

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074614.D
 Acq On : 21 Oct 2022 14:31
 Operator : VA/SY
 Sample : N5229-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LRH-COMP-1

Quant Time: Oct 21 23:10:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	99528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	168753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	135591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	44918	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	41142	54.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.280%
35) Dibromofluoromethane	7.810	113	53863	57.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.560%
50) Toluene-d8	10.269	98	192113	56.878	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.760%
62) 4-Bromofluorobenzene	12.575	95	44934	46.092	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.180%

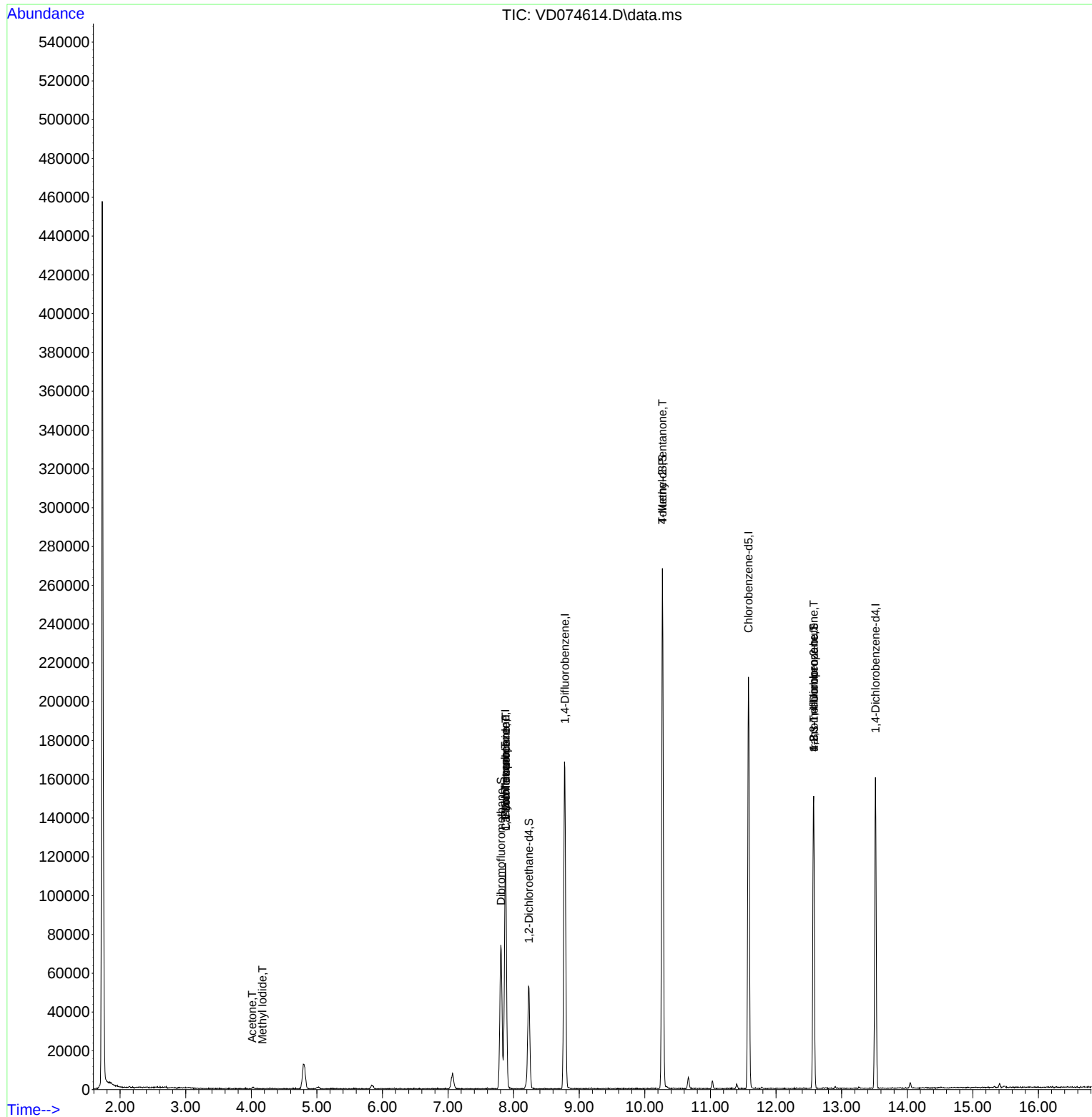
Target Compounds					Qvalue	
10) Methyl Iodide	4.169	142	115	4.016	ug/l #	43
11) Tert butyl alcohol	5.016	59	599	Below Cal	#	84
16) Acetone	4.016	43	781	4.707	ug/l #	37
20) Methylene Chloride	4.805	84	11783	Below Cal	#	95
31) Cyclohexane	7.875	56	1574	1.031	ug/l #	26
36) 1,1-Dichloropropene	7.881	75	6405	4.225	ug/l #	46
38) Carbon Tetrachloride	7.881	117	9457	6.371	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	487	1.101	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	21773	55.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	21773	141.865	ug/l #	17

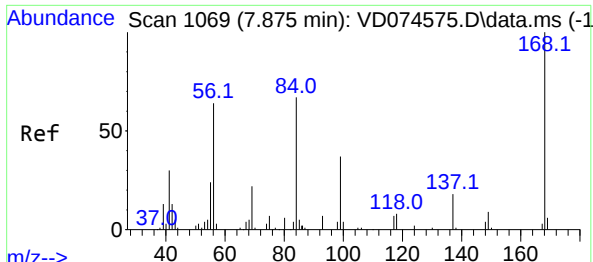
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
Data File : VD074614.D
Acq On : 21 Oct 2022 14:31
Operator : VA/SY
Sample : N5229-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

