

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010422\
 Data File : VD071587.D
 Acq On : 04 Jan 2022 12:30
 Operator : VA/SY
 Sample : M5255-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 04 15:41:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

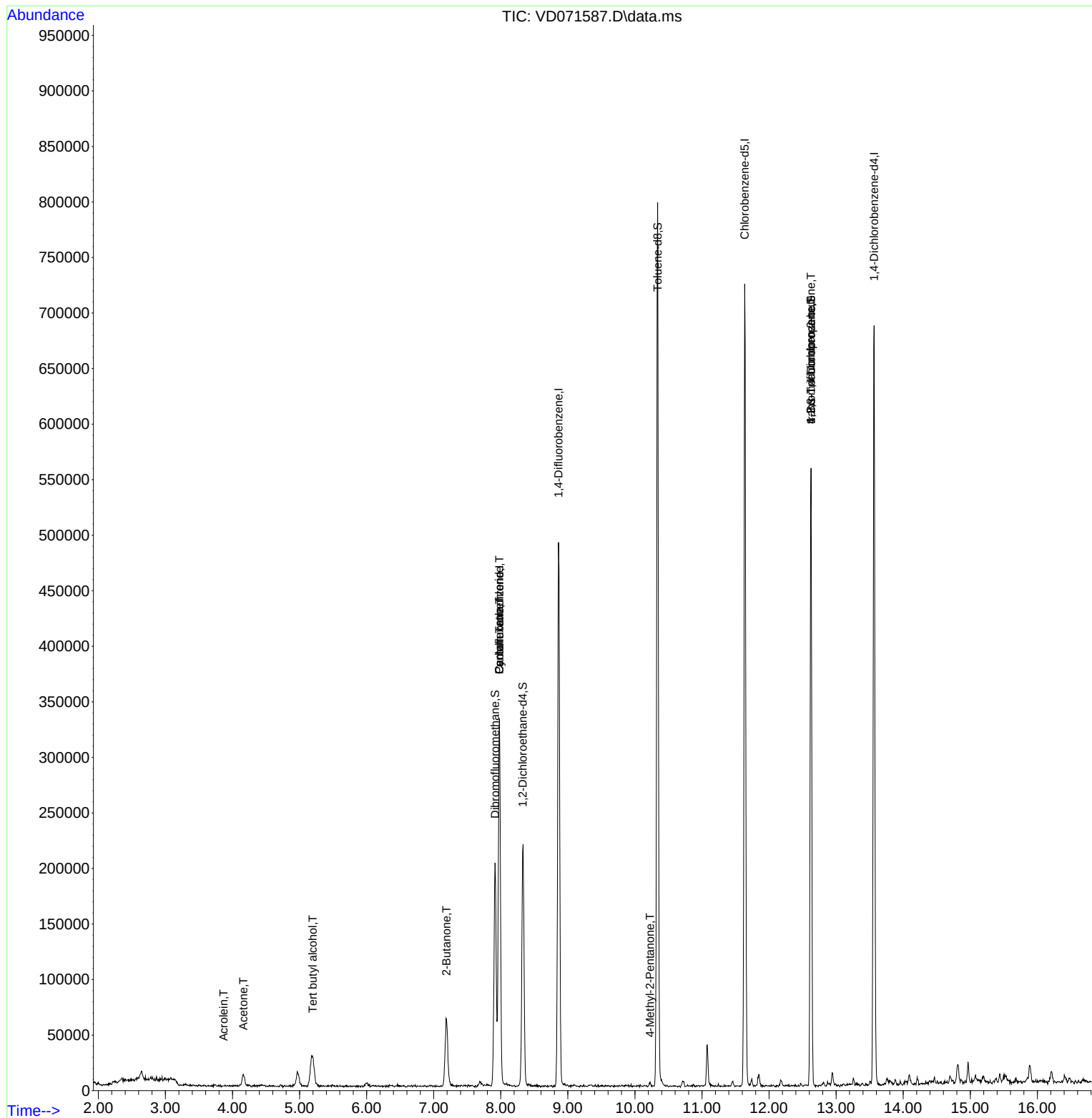
Internal Standards						
1) Pentafluorobenzene	7.979	168	229972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	395031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	375656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	163844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176965	57.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.880%
35) Dibromofluoromethane	7.914	113	135618	51.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.160%
50) Toluene-d8	10.338	98	505555	50.389	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.780%
62) 4-Bromofluorobenzene	12.626	95	168655	47.306	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.197	59	29237	100.002	ug/l #	71
13) Acrolein	3.867	56	152	1.030	ug/l #	13
16) Acetone	4.162	43	18380	23.959	ug/l	95
20) Methylene Chloride	4.967	84	8347	Below Cal	#	64
25) 2-Butanone	7.191	43	4325	4.720	ug/l #	62
31) Cyclohexane	7.979	56	7043	1.357	ug/l #	4
38) Carbon Tetrachloride	7.979	117	24484	5.851	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	2131	1.042	ug/l #	82
76) 1,2,3-Trichloropropane	12.626	75	96814	49.731	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	96814	140.516	ug/l #	18

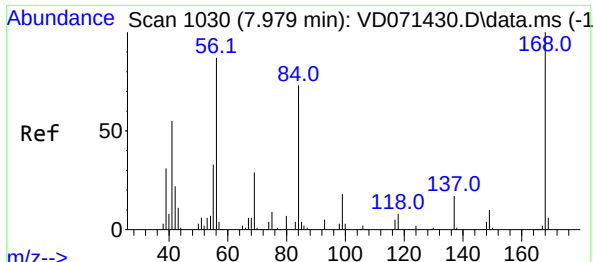
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M5255-01RE
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 04 15:41:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration

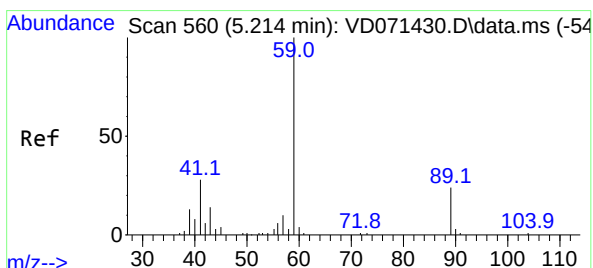
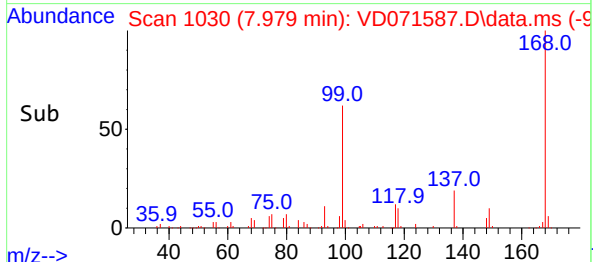
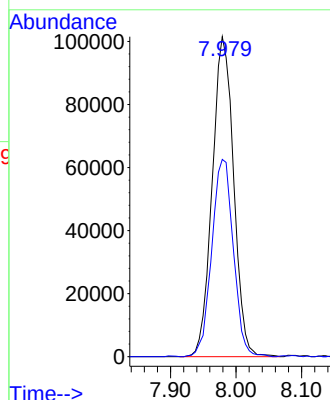
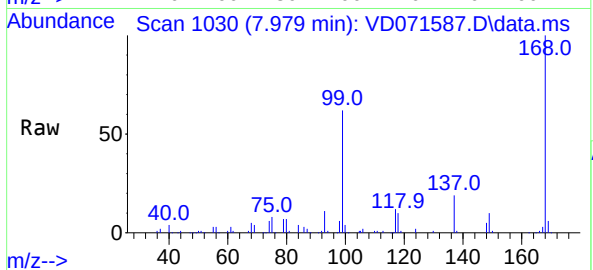




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

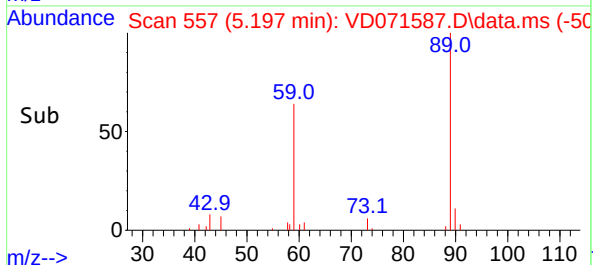
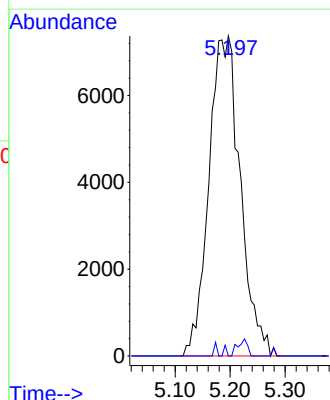
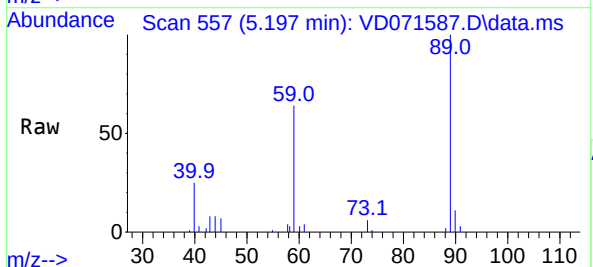
Instrument :
MSVOA_D
ClientSampleId :

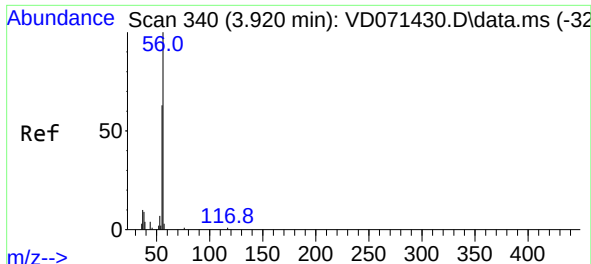
Tgt Ion:168 Resp: 229972
Ion Ratio Lower Upper
168 100
99 61.6 46.6 69.8



#11
Tert butyl alcohol
Concen: 100.002 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.012 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Tgt Ion: 59 Resp: 29237
Ion Ratio Lower Upper
59 100
57 0.3 9.0 13.4#

