

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074615.D
 Acq On : 21 Oct 2022 14:58
 Operator : VA/SY
 Sample : N5229-03
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LRH-COMP-2

Quant Time: Oct 21 23:10:58 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)

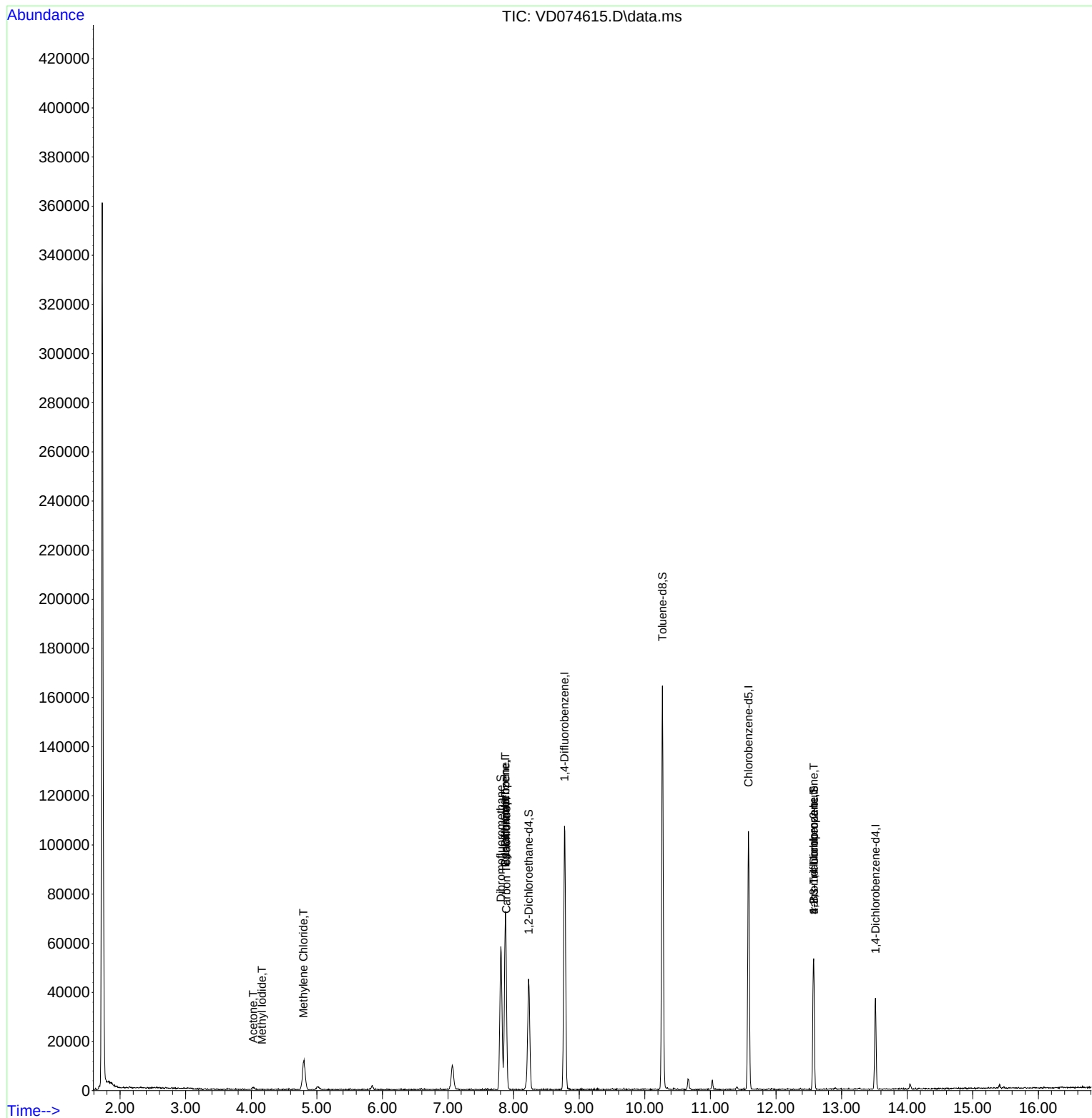
Internal Standards						
1) Pentafluorobenzene	7.875	168	60207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	105665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	65675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	11243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	34226	74.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.920%			
35) Dibromofluoromethane	7.805	113	42018	72.264	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 144.520%			
50) Toluene-d8	10.269	98	115807	54.757	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.575	95	15398	24.313	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 48.620%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	63	4.009	ug/l #	43
11) Tert butyl alcohol	5.011	59	723	Below Cal	#	84
16) Acetone	4.028	43	1346	13.409	ug/l #	68
20) Methylene Chloride	4.793	84	10544	4.483	ug/l	90
31) Cyclohexane	7.875	56	974	1.055	ug/l #	18
36) 1,1-Dichloropropene	7.875	75	4129	4.350	ug/l #	41
38) Carbon Tetrachloride	7.887	117	5297	5.699	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	8043	81.929	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	8043	209.369	ug/l #	17

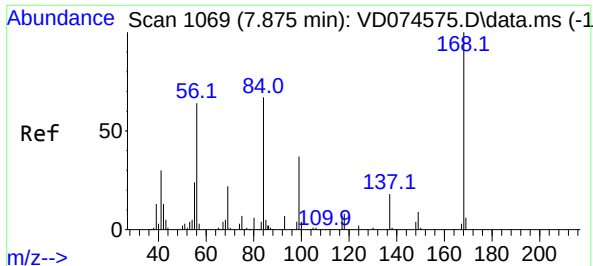
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

