

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072371.D
 Acq On : 22 Mar 2022 19:23
 Operator : VA/SY
 Sample : N2071-04
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PILE

Quant Time: Mar 23 01:15:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	394253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	668166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	748896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	356701	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188227	42.840	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.680%
35) Dibromofluoromethane	7.914	113	200832	42.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.420%
50) Toluene-d8	10.332	98	860466	50.048	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.620	95	379946	56.876	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.760%

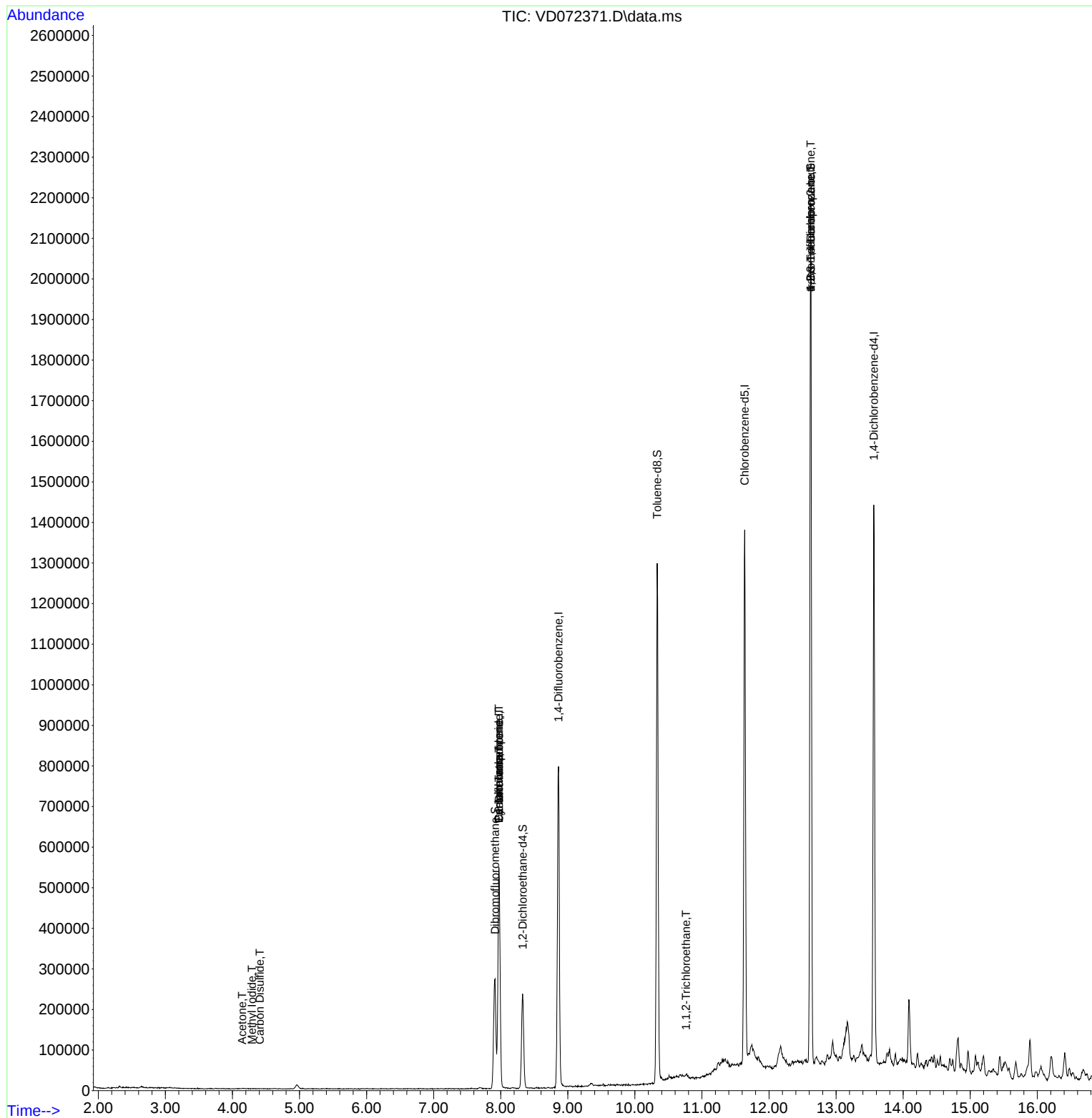
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	234	2.282	ug/l #	68
16) Acetone	4.144	43	1341	1.406	ug/l	90
17) Carbon Disulfide	4.409	76	1241	1.643	ug/l #	74
20) Methylene Chloride	4.962	84	6618	Below Cal		89
31) Cyclohexane	7.973	56	9849	1.435	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	34010	5.156	ug/l #	52
38) Carbon Tetrachloride	7.973	117	41693	5.561	ug/l #	18
55) 1,1,2-Trichloroethane	10.761	97	4014	1.038	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	201672	51.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	201672	127.167	ug/l #	8

