

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074831.D
 Acq On : 09 Nov 2022 16:38
 Operator : VA/SY
 Sample : N5520-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R20-3

Quant Time: Nov 10 00:36:50 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)

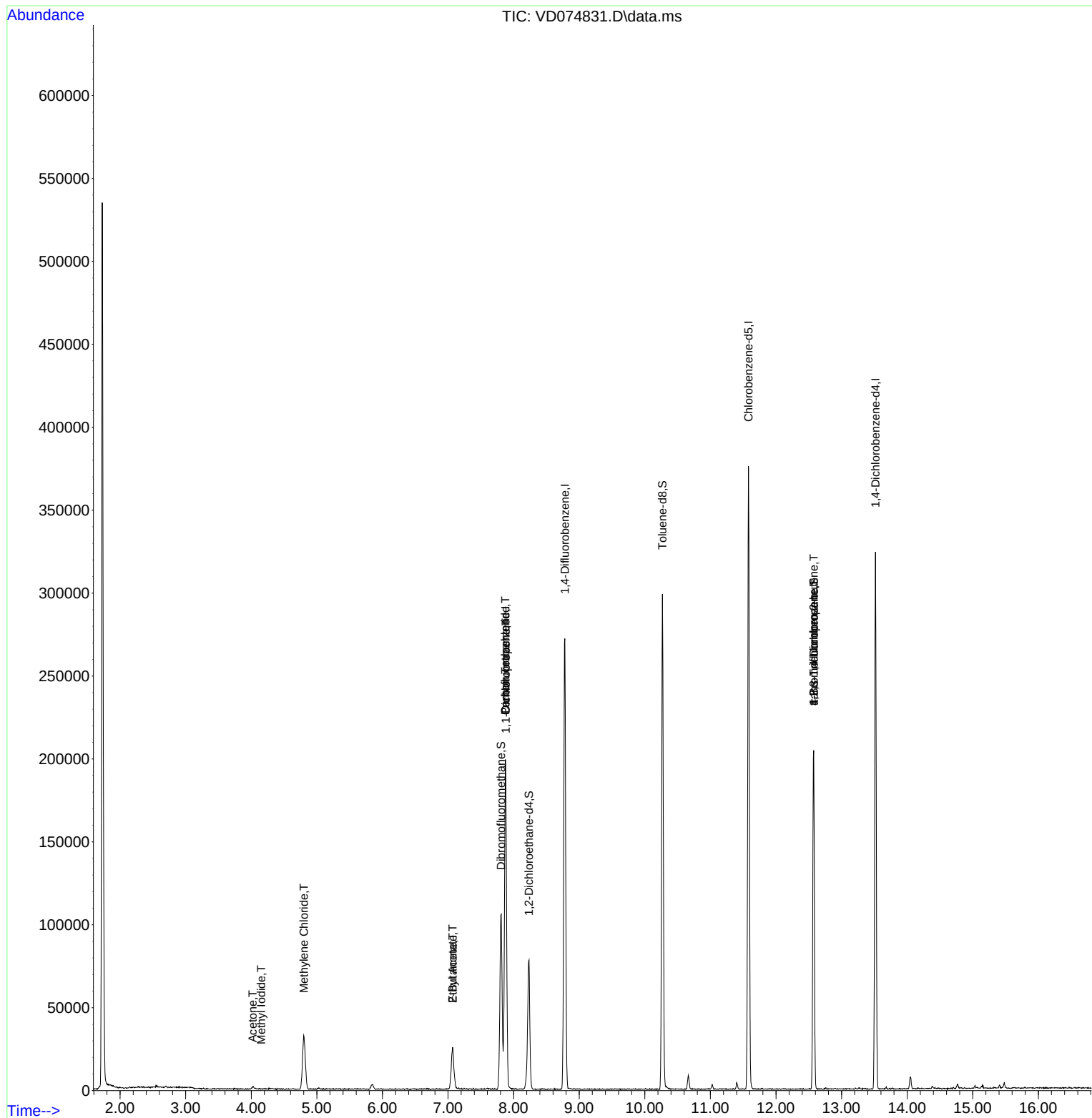
Internal Standards						
1) Pentafluorobenzene	7.875	168	161339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	264731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	235240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59181	46.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.620%
35) Dibromofluoromethane	7.811	113	80549	51.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.880%
50) Toluene-d8	10.269	98	214334	37.522	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	75.040%
62) 4-Bromofluorobenzene	12.575	95	64160	38.901	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.800%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.152	142	64	5.582	ug/l #	43
11) Tert butyl alcohol	5.058	59	60	Below Cal	#	84
16) Acetone	4.022	43	2482	9.308	ug/l	96
20) Methylene Chloride	4.805	84	27523	1.260	ug/l	93
25) 2-Butanone	7.069	43	1171	3.194	ug/l #	42
36) 1,1-Dichloropropene	7.881	75	11477	4.828	ug/l #	45
37) Ethyl Acetate	7.069	43	1171	1.477	ug/l #	1
38) Carbon Tetrachloride	7.875	117	15068	6.691	ug/l #	19
76) 1,2,3-Trichloropropane	12.575	75	31849	44.933	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	31849	106.660	ug/l #	17

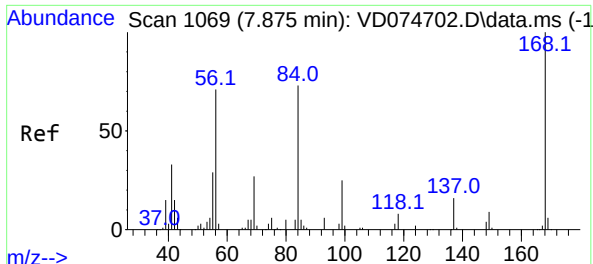
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