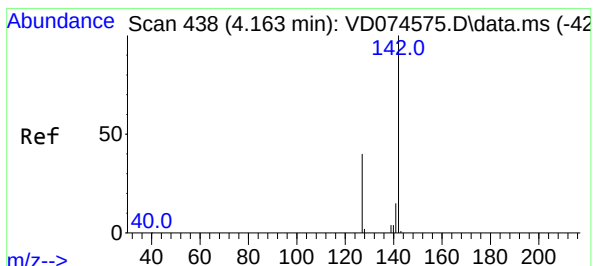
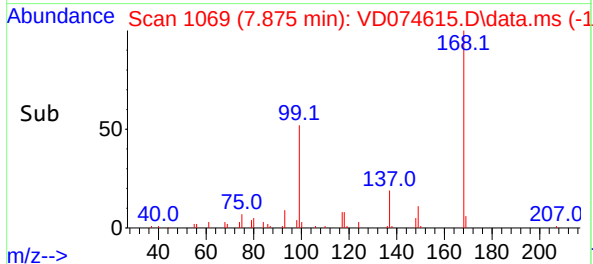
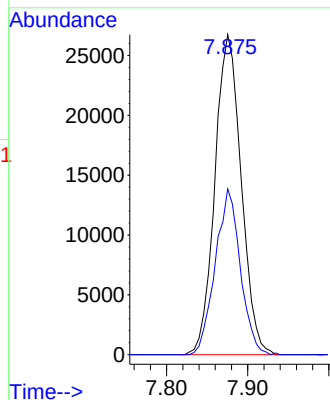
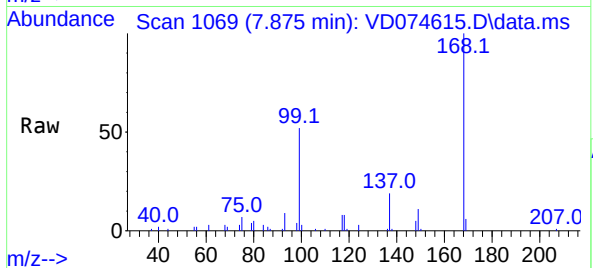




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074615.D
Acq: 21 Oct 2022 14:58

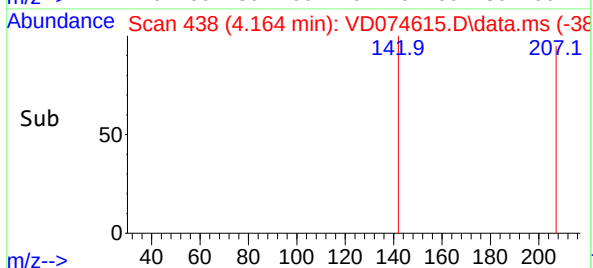
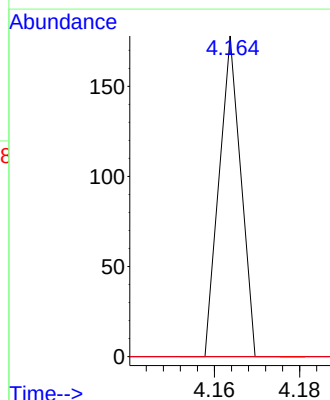
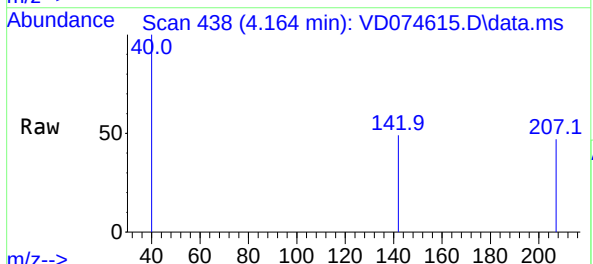
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-2

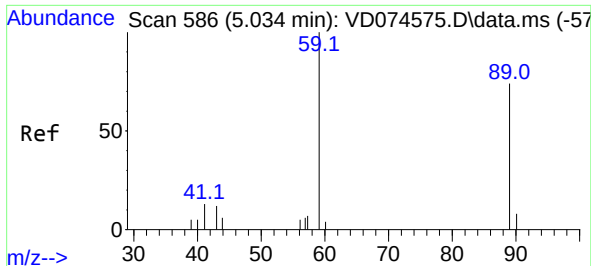
Tgt Ion:168 Resp: 60207
Ion Ratio Lower Upper
168 100
99 51.8 40.9 61.3



#10
Methyl Iodide
Concen: 4.009 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074615.D
Acq: 21 Oct 2022 14:58

Tgt Ion:142 Resp: 63
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: 5.011 min Scan# 51