Quant Time: Oct 21 23:10:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 20 06:41:20 2022
Response via : Initial Calibration

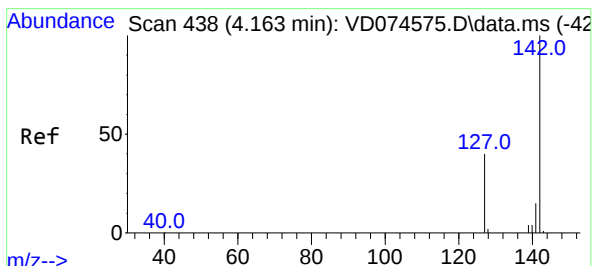
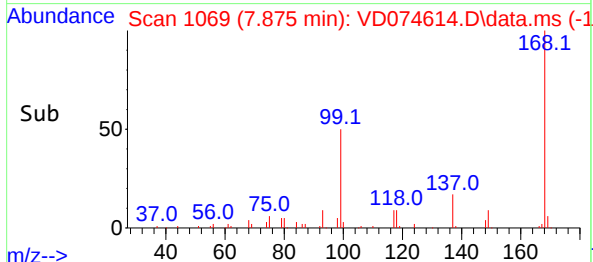
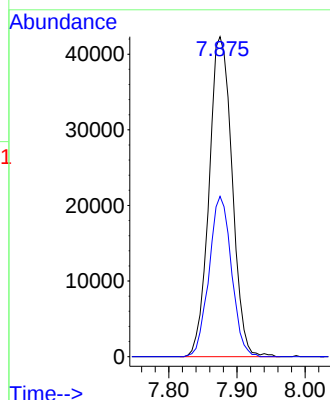
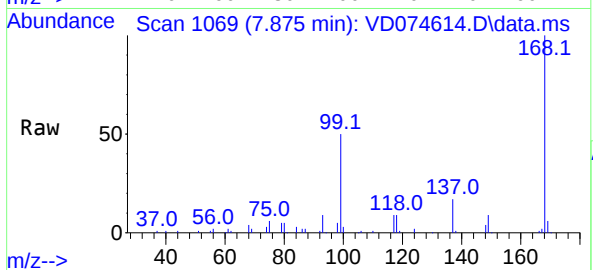




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

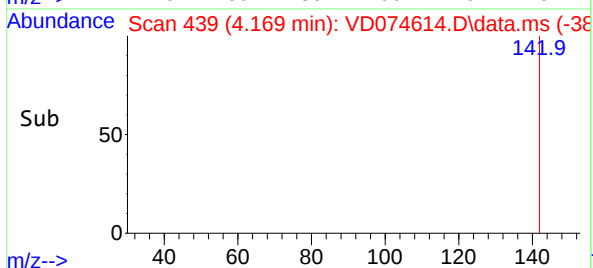
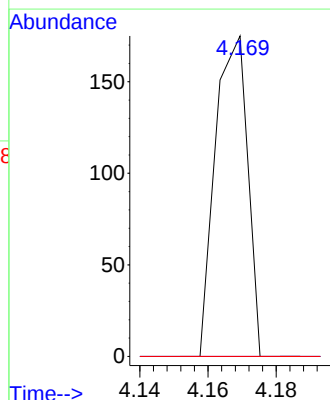
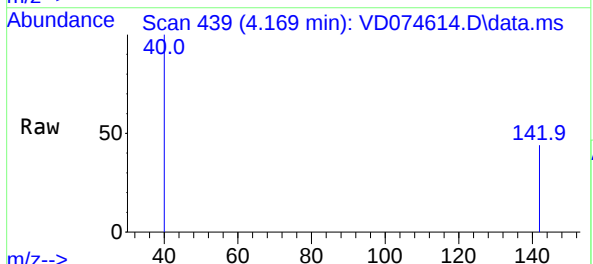
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

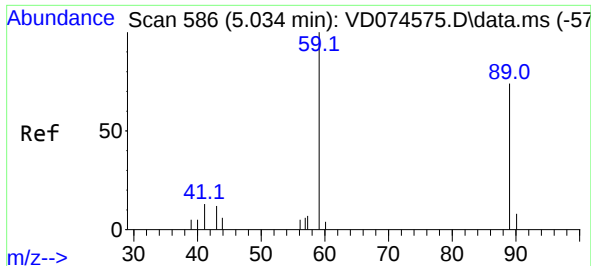
Tgt Ion:168 Resp: 99528
Ion Ratio Lower Upper
168 100
99 50.1 40.9 61.3



#10
Methyl Iodide
Concen: 4.016 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

