRE

Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.397 min Scan# 421

Delta R.T. -0.000 min

Lab File: VD074115.D

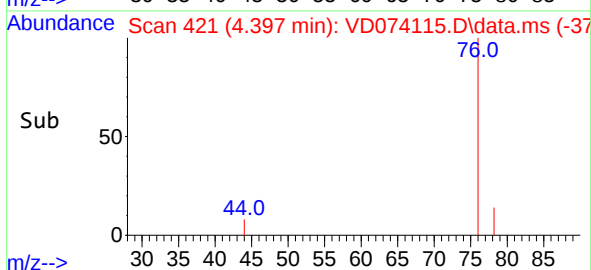
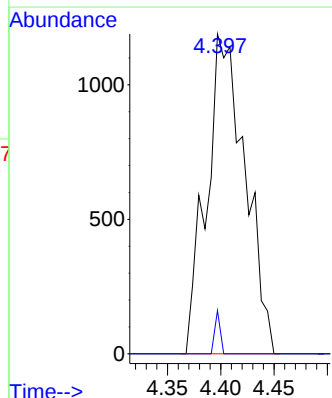
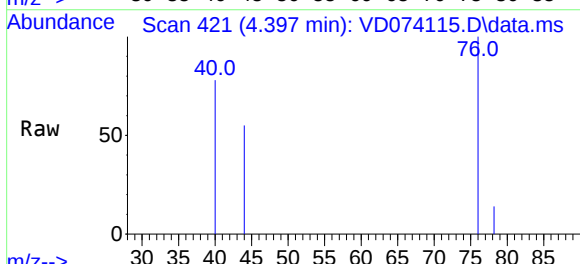
Acq: 16 Aug 2022 21:42

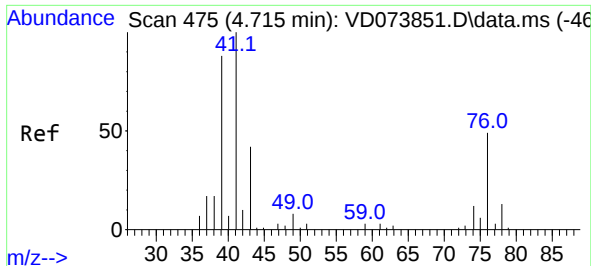
Tgt Ion: 76 Resp: 2986

Ion Ratio Lower Upper

76 100

78 13.5 7.5 11.3#

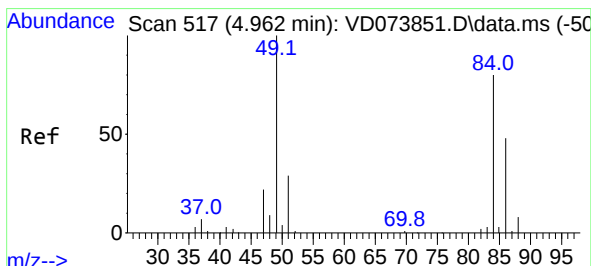
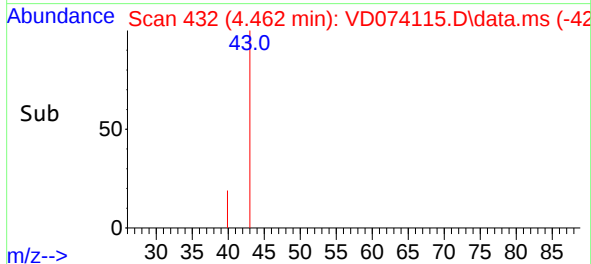
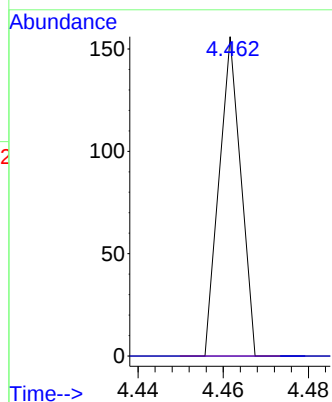
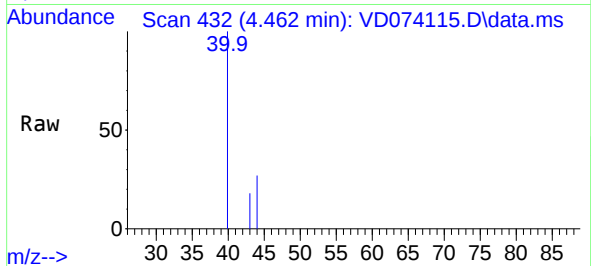




#18
Methyl Acetate
Concen: Below Cal
RT: 4.462 min Scan# 41
Delta R.T. -0.253 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