Delta R.T. -0.041 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

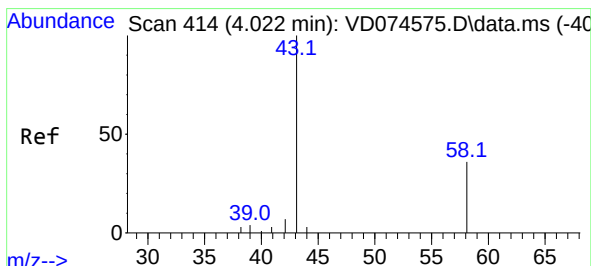
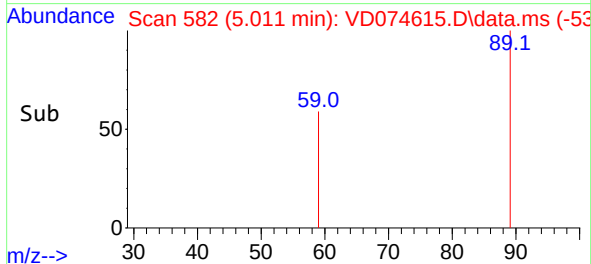
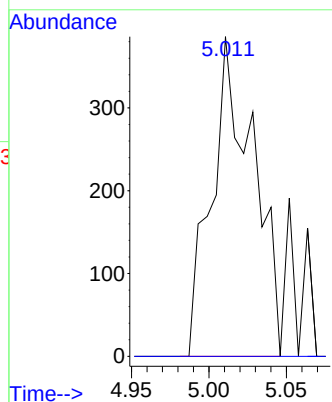
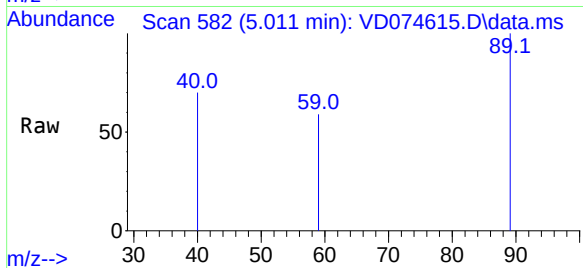
LRH-COMP-2

Tgt Ion: 59 Resp: 723

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 13.409 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD074615.D

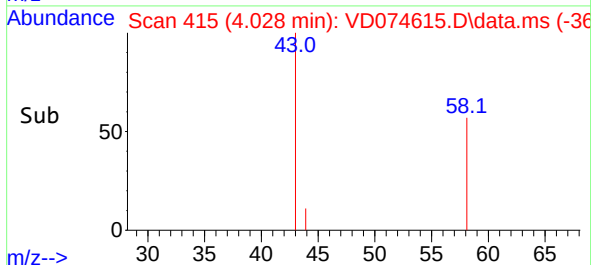
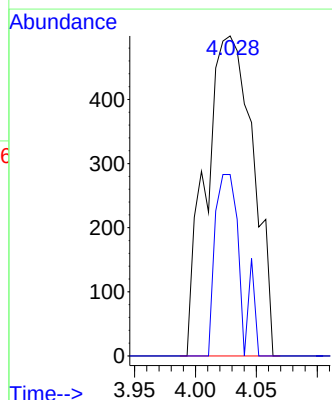
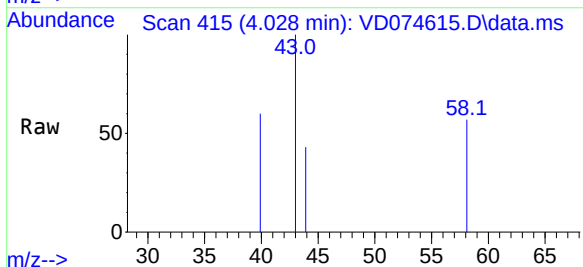
Acq: 21 Oct 2022 14:58

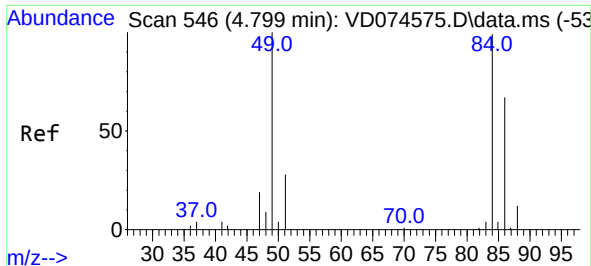
Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

58 56.7 30.2 45.2#





#20

Methylene Chloride

Concen: 4.483 ug/l

RT: 4.793 min Scan# 54

Delta R.T. -0.006 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

LRH-COMP-2

Tgt Ion: 84 Resp: 10544

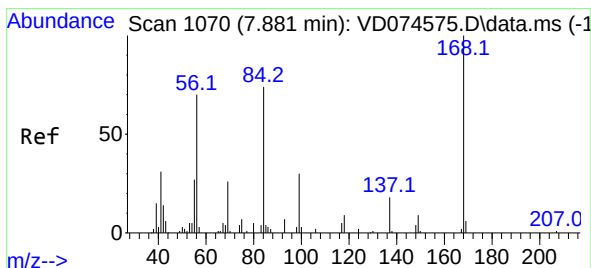
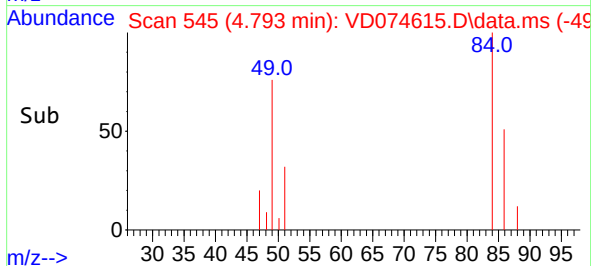
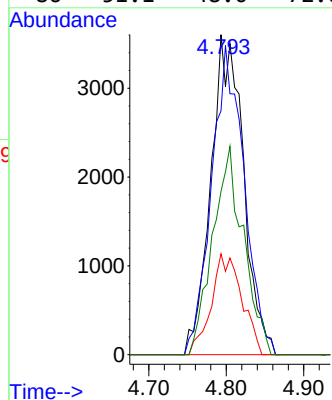
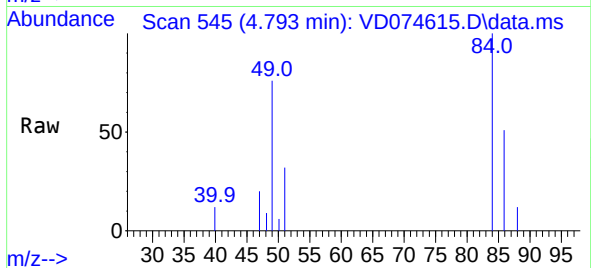
Ion Ratio Lower Upper

