

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070170.D
 Acq On : 19 Aug 2021 16:17
 Operator : VA/SY
 Sample : M3414-12
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:47:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	535533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1027781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1008261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	428039	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	334491	53.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.200%
35) Dibromofluoromethane	7.914	113	340027	51.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.338	98	1334246	51.662	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.626	95	421078	49.500	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.000%

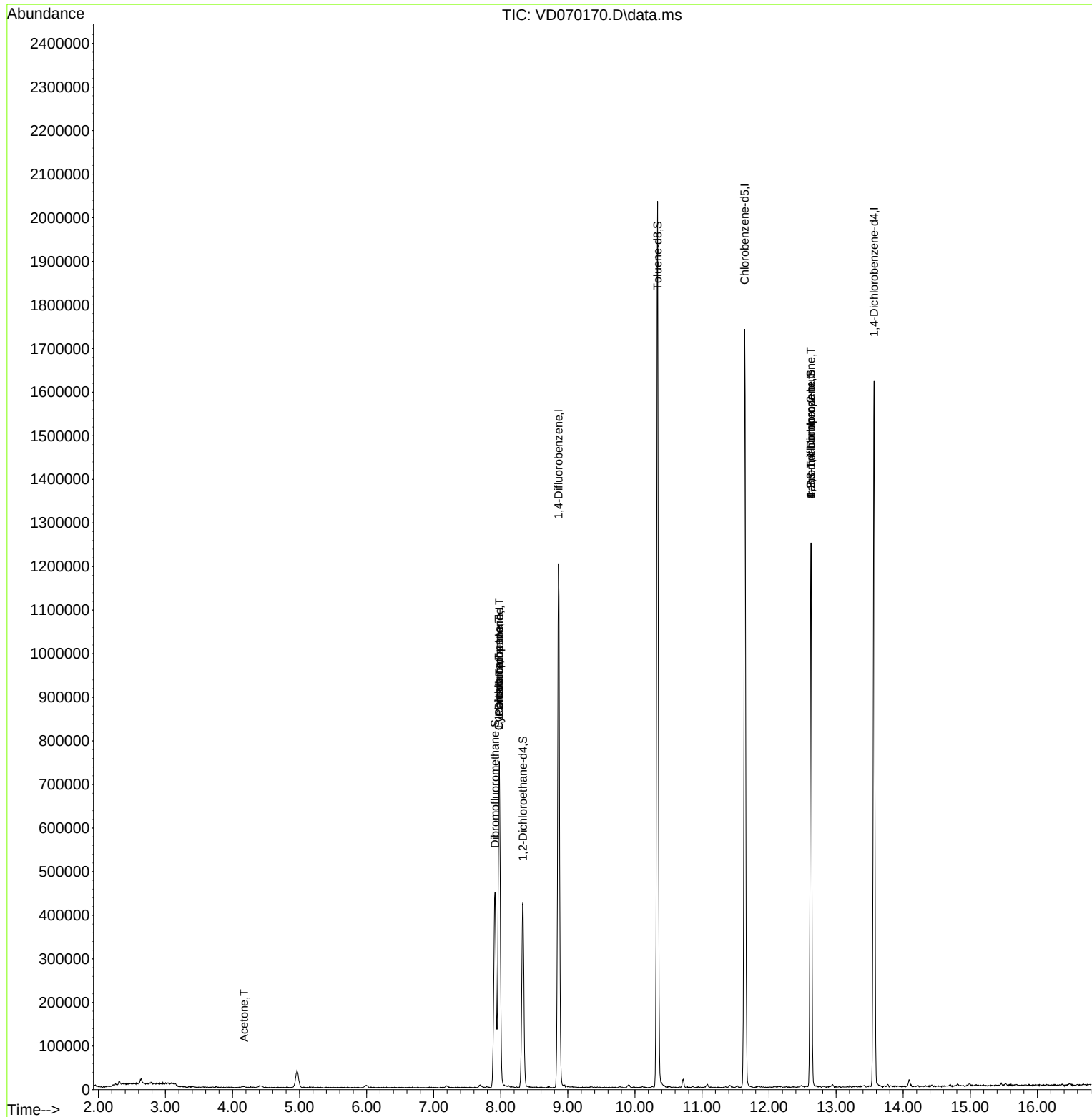
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	251	Below Cal	#	42
3) Chloromethane	2.203	50	1146	Below Cal		89
5) Bromomethane	2.773	94	2232	Below Cal		85
16) Acetone	4.173	43	4491	3.870	ug/l	95
20) Methylene Chloride	4.961	84	29159	Below Cal		98
31) Cyclohexane	7.973	56	13775	1.105	ug/l	# 1
36) 1,1-Dichloropropene	7.973	75	48361	4.374	ug/l	# 48
38) Carbon Tetrachloride	7.979	117	58093	5.787	ug/l	# 13
76) 1,2,3-Trichloropropane	12.626	75	203540	46.889	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	203540	121.706	ug/l	# 18

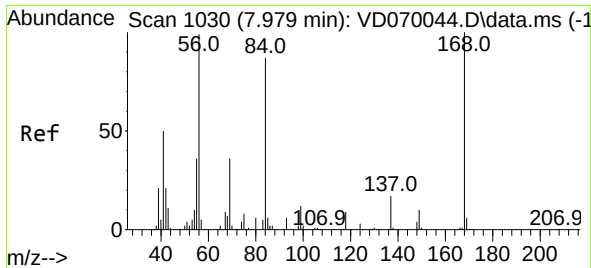
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