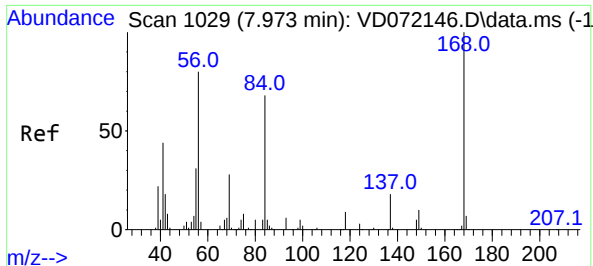
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Mar 23 01:15:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

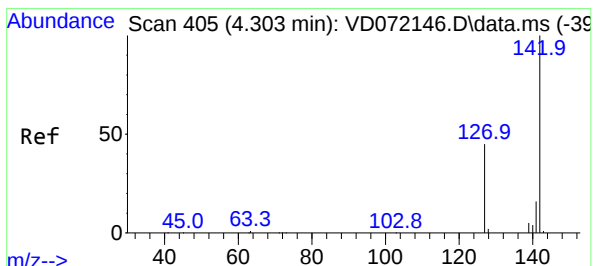
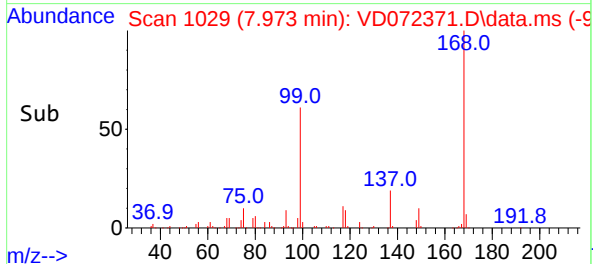
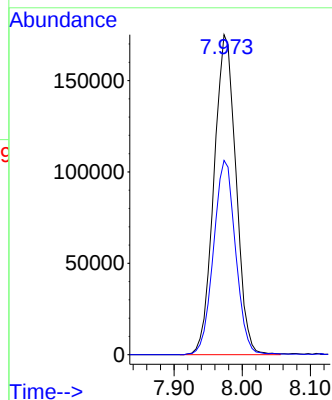
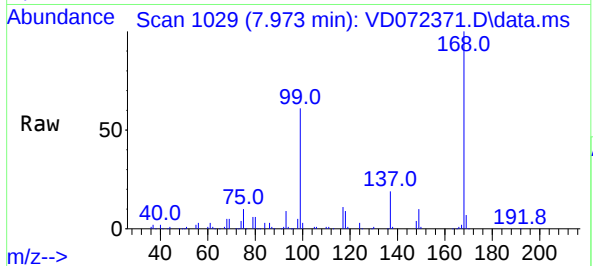