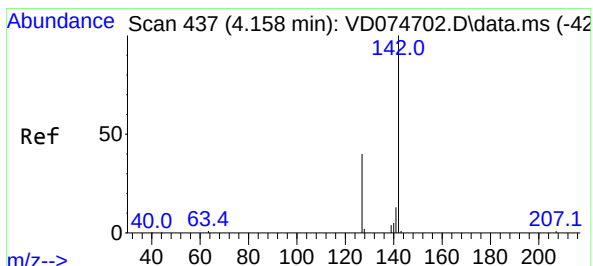
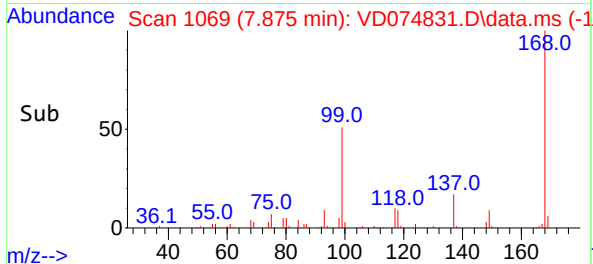
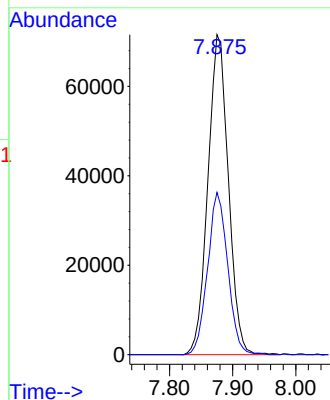
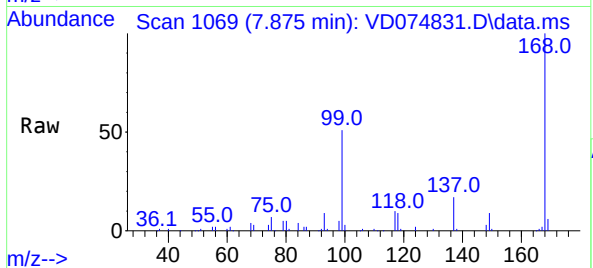




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

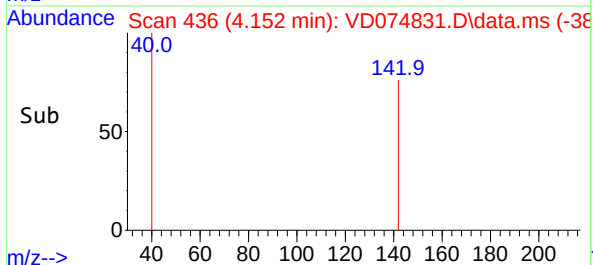
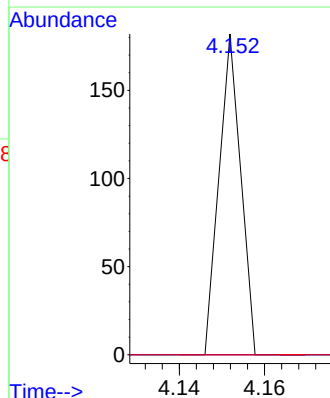
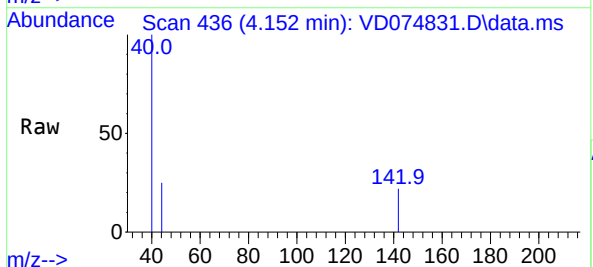
Instrument :
MSVOA_D
ClientSampleId :
R20-3

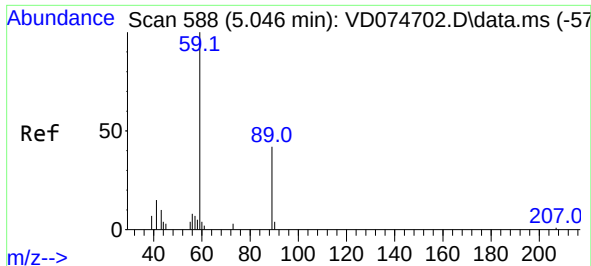
Tgt Ion:168 Resp: 161339
Ion Ratio Lower Upper
168 100
99 50.7 40.9 61.3



#10
Methyl Iodide
Concen: 5.582 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Tgt Ion:142 Resp: 64
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: 5.058 min Scan# 51

Delta R.T. 0.012 min

Lab File: VD074831.D

Acq: 09 Nov 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :

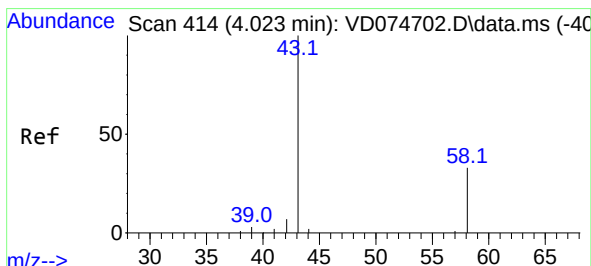
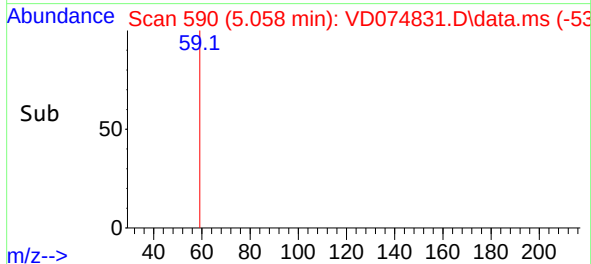
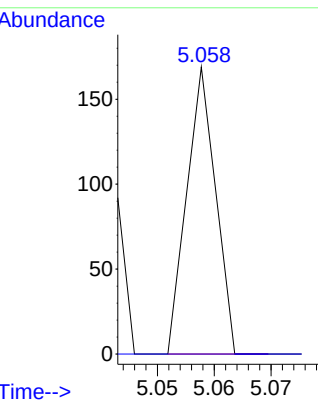
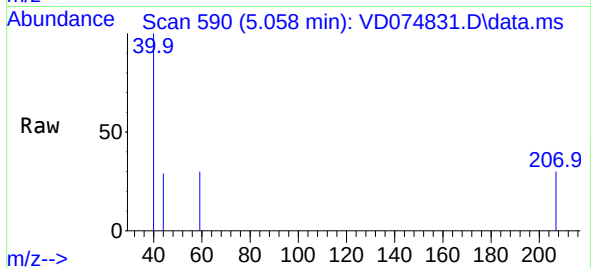
R20-3

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 9.308 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.001 min

Lab File: VD074831.D

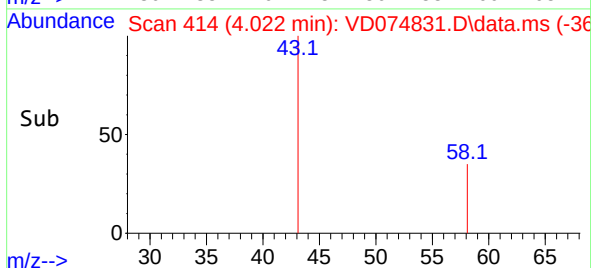
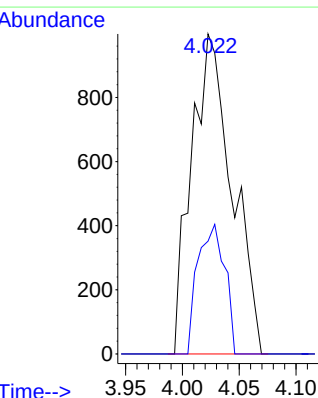
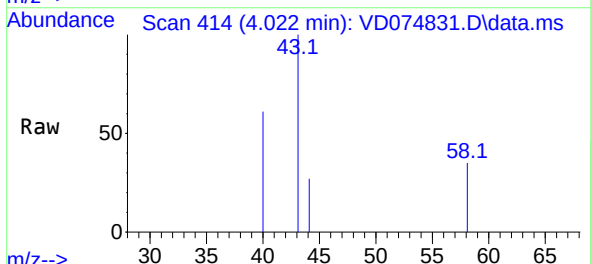
Acq: 09 Nov 2022 16:38

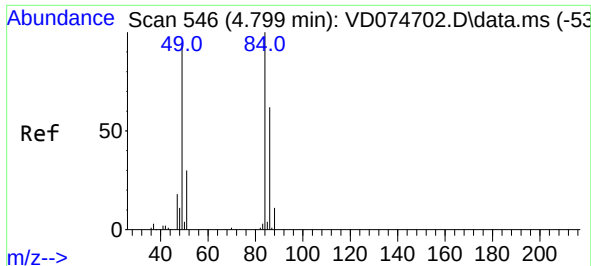
Tgt Ion: 43 Resp: 2482

Ion Ratio Lower Upper

43 100

58 35.3 30.2 45.2



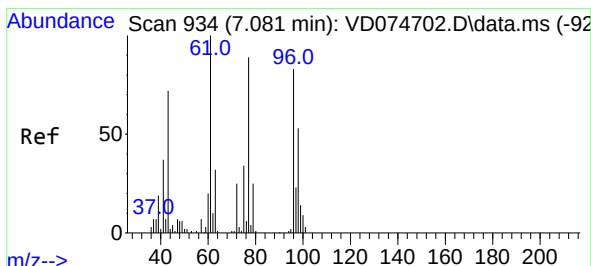
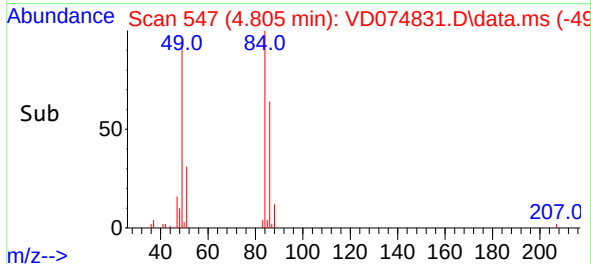
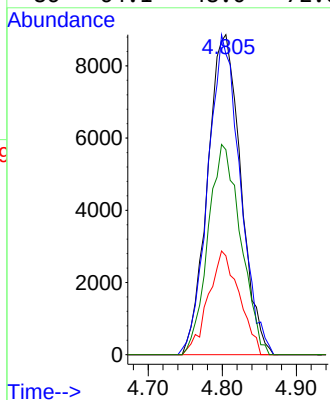
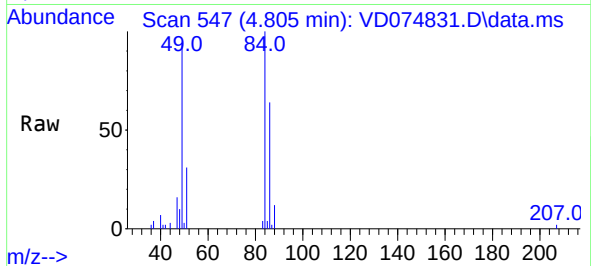