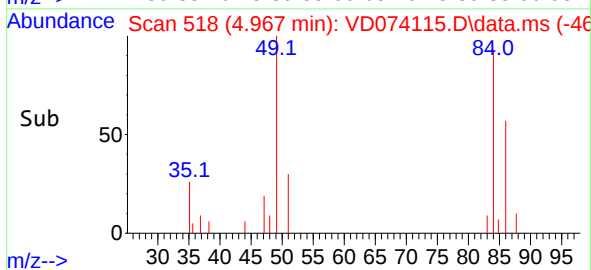
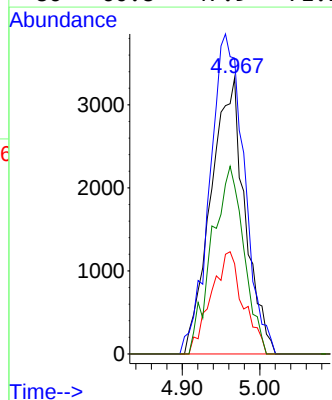
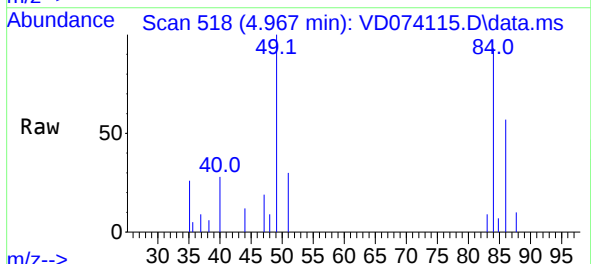
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-MR-B1B-SPRE

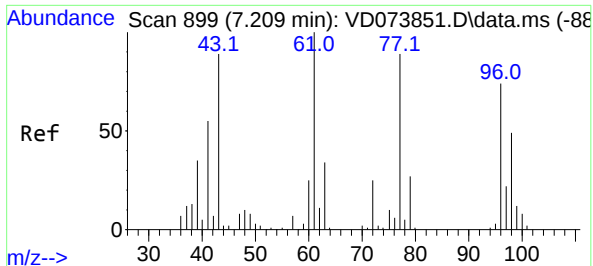
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

Tgt Ion: 84 Resp: 10170
Ion Ratio Lower Upper
84 100
49 107.2 112.8 169.2#
51 32.7 32.6 48.8
86 60.8 47.9 71.9





#25

2-Butanone

Concen: 6.459 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.012 min

Lab File: VD074115.D

Acq: 16 Aug 2022 21:42

Instrument :

MSVOA_D

ClientSampleId :

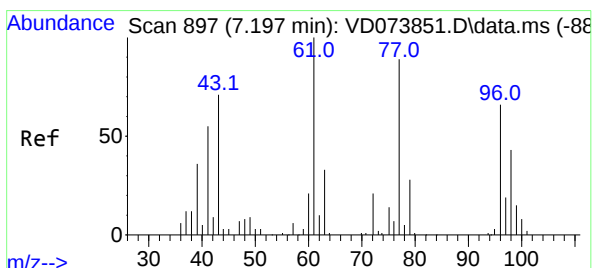
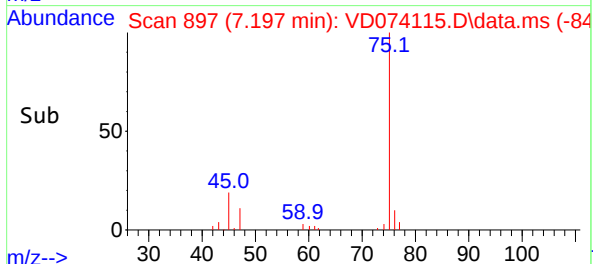
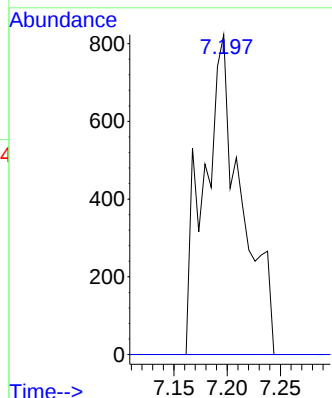
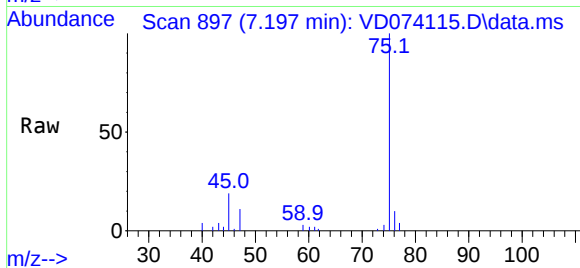
LINDEN-MR-B1B-SPRE

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.031 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.006 min