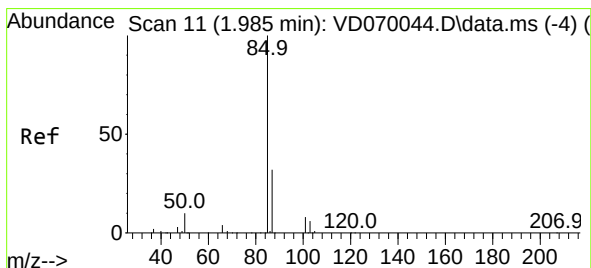
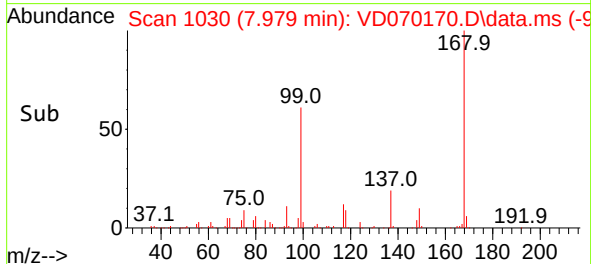
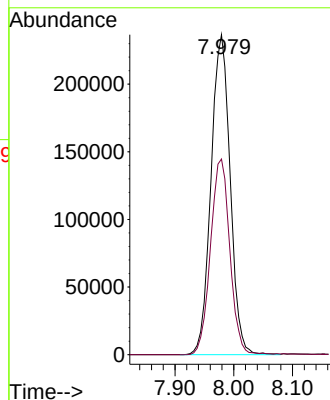
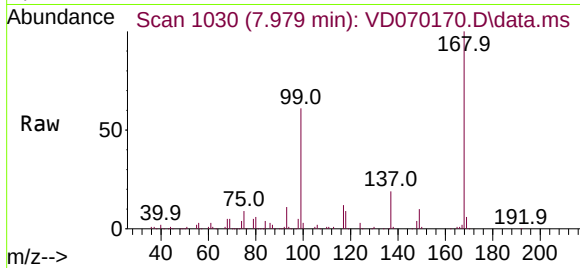




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

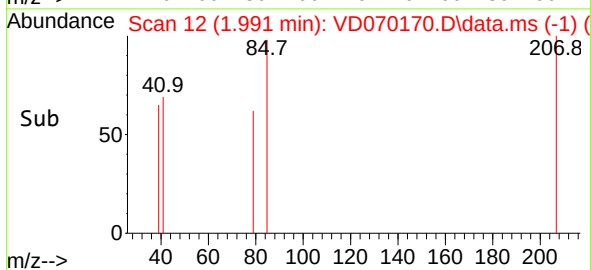
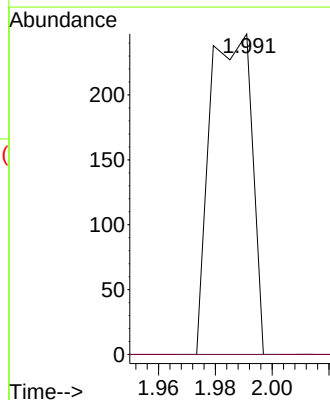
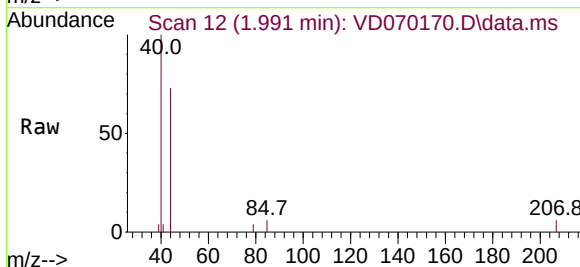
Instrument :
MSVOA_D
ClientSampleId :

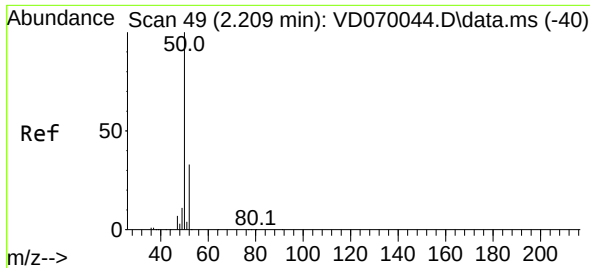
Tgt Ion:168 Resp: 535533
Ion Ratio Lower Upper
168 100
99 61.2 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion: 85 Resp: 251
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

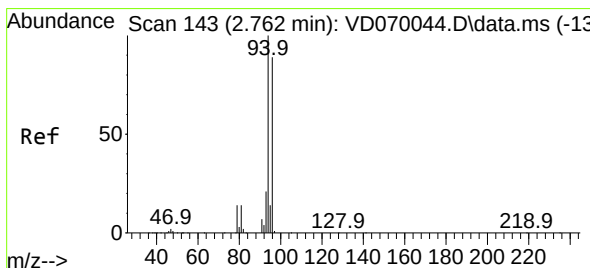
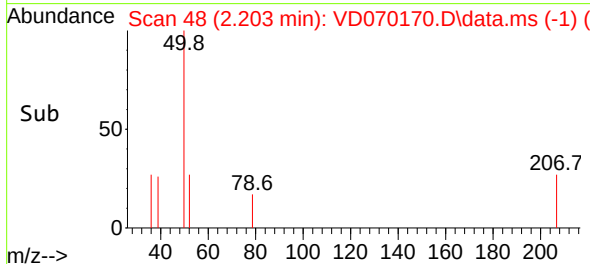
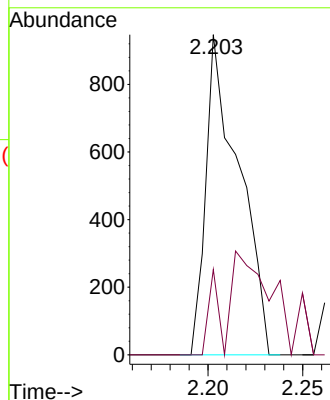
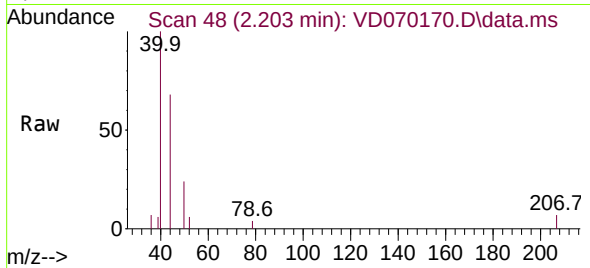