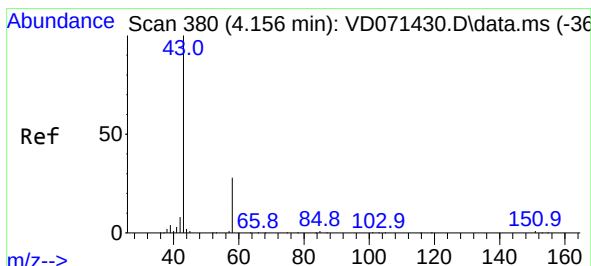
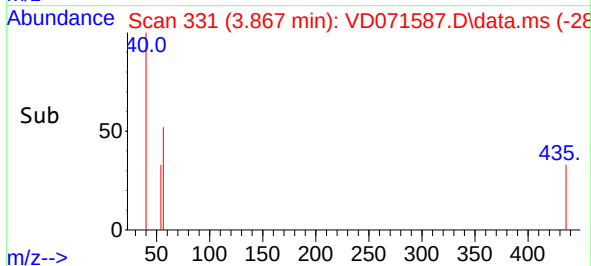
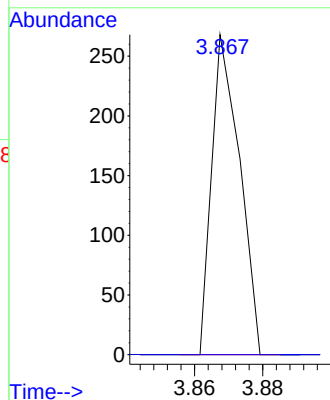
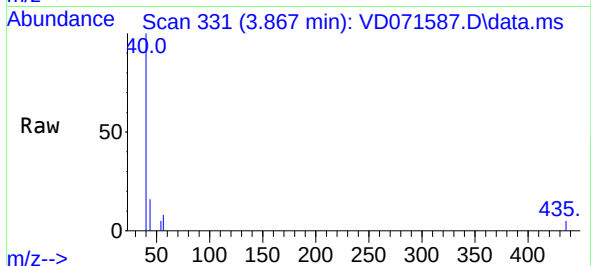




#13
Acrolein
Concen: 1.030 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.047 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

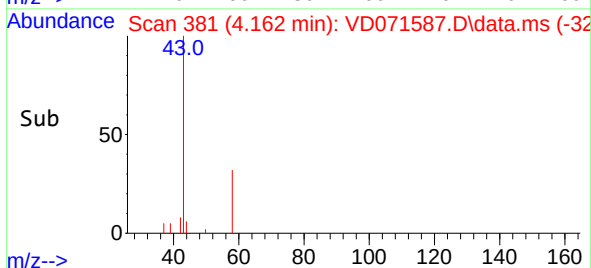
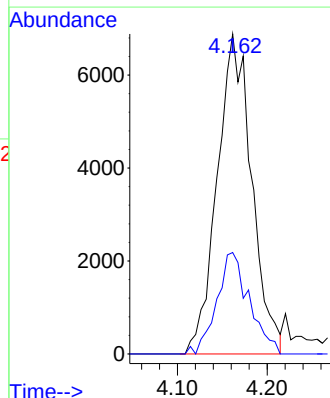
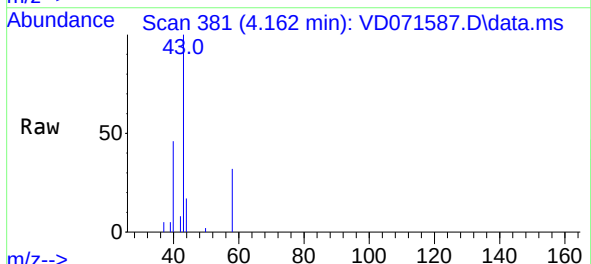
Instrument :
MSVOA_D
ClientSampleId :

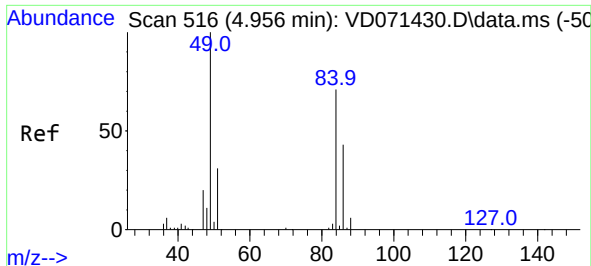
Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 23.959 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Tgt Ion: 43 Resp: 18380
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8

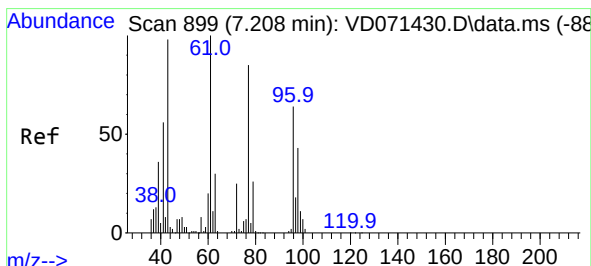
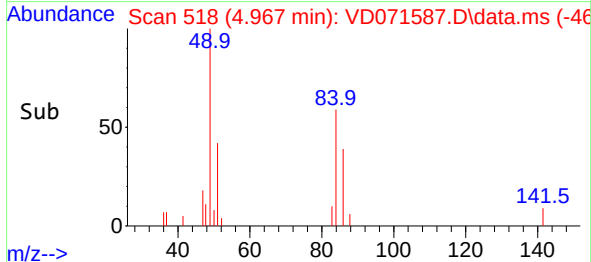
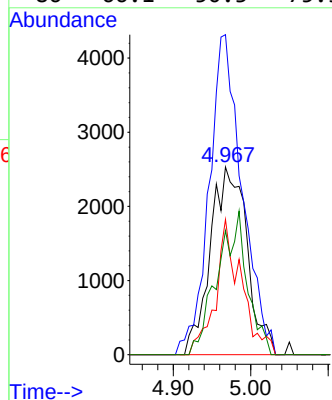
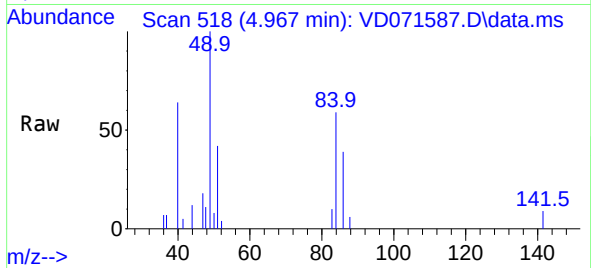