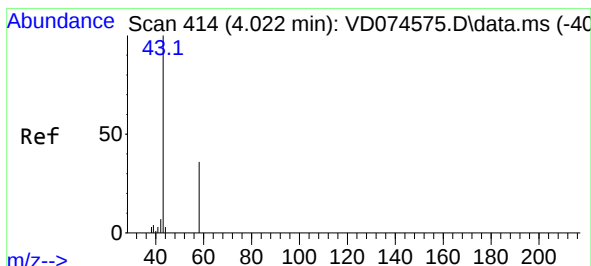
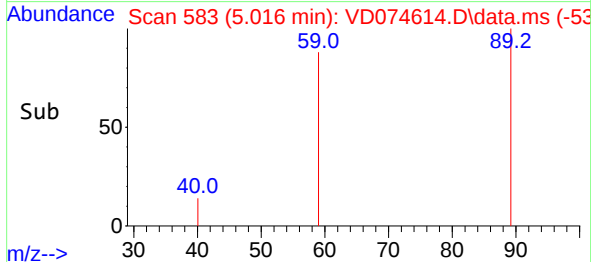
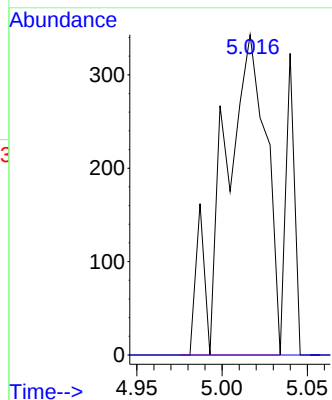
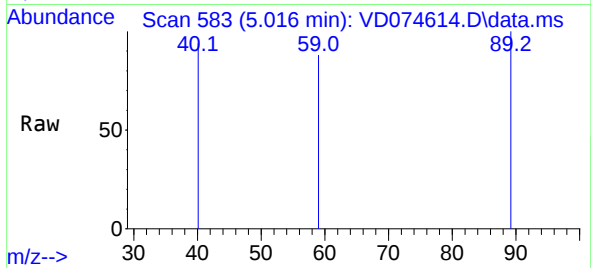




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

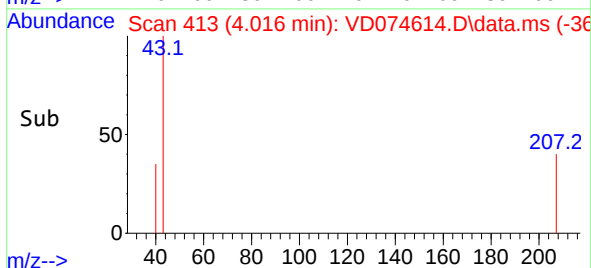
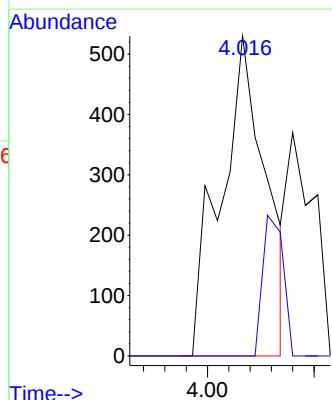
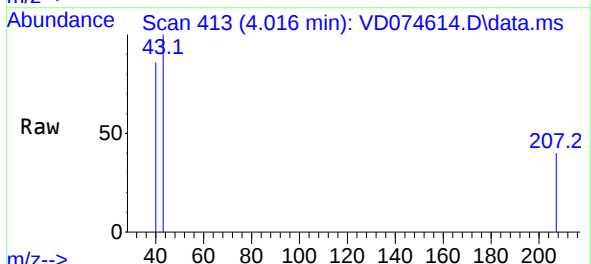
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

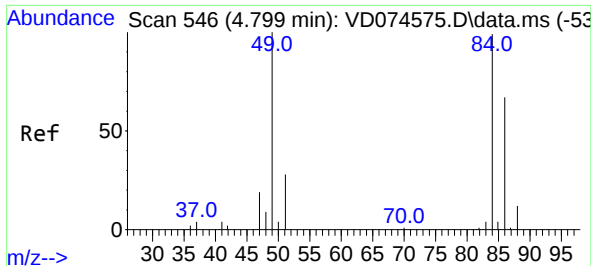
Tgt Ion: 59 Resp: 599
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 4.707 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD074614.D

Acq: 21 Oct 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

LRH-COMP-1

Tgt Ion: 84 Resp: 11783

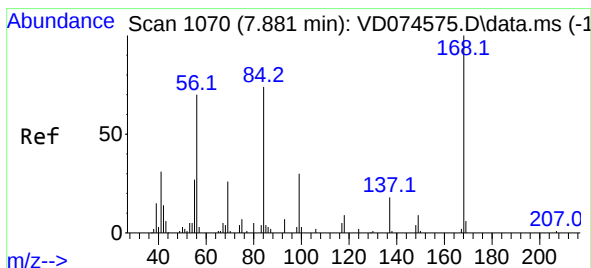
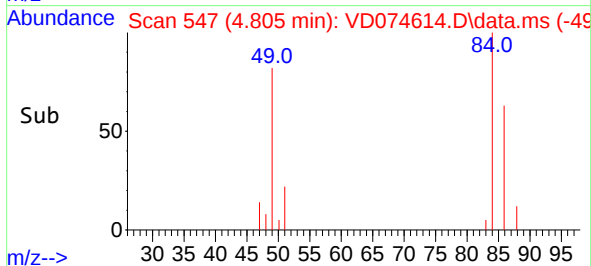
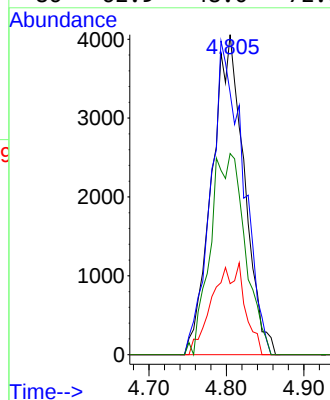
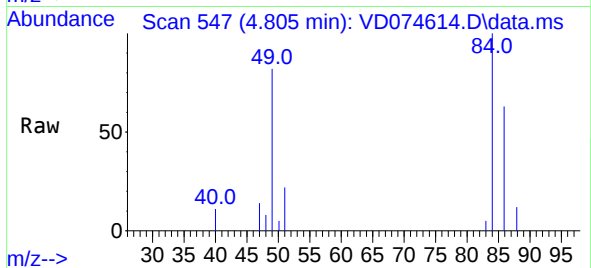
Ion Ratio Lower Upper