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

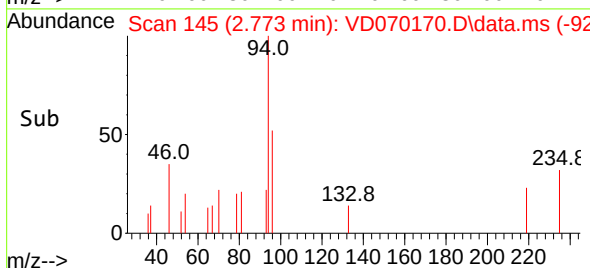
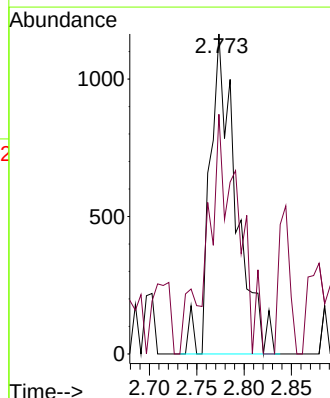
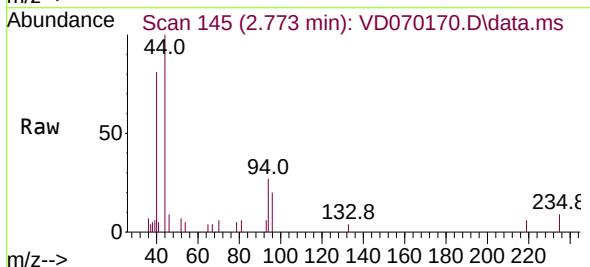
Instrument :
MSVOA_D
ClientSampleId :

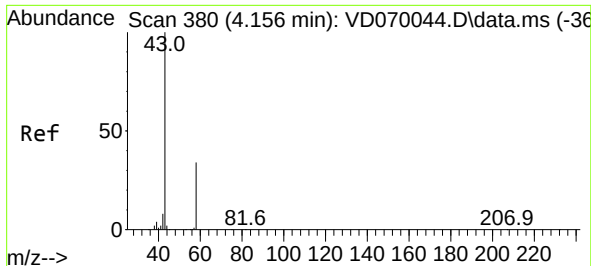
Tgt Ion: 50 Resp: 1146
Ion Ratio Lower Upper
50 100
52 26.6 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion: 94 Resp: 2232
Ion Ratio Lower Upper
94 100
96 74.9 70.9 106.3

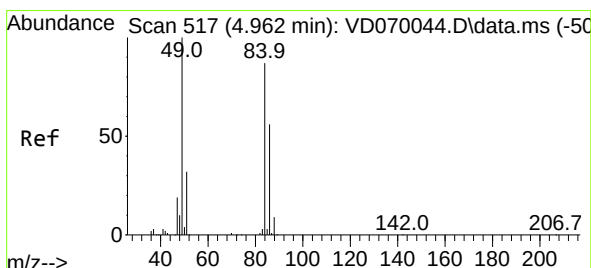
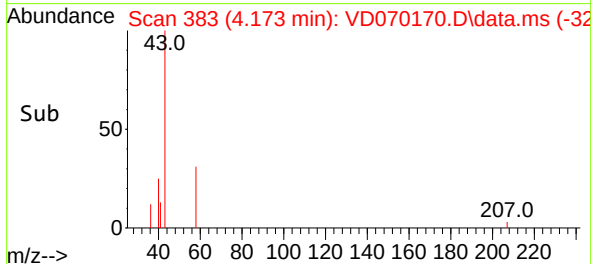
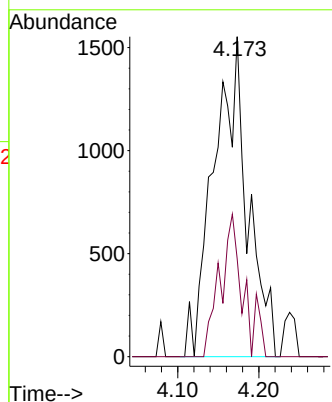
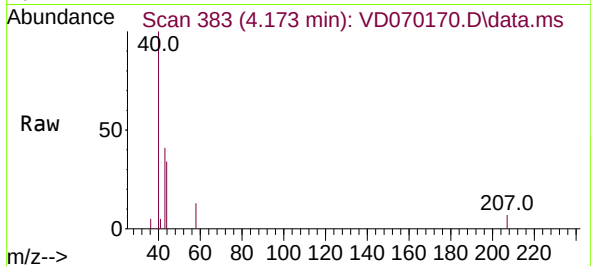