#20
Methylene Chloride
Concen: 1.260 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :
R20-3

Tgt Ion: 84 Resp: 27523

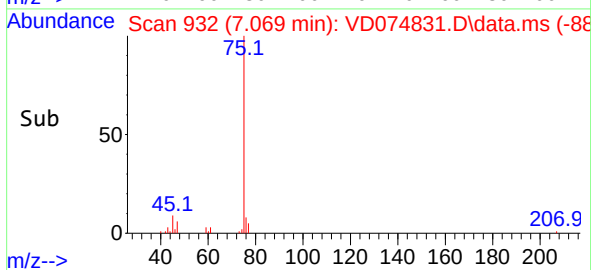
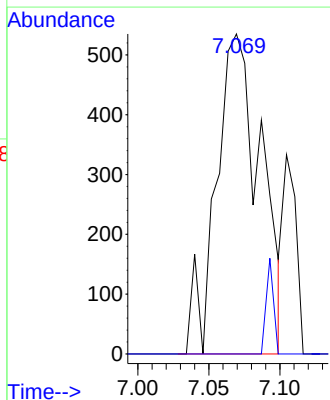
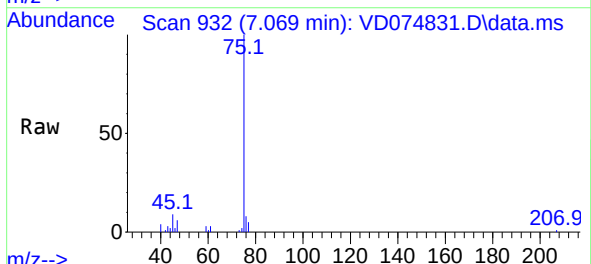
Ion	Ratio	Lower	Upper
84	100		
49	94.0	68.0	102.0
51	30.9	23.2	34.8
86	64.1	48.0	72.0

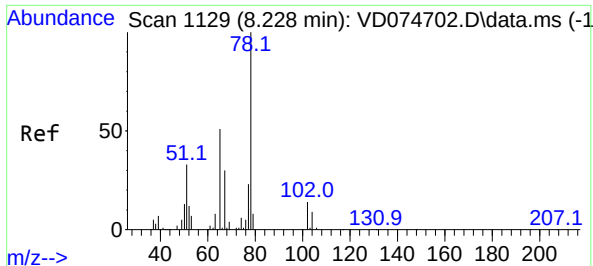


#25
2-Butanone
Concen: 3.194 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Tgt Ion: 43 Resp: 1171

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8





#33

1,2-Dichloroethane-d4

Concen: 46.313 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074831.D

Acq: 09 Nov 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :

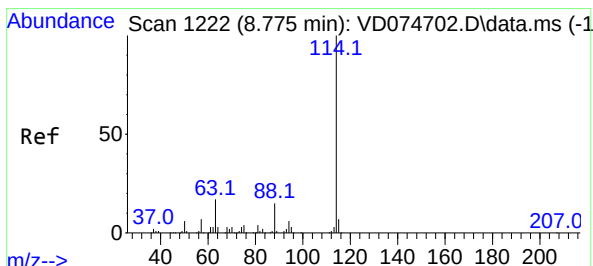
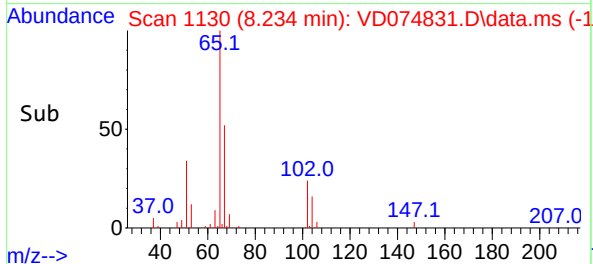
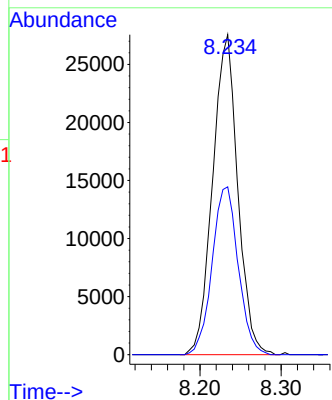
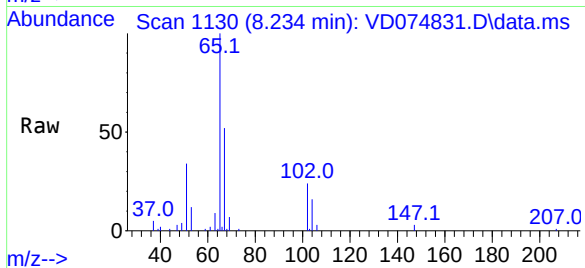
R20-3