84 100

49 81.8 68.0 102.0

51 22.2 23.2 34.8#

86 62.9 48.0 72.0



#31

Cyclohexane

Concen: 1.031 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074614.D

Acq: 21 Oct 2022 14:31

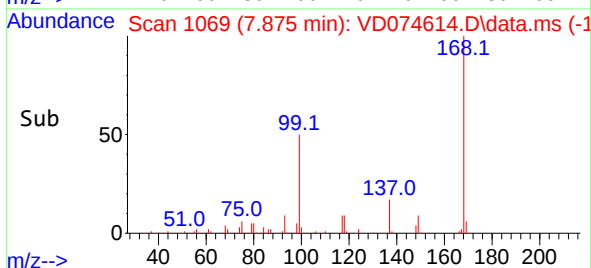
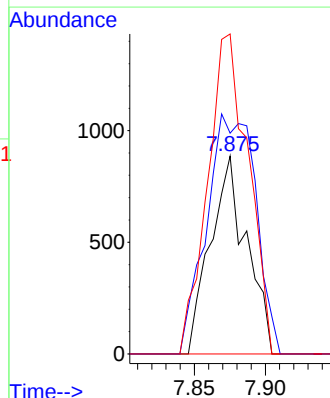
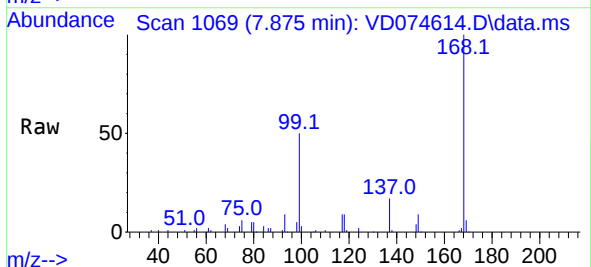
Tgt Ion: 56 Resp: 1574

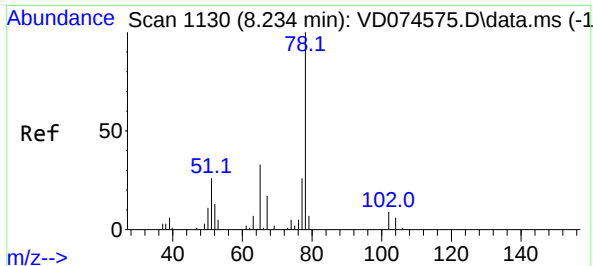
Ion Ratio Lower Upper

56 100

69 111.6 29.2 43.8#

84 161.7 83.4 125.2#

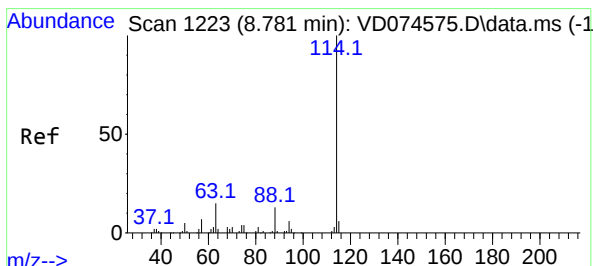
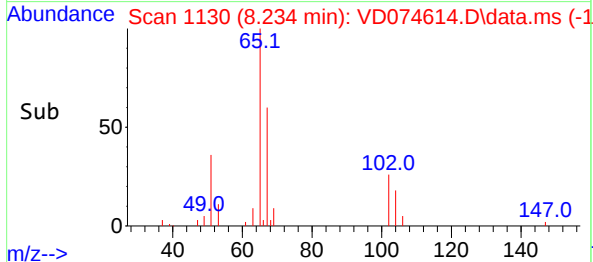
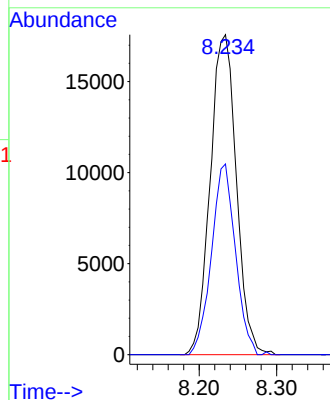
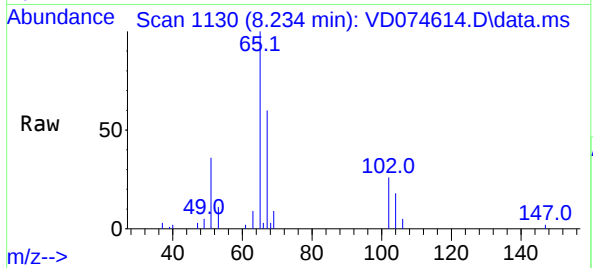




#33
1,2-Dichloroethane-d4
Concen: 54.143 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