#16
Acetone
Concen: 3.870 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

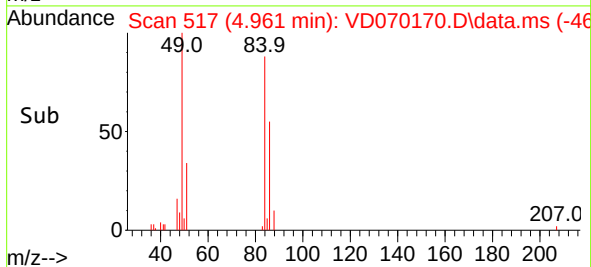
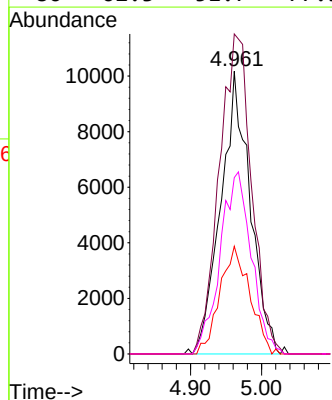
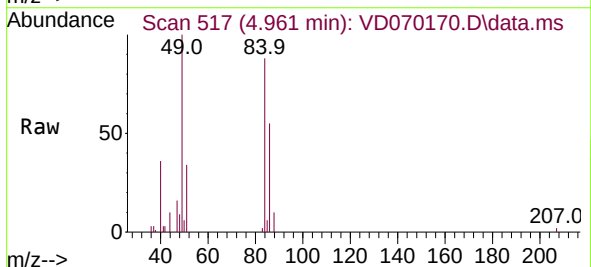
Instrument :
MSVOA_D
ClientSampled :

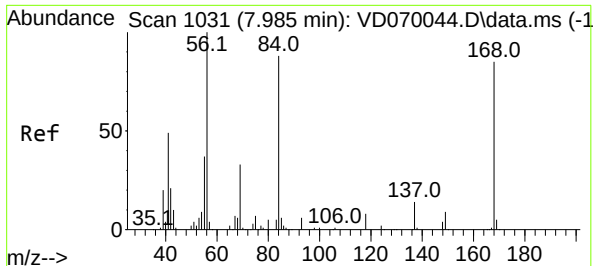
Tgt Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
58 30.7 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion: 84 Resp: 29159
Ion Ratio Lower Upper
84 100
49 113.2 92.5 138.7
51 38.1 29.7 44.5
86 62.3 51.7 77.5





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070170.D

Acq: 19 Aug 2021 16:17

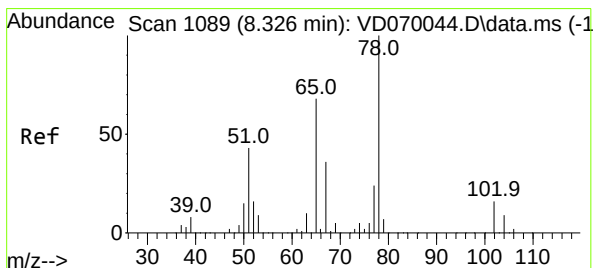
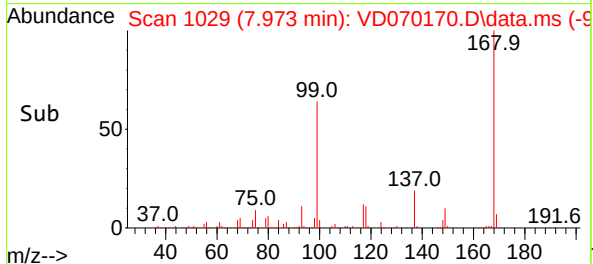
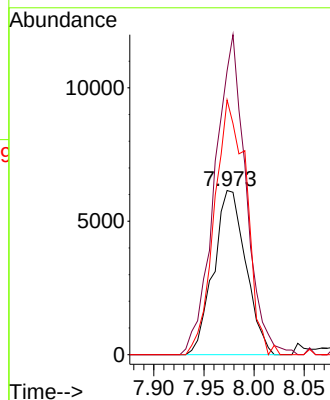
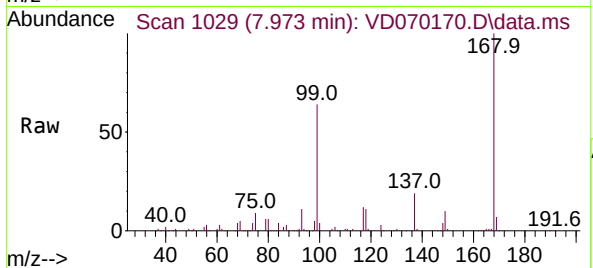
Tgt Ion: 56 Resp: 13775

Ion Ratio Lower Upper

56 100

69 172.8 26.7 40.1#

84 155.1 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 53.105 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD070170.D