Tgt Ion: 65 Resp: 59181

Ion Ratio Lower Upper

65 100

67 54.4 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: VD074831.D

Acq: 09 Nov 2022 16:38

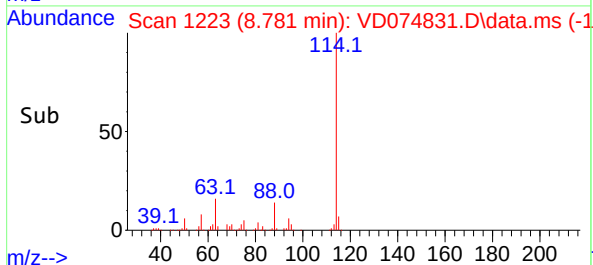
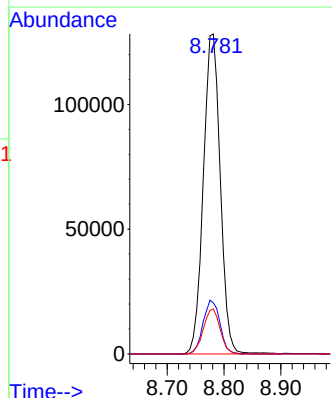
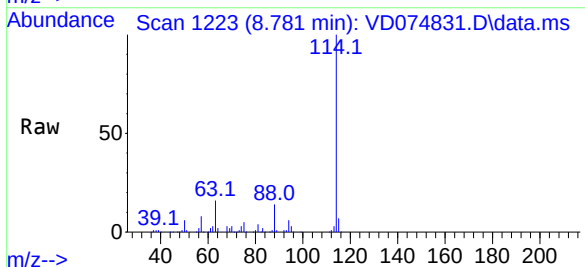
Tgt Ion: 114 Resp: 264731

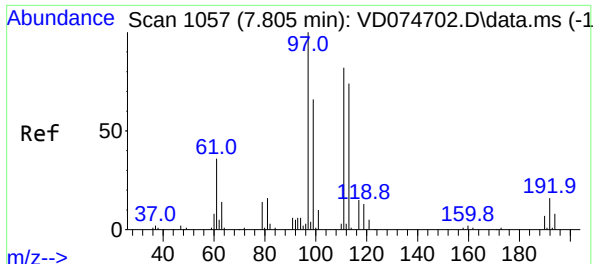
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 14.0 0.0 28.2

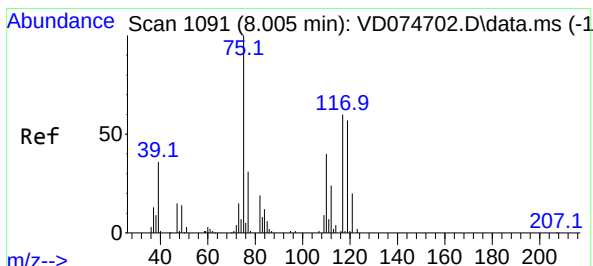
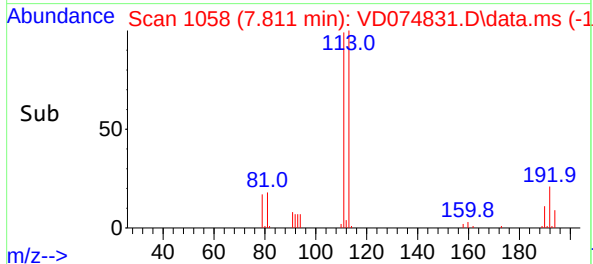
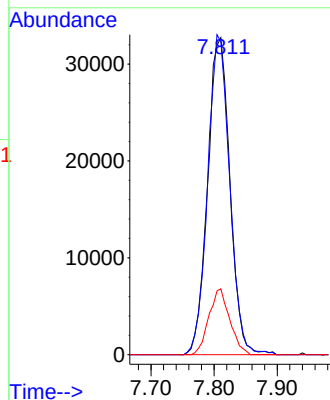
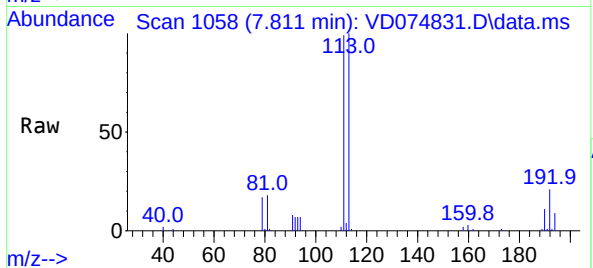




#35
Dibromofluoromethane
Concen: 51.436 ug/l
RT: 7.811 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

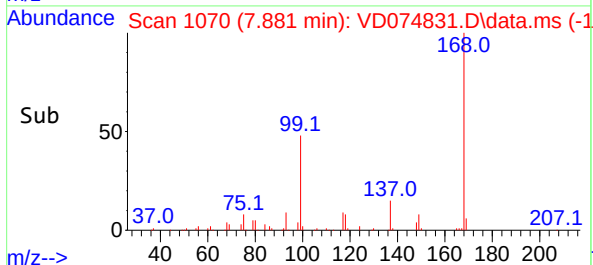
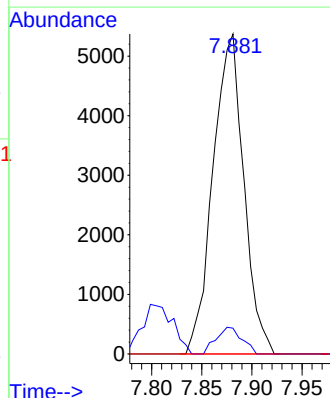
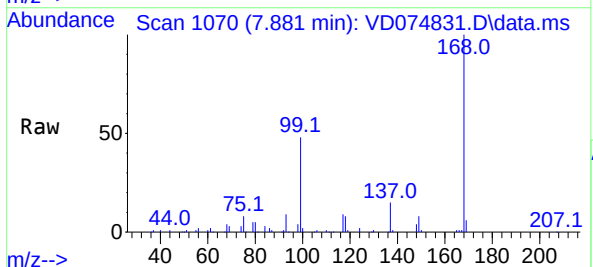
Instrument :
MSVOA_D
ClientSampleId :
R20-3