84 100

49 76.2 68.0 102.0

51 31.5 23.2 34.8

86 51.1 48.0 72.0



#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

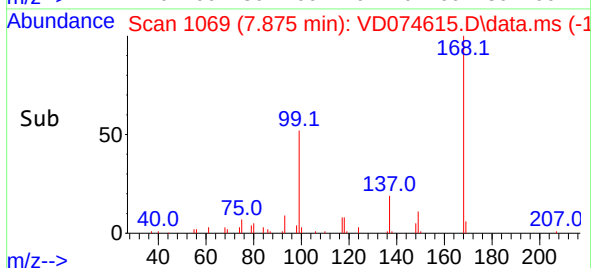
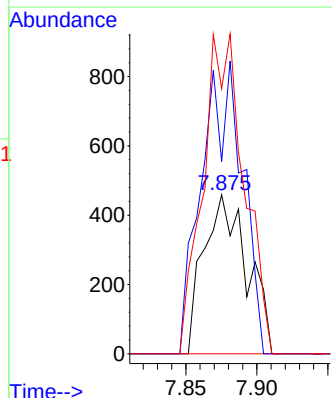
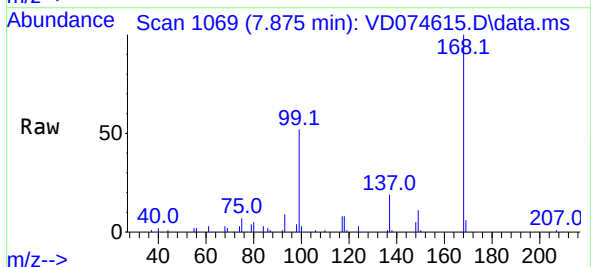
Tgt Ion: 56 Resp: 974

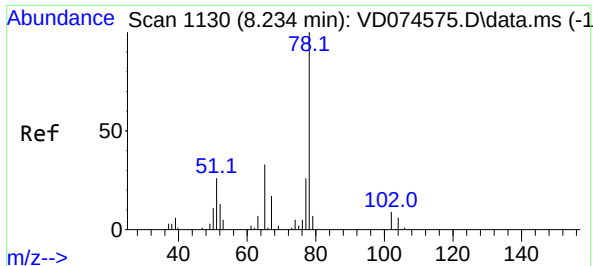
Ion Ratio Lower Upper

56 100

69 120.9 29.2 43.8#

84 166.7 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 74.458 ug/l

RT: 8.228 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

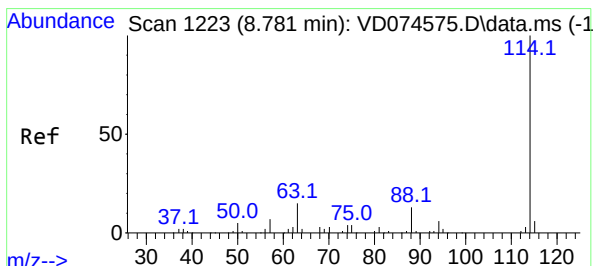
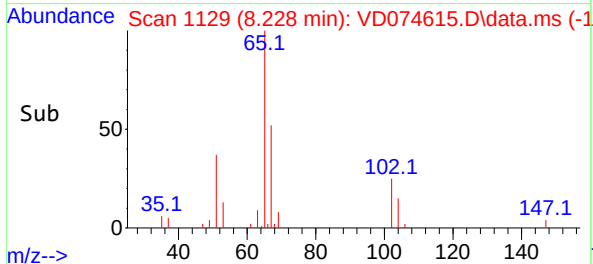
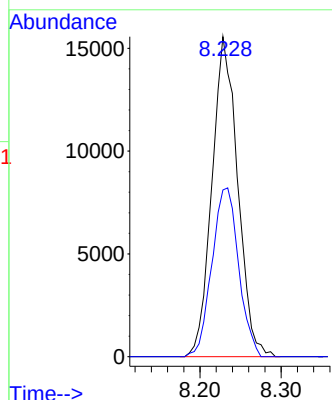
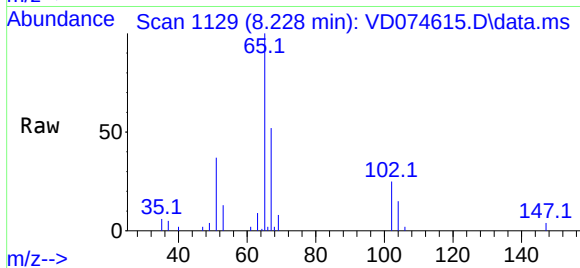
LRH-COMP-2