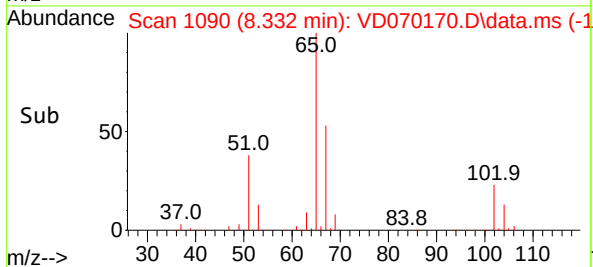
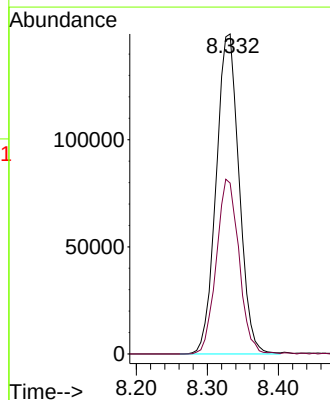
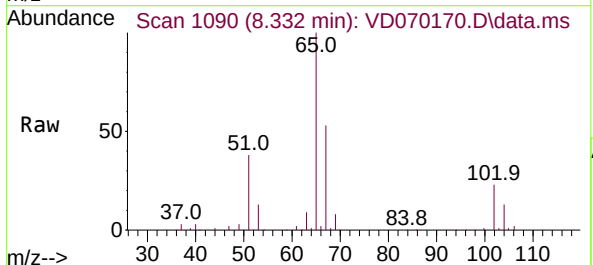
Acq: 19 Aug 2021 16:17

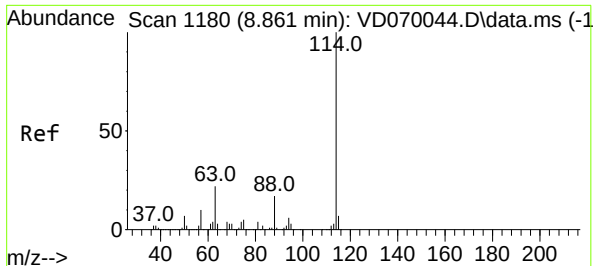
Tgt Ion: 65 Resp: 334491

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070170.D

Acq: 19 Aug 2021 16:17

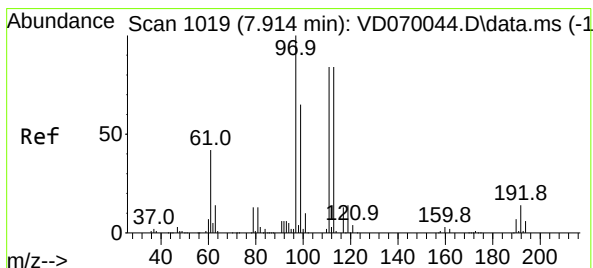
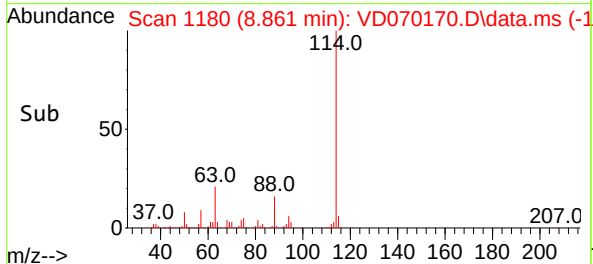
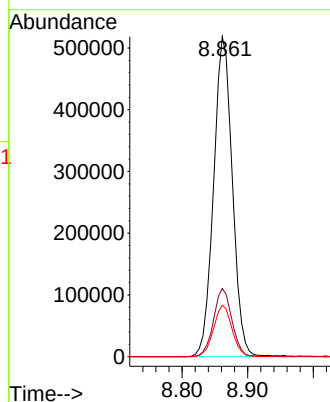
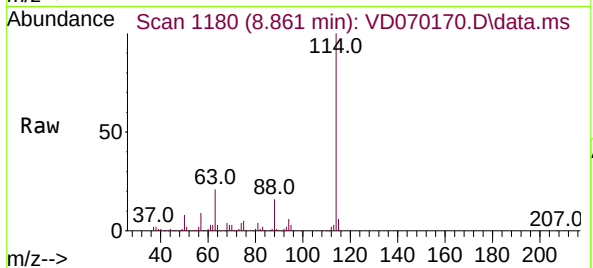
Tgt Ion:114 Resp: 1027781

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.6

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070170.D

Acq: 19 Aug 2021 16:17

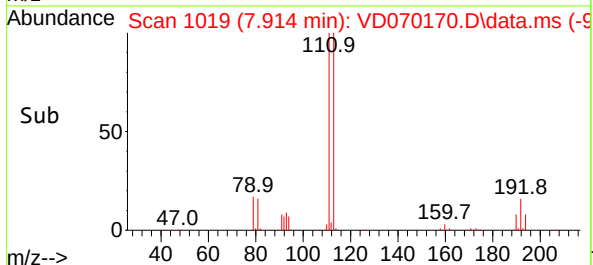
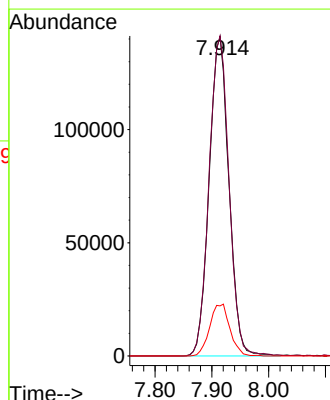
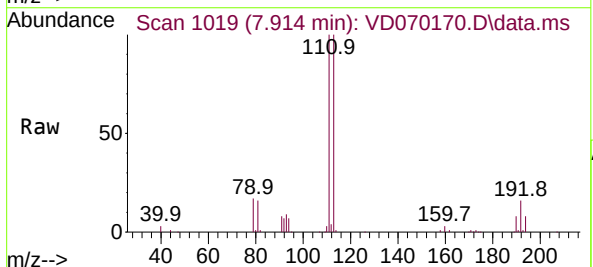
Tgt Ion:113 Resp: 340027

