

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
 Data File : VD074071.D
 Acq On : 12 Aug 2022 19:14
 Operator : VA/SY
 Sample : N4140-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 23:48:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

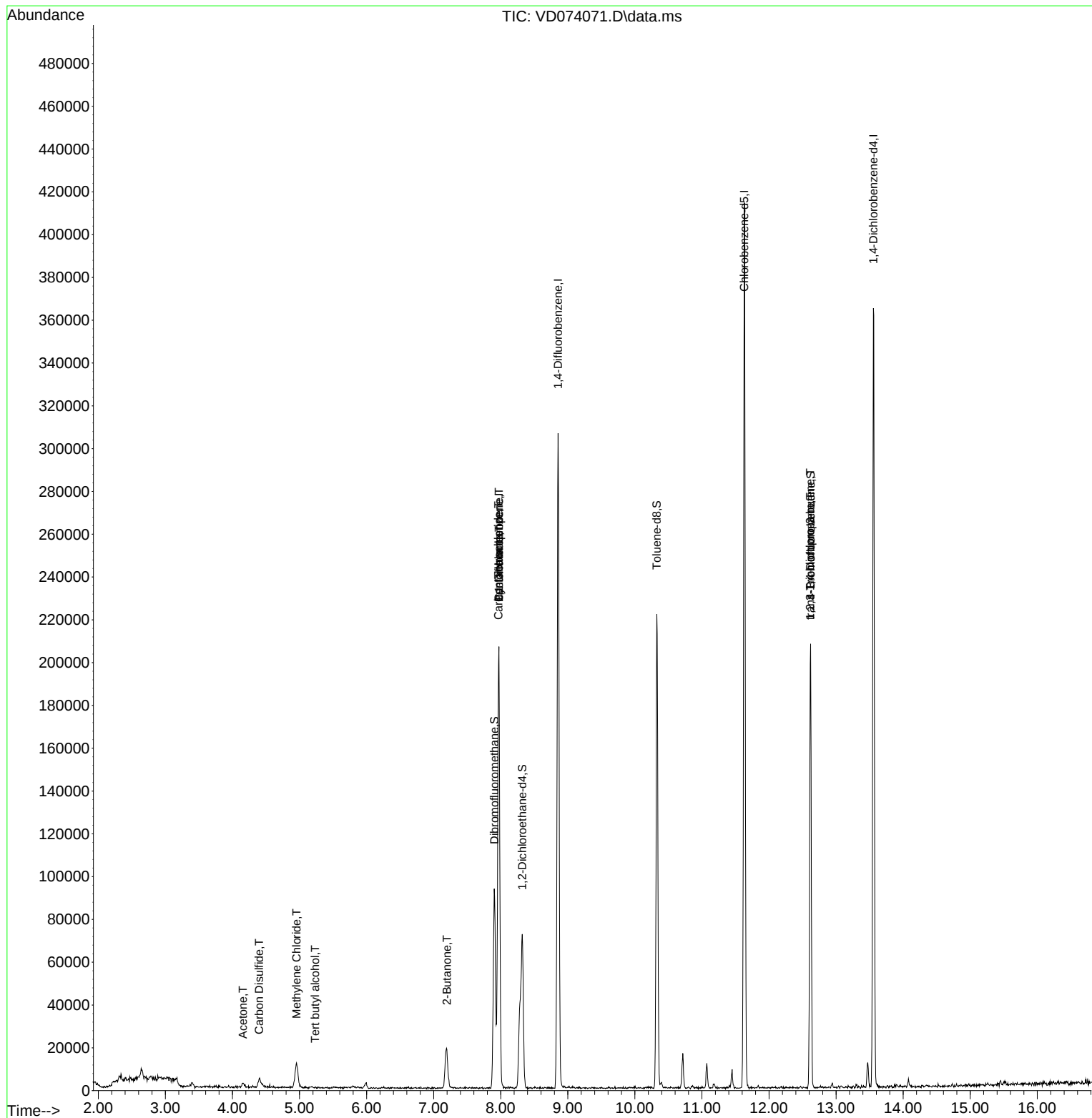
Internal Standards						
1) Pentafluorobenzene	7.973	168	143494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	260927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	226836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	95297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	51899	45.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.280%
35) Dibromofluoromethane	7.903	113	65461	37.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.540%
50) Toluene-d8	10.326	98	149496	30.799	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	61.600%
62) 4-Bromofluorobenzene	12.620	95	63859	29.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	59.920%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	565	Below Cal	#	43
3) Chloromethane	2.209	50	499	Below Cal	#	40
11) Tert butyl alcohol	5.232	59	104	8.753	ug/l #	74
16) Acetone	4.156	43	3254	14.172	ug/l	98
17) Carbon Disulfide	4.397	76	8499	1.827	ug/l	97
18) Methyl Acetate	4.920	43	59	Below Cal	#	49
20) Methylene Chloride	4.956	84	9258	3.260	ug/l #	90
25) 2-Butanone	7.197	43	1494	4.161	ug/l #	46
31) Cyclohexane	7.973	56	3461	1.374	ug/l #	33
36) 1,1-Dichloropropene	7.973	75	12554	4.760	ug/l #	50
38) Carbon Tetrachloride	7.967	117	16224	5.457	ug/l #	15
76) 1,2,3-Trichloropropane	12.614	75	34416	39.555	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	34416	105.572	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.349	75	62	Below Cal	#	1

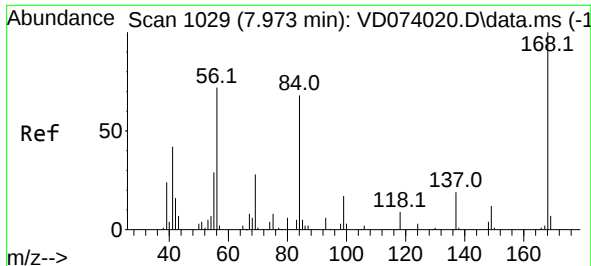
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD074071.D
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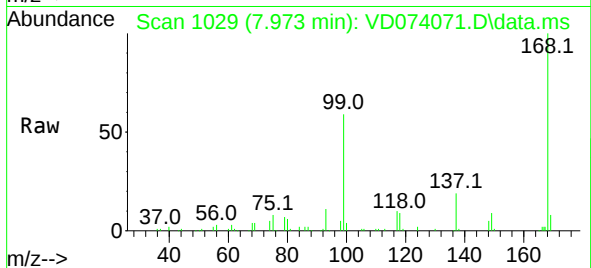
Quant Time: Aug 12 23:48:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 14:55:58 2022
Response via : Initial Calibration