Lab File: VD074115.D

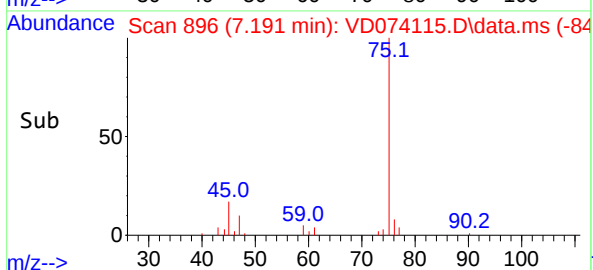
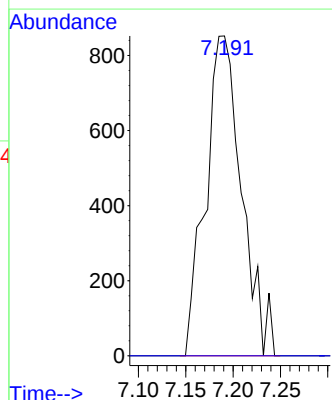
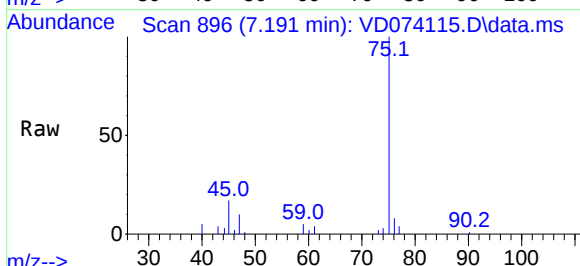
Acq: 16 Aug 2022 21:42

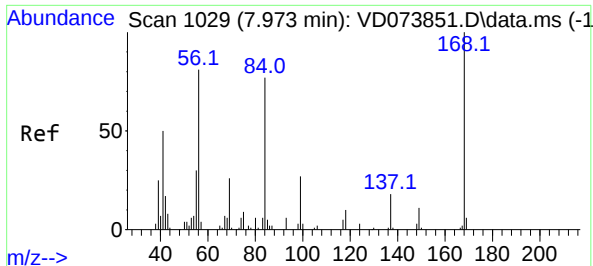
Tgt Ion: 77 Resp: 2258

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: VD074115.D

Acq: 16 Aug 2022 21:42

Instrument :

MSVOA_D

ClientSampleId :

LINDEN-MR-B1B-SPRE

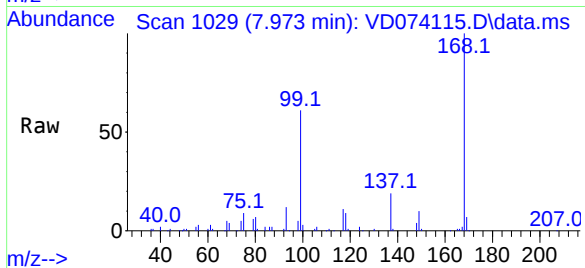
Tgt Ion: 56 Resp: 3085

Ion Ratio Lower Upper

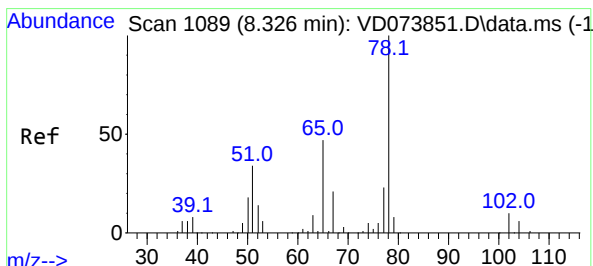
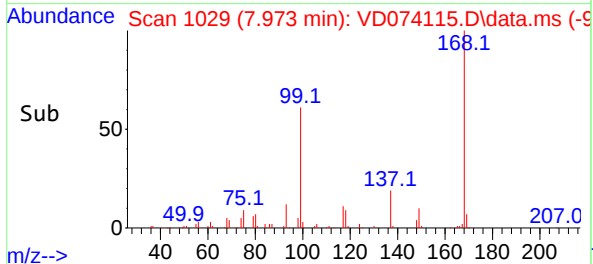
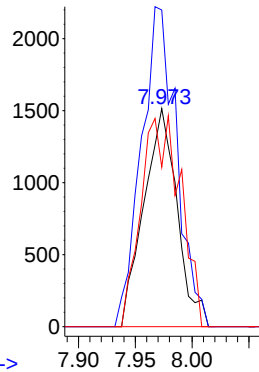
56 100

69 145.2 25.4 38.2#

84 73.1 63.0 94.4



Abundance



#33

1,2-Dichloroethane-d4

Concen: 53.465 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD074115.D

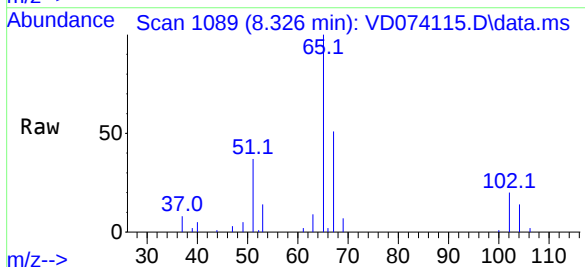
Acq: 16 Aug 2022 21:42

Tgt Ion: 65 Resp: 47850

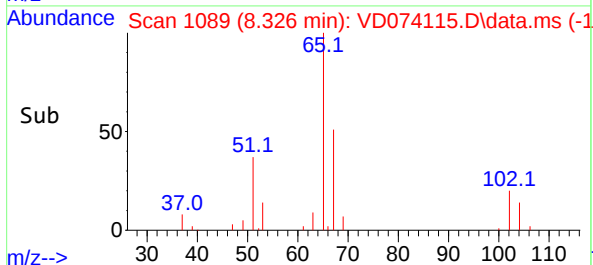
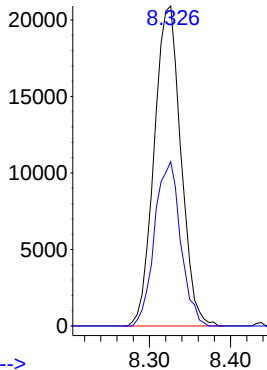
Ion Ratio Lower Upper

