

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
 Data File : VD071442.D
 Acq On : 23 Dec 2021 14:53
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 24 03:31:10 2021
 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)

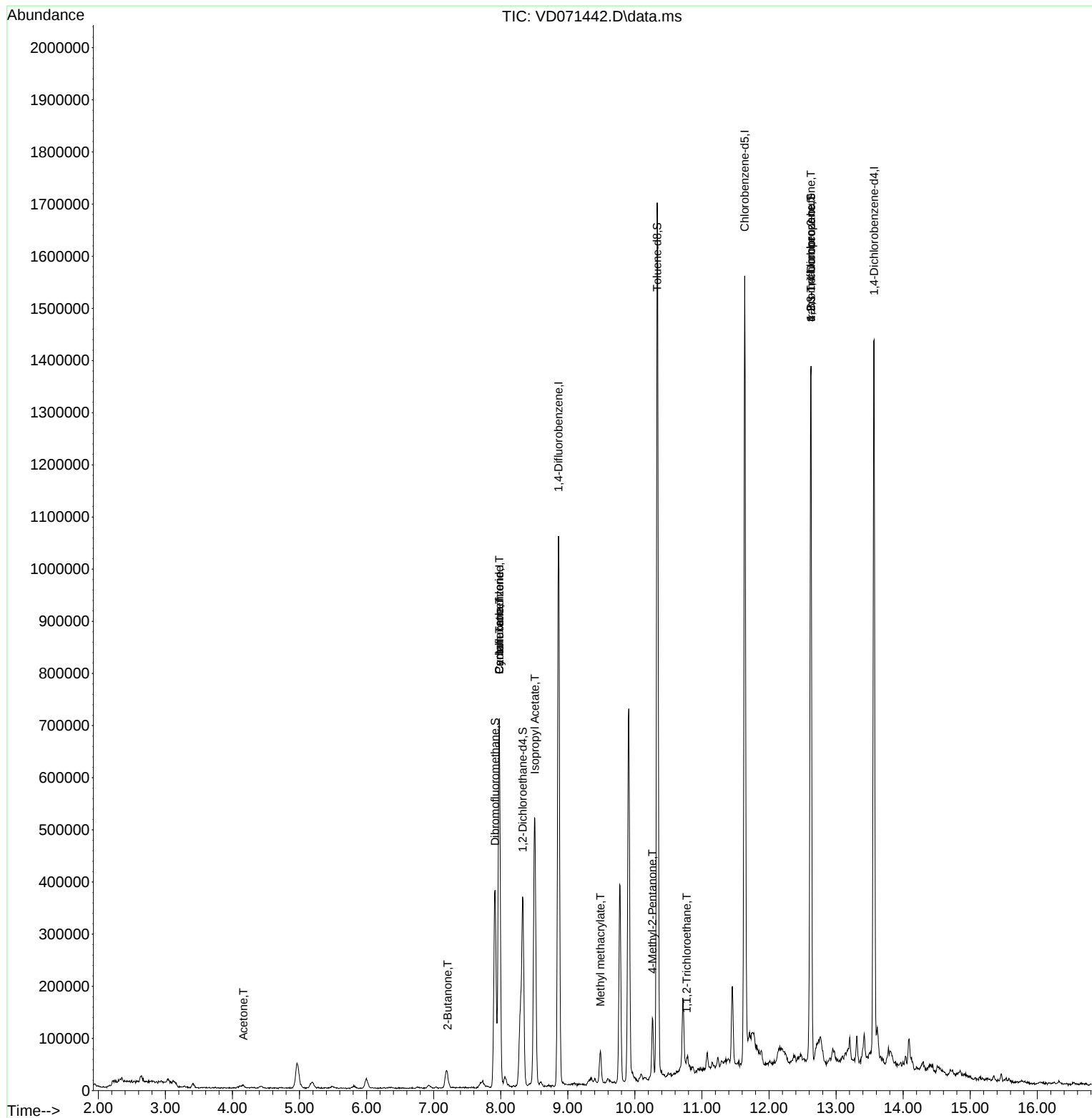
Internal Standards						
1) Pentafluorobenzene	7.979	168	489565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	865451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	771257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	343255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	283887	43.663	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.320%
35) Dibromofluoromethane	7.914	113	271841	46.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.480%
50) Toluene-d8	10.332	98	1093745	49.759	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.626	95	351393	44.988	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.179	59	11495	Below Cal	#	75
16) Acetone	4.162	43	6125	3.750	ug/l #	59
20) Methylene Chloride	4.968	84	32941	Below Cal		96
25) 2-Butanone	7.209	43	4838	2.480	ug/l #	45
31) Cyclohexane	7.979	56	15993	1.448	ug/l #	13
38) Carbon Tetrachloride	7.979	117	54227	5.915	ug/l #	16
43) Isopropyl Acetate	8.509	43	109372	12.846	ug/l #	47
48) Methyl methacrylate	9.485	41	19290	4.579	ug/l #	40
51) 4-Methyl-2-Pentanone	10.261	43	18249	4.074	ug/l #	68
55) 1,1,2-Trichloroethane	10.773	97	6386	1.405	ug/l #	26
76) 1,2,3-Trichloropropane	12.626	75	207610	50.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	207610	143.830	ug/l #	18