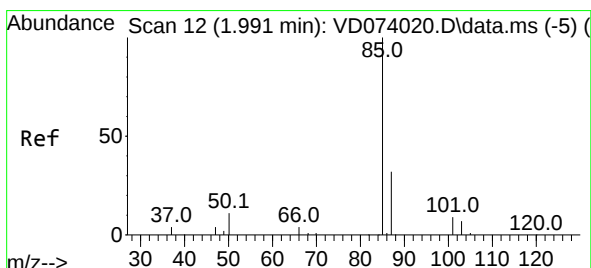
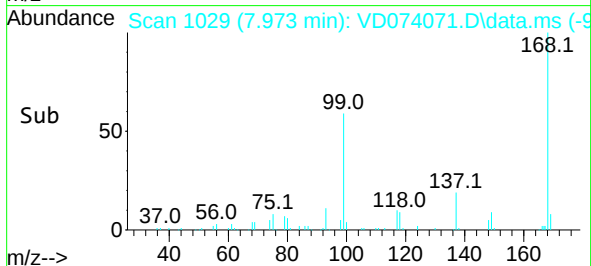
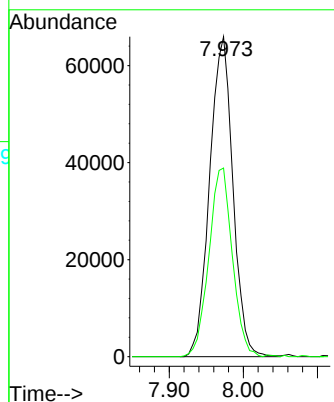


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Instrument :
MSVOA_D
ClientSampleId :

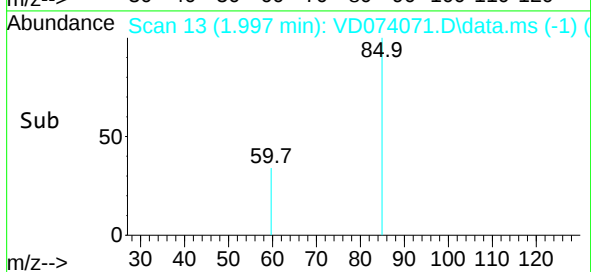
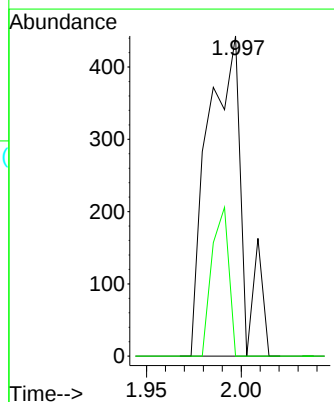
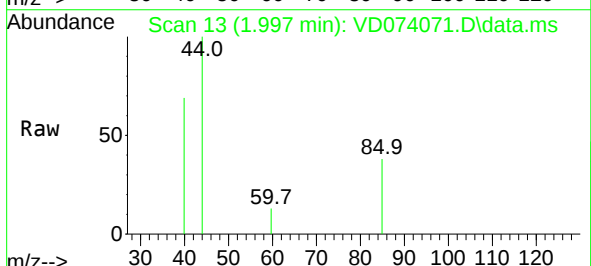


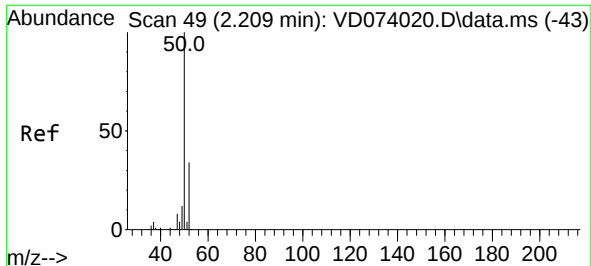
Tgt Ion:168 Resp: 143494
Ion Ratio Lower Upper
168 100
99 59.0 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

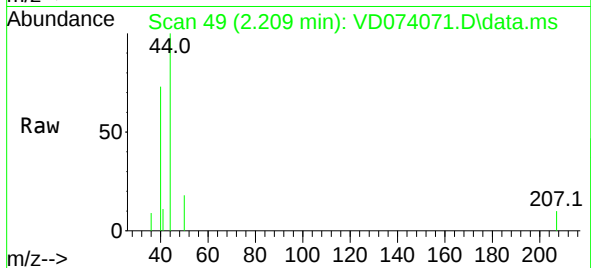
Tgt Ion: 85 Resp: 565
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#



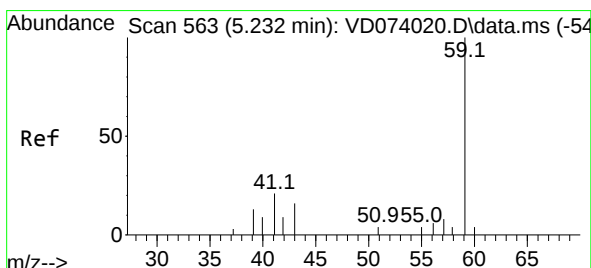
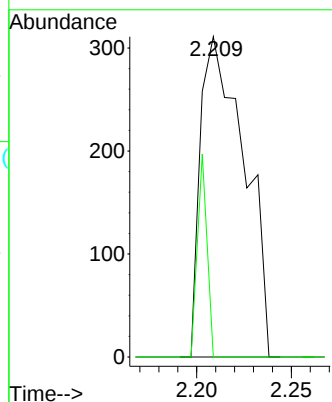
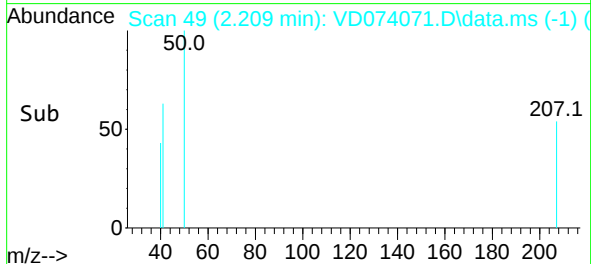


#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Instrument :
MSVOA_D
ClientSampleId :

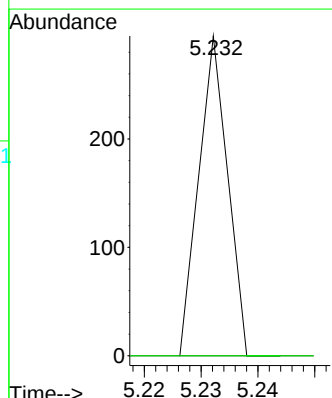
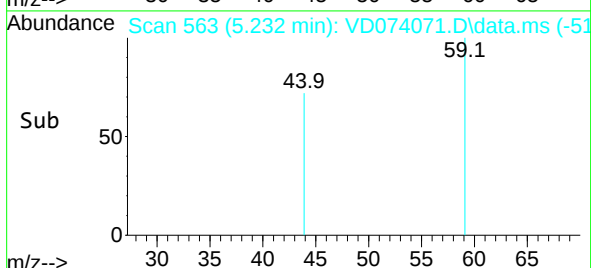
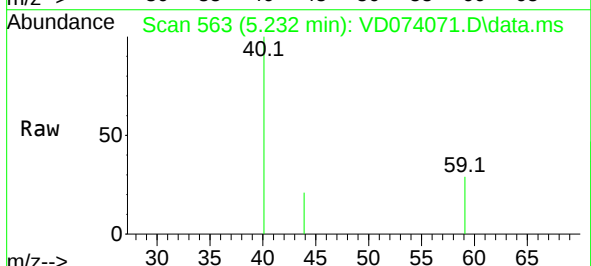