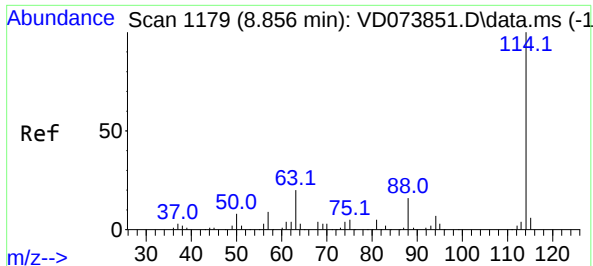
65 100

67 50.0 0.0 101.4



Abundance





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074115.D

Acq: 16 Aug 2022 21:42

Instrument :

MSVOA_D

ClientSampleId :

LINDEN-MR-B1B-SPRE

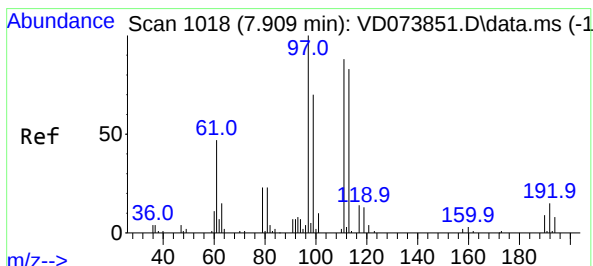
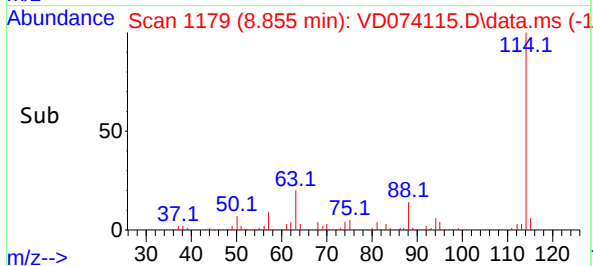
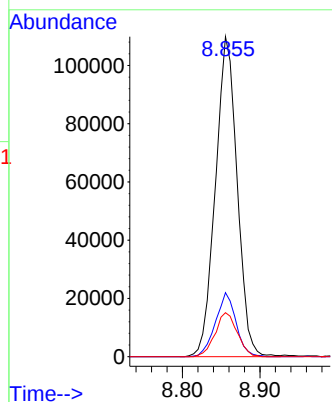
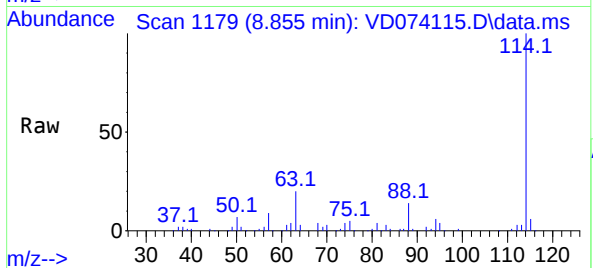
Tgt Ion:114 Resp: 214137

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 13.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.500 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD074115.D

Acq: 16 Aug 2022 21:42

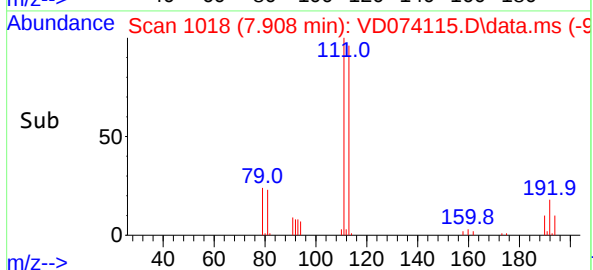
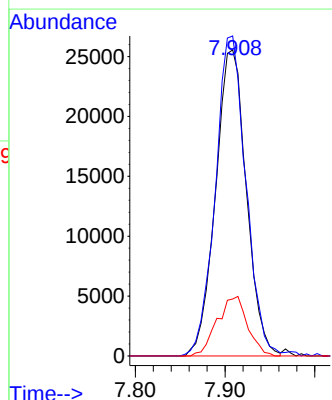
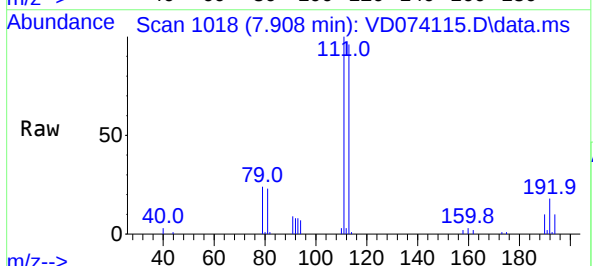
Tgt Ion:113 Resp: 60893