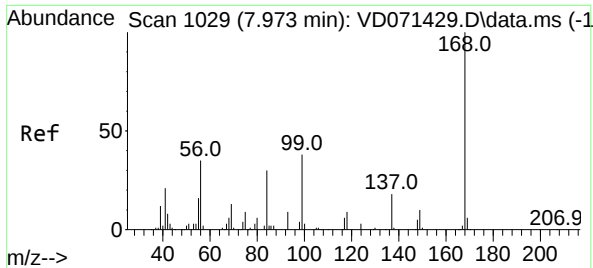
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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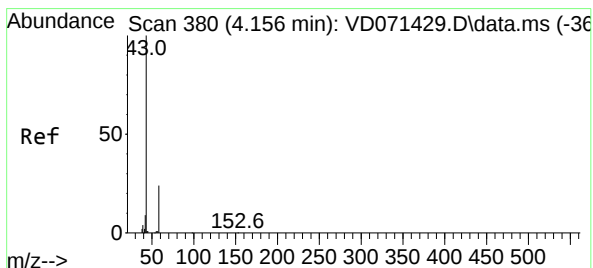
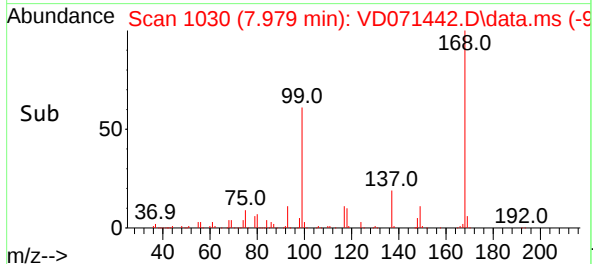
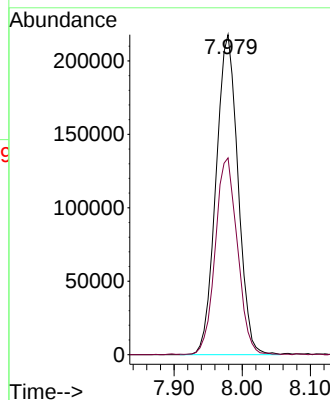
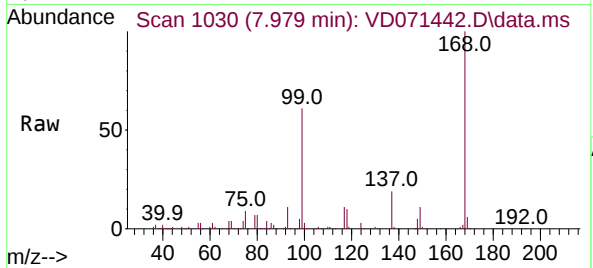




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

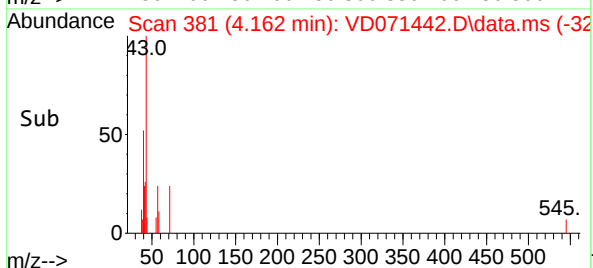
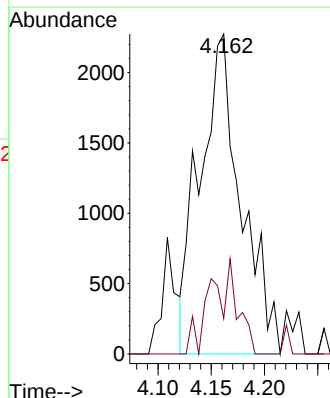
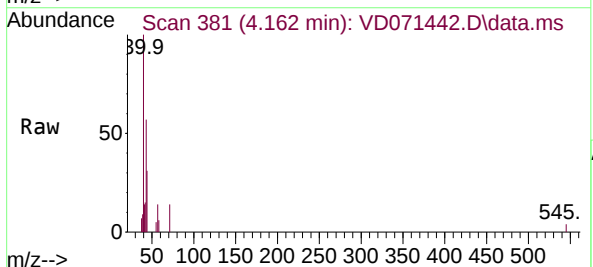
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

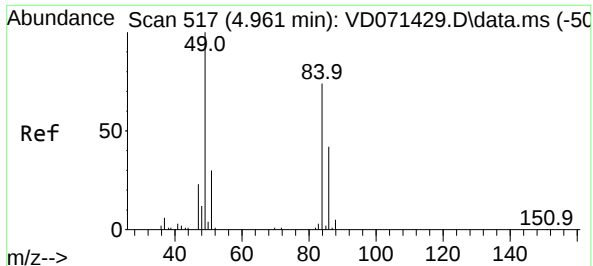
Tgt Ion:168 Resp: 489565
Ion Ratio Lower Upper
168 100
99 61.4 46.6 69.8



#16
Acetone
Concen: 3.750 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

Tgt Ion: 43 Resp: 6125
Ion Ratio Lower Upper
43 100
58 11.1 27.8 41.8#

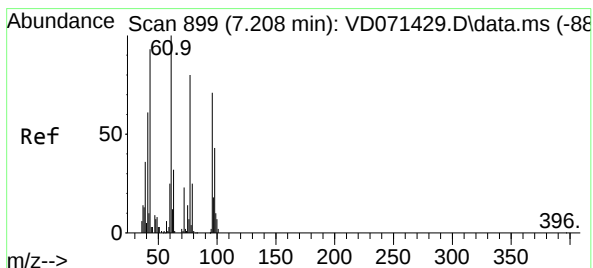
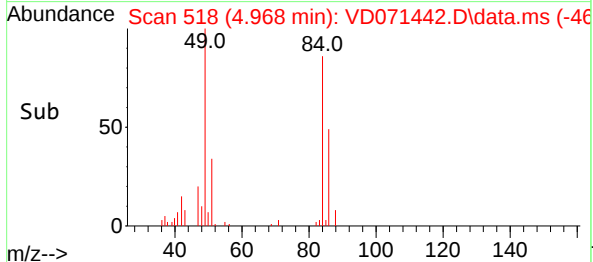
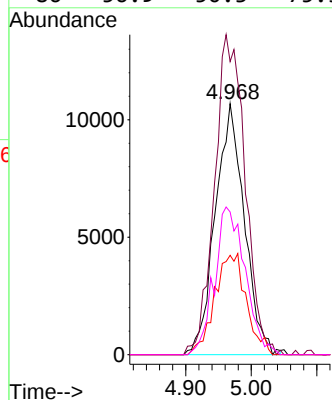
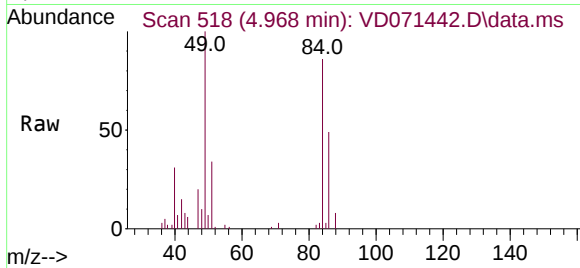