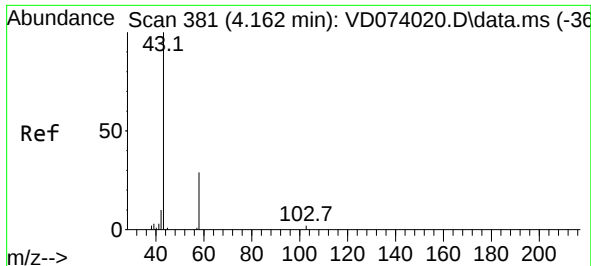
Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#



#11
Tert butyl alcohol
Concen: 8.753 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Tgt Ion: 59 Resp: 104
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

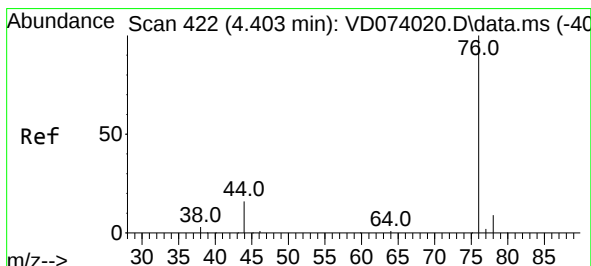
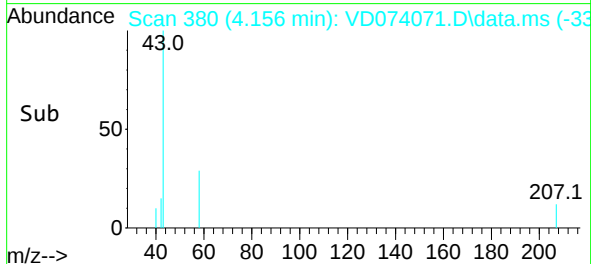
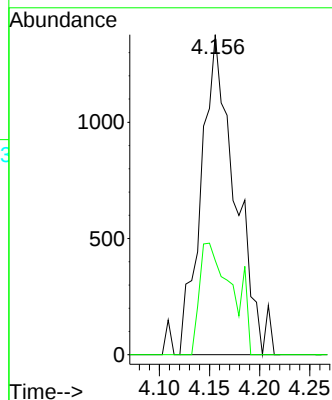
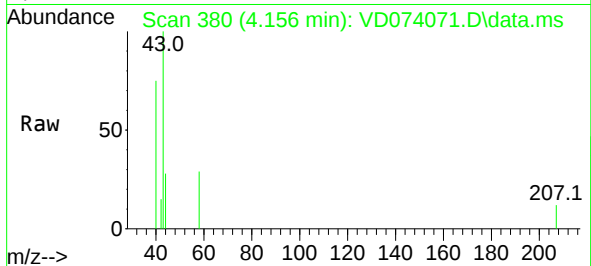




#16
Acetone
Concen: 14.172 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

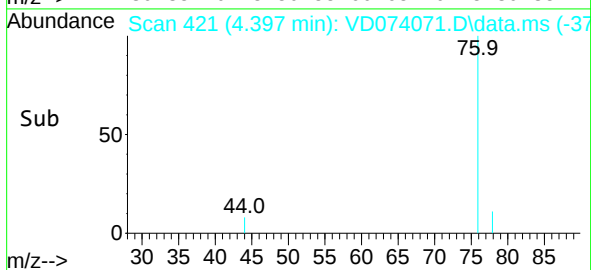
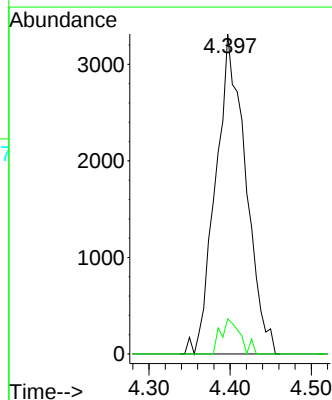
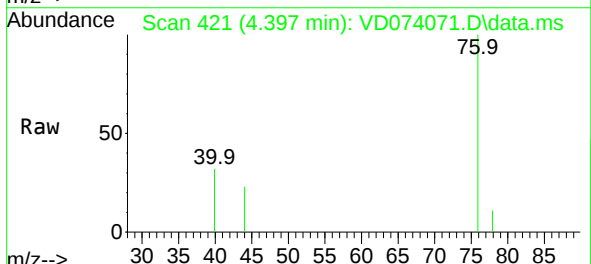
Instrument :
MSVOA_D
ClientSampleId :

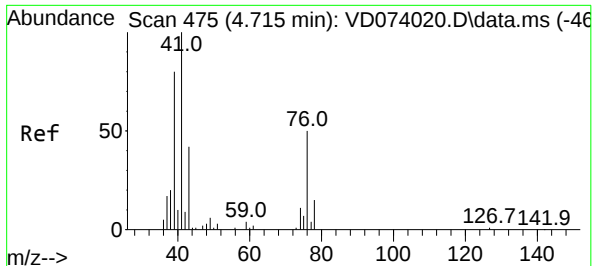
Tgt Ion: 43 Resp: 3254
Ion Ratio Lower Upper
43 100
58 29.5 22.8 34.2



#17
Carbon Disulfide
Concen: 1.827 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

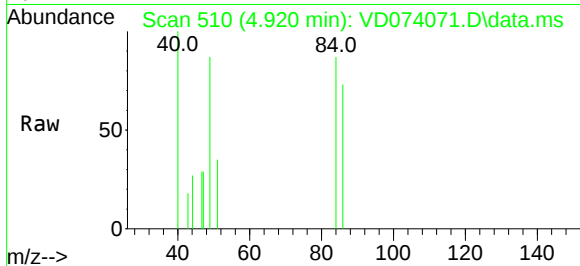
Tgt Ion: 76 Resp: 8499
Ion Ratio Lower Upper
76 100
78 11.0 7.9 11.9