Tgt Ion: 65 Resp: 34226

Ion Ratio Lower Upper

65 100

67 54.7 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: VD074615.D

Acq: 21 Oct 2022 14:58

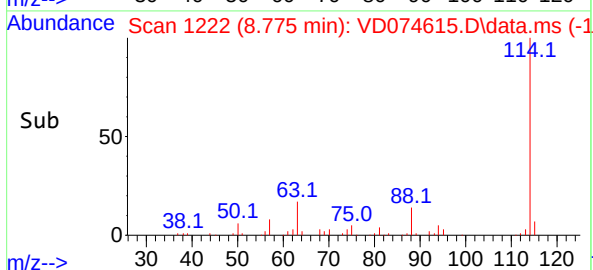
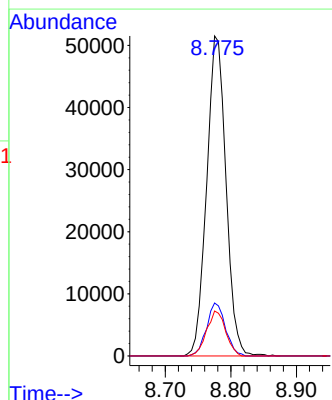
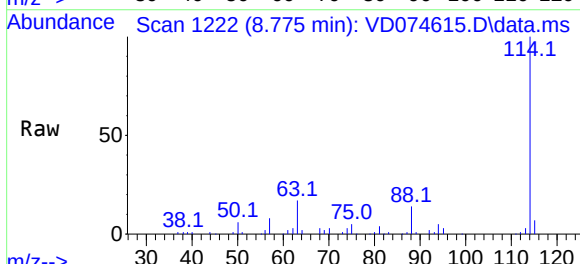
Tgt Ion: 114 Resp: 105665

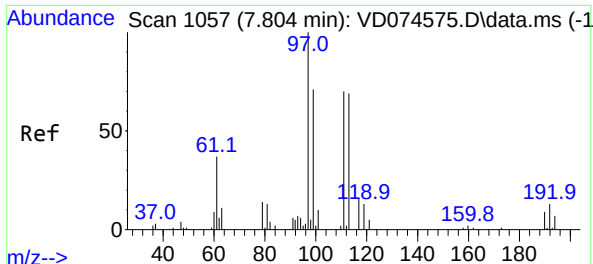
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 14.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 72.264 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. 0.001 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

LRH-COMP-2

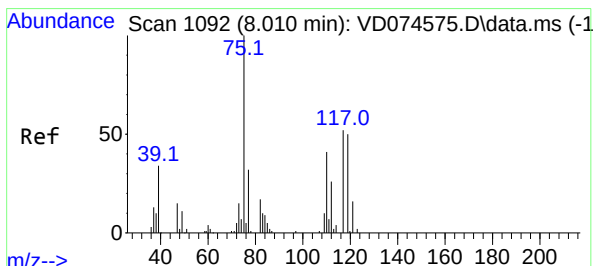
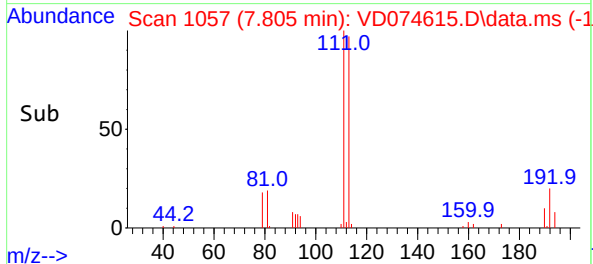
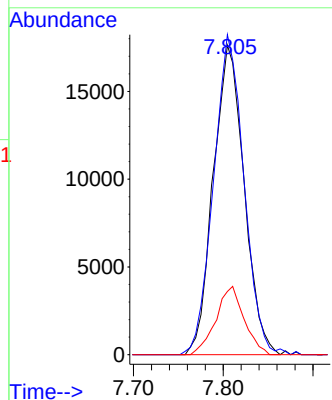
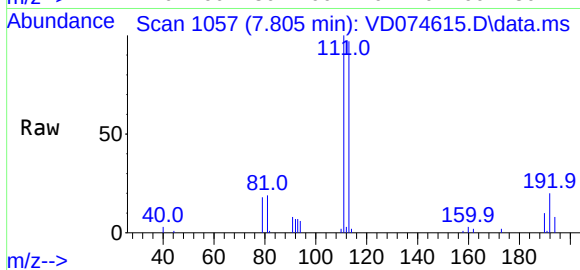
Tgt Ion:113 Resp: 42018

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

192 20.3 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.350 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

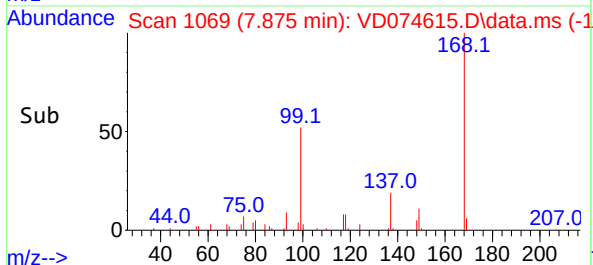
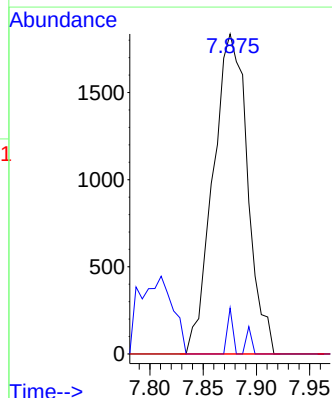
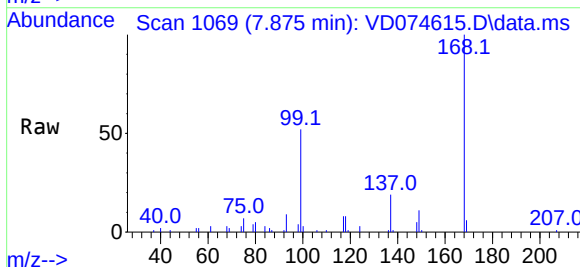
Tgt Ion: 75 Resp: 4129