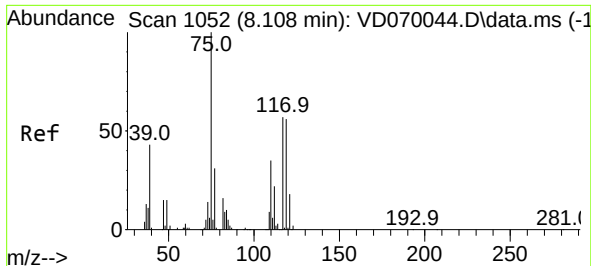
Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.6

192 16.6 13.2 19.8

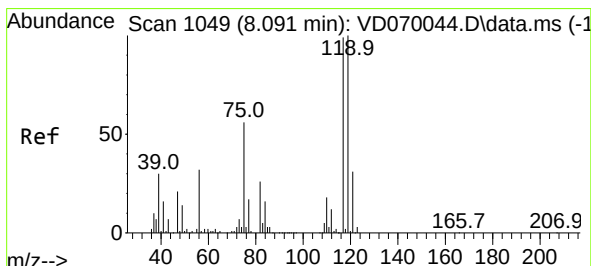
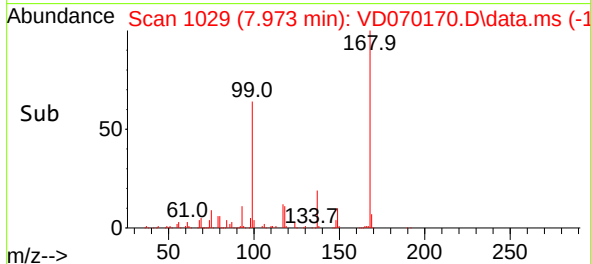
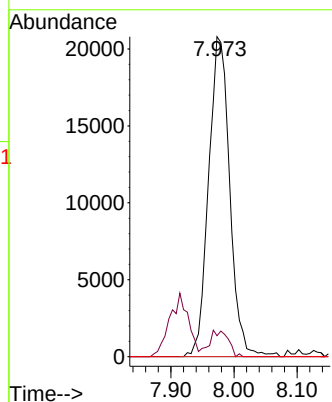
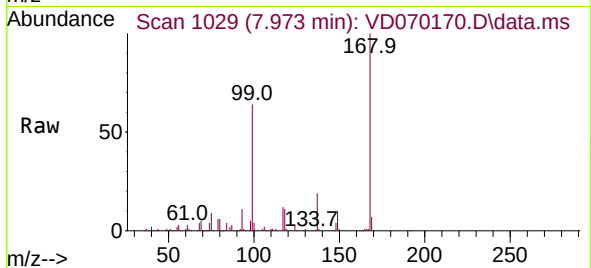




#36
1,1-Dichloropropene
Concen: 4.374 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

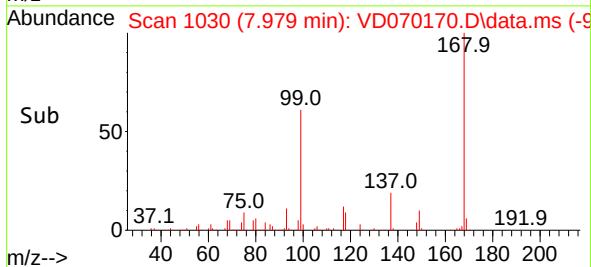
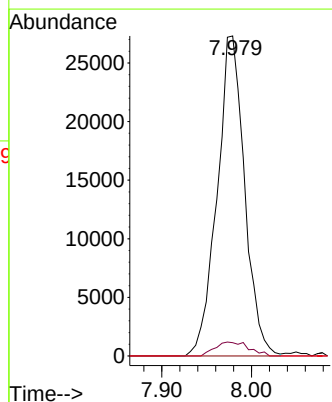
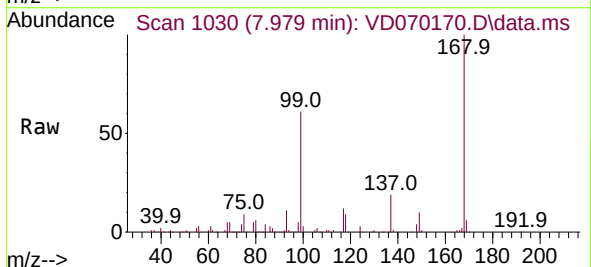
Instrument :
MSVOA_D
ClientSampleId :

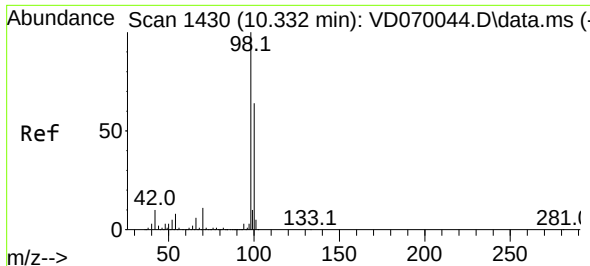
Tgt Ion: 75 Resp: 48361
Ion Ratio Lower Upper
75 100
110 7.0 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion: 117 Resp: 58093
Ion Ratio Lower Upper
117 100
119 4.2 81.0 121.6#
121 0.0 25.0 37.6#