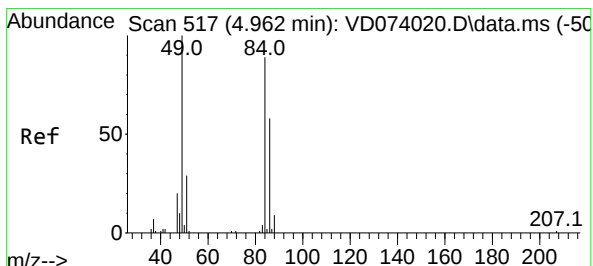
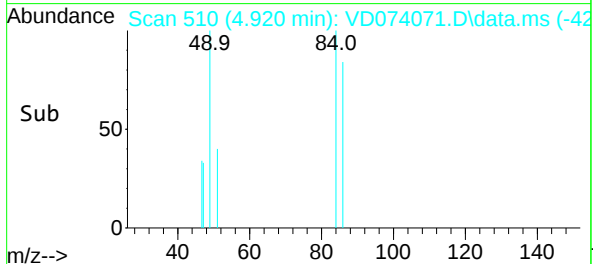
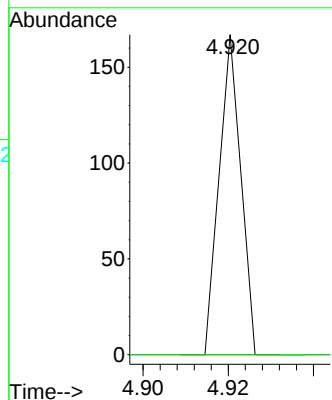


#18
Methyl Acetate
Concen: Below Cal
RT: 4.920 min Scan# 516
Delta R.T. 0.205 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Instrument :
MSVOA_D
ClientSampleId :

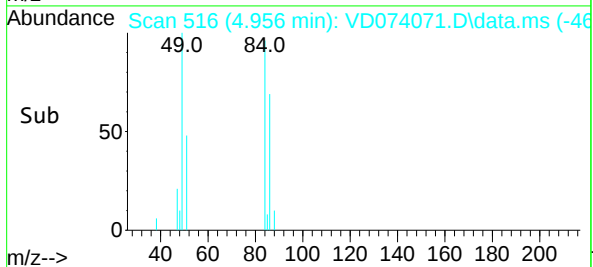
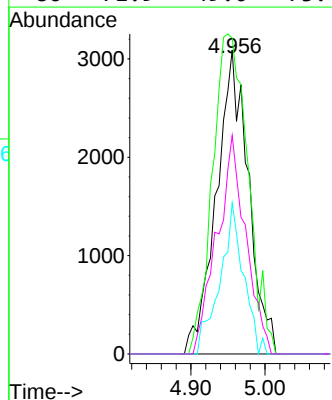
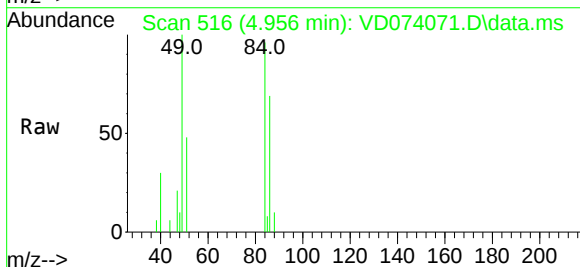


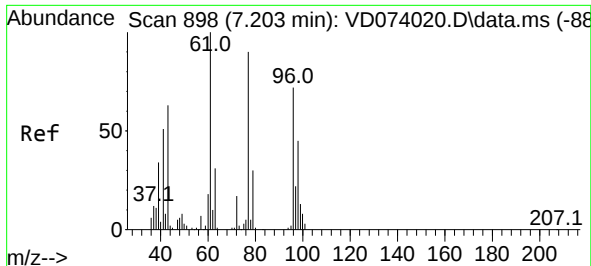
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 3.260 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

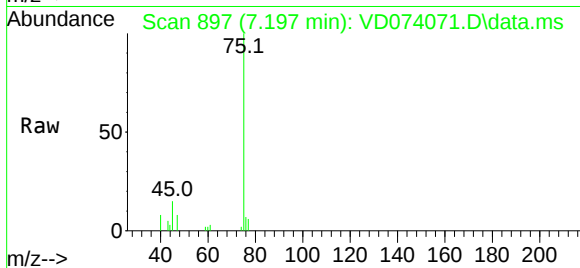
Tgt Ion: 84 Resp: 9258
Ion Ratio Lower Upper
84 100
49 104.0 85.8 128.6
51 49.7 28.0 42.0#
86 71.9 49.0 73.4



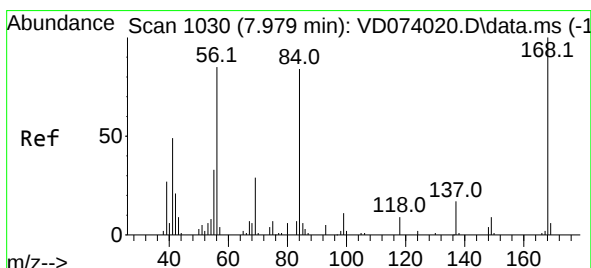
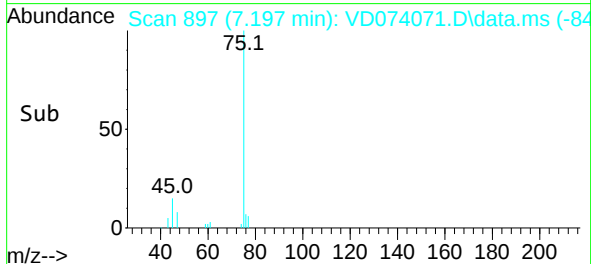
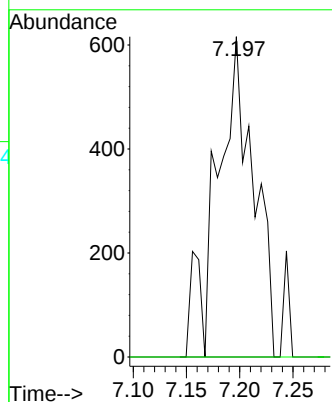


#25
2-Butanone
Concen: 4.161 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Instrument :
MSVOA_D
ClientSampleId :

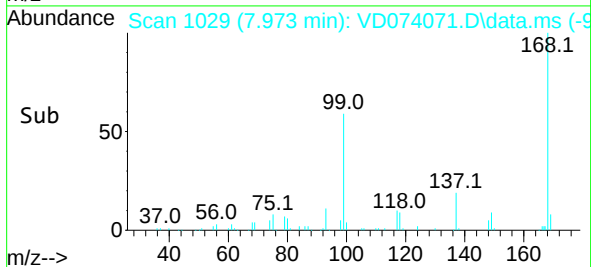
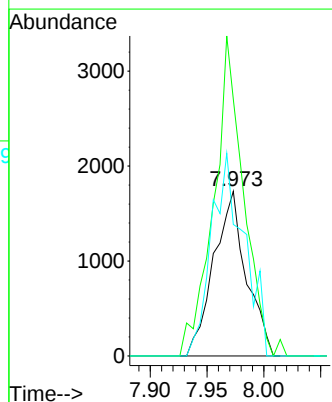
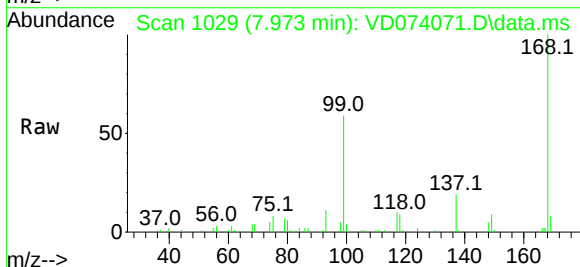