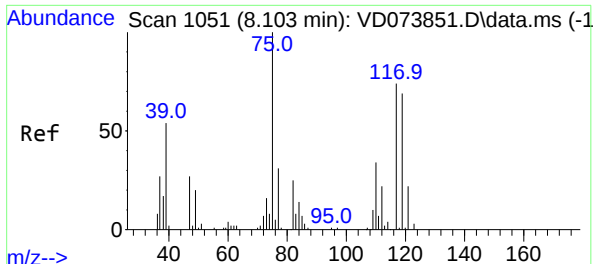
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 19.2 14.6 21.8

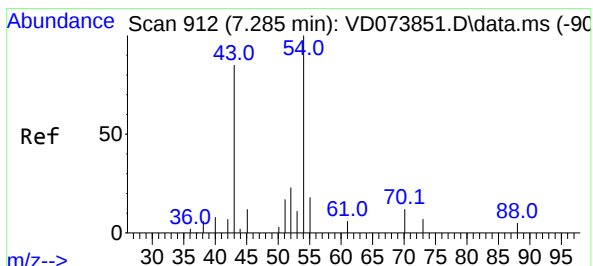
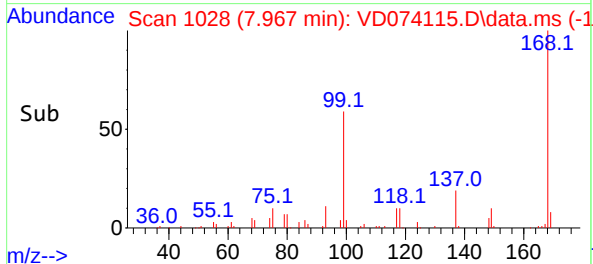
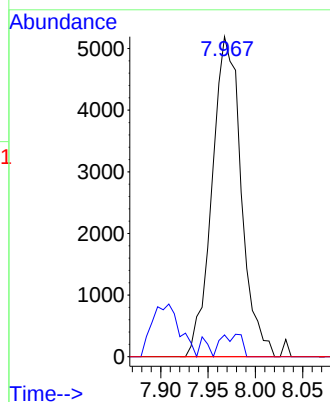
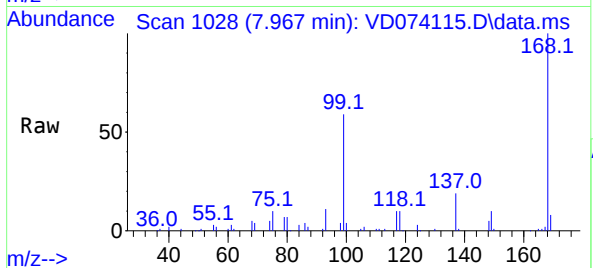




#36
1,1-Dichloropropene
Concen: 5.965 ug/l
RT: 7.967 min Scan# 11131
Delta R.T. -0.136 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

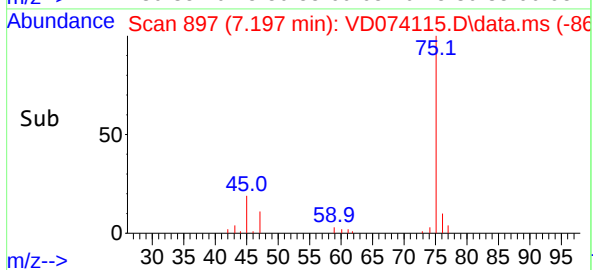
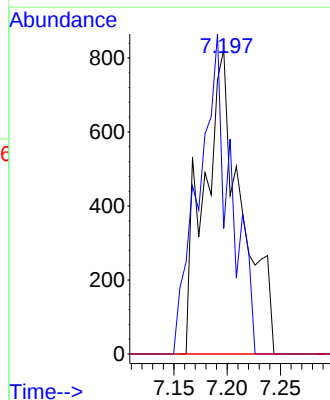
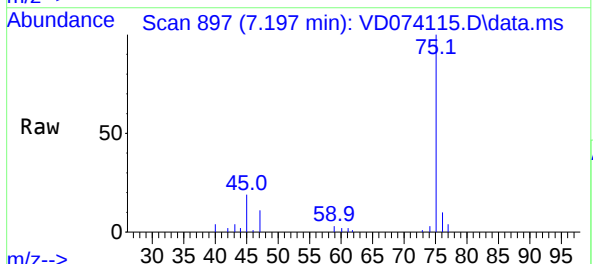
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-MR-B1B-SPRE

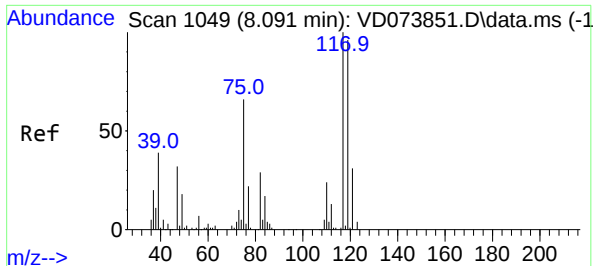
Tgt Ion: 75	Resp: 11131
Ion Ratio	Lower Upper
75 100	
110 5.0	16.4 49.1#
77 0.0	24.2 36.2#