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

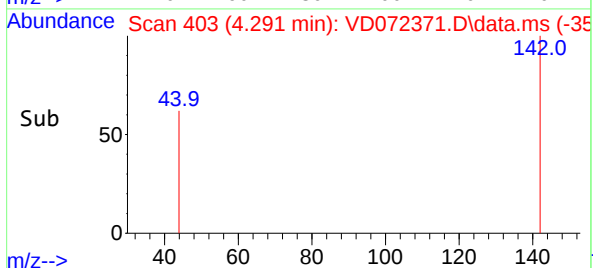
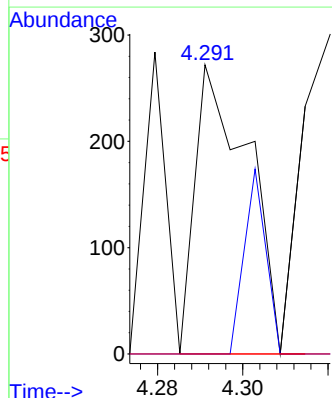
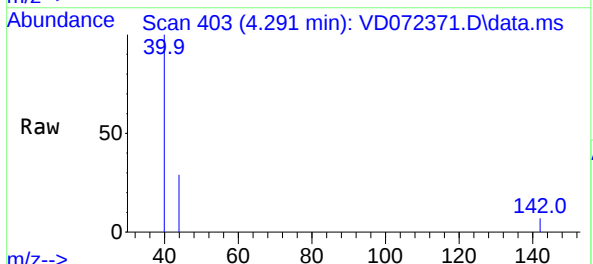
Instrument :
MSVOA_D
ClientSampleId :
PILE

Tgt Ion:168 Resp: 394253
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6



#10
Methyl Iodide
Concen: 2.282 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion:142 Resp: 234
Ion Ratio Lower Upper
142 100
127 26.1 37.3 55.9#
141 0.0 11.7 17.5#

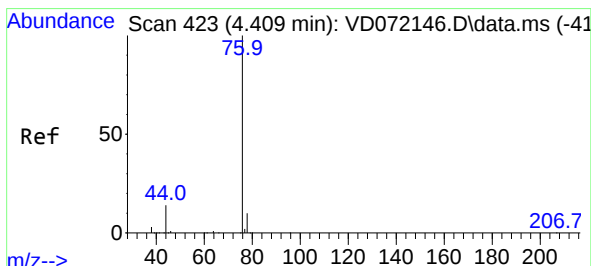
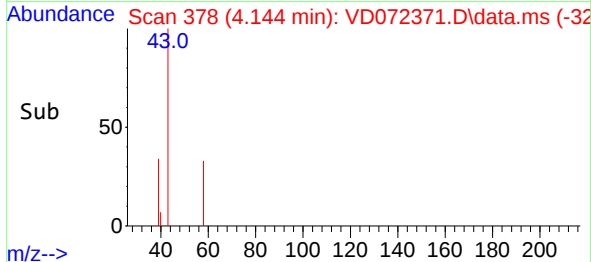
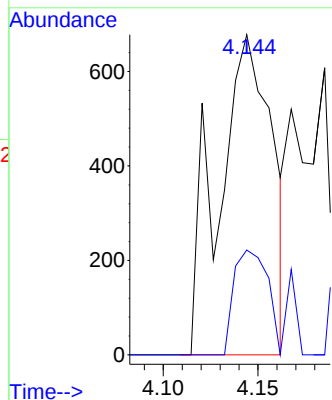
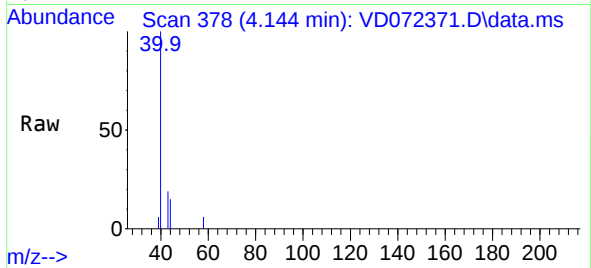