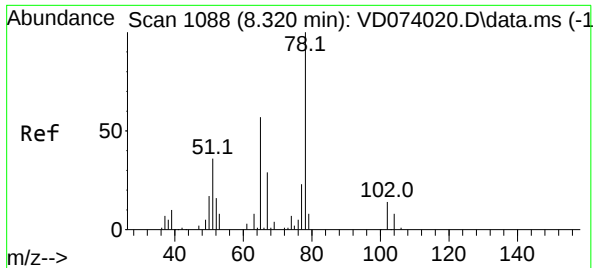
Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Tgt Ion: 56 Resp: 3461
Ion Ratio Lower Upper
56 100
69 155.9 27.9 41.9#
84 79.9 75.8 113.6





#33

1,2-Dichloroethane-d4

Concen: 45.144 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD074071.D

Acq: 12 Aug 2022 19:14

Instrument :

MSVOA_D

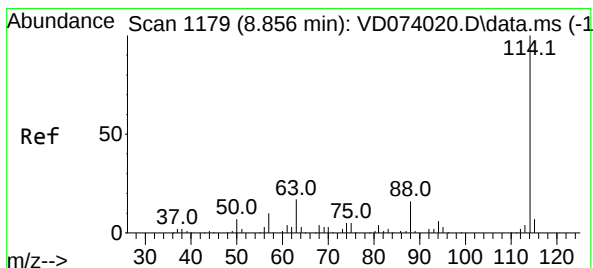
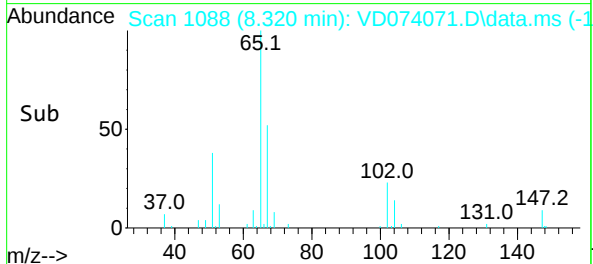
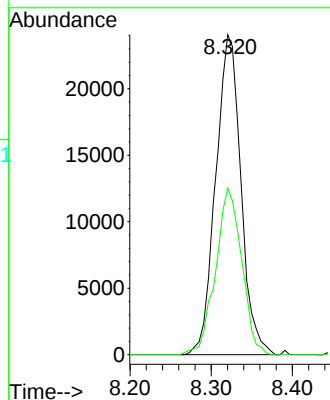
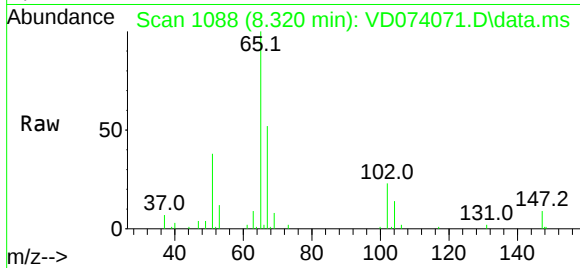
ClientSampleId :

Tgt Ion: 65 Resp: 51899

Ion Ratio Lower Upper

65 100

67 53.9 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074071.D

Acq: 12 Aug 2022 19:14

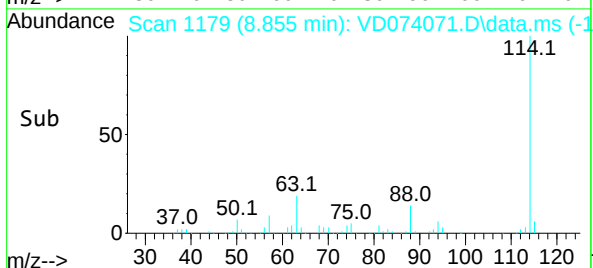
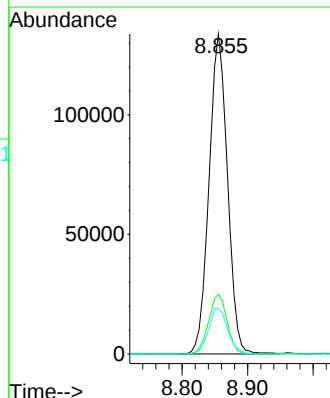
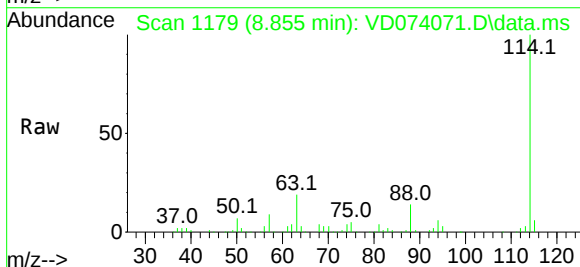
Tgt Ion: 114 Resp: 260927

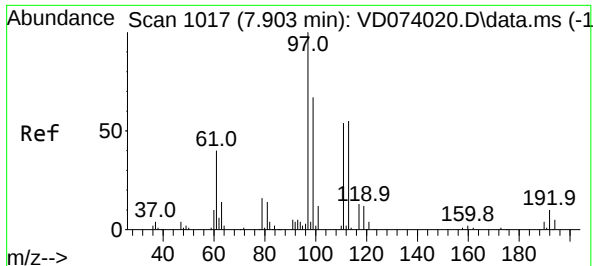
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 14.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 37.772 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.000 min

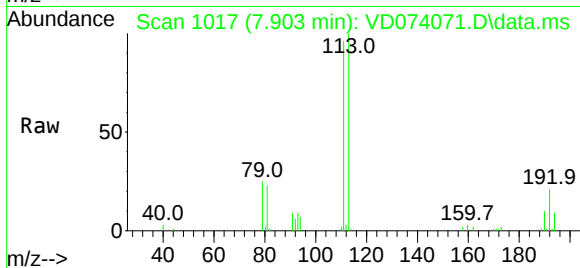
Lab File: VD074071.D

Acq: 12 Aug 2022 19:14

Instrument :

MSVOA_D

ClientSampleId :