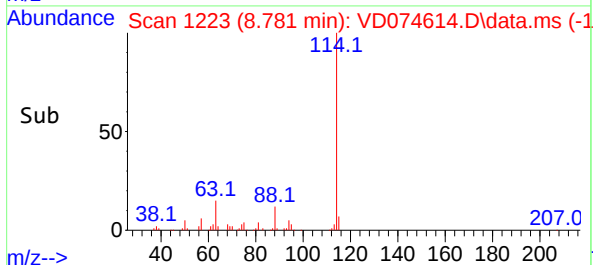
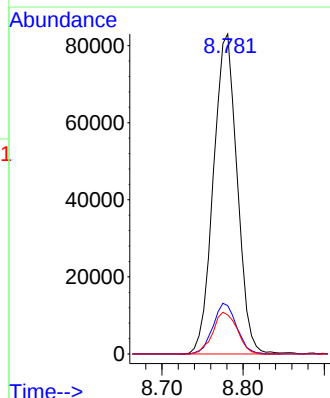
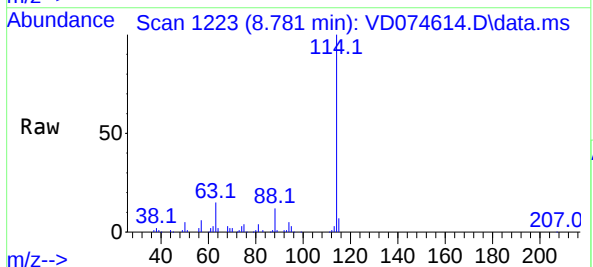
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

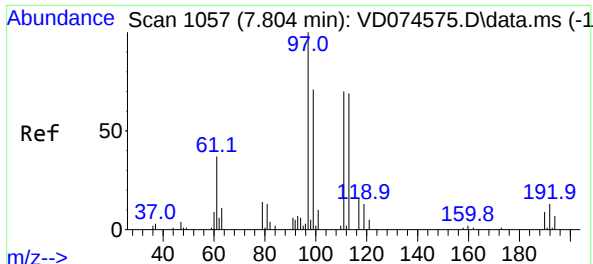
Tgt Ion: 65 Resp: 41142
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion: 114 Resp: 168753
Ion Ratio Lower Upper
114 100
63 15.1 0.0 33.2
88 12.2 0.0 28.2

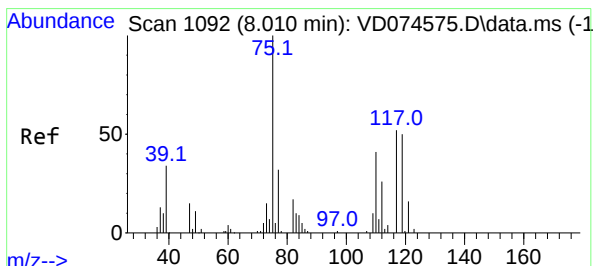
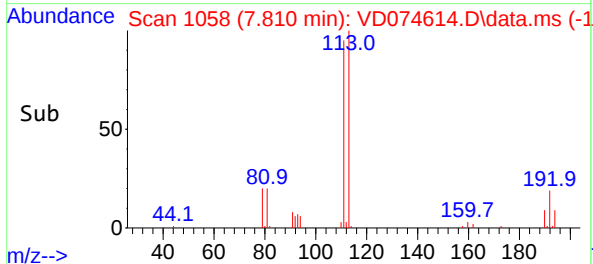
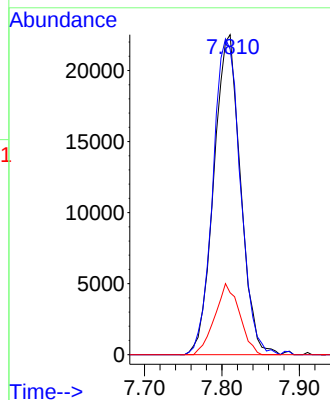
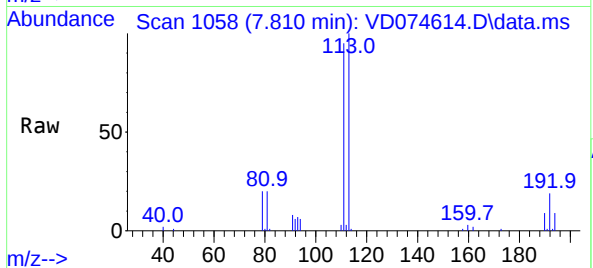




#35
Dibromofluoromethane
Concen: 57.782 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

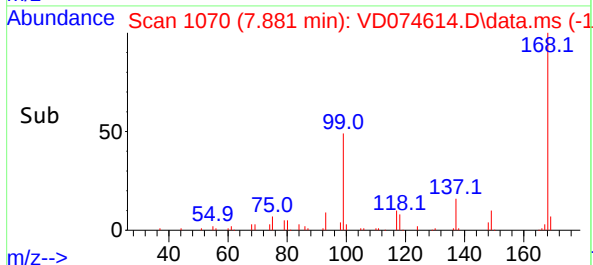
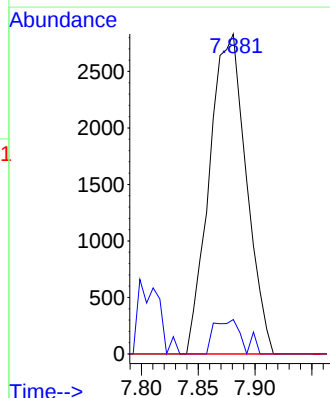
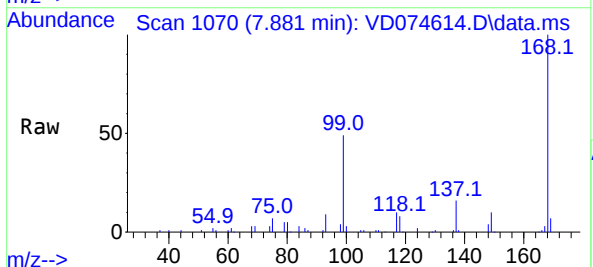
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