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 517
Delta R.T. 0.007 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

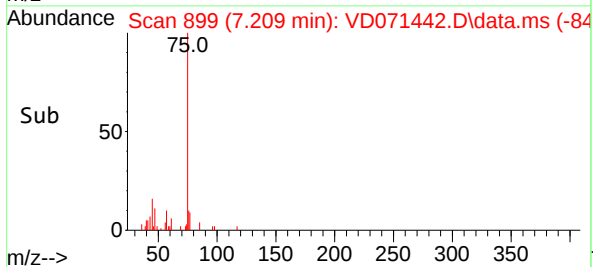
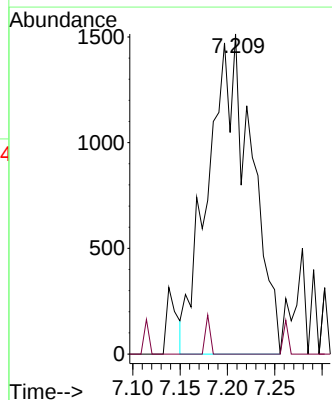
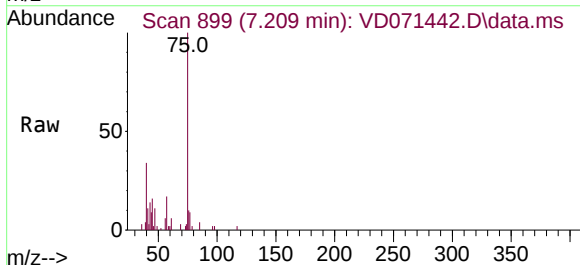
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

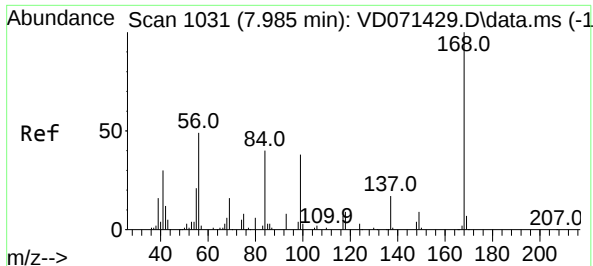
Tgt Ion:	84	Resp:	32941
Ion	Ratio	Lower	Upper
84	100		
49	116.8	95.8	143.6
51	39.6	30.9	46.3
86	56.9	50.3	75.5



#25
2-Butanone
Concen: 2.480 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

Tgt Ion:	43	Resp:	4838
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#31

Cyclohexane

Concen: 1.448 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071442.D

Acq: 23 Dec 2021 14:53

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

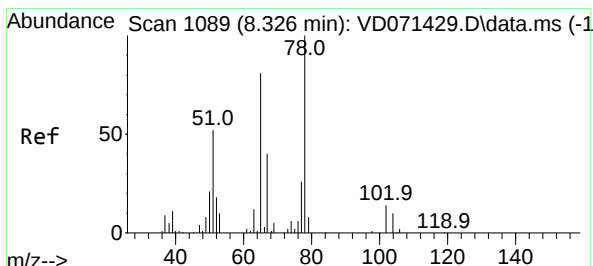
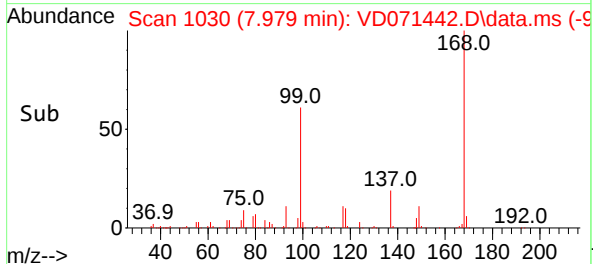
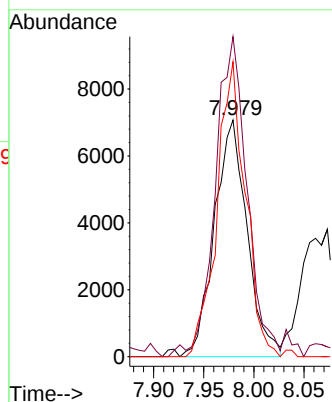
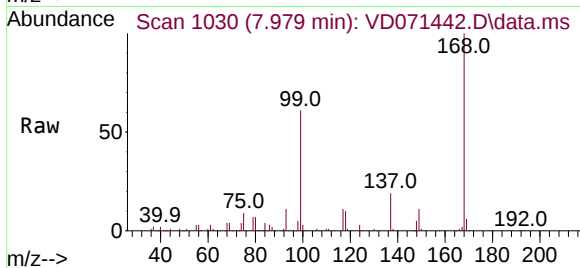
Tgt Ion: 56 Resp: 15993

Ion Ratio Lower Upper

56 100

69 132.7 25.9 38.9#

84 124.6 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 43.663 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071442.D