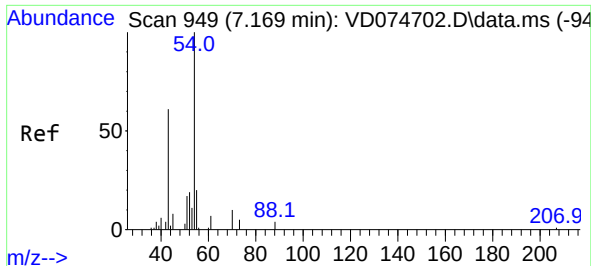
Tgt Ion:113 Resp: 80549
Ion Ratio Lower Upper
113 100
111 99.3 82.3 123.5
192 19.4 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Tgt Ion: 75 Resp: 11477
Ion Ratio Lower Upper
75 100
110 7.0 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.477 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD074831.D

Acq: 09 Nov 2022 16:38

Instrument :

MSVOA_D

ClientSampleId :

R20-3

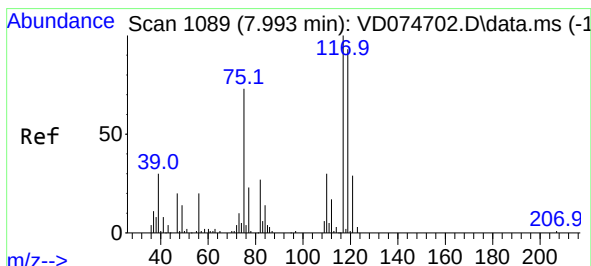
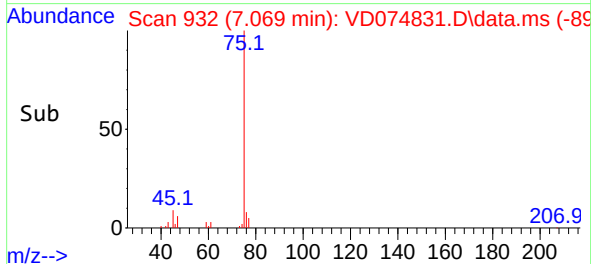
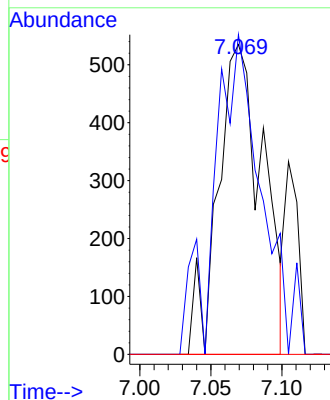
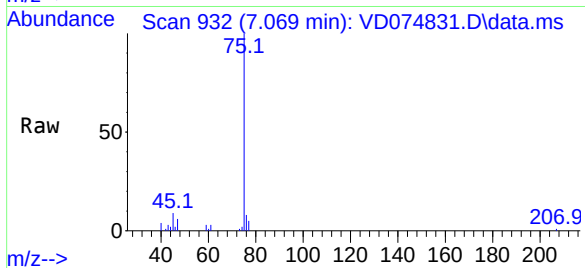
Tgt Ion: 43 Resp: 1171

Ion Ratio Lower Upper

43 100

61 110.2 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.691 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074831.D

Acq: 09 Nov 2022 16:38

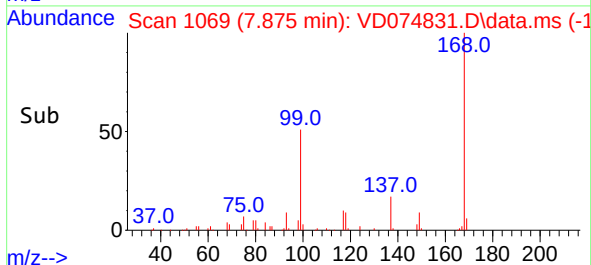
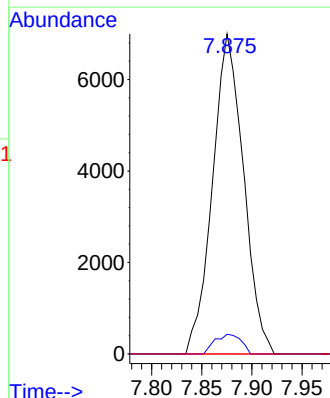
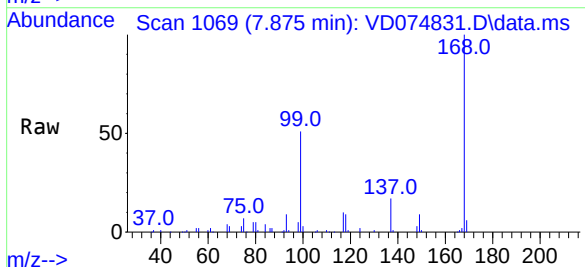
Tgt Ion: 117 Resp: 15068