#16
Acetone
Concen: 1.406 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

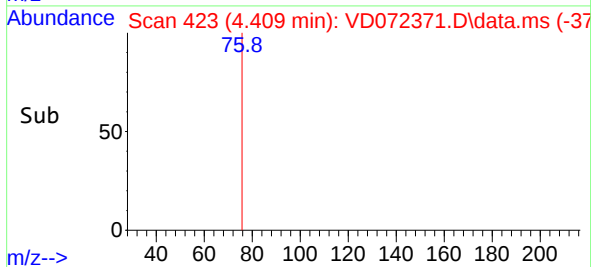
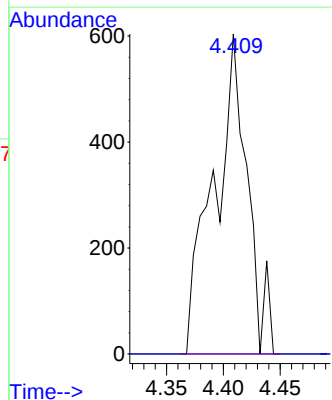
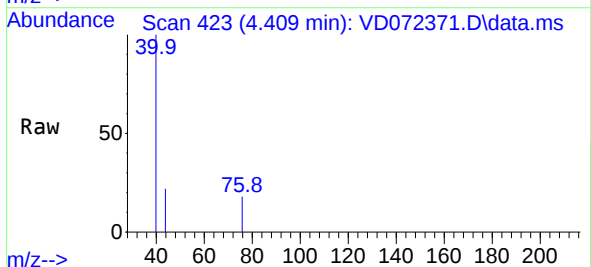
Instrument :
MSVOA_D
ClientSampleId :
PILE

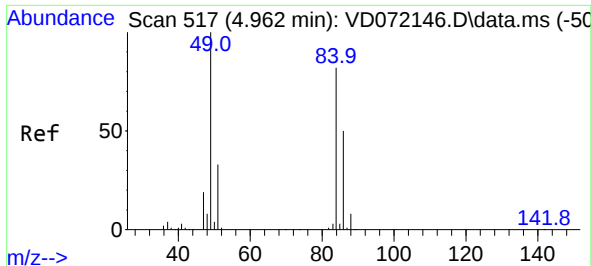
Tgt Ion: 43 Resp: 1341
Ion Ratio Lower Upper
43 100
58 32.7 22.1 33.1



#17
Carbon Disulfide
Concen: 1.643 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion: 76 Resp: 1241
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



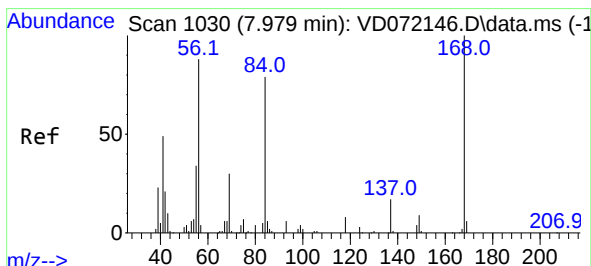
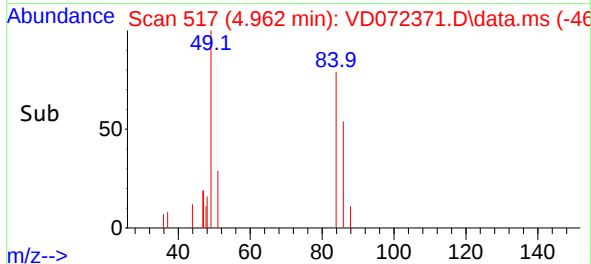
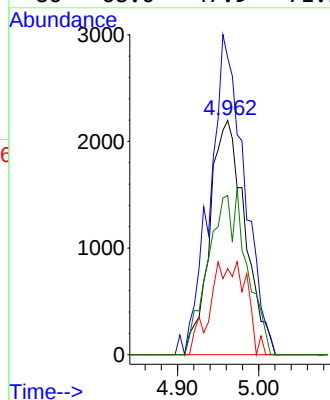
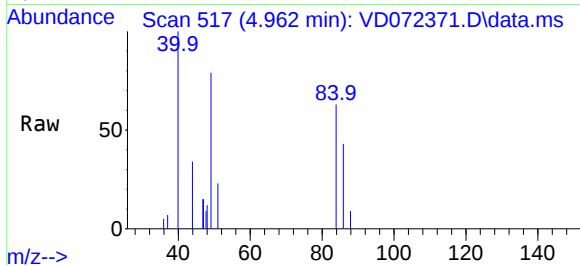