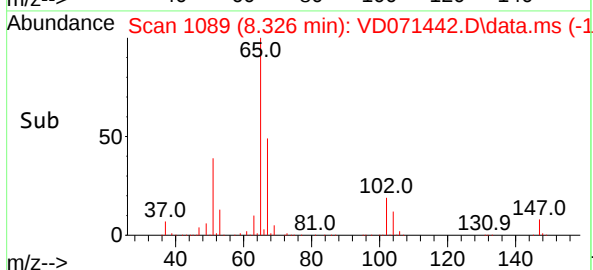
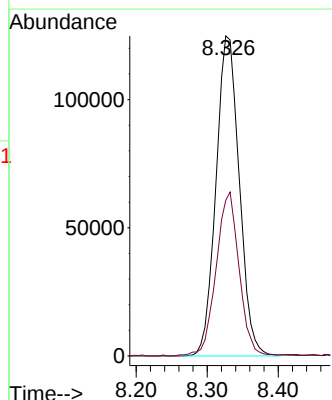
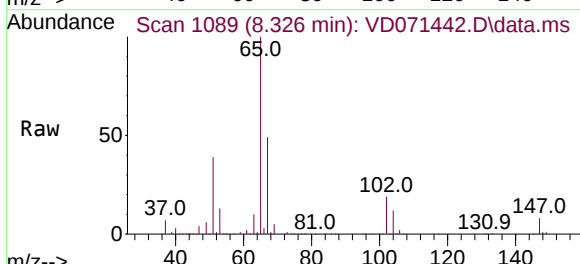
Acq: 23 Dec 2021 14:53

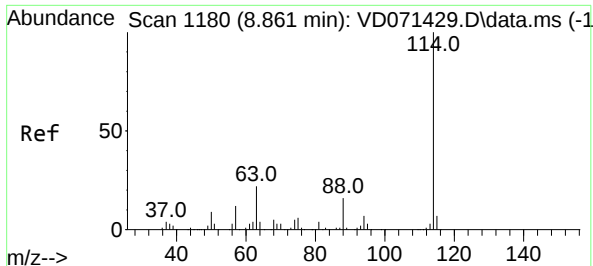
Tgt Ion: 65 Resp: 283887

Ion Ratio Lower Upper

65 100

67 50.7 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: VD071442.D

Acq: 23 Dec 2021 14:53

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

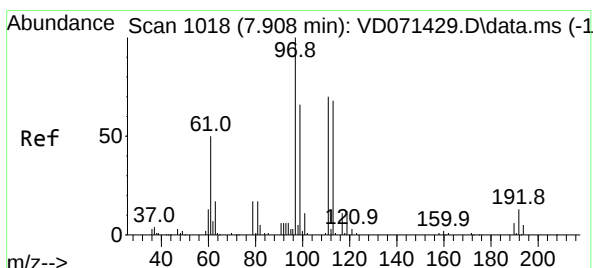
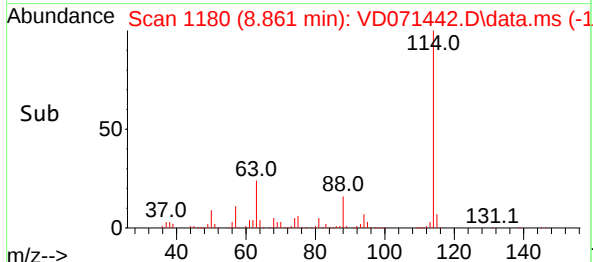
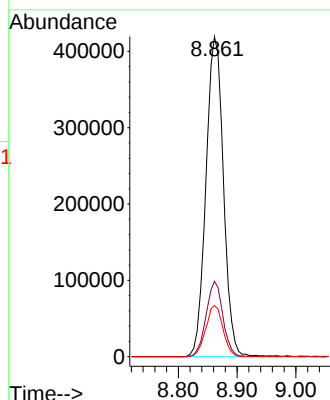
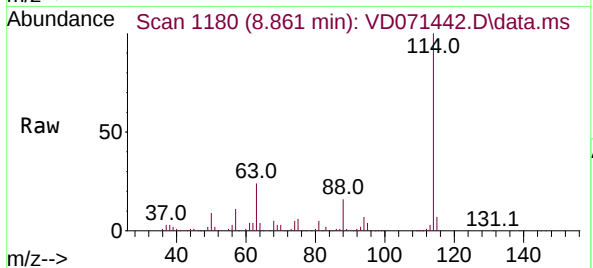
Tgt Ion:114 Resp: 865451

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.736 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071442.D

Acq: 23 Dec 2021 14:53

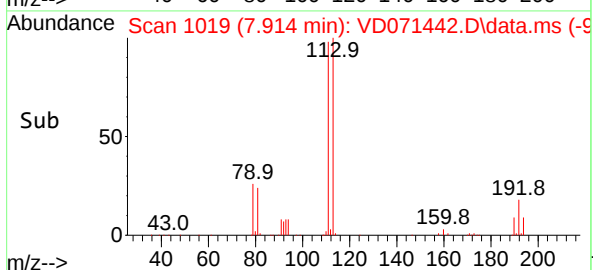
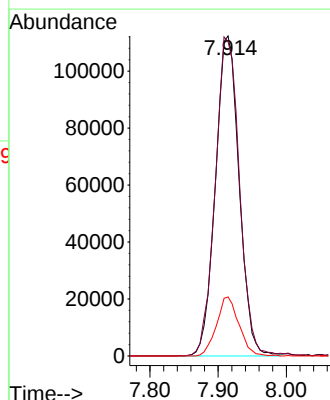
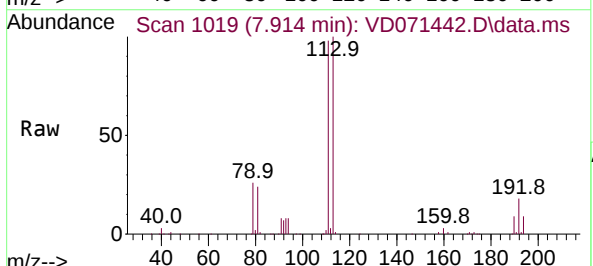
Tgt Ion:113 Resp: 271841