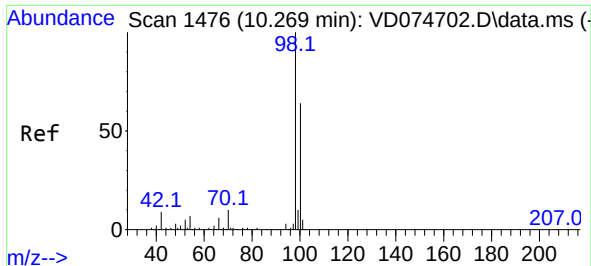
Ion Ratio Lower Upper

117 100

119 6.2 73.1 109.7#

121 0.0 25.0 37.6#

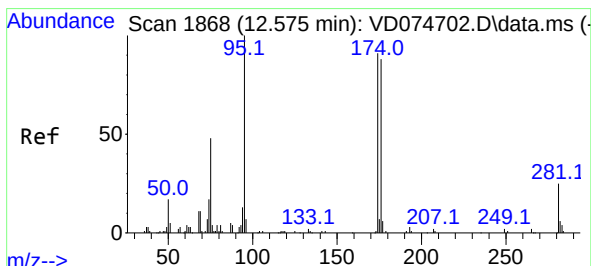
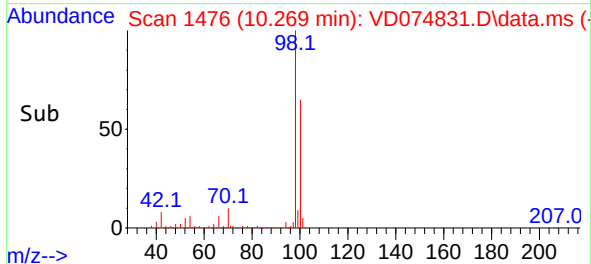
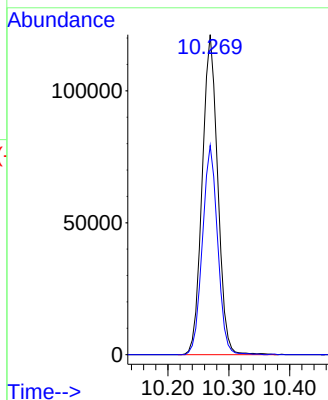
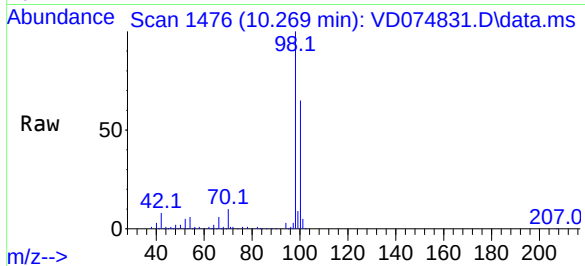




#50
Toluene-d8
Concen: 37.522 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

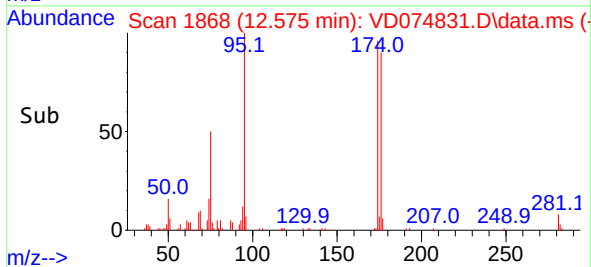
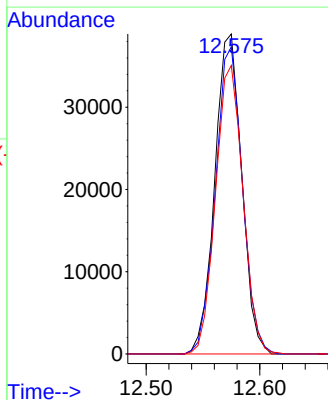
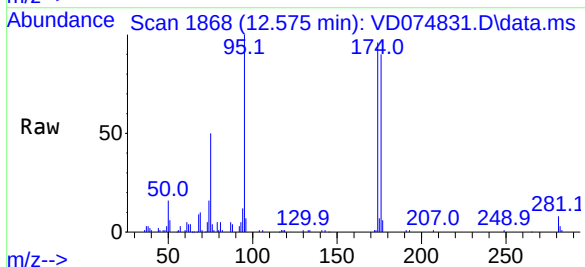
Instrument :
MSVOA_D
ClientSampleId :
R20-3

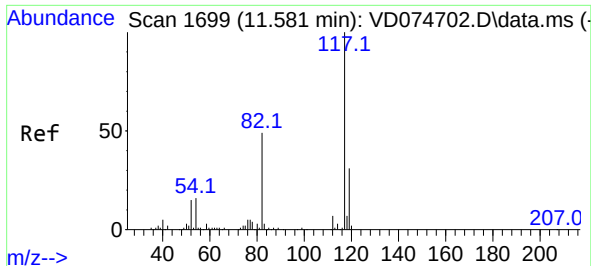
Tgt Ion: 98 Resp: 214334
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 38.901 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

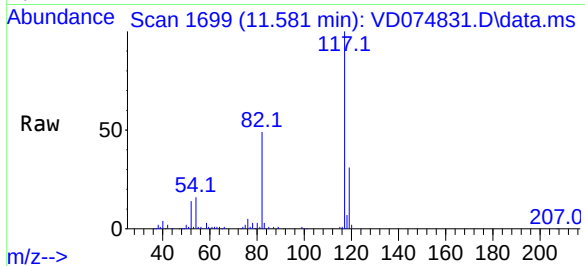
Tgt Ion: 95 Resp: 64160
Ion Ratio Lower Upper
95 100
174 96.1 0.0 197.0
176 91.5 0.0 182.6



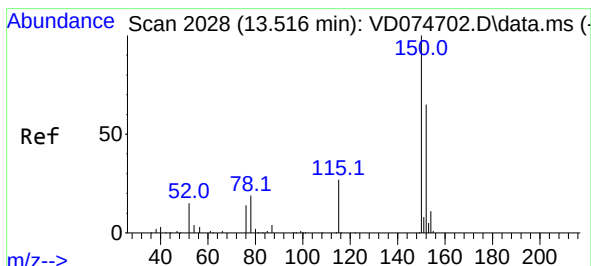
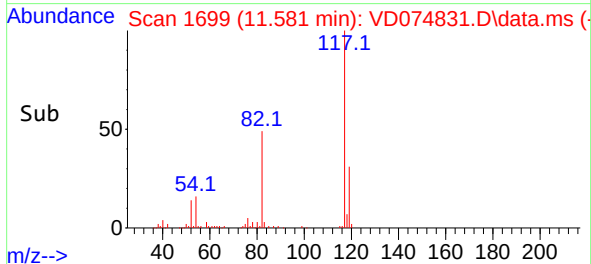
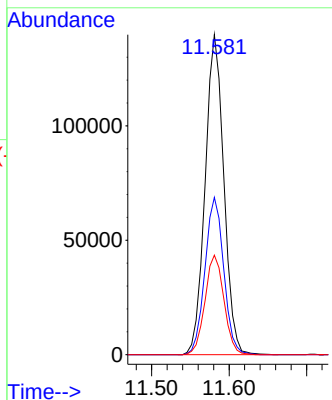