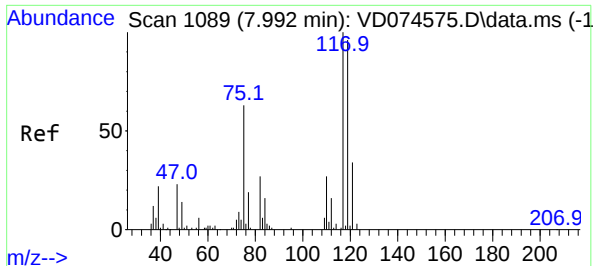
Tgt Ion:113 Resp: 53863
Ion Ratio Lower Upper
113 100
111 101.6 82.3 123.5
192 20.7 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.225 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion: 75 Resp: 6405
Ion Ratio Lower Upper
75 100
110 8.2 19.7 59.0#
77 0.0 25.4 38.2#

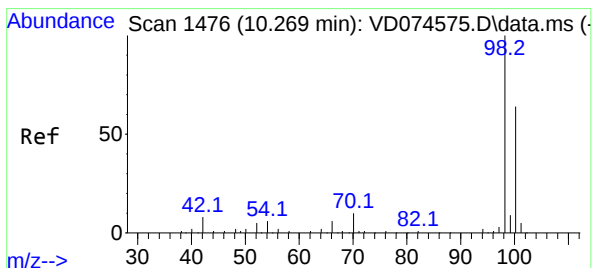
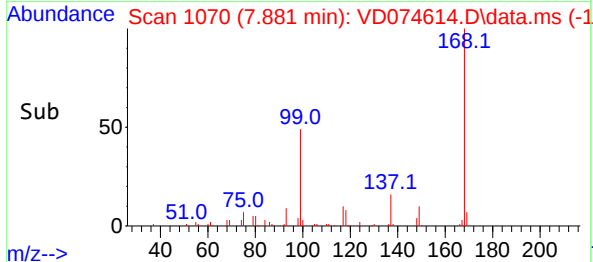
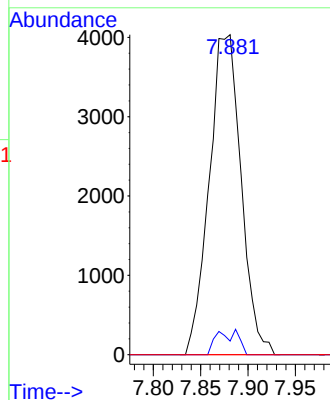
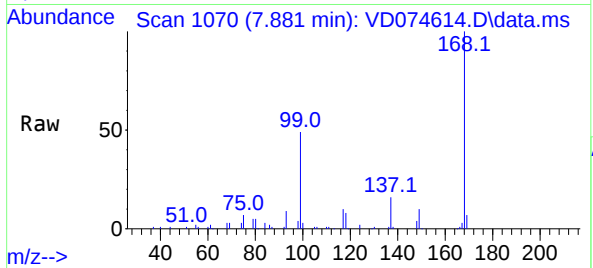




#38
Carbon Tetrachloride
Concen: 6.371 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.106 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

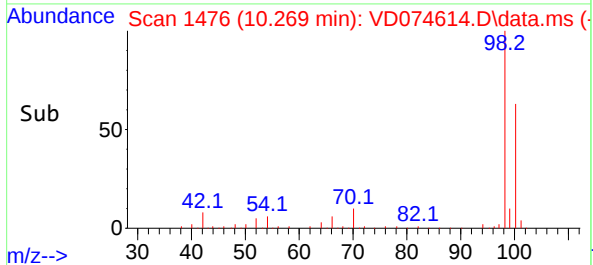
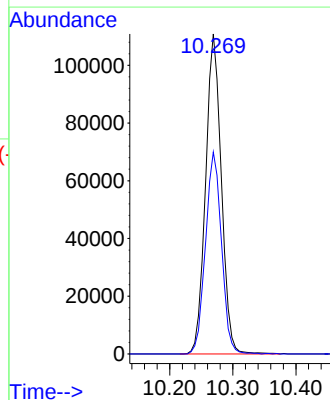
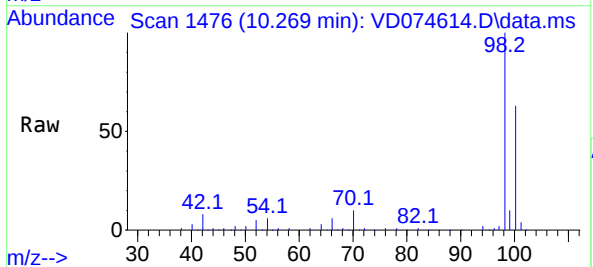
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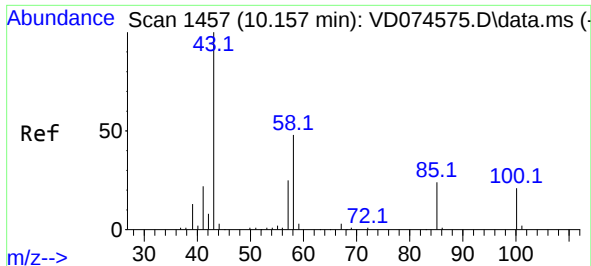
Tgt Ion:117 Resp: 9457
Ion Ratio Lower Upper
117 100
119 4.3 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 56.878 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion: 98 Resp: 192113
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.101 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074614.D