#37
Ethyl Acetate
Concen: 2.708 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.088 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

Tgt Ion: 43	Resp: 2004
Ion Ratio	Lower Upper
43 100	
61 90.7	9.8 14.8#
70 0.0	6.9 10.3#

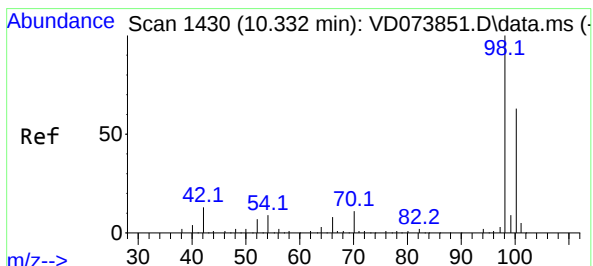
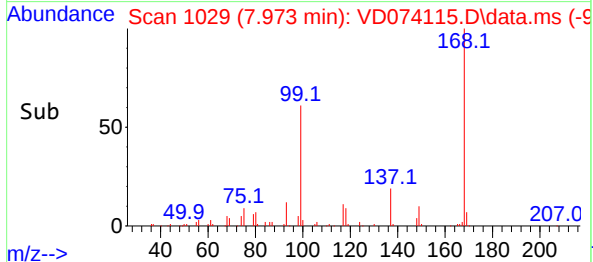
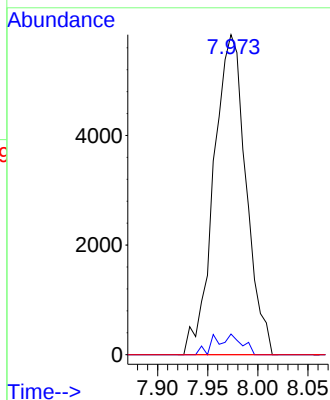
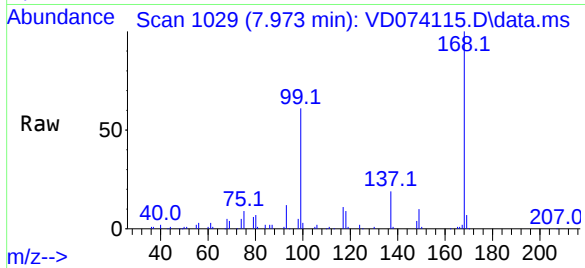




#38
Carbon Tetrachloride
Concen: 6.062 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

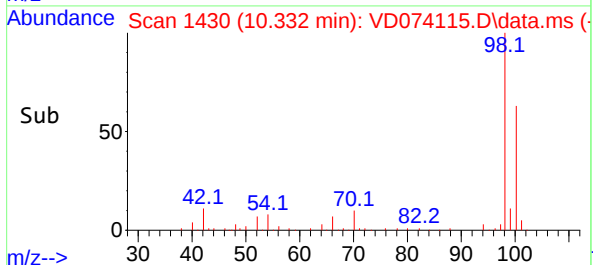
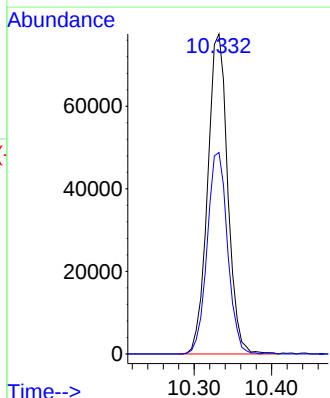
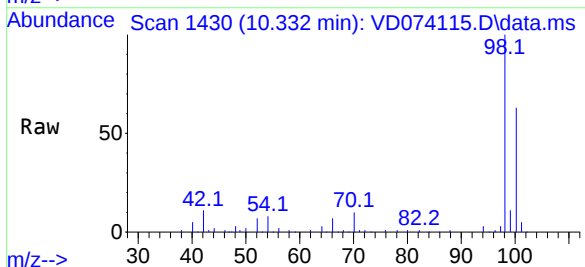
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-MR-B1B-SPRE

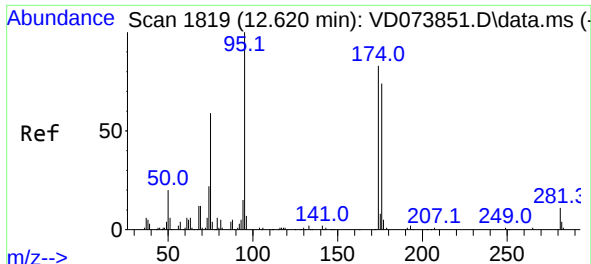
Tgt Ion:117 Resp: 13056
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 33.546 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