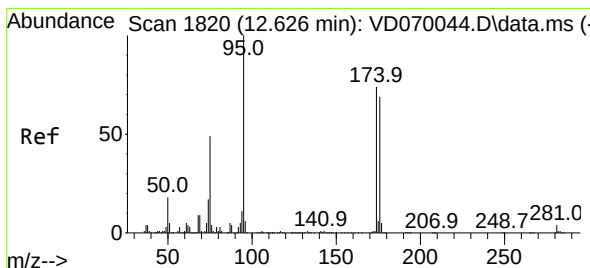
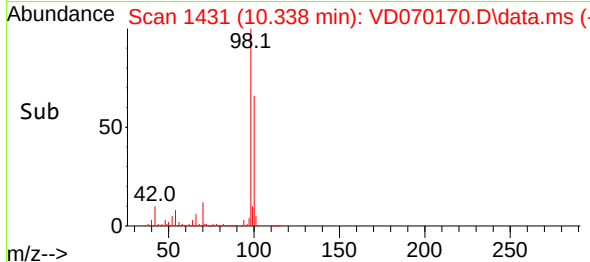
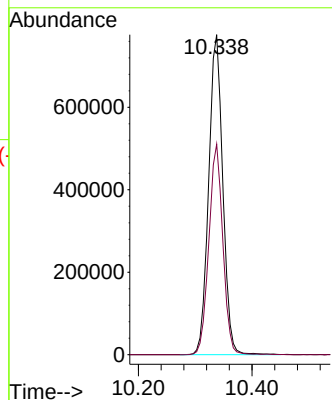
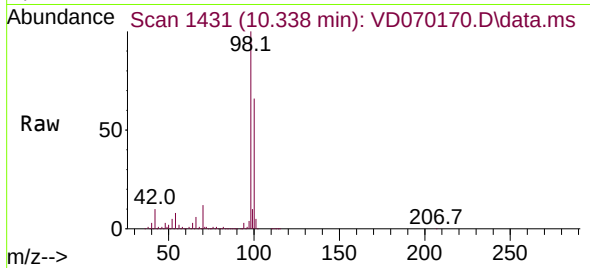




#50
Toluene-d8
Concen: 51.662 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

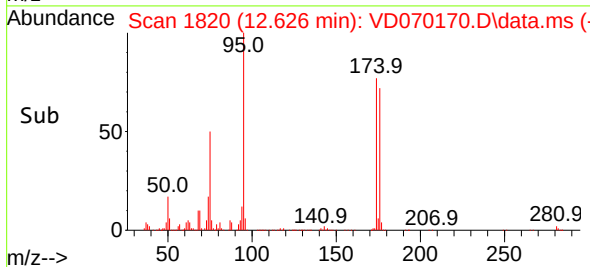
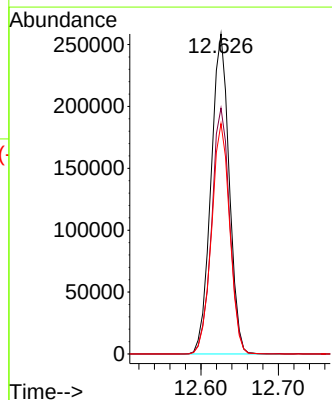
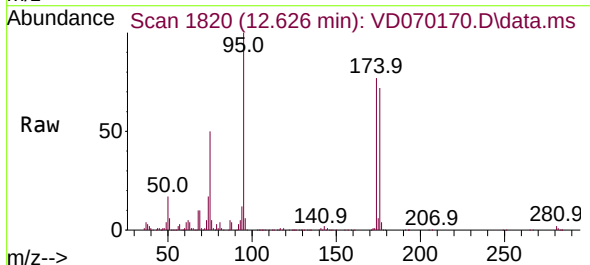
Instrument :
MSVOA_D
ClientSampleId :

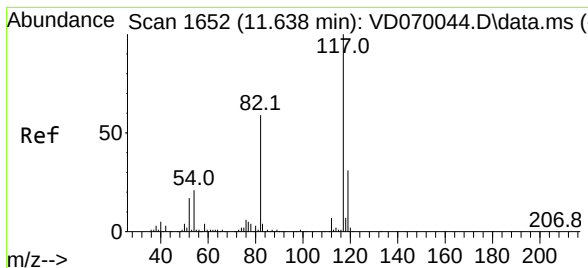
Tgt Ion: 98 Resp: 1334246
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.500 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion: 95 Resp: 421078
Ion Ratio Lower Upper
95 100
174 76.4 0.0 141.6
176 71.9 0.0 138.2

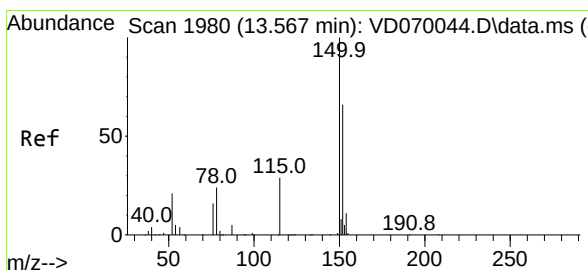
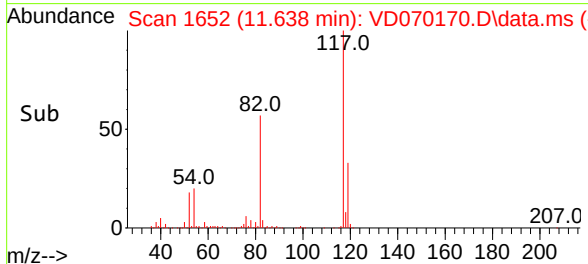
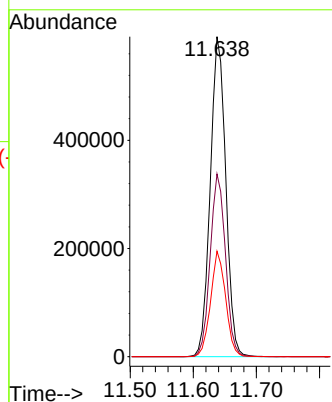
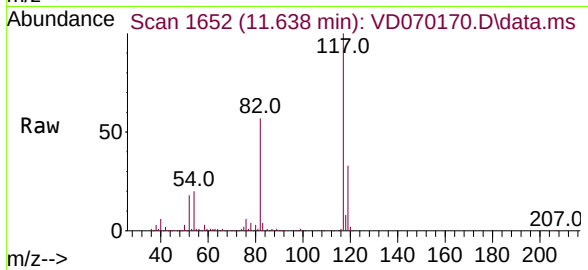