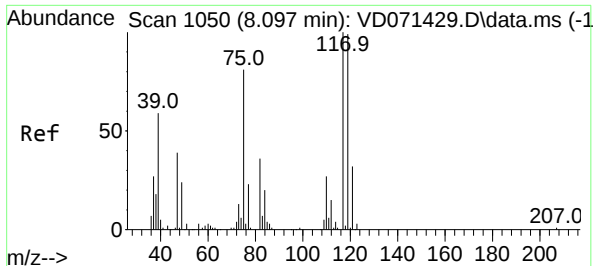
Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

192 17.5 15.2 22.8

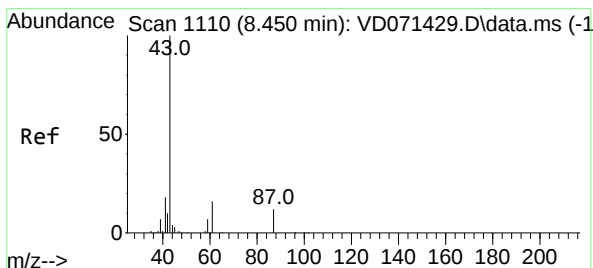
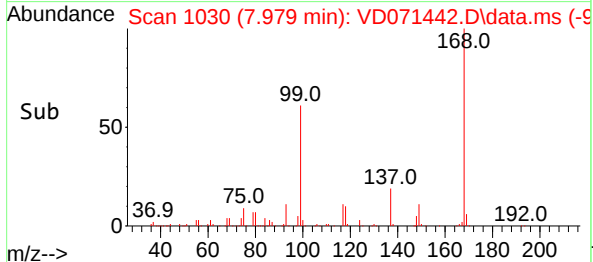
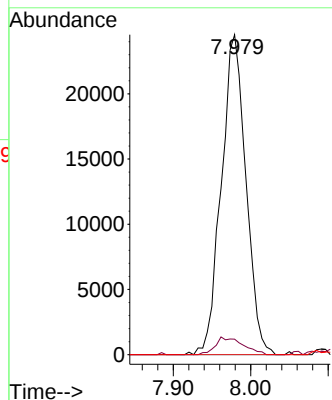
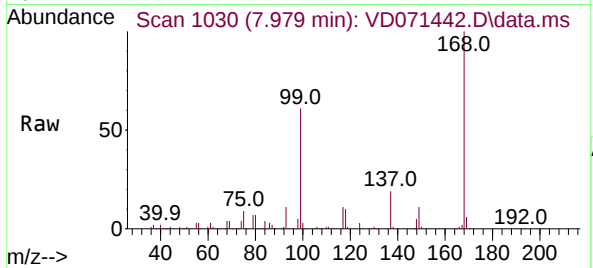




#38
Carbon Tetrachloride
Concen: 5.915 ug/l
RT: 7.979 min Scan# 110
Delta R.T. -0.118 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

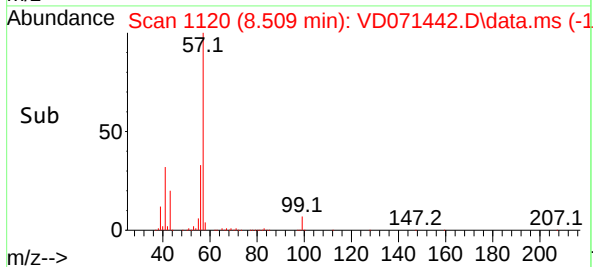
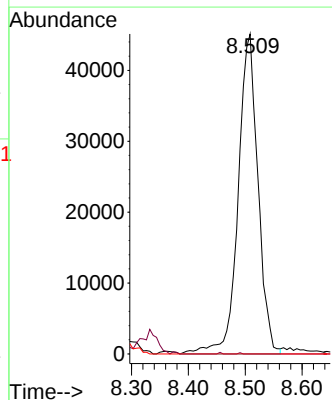
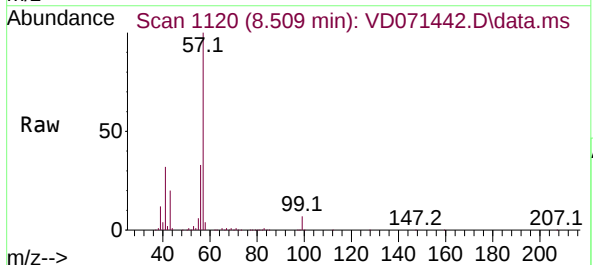
Instrument :
MSVOA_D
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VIBLK

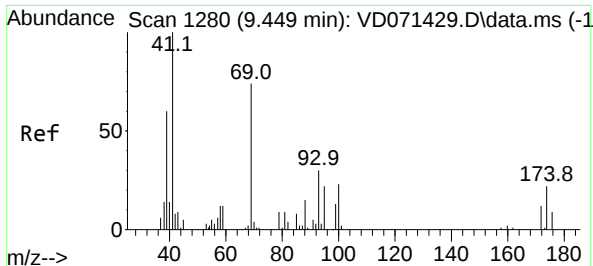
Tgt Ion:117 Resp: 54227
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 12.846 ug/l
RT: 8.509 min Scan# 1120
Delta R.T. 0.059 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

Tgt Ion: 43 Resp: 109372
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 4.579 ug/l