Acq: 21 Oct 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

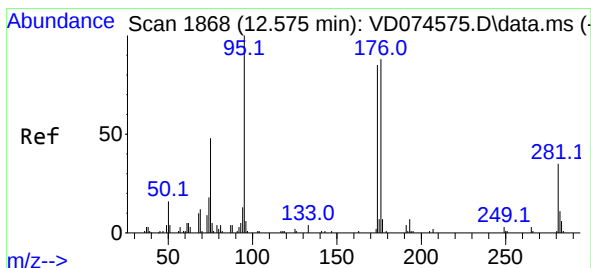
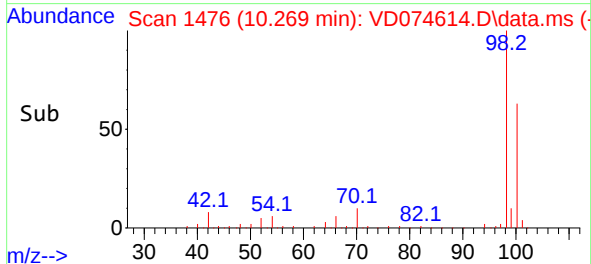
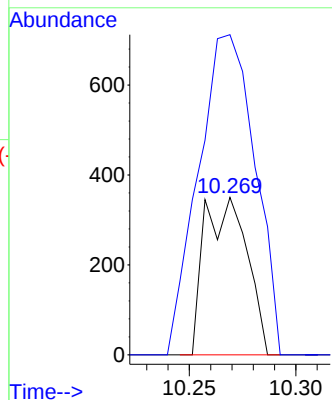
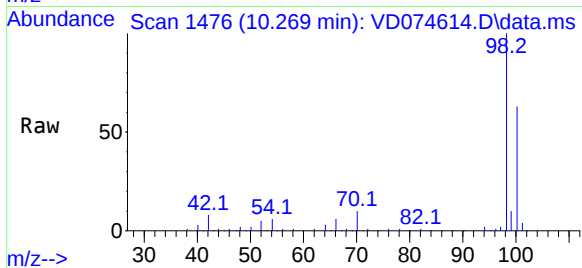
LRH-COMP-1

Tgt Ion: 43 Resp: 487

Ion Ratio Lower Upper

43 100

58 270.4 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 46.092 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD074614.D

Acq: 21 Oct 2022 14:31

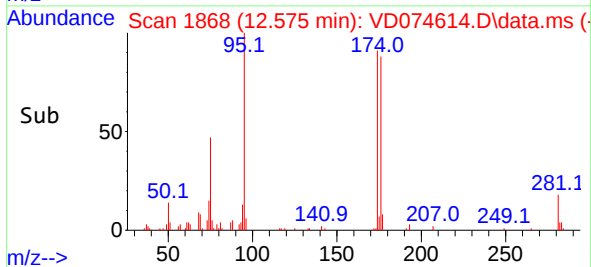
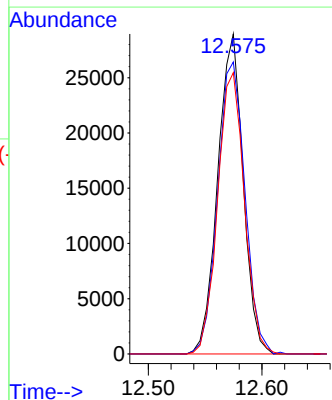
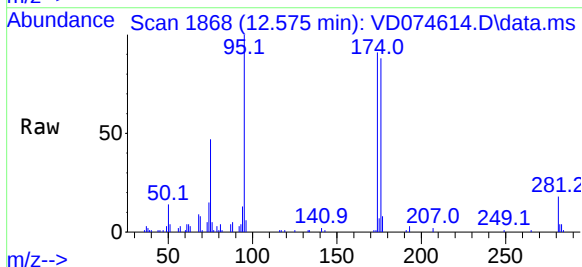
Tgt Ion: 95 Resp: 44934

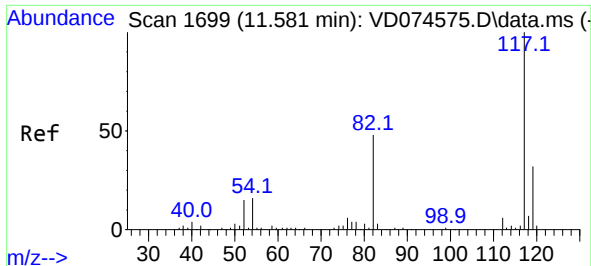
Ion Ratio Lower Upper

95 100

174 98.0 0.0 197.0

176 92.4 0.0 182.6

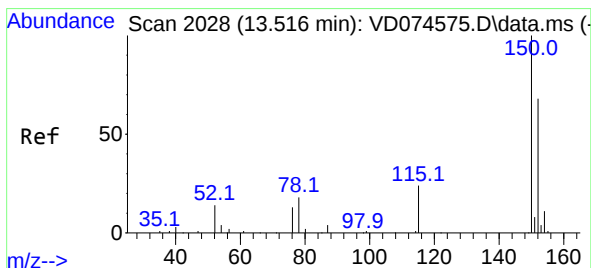
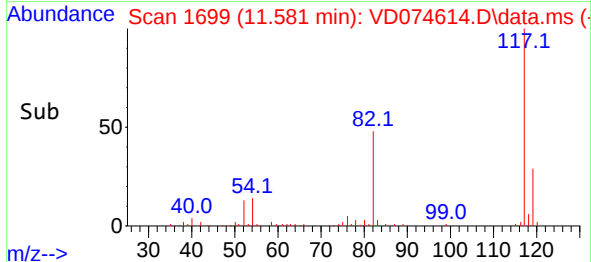
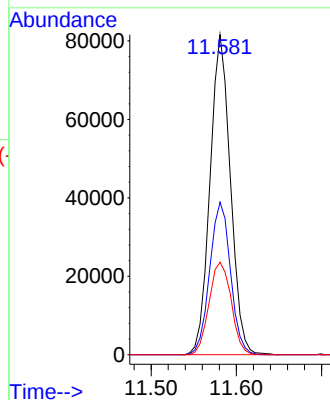
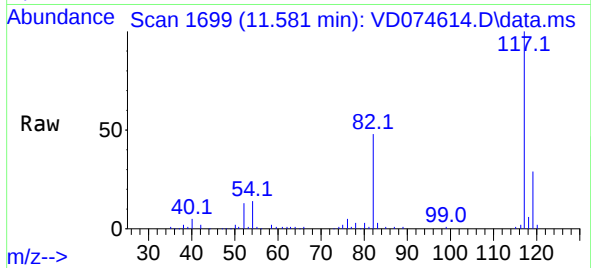