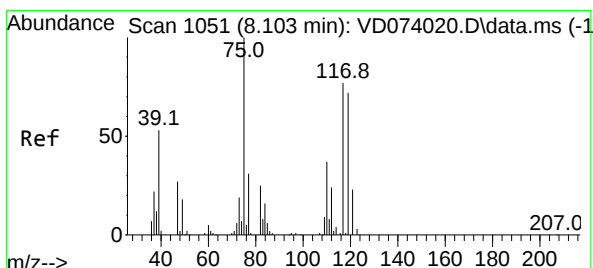
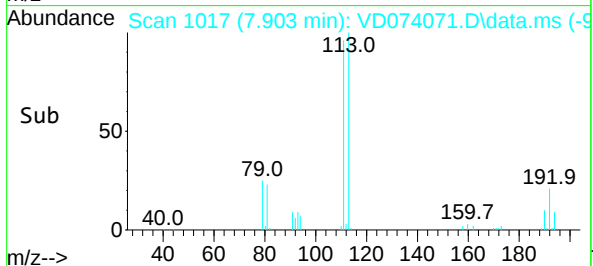
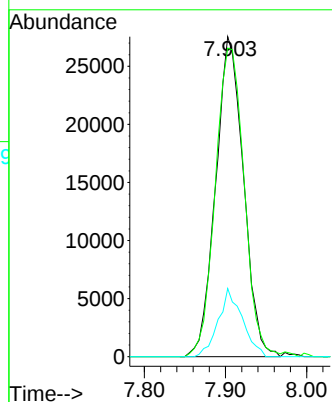
Tgt Ion:113 Resp: 65461

Ion Ratio Lower Upper

113 100

111 100.2 80.0 120.0

192 18.5 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD074071.D

Acq: 12 Aug 2022 19:14

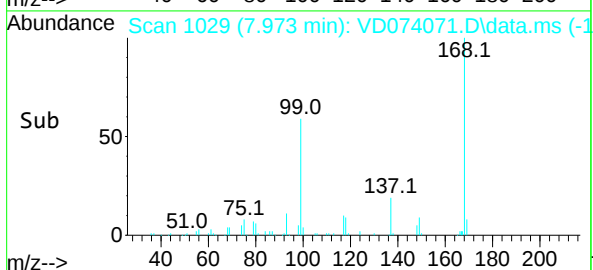
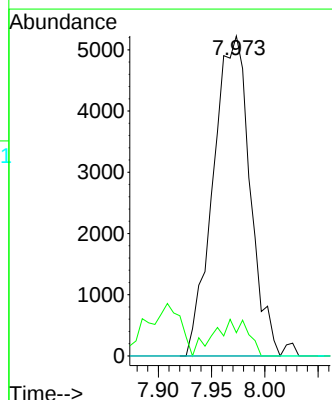
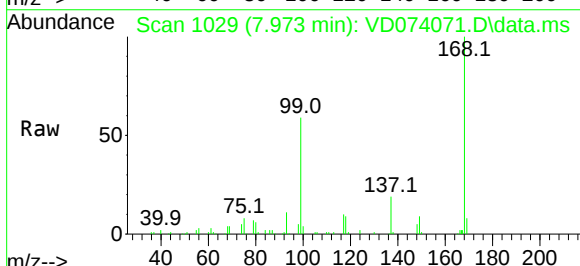
Tgt Ion: 75 Resp: 12554

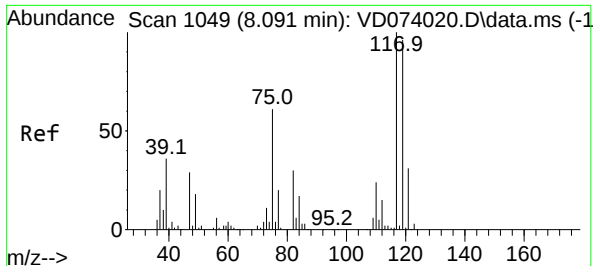
Ion Ratio Lower Upper

75 100

110 10.5 18.4 55.4#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.457 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

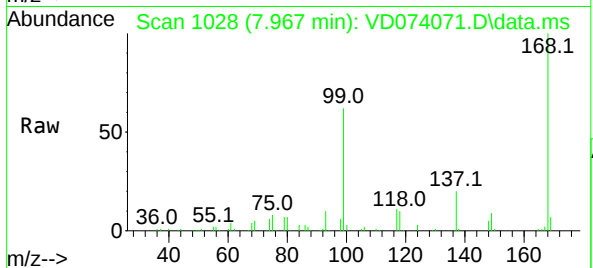
Lab File: VD074071.D

Acq: 12 Aug 2022 19:14

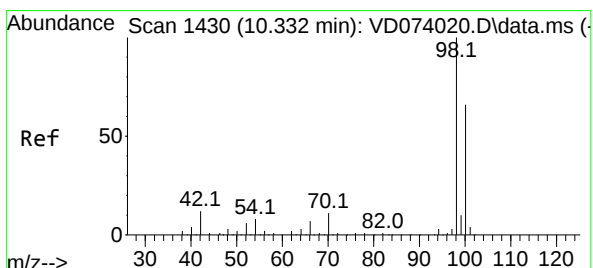
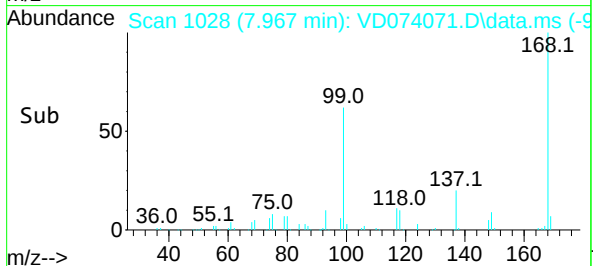
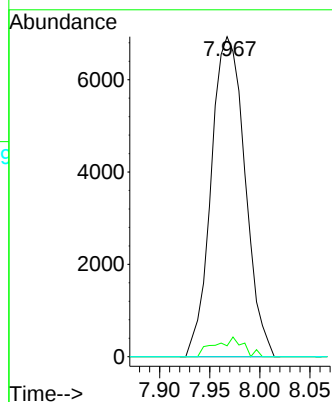
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:117	Resp:	16224
Ion	Ratio	Lower Upper
117	100	
119	3.4	75.4 113.2#
121	0.0	25.2 37.8#