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

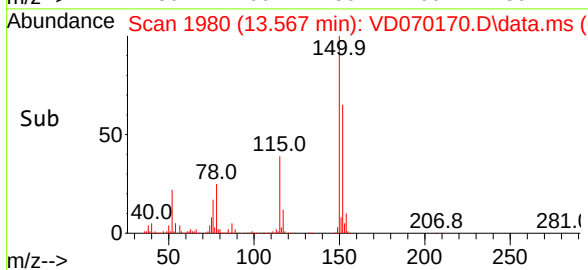
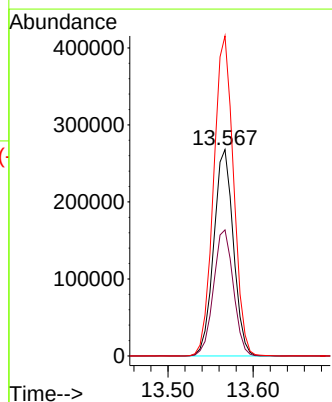
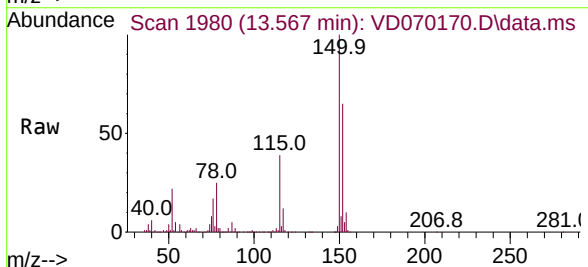
Instrument :
MSVOA_D
ClientSampleId :

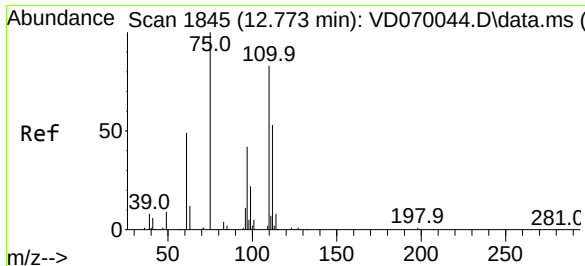
Tgt Ion:117 Resp: 1008261
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion:152 Resp: 428039
Ion Ratio Lower Upper
152 100
115 61.7 31.2 93.6
150 157.6 0.0 352.0

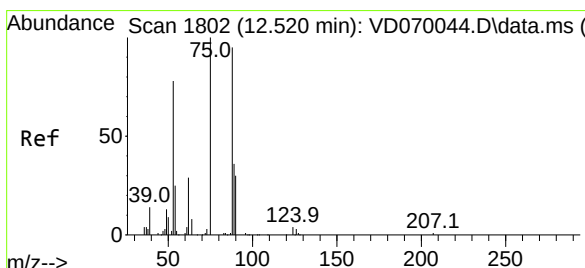
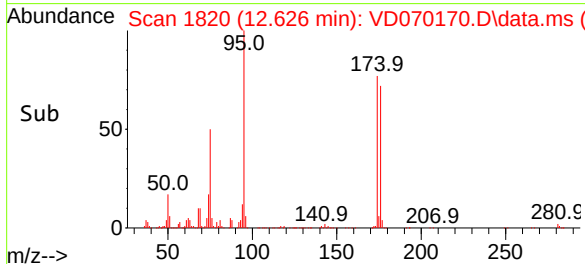
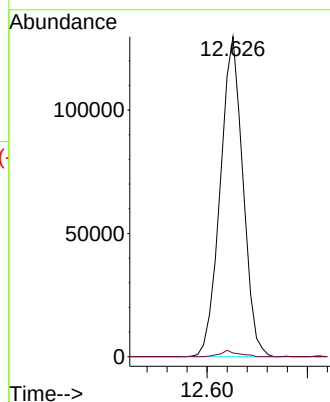
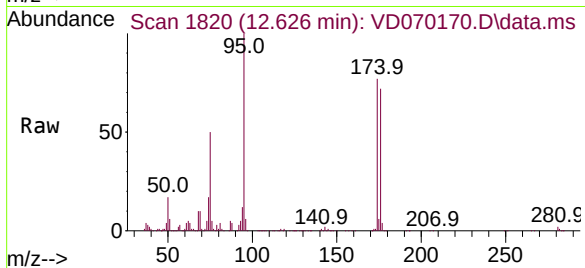




#76
1,2,3-Trichloropropane
Concen: 46.889 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 203540
Ion Ratio Lower Upper
75 100
77 1.5 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.706 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070170.D
Acq: 19 Aug 2021 16:17

Tgt Ion: 75 Resp: 203540
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 33.7 50.5#