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

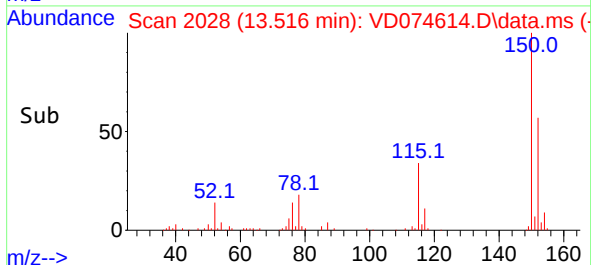
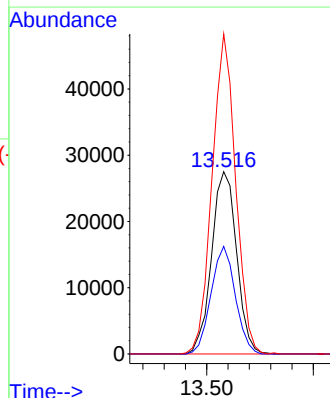
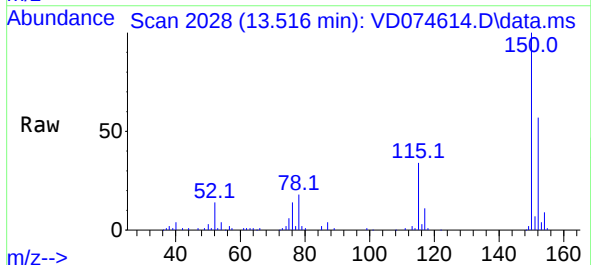
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

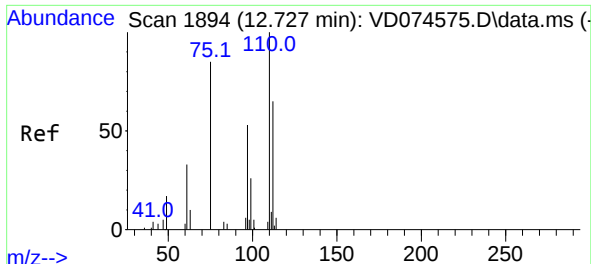
Tgt Ion:117 Resp: 135591
Ion Ratio Lower Upper
117 100
82 47.7 41.6 62.4
119 28.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion:152 Resp: 44918
Ion Ratio Lower Upper
152 100
115 57.1 26.8 80.4
150 165.1 0.0 348.2

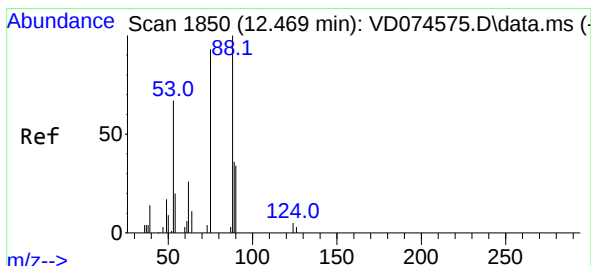
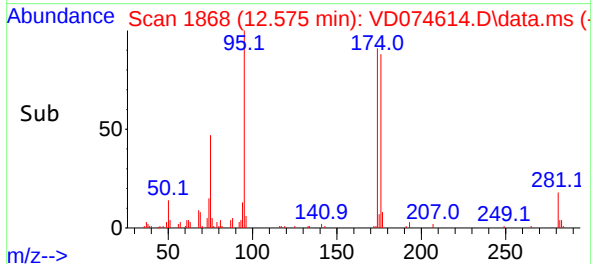
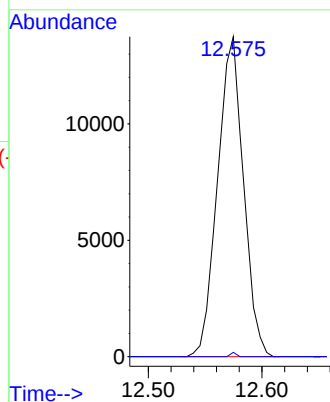
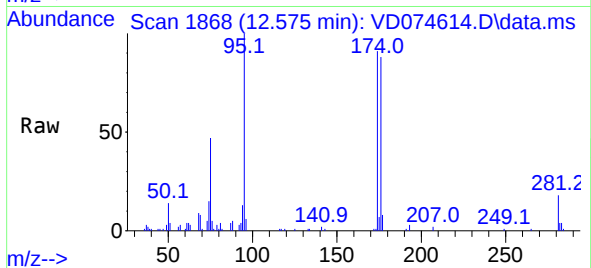




#76
1,2,3-Trichloropropane
Concen: 55.514 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-1

Tgt Ion: 75 Resp: 21773
Ion Ratio Lower Upper
75 100
77 0.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.865 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074614.D
Acq: 21 Oct 2022 14:31

Tgt Ion: 75 Resp: 21773
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