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

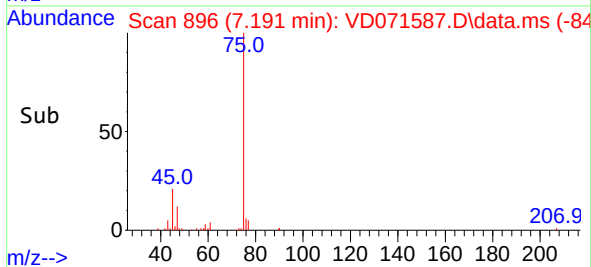
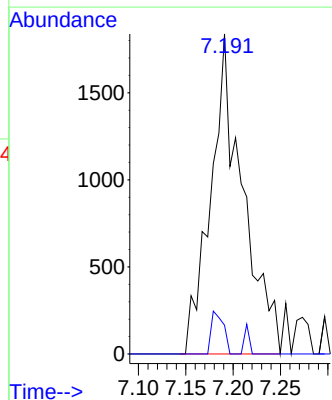
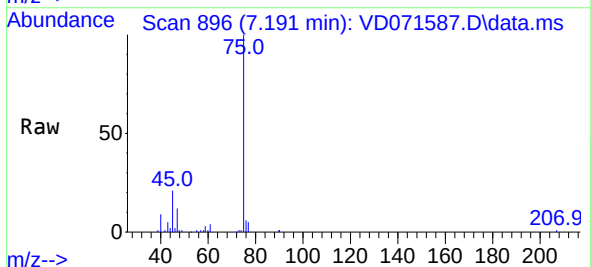
Instrument :
MSVOA_D
ClientSampleId :

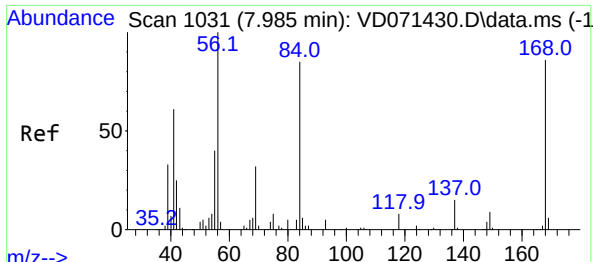
Tgt Ion:	84	Resp:	8347
Ion	Ratio	Lower	Upper
84	100		
49	170.5	95.8	143.6#
51	72.0	30.9	46.3#
86	66.1	50.3	75.5



#25
2-Butanone
Concen: 4.720 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

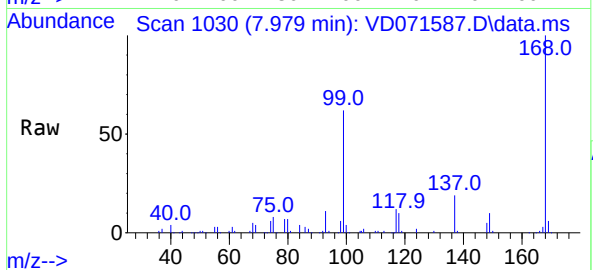
Tgt Ion:	43	Resp:	4325
Ion	Ratio	Lower	Upper
43	100		
72	9.0	23.8	35.6#



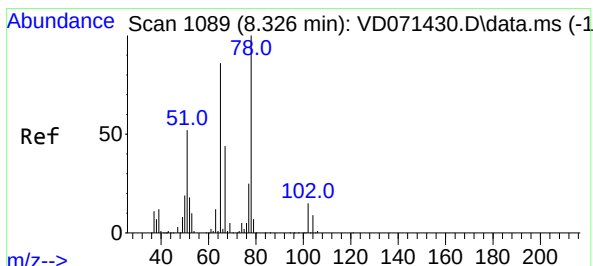
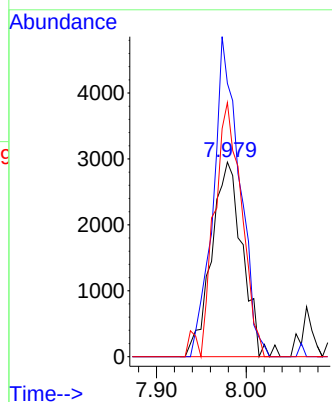
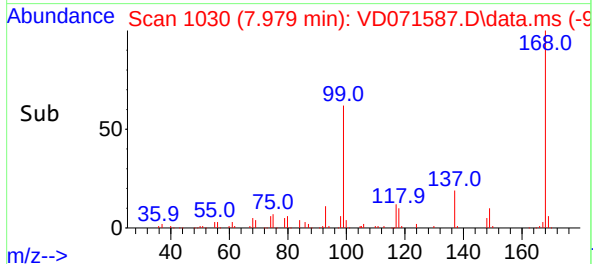


#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Instrument :
MSVOA_D
ClientSampleId :