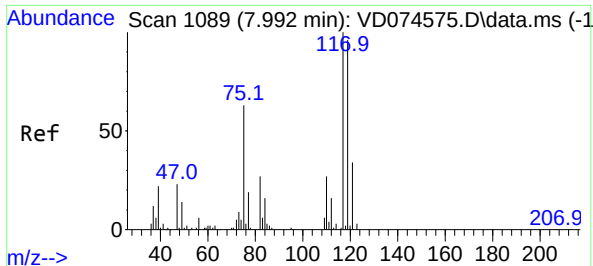
Ion Ratio Lower Upper

75 100

110 2.3 19.7 59.0#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.699 ug/l

RT: 7.887 min Scan# 1089

Delta R.T. -0.100 min

Lab File: VD074615.D

Acq: 21 Oct 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

LRH-COMP-2

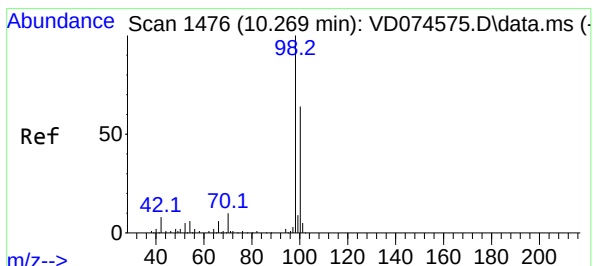
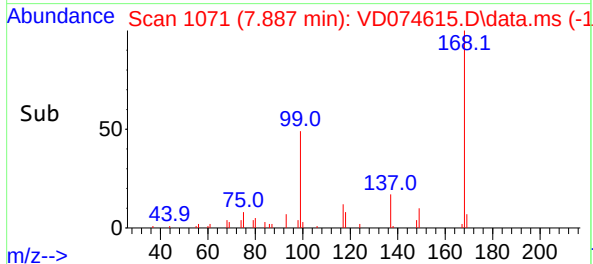
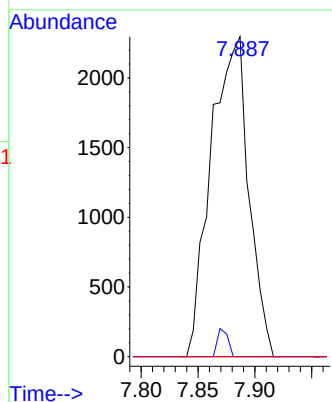
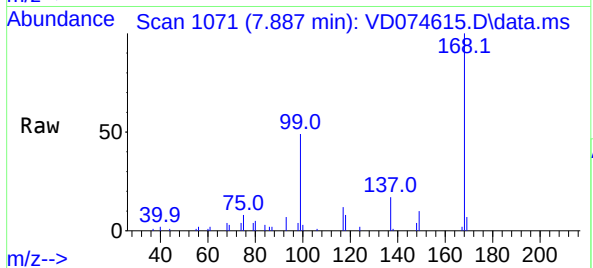
Tgt Ion:117 Resp: 5297

Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 54.757 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074615.D

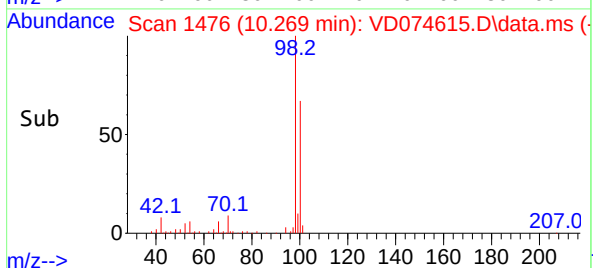
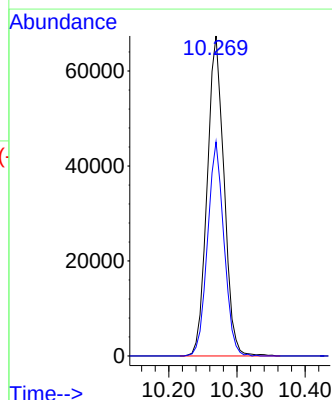
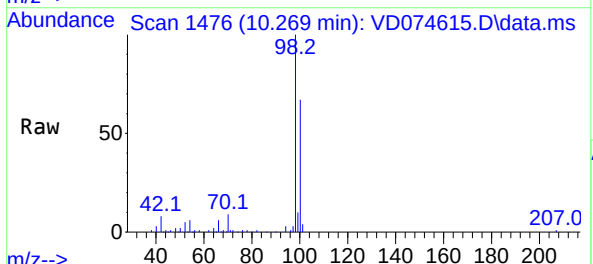
Acq: 21 Oct 2022 14:58