RT: 9.485 min Scan# 1286

Delta R.T. 0.036 min

Lab File: VD071442.D

Acq: 23 Dec 2021 14:53

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

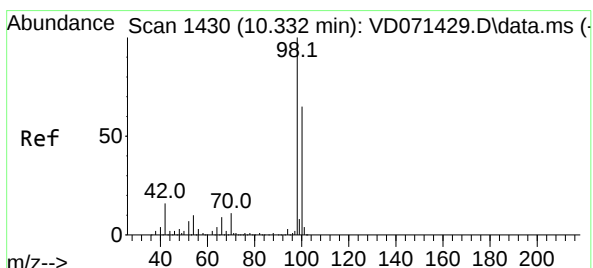
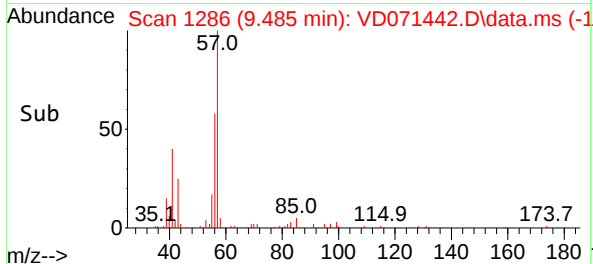
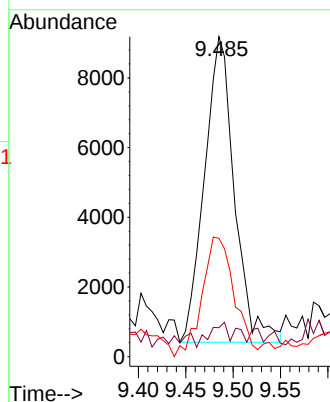
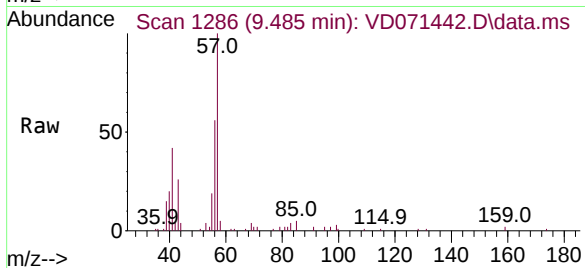
Tgt Ion: 41 Resp: 19290

Ion Ratio Lower Upper

41 100

69 4.8 69.8 104.6#

39 42.1 35.6 53.4



#50

Toluene-d8

Concen: 49.759 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD071442.D

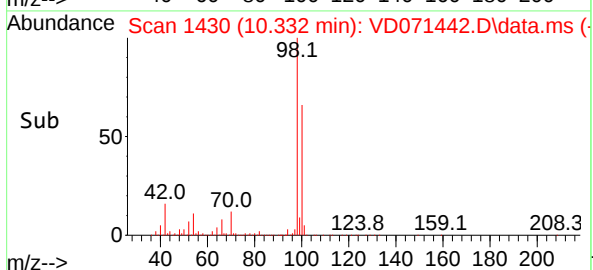
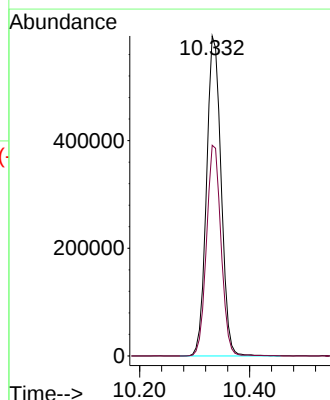
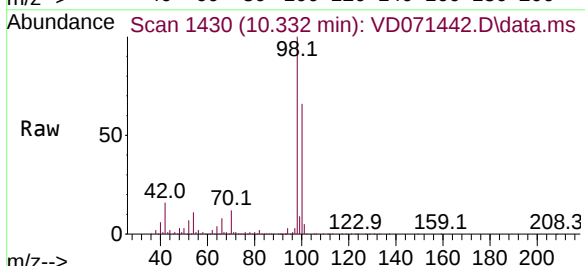
Acq: 23 Dec 2021 14:53

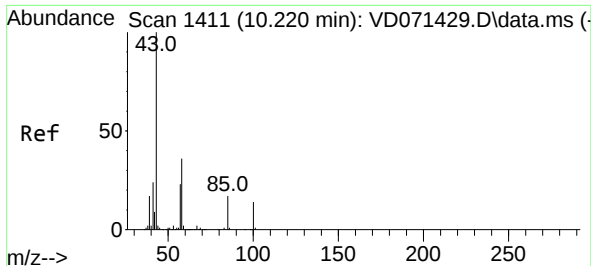
Tgt Ion: 98 Resp: 1093745

Ion Ratio Lower Upper

98 100

100 65.7 51.8 77.6

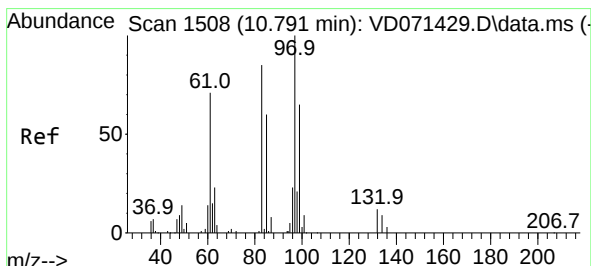
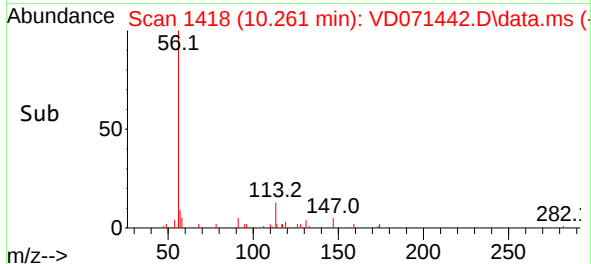
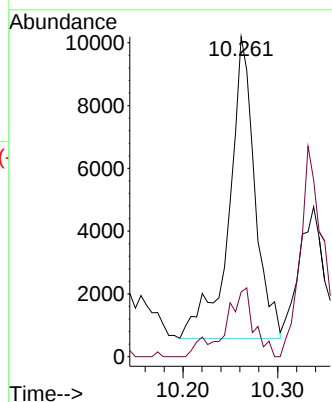
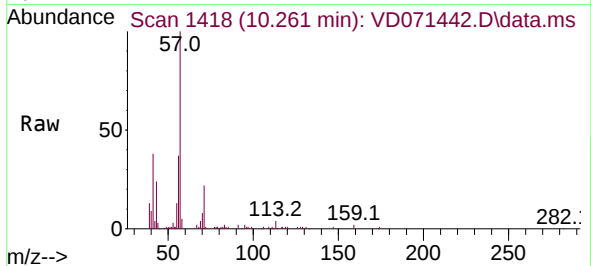