#50

Toluene-d8

Concen: 30.799 ug/l

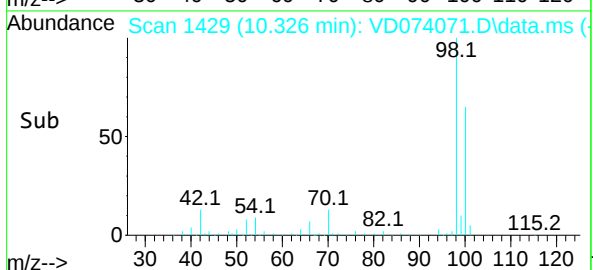
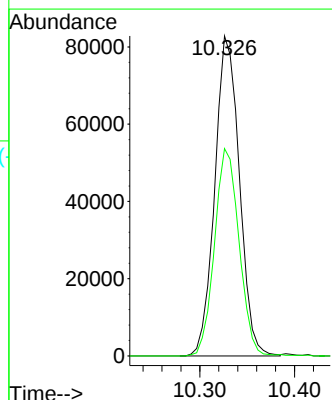
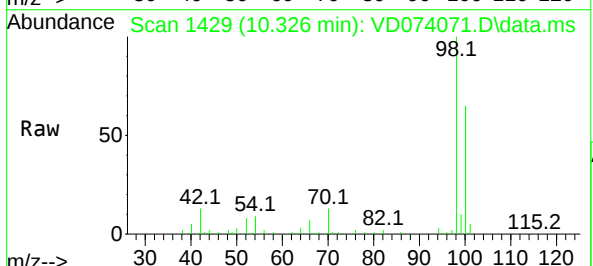
RT: 10.326 min Scan# 1429

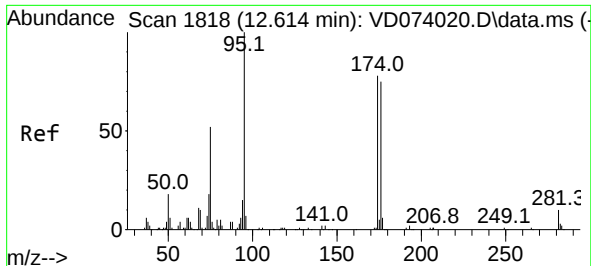
Delta R.T. -0.006 min

Lab File: VD074071.D

Acq: 12 Aug 2022 19:14

Tgt Ion: 98	Resp:	149496
Ion	Ratio	Lower Upper
98	100	
100	64.7	51.3 76.9

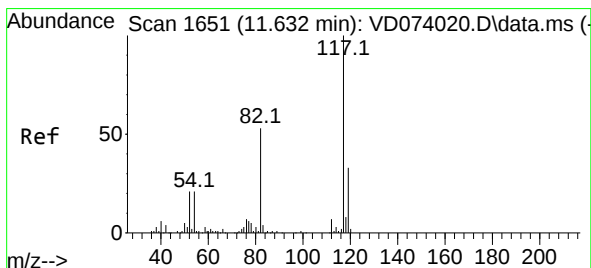
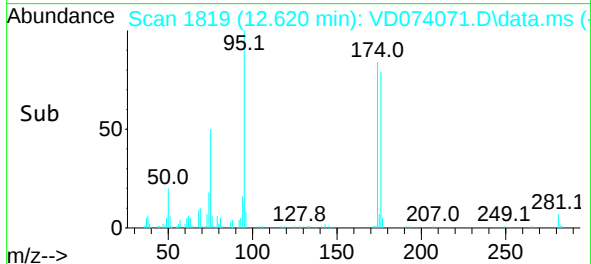
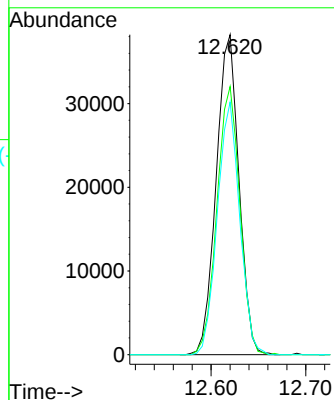
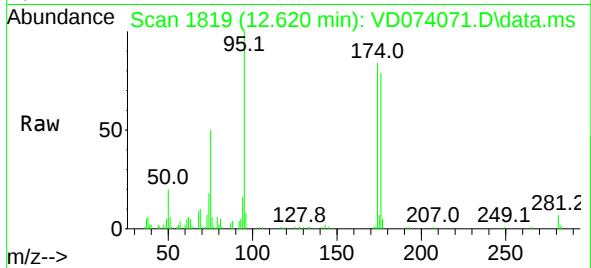




#62
4-Bromofluorobenzene
Concen: 29.964 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

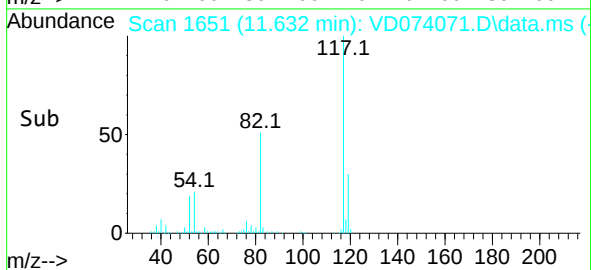
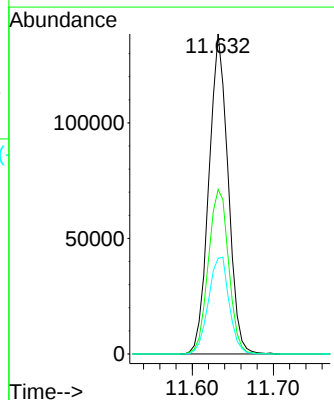
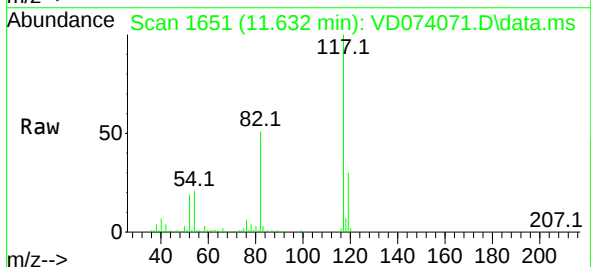
Instrument :
MSVOA_D
ClientSampleId :

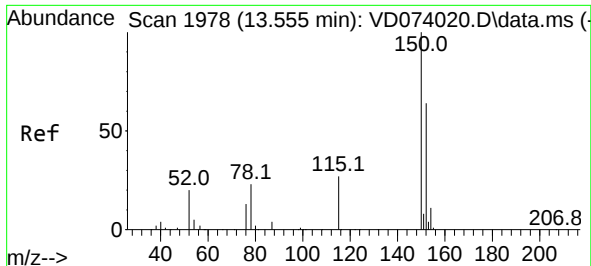
Tgt Ion: 95 Resp: 63859
Ion Ratio Lower Upper
95 100
174 84.4 0.0 162.6
176 77.6 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

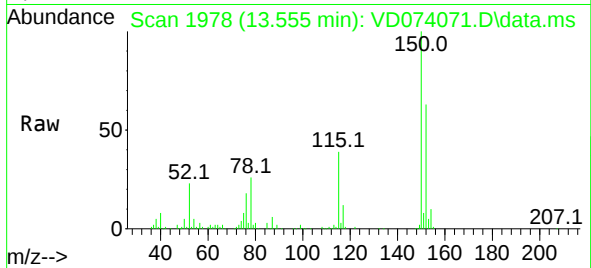
Tgt Ion: 117 Resp: 226836
Ion Ratio Lower Upper
117 100
82 51.4 42.7 64.1
119 29.8 25.8 38.8