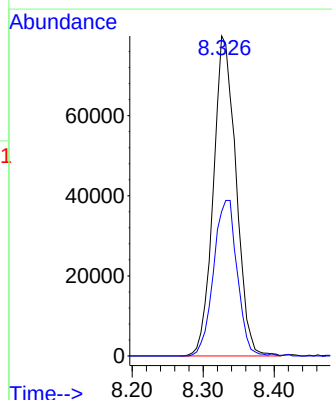
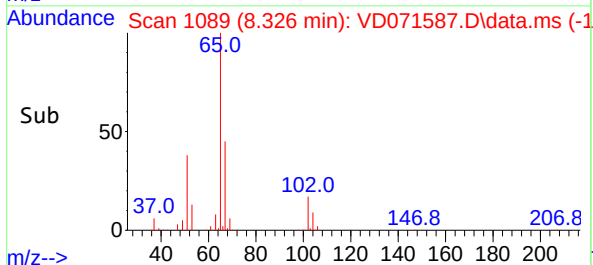
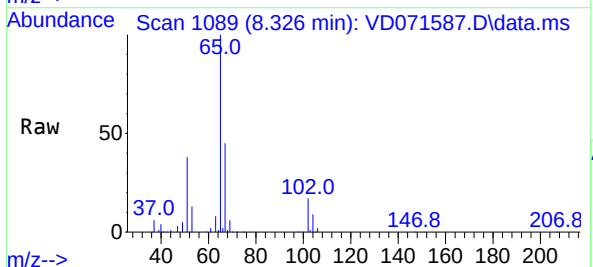


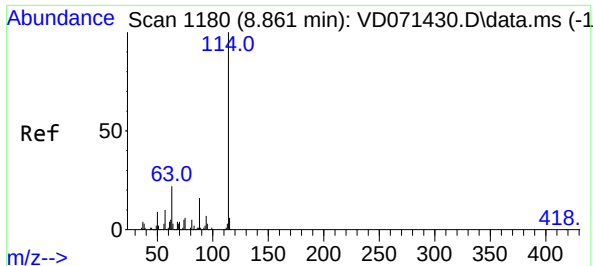
Tgt Ion: 56 Resp: 7043
Ion Ratio Lower Upper
56 100
69 140.5 25.9 38.9#
84 130.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 57.941 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Tgt Ion: 65 Resp: 176965
Ion Ratio Lower Upper
65 100
67 50.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071587.D

Acq: 04 Jan 2022 12:30

Instrument :

MSVOA_D

ClientSampleId :

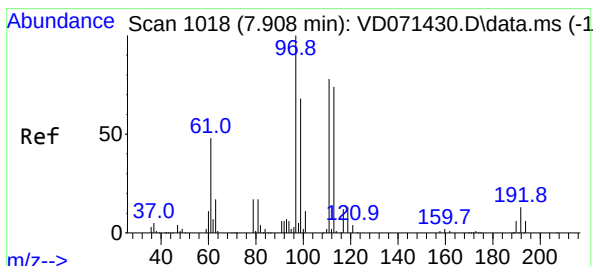
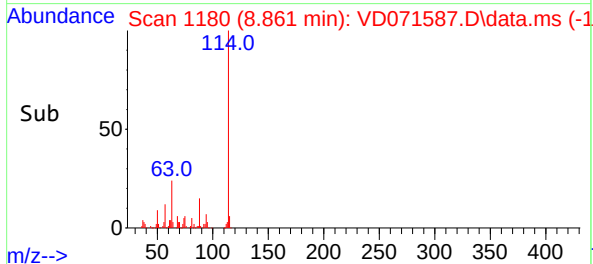
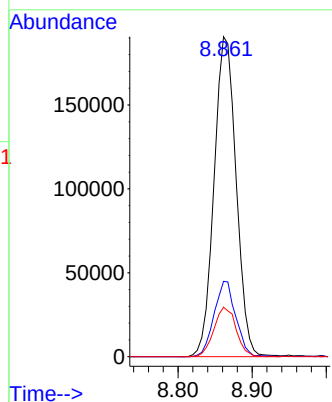
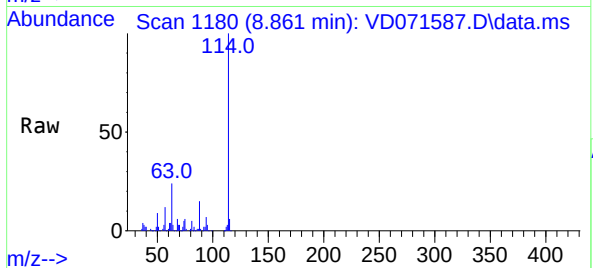
Tgt Ion:114 Resp: 395031

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.082 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071587.D

Acq: 04 Jan 2022 12:30

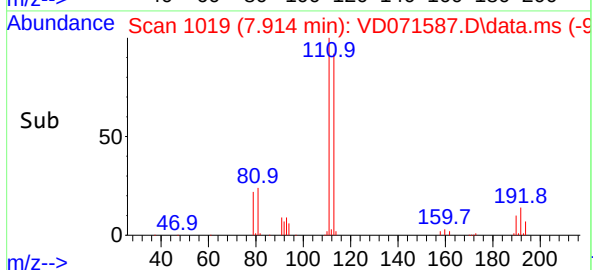
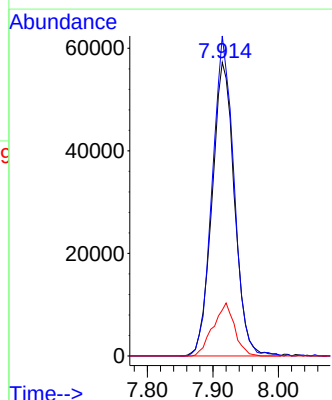
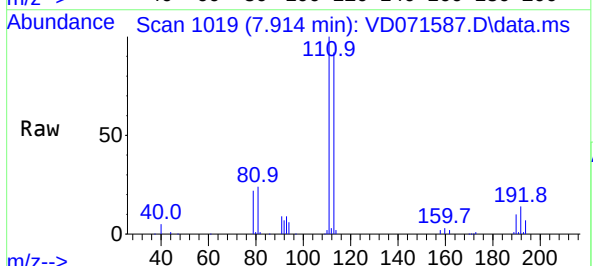
Tgt Ion:113 Resp: 135618