#51
4-Methyl-2-Pentanone
Concen: 4.074 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.041 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

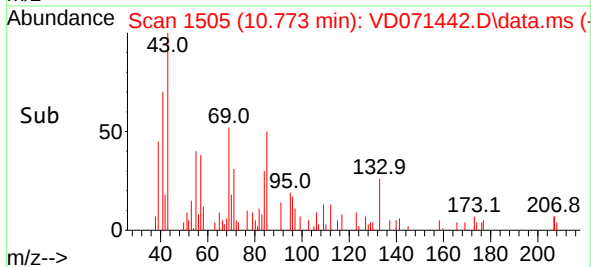
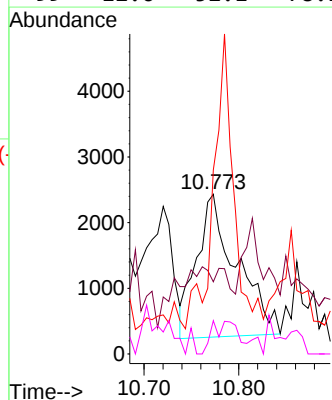
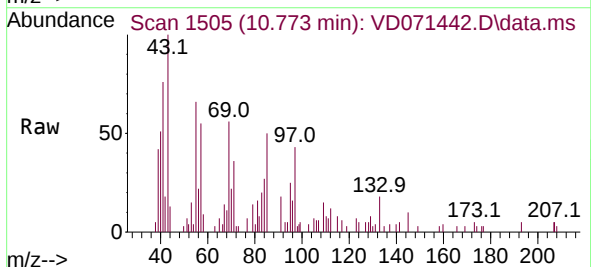
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

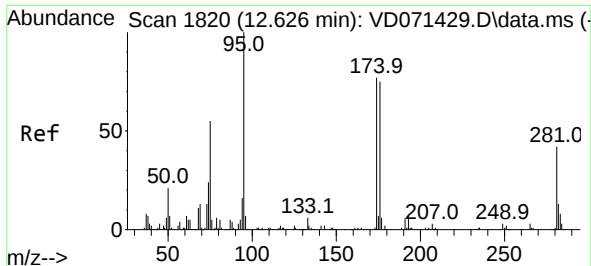
Tgt Ion: 43 Resp: 18249
Ion Ratio Lower Upper
43 100
58 21.4 33.1 49.7#



#55
1,1,2-Trichloroethane
Concen: 1.405 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

Tgt Ion: 97 Resp: 6386
Ion Ratio Lower Upper
97 100
83 9.6 65.2 97.8#
85 107.6 43.4 65.0#
99 12.6 52.1 78.1#

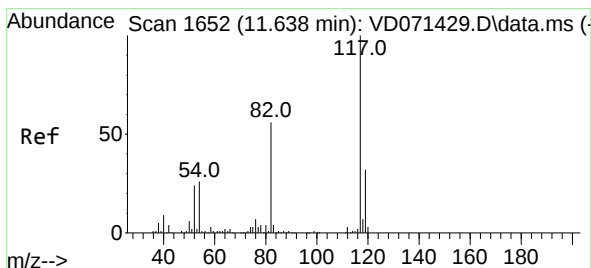
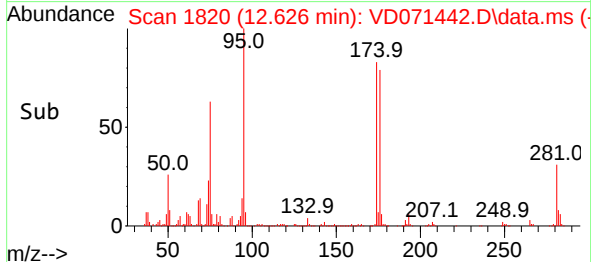
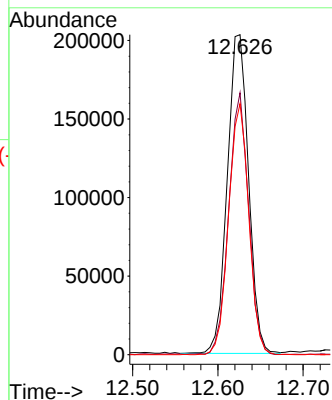
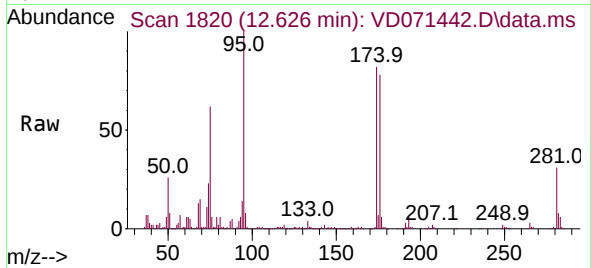




#62
4-Bromofluorobenzene
Concen: 44.988 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

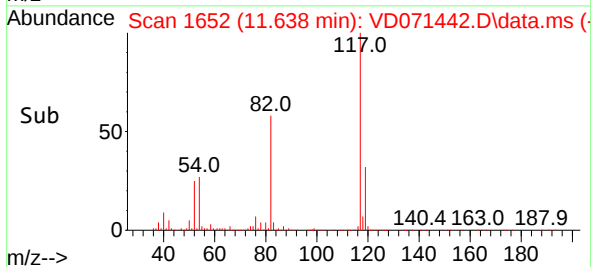
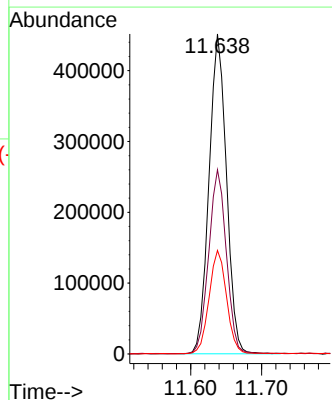
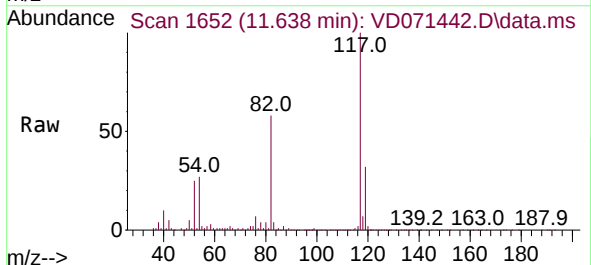
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