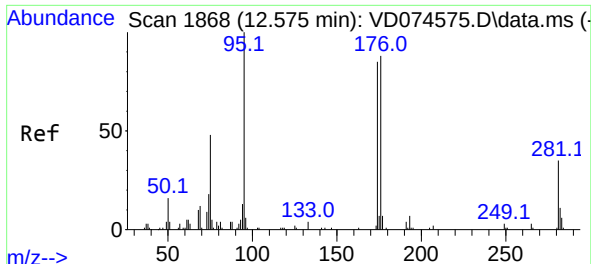
Tgt Ion: 98 Resp: 115807

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

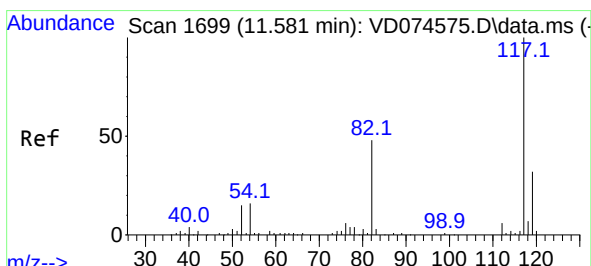
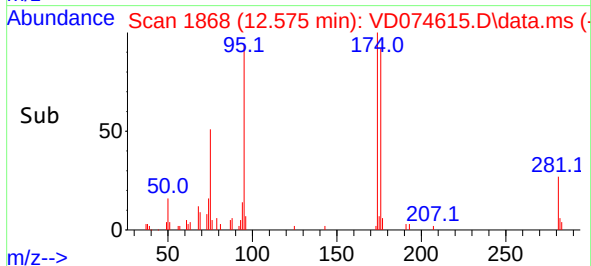
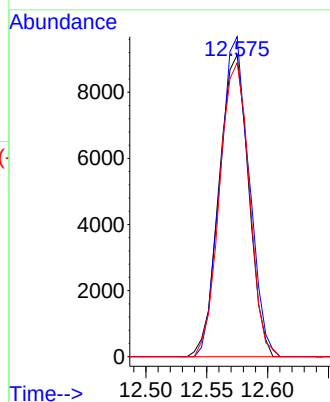
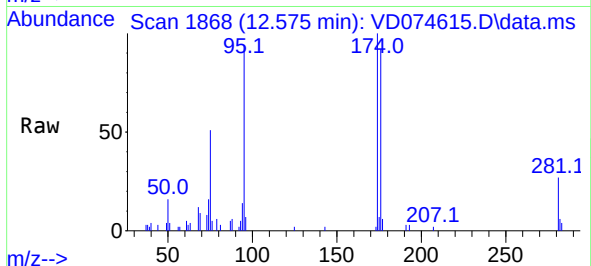




#62
4-Bromofluorobenzene
Concen: 24.313 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074615.D
Acq: 21 Oct 2022 14:58

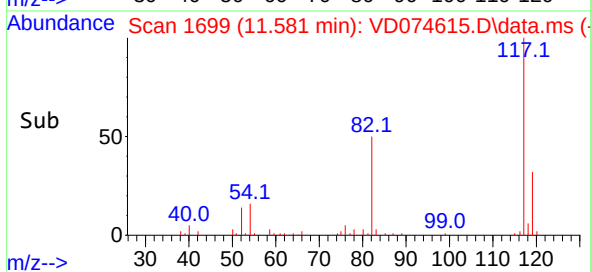
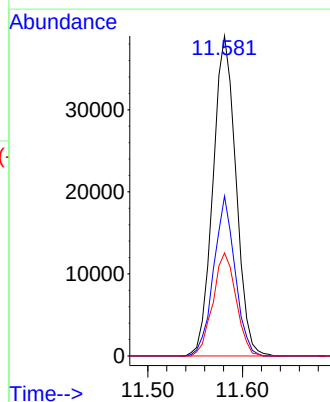
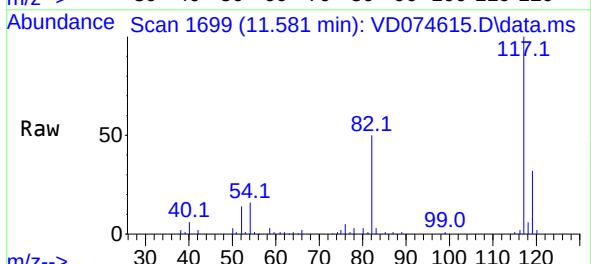
Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-2

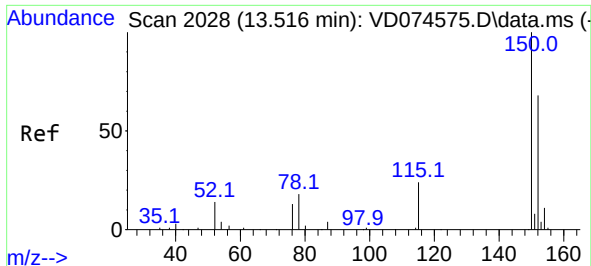
Tgt Ion:	95	Resp:	15398
Ion	Ratio	Lower	Upper
95	100		
174	104.2	0.0	197.0
176	97.9	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074615.D
Acq: 21 Oct 2022 14:58

Tgt Ion:	117	Resp:	65675
Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.6	62.4
119	32.2	25.2	37.8