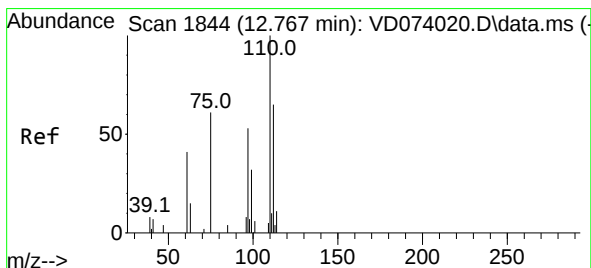
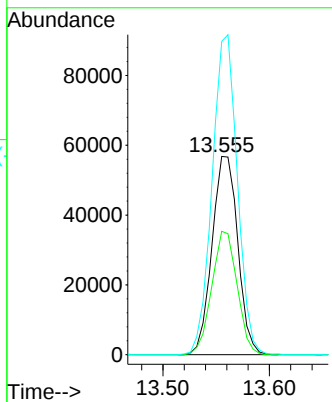
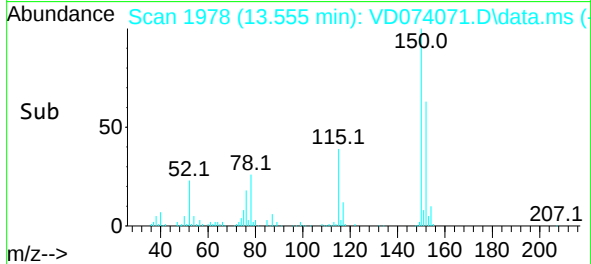


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1978
 Delta R.T. 0.000 min
 Lab File: VD074071.D
 Acq: 12 Aug 2022 19:14

Instrument :
 MSVOA_D
 ClientSampleId :

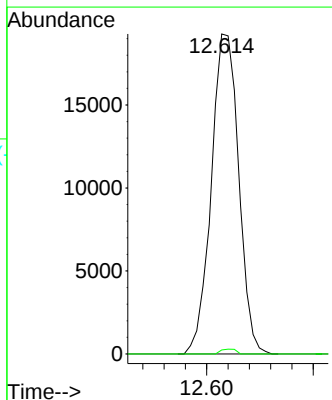
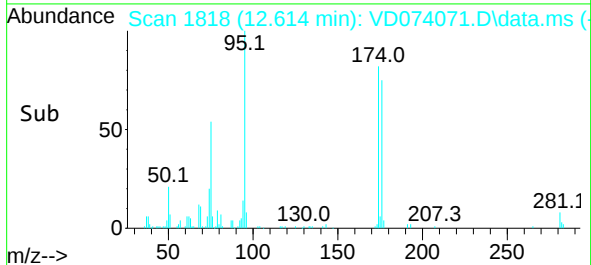
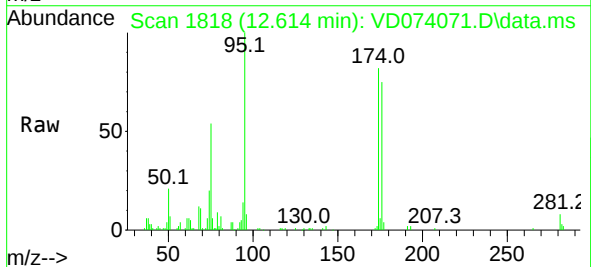


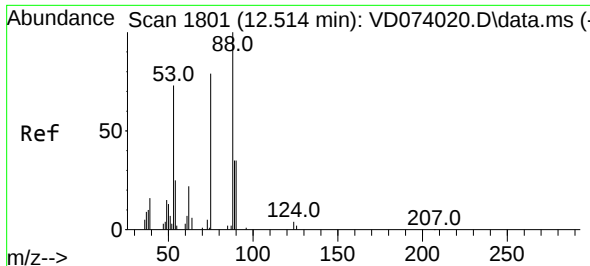
Tgt Ion:152 Resp: 95297
 Ion Ratio Lower Upper
 152 100
 115 61.2 29.9 89.8
 150 158.0 0.0 342.8



#76
 1,2,3-Trichloropropane
 Concen: 39.555 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD074071.D
 Acq: 12 Aug 2022 19:14

Tgt Ion: 75 Resp: 34416
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

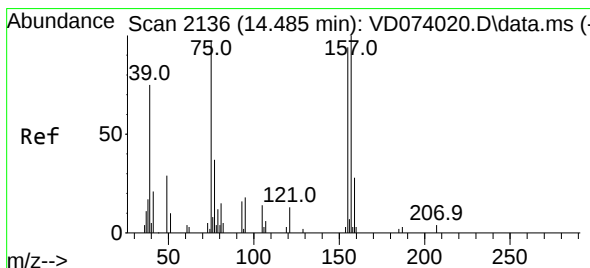
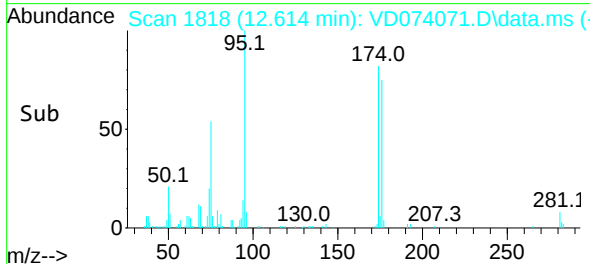
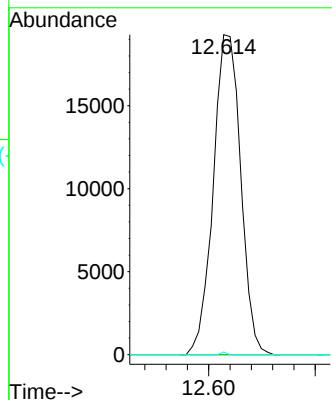
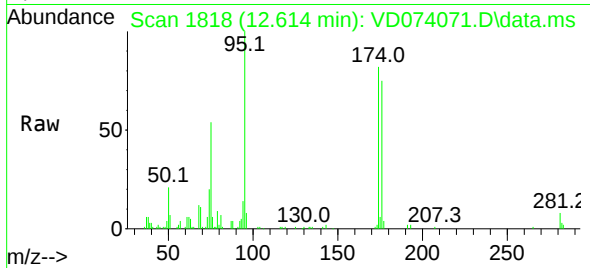




#81
trans-1,4-Dichloro-2-butene
Concen: 105.572 ug/l
RT: 12.614 min Scan# 1801
Delta R.T. 0.100 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34416
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.2 38.3 57.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.349 min Scan# 2113
Delta R.T. -0.136 min
Lab File: VD074071.D
Acq: 12 Aug 2022 19:14

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 55.2 165.6#