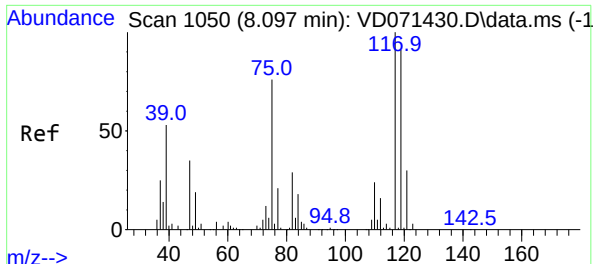
Ion Ratio Lower Upper

113 100

111 105.0 82.0 123.0

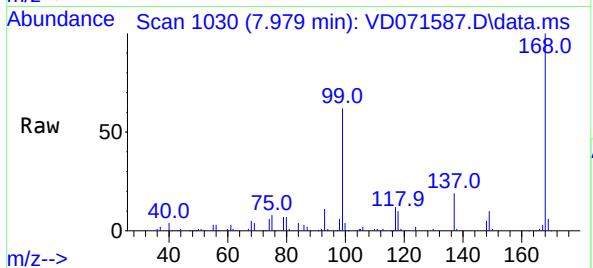
192 17.2 15.2 22.8



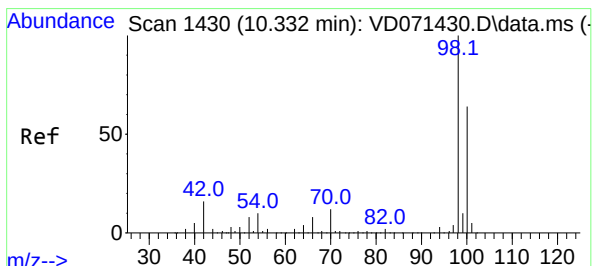
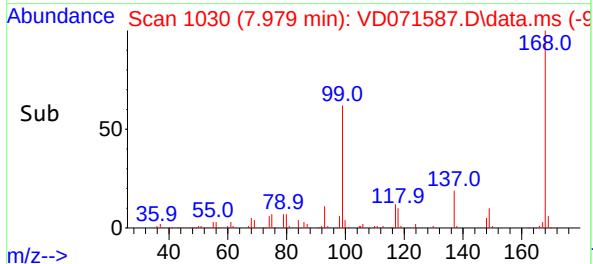
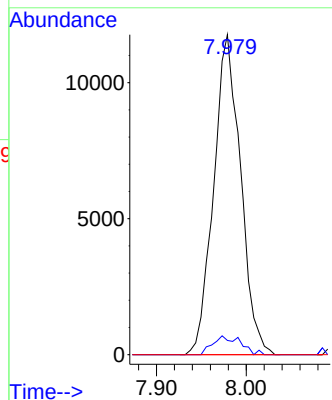


#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Instrument :
MSVOA_D
ClientSampleId :

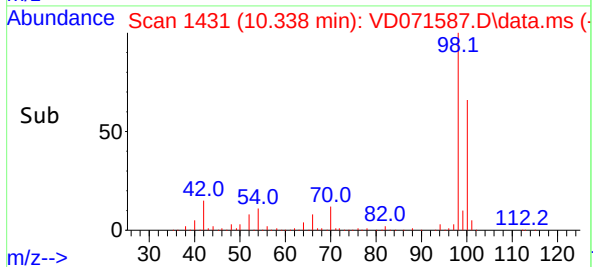
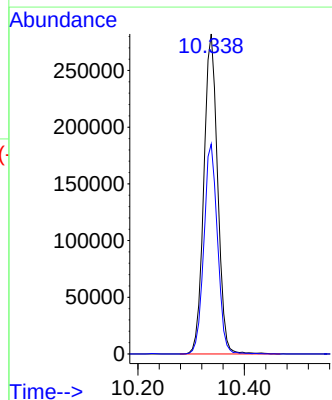
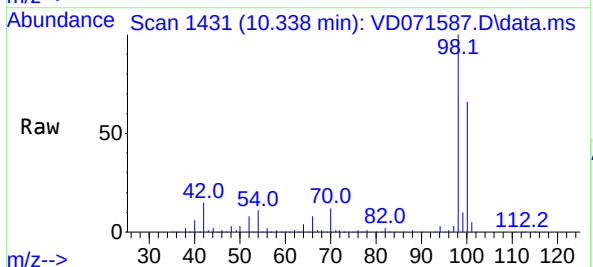


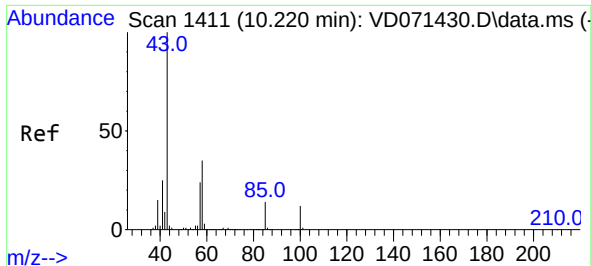
Tgt Ion:117 Resp: 24484
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 50.389 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Tgt Ion: 98 Resp: 50555
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6