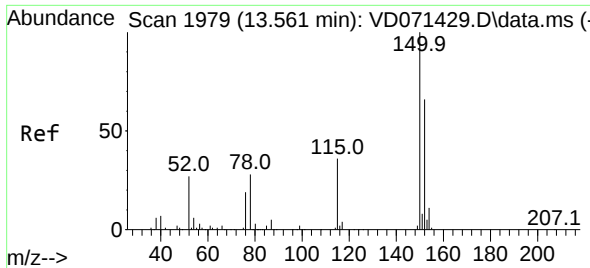
Tgt Ion: 95 Resp: 351393
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.4
176 74.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

Tgt Ion: 117 Resp: 771257
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 32.3 26.2 39.4

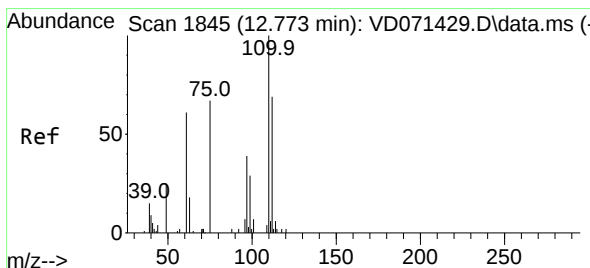
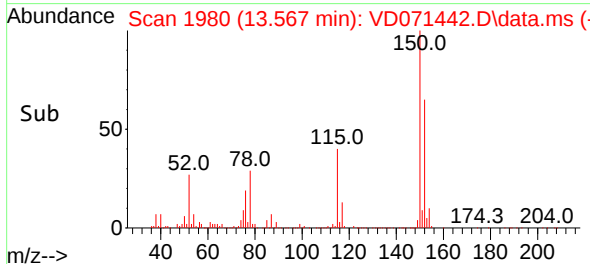
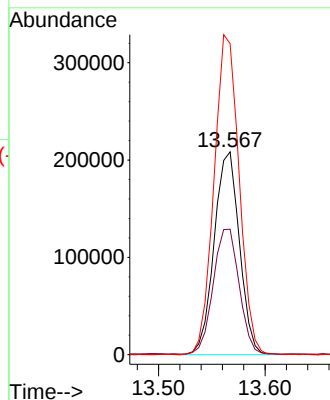
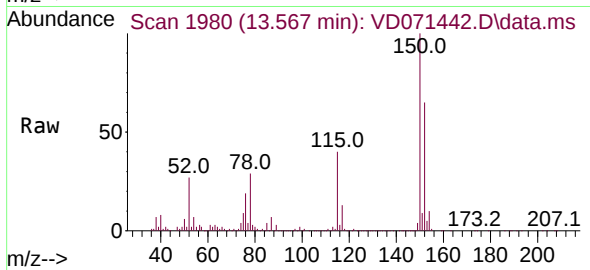




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

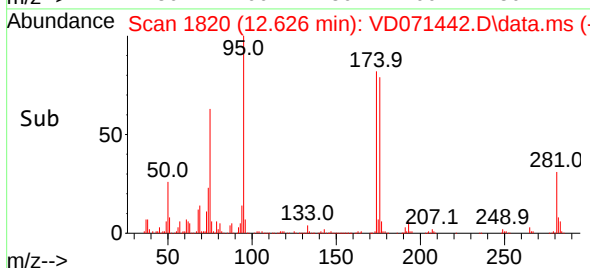
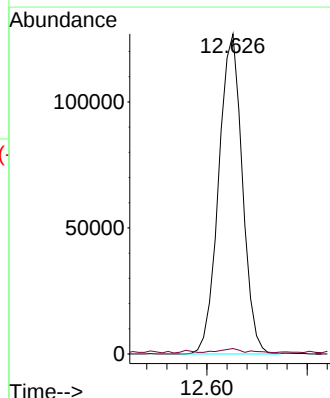
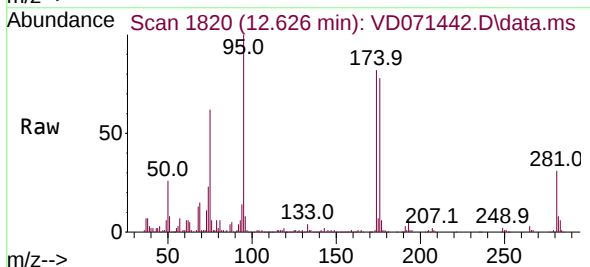
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

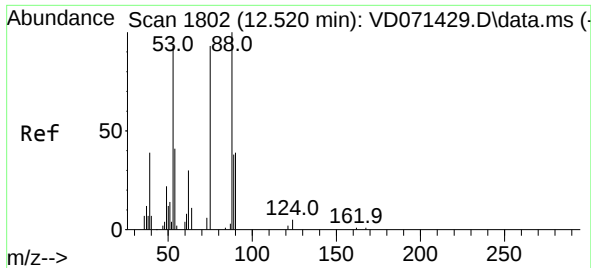
Tgt Ion:152 Resp: 343255
Ion Ratio Lower Upper
152 100
115 63.5 29.8 89.3
150 156.9 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 50.904 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071442.D
Acq: 23 Dec 2021 14:53

Tgt Ion: 75 Resp: 207610
Ion Ratio Lower Upper
75 100
77 0.9 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.830 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071442.D
 Acq: 23 Dec 2021 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 207610
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.0 34.5 51.7#