Tgt Ion: 98 Resp: 139373
Ion Ratio Lower Upper
98 100
100 63.8 52.4 78.6

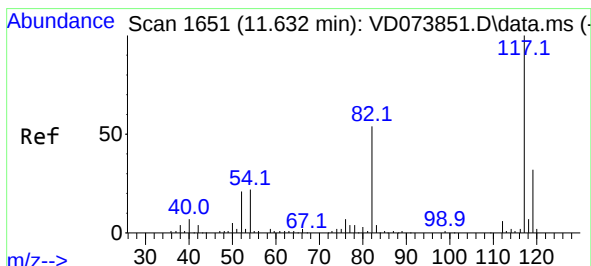
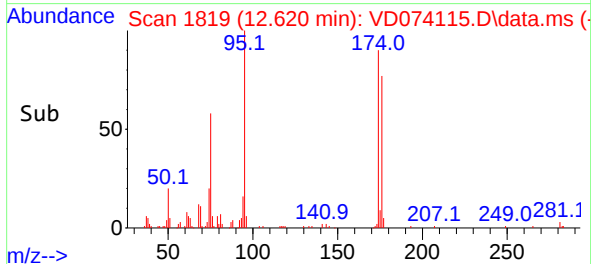
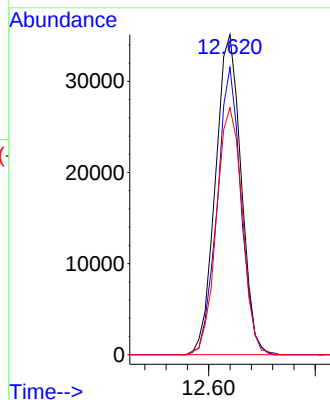
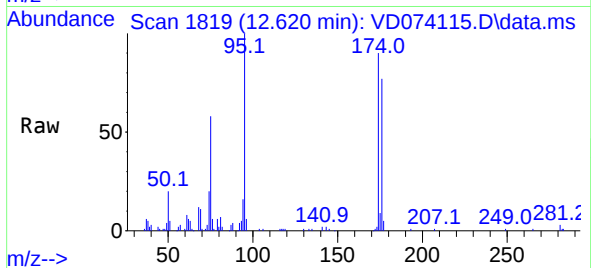




#62
4-Bromofluorobenzene
Concen: 34.130 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

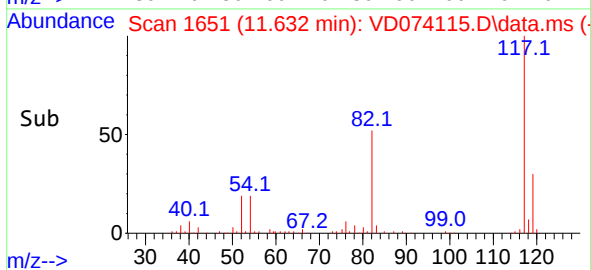
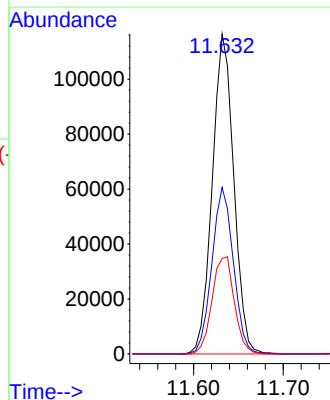
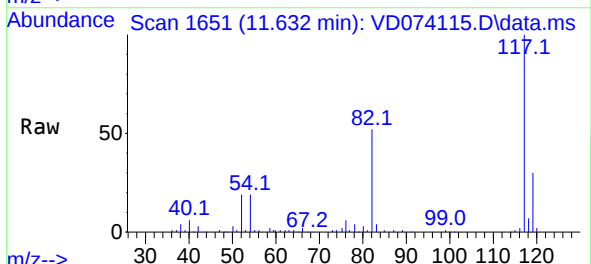
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-MR-B1B-SPRE

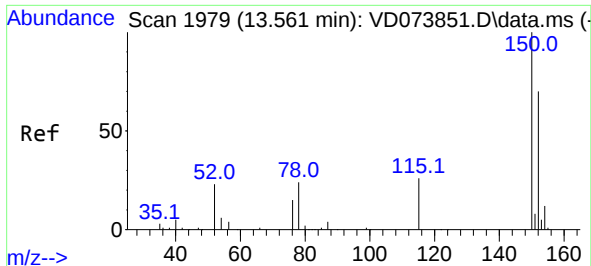
Tgt Ion: 95 Resp: 58555
Ion Ratio Lower Upper
95 100
174 83.8 0.0 152.8
176 77.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

Tgt Ion: 117 Resp: 193302
Ion Ratio Lower Upper
117 100
82 52.0 45.3 67.9
119 29.8 26.6 40.0