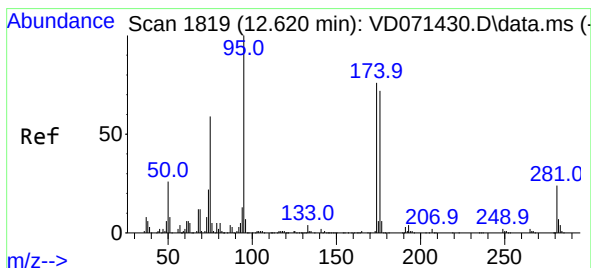
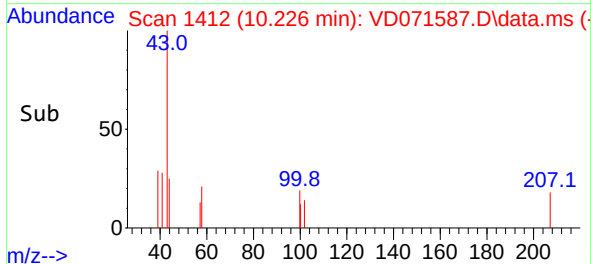
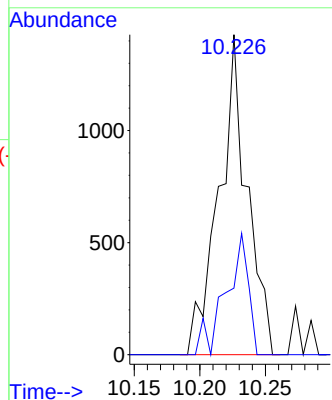
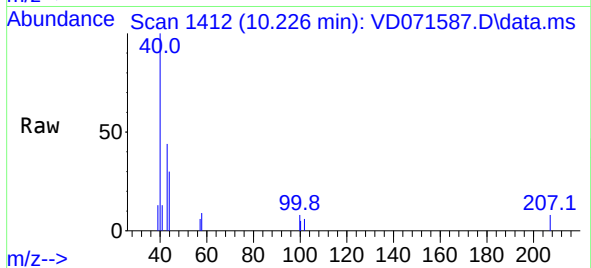




#51
4-Methyl-2-Pentanone
Concen: 1.042 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

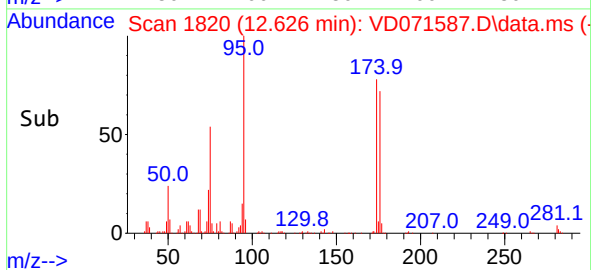
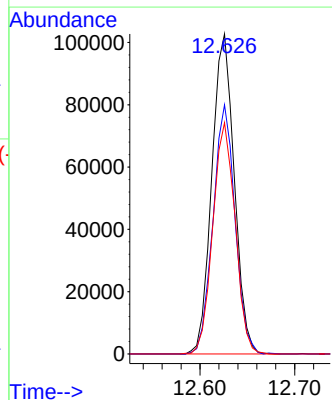
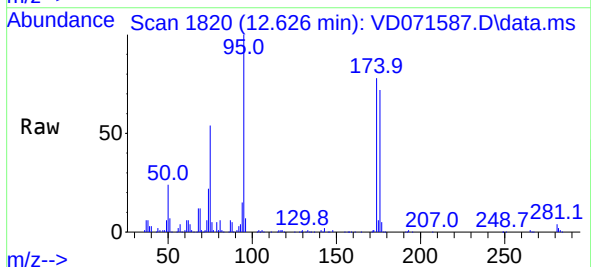
Instrument :
MSVOA_D
ClientSampleId :

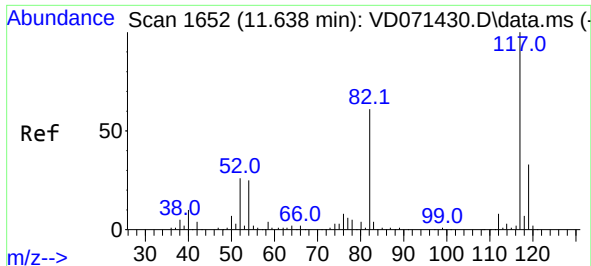
Tgt Ion: 43 Resp: 2131
Ion Ratio Lower Upper
43 100
58 30.3 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 47.306 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

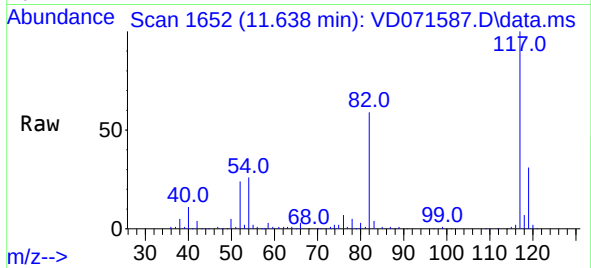
Tgt Ion: 95 Resp: 168655
Ion Ratio Lower Upper
95 100
174 76.5 0.0 159.4
176 72.1 0.0 154.0



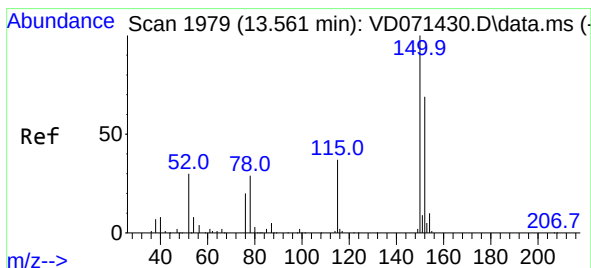
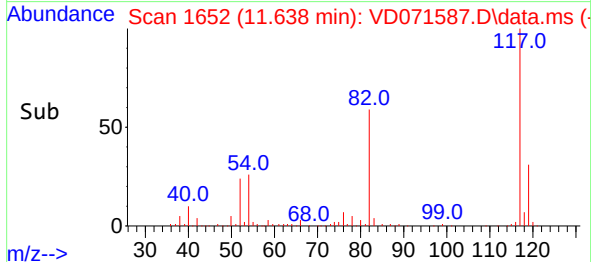
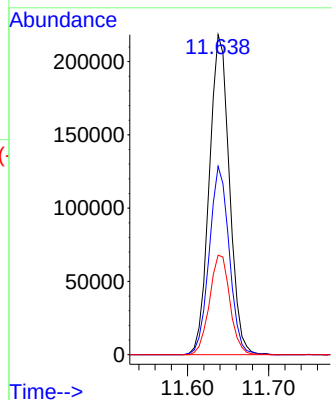