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :
R20-3

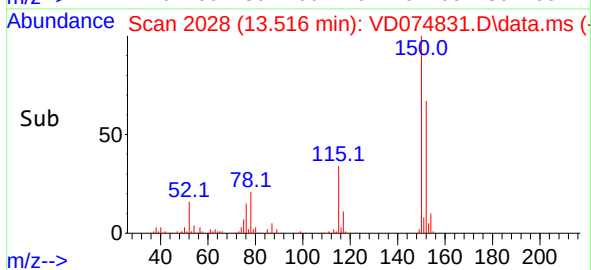
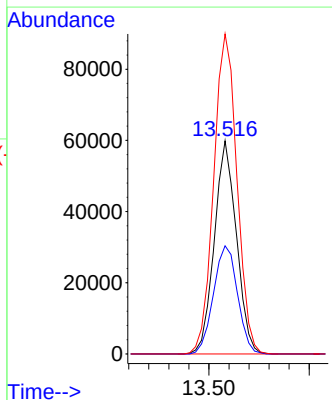
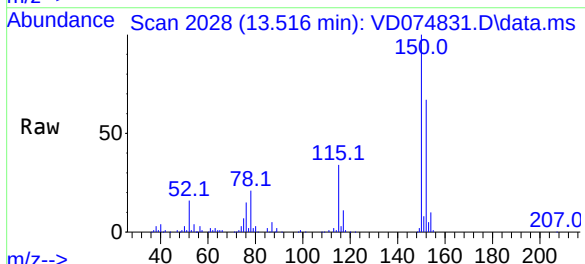


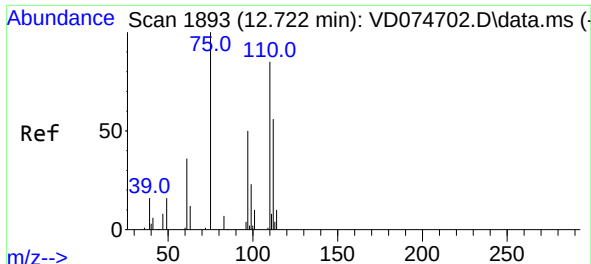
Tgt Ion:117 Resp: 235240
Ion Ratio Lower Upper
117 100
82 49.1 41.6 62.4
119 31.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Tgt Ion:152 Resp: 91435
Ion Ratio Lower Upper
152 100
115 55.2 26.8 80.4
150 158.0 0.0 348.2

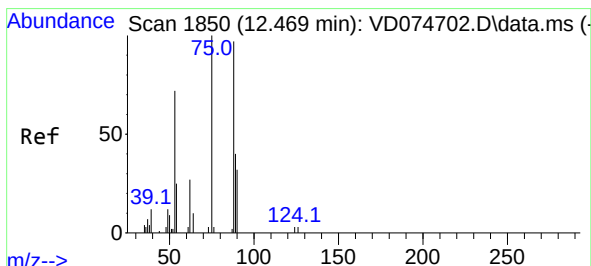
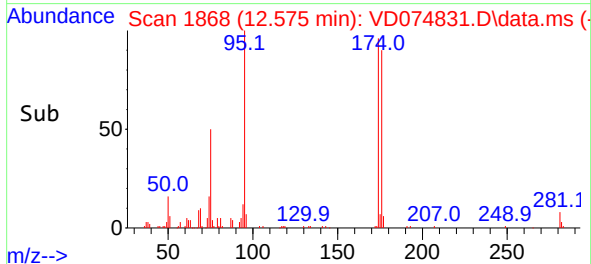
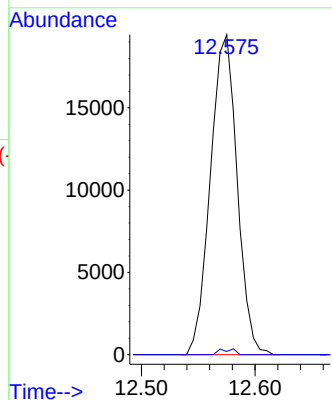
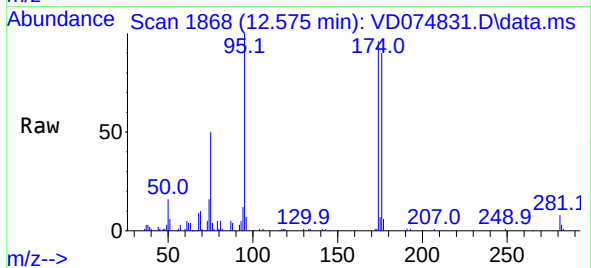




#76
1,2,3-Trichloropropane
Concen: 44.933 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Instrument :
MSVOA_D
ClientSampleId :
R20-3

Tgt Ion: 75 Resp: 31849
Ion Ratio Lower Upper
75 100
77 1.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.660 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074831.D
Acq: 09 Nov 2022 16:38

Tgt Ion: 75 Resp: 31849
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