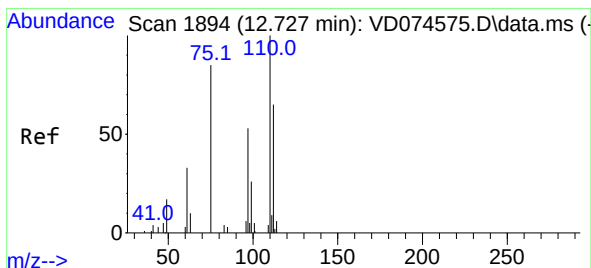
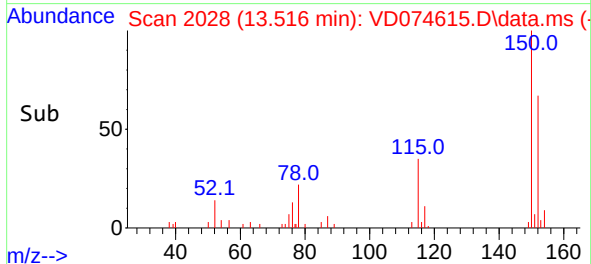
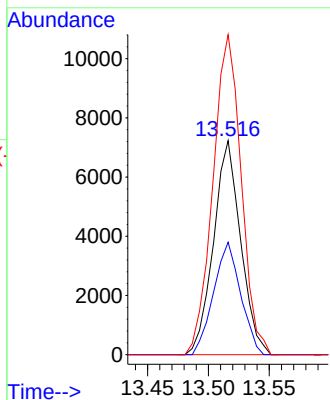
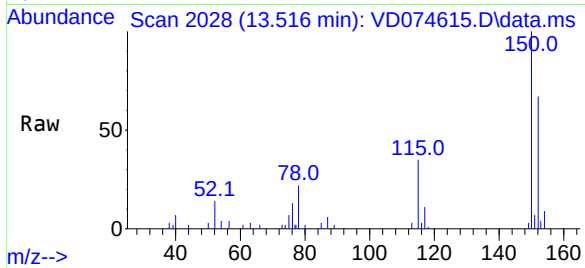




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD074615.D
 Acq: 21 Oct 2022 14:58

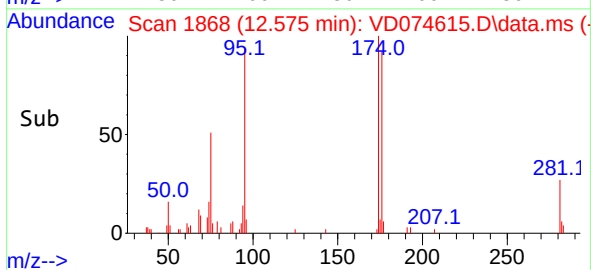
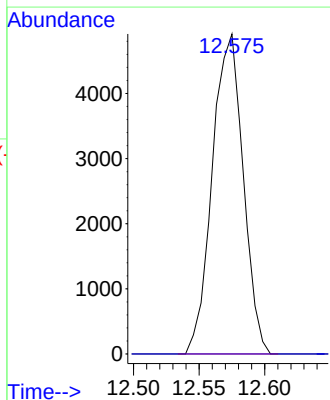
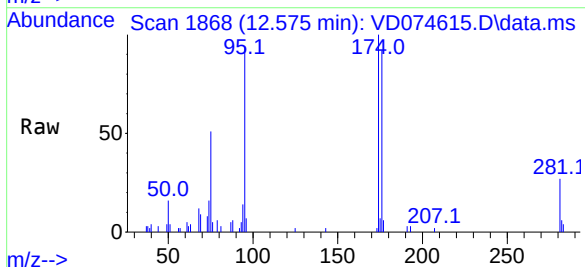
Instrument :
 MSVOA_D
 ClientSampleId :
 LRH-COMP-2

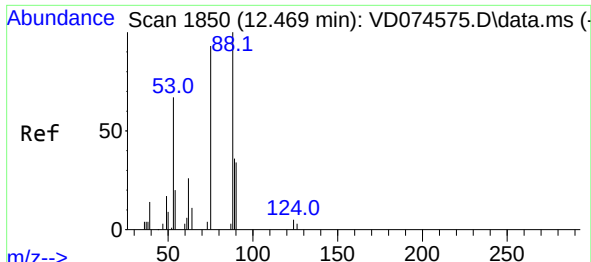
Tgt Ion:152 Resp: 11243
 Ion Ratio Lower Upper
 152 100
 115 52.2 26.8 80.4
 150 155.4 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 81.929 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.141 min
 Lab File: VD074615.D
 Acq: 21 Oct 2022 14:58

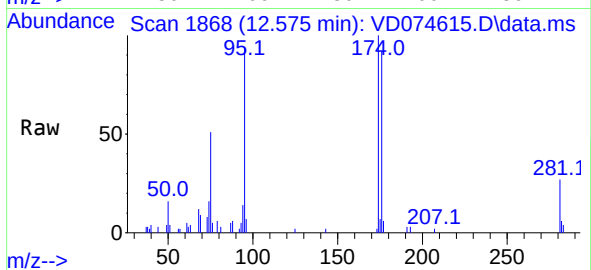
Tgt Ion: 75 Resp: 8043
 Ion Ratio Lower Upper
 75 100
 77 0.0 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 209.369 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074615.D
Acq: 21 Oct 2022 14:58

Instrument :
MSVOA_D
ClientSampleId :
LRH-COMP-2



Tgt Ion: 75 Resp: 8043
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