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Instrument :
MSVOA_D
ClientSampleId :

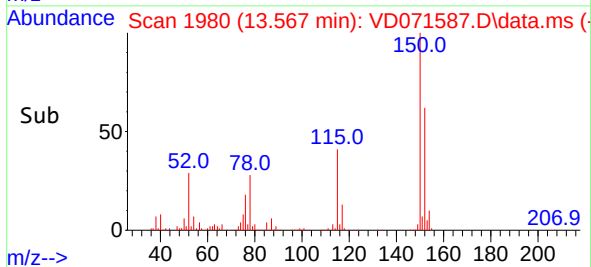
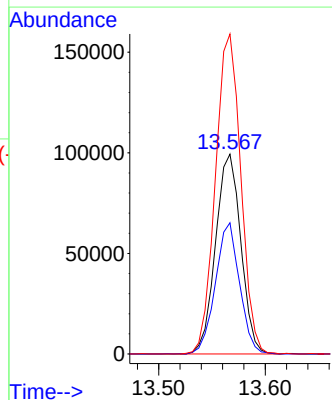
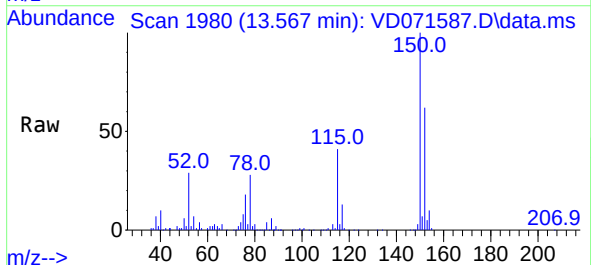


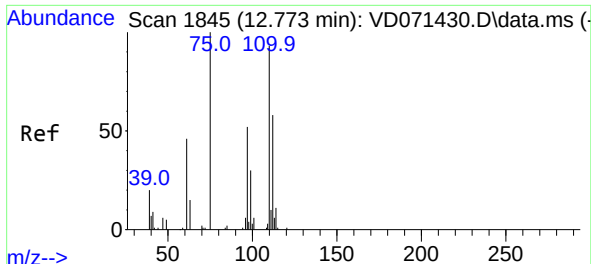
Tgt Ion:117 Resp: 375656
Ion Ratio Lower Upper
117 100
82 58.9 44.7 67.1
119 31.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Tgt Ion:152 Resp: 163844
Ion Ratio Lower Upper
152 100
115 62.7 29.8 89.3
150 160.8 0.0 349.2

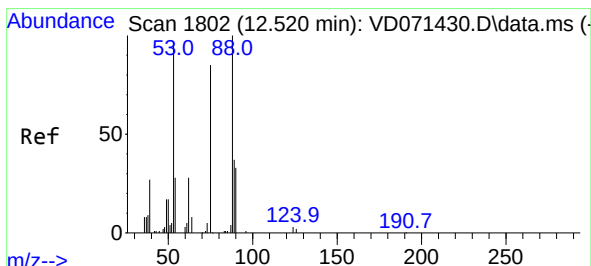
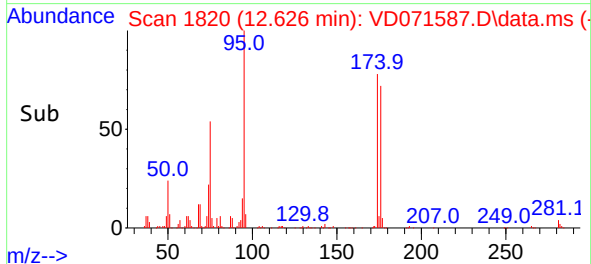
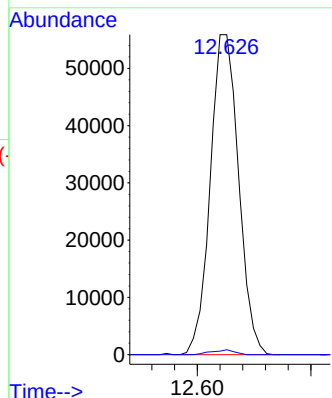
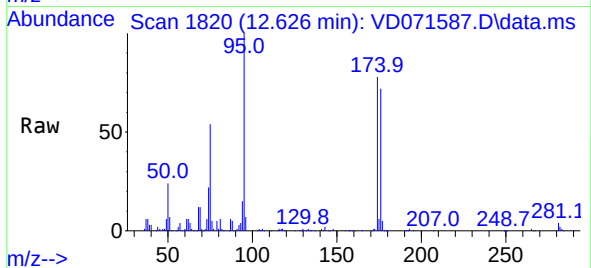




#76
1,2,3-Trichloropropane
Concen: 49.731 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 96814
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.516 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071587.D
Acq: 04 Jan 2022 12:30

Tgt Ion: 75 Resp: 96814
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#