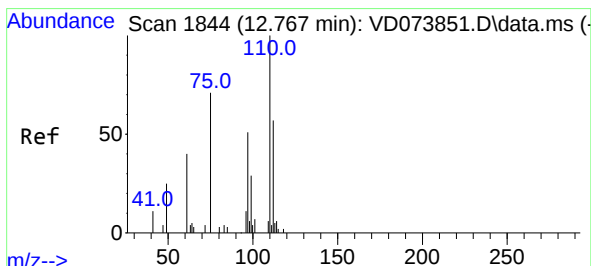
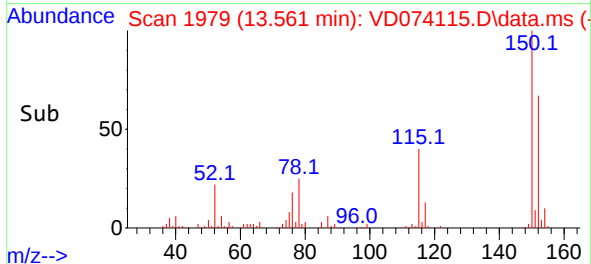
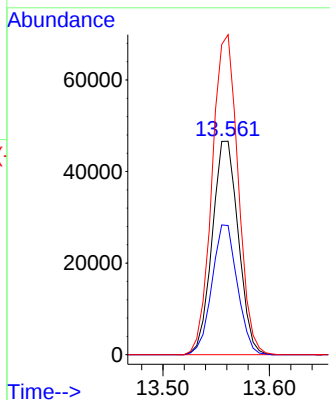
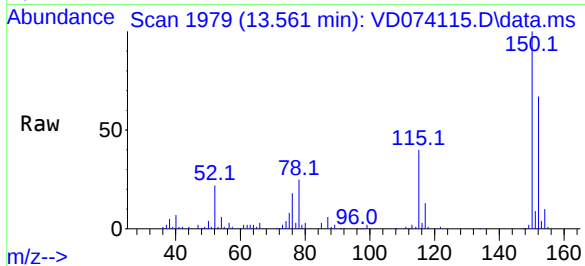




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

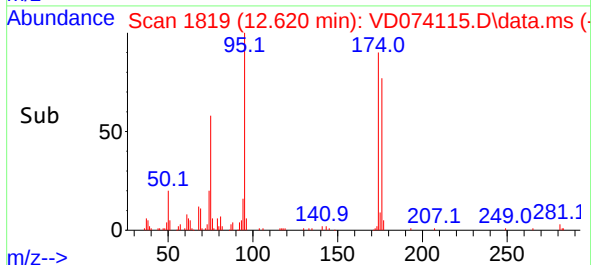
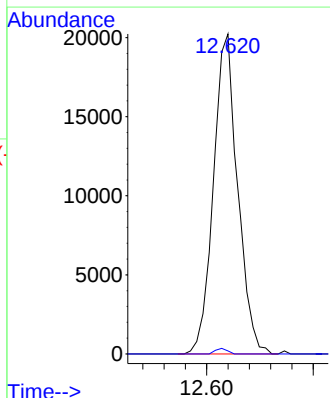
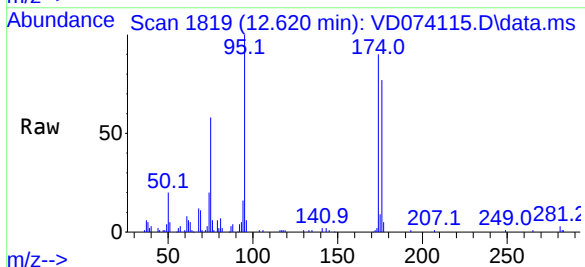
Instrument :
MSVOA_D
ClientSampleId :
LINDEN-MR-B1B-SPRE

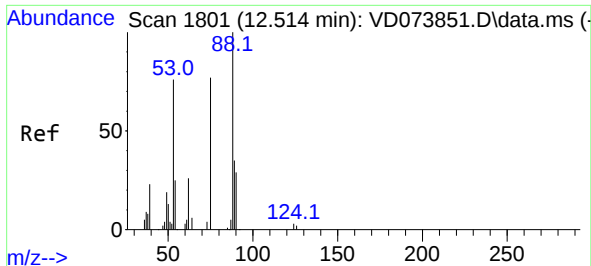
Tgt Ion:152 Resp: 79376
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 149.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.049 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074115.D
Acq: 16 Aug 2022 21:42

Tgt Ion: 75 Resp: 31863
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 125.635 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD074115.D

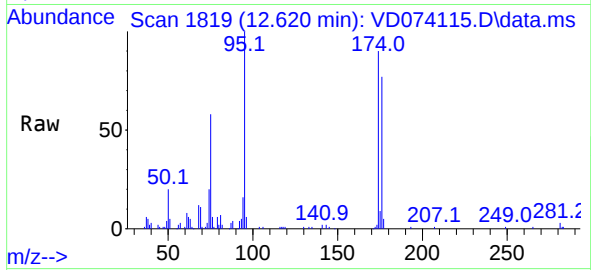
Acq: 16 Aug 2022 21:42

Instrument :

MSVOA_D

ClientSampleId :

LINDEN-MR-B1B-SPRE



Tgt Ion: 75 Resp: 31863

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 33.9 50.9#