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Instrument :
MSVOA_D
ClientSampleId :
PILE

Tgt Ion: 84 Resp: 6618

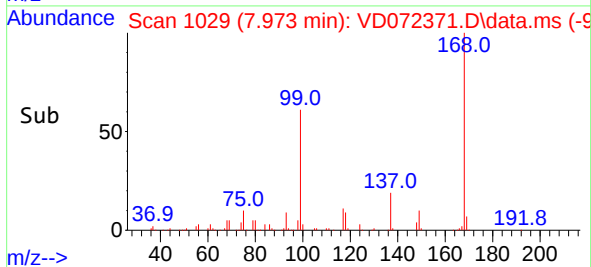
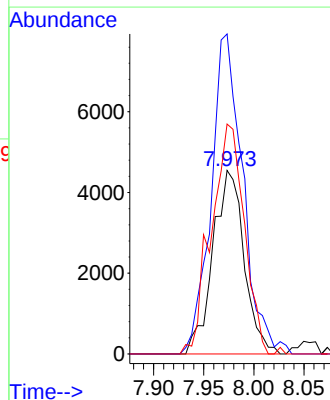
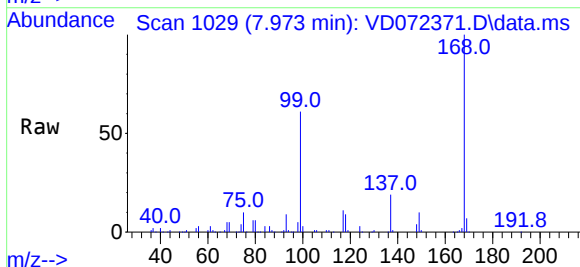
Ion	Ratio	Lower	Upper
84	100		
49	126.7	112.8	169.2
51	36.8	32.6	48.8
86	68.0	47.9	71.9

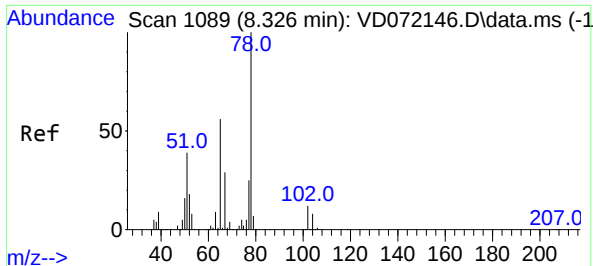


#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion: 56 Resp: 9849

Ion	Ratio	Lower	Upper
56	100		
69	174.4	25.4	38.2#
84	125.3	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 42.840 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072371.D

Acq: 22 Mar 2022 19:23

Instrument :

MSVOA_D

ClientSampleId :

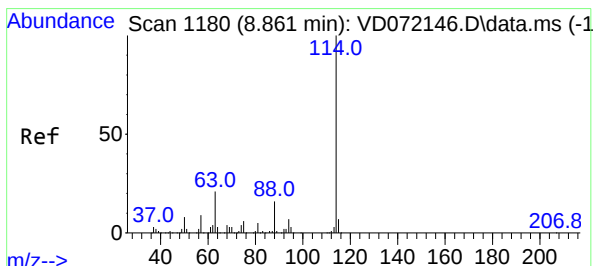
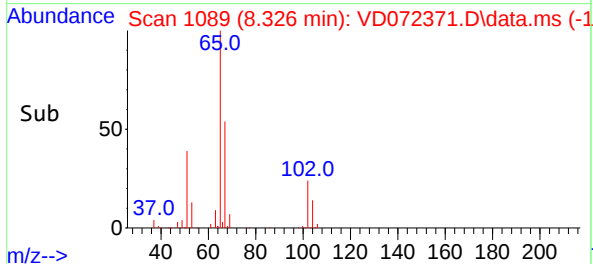
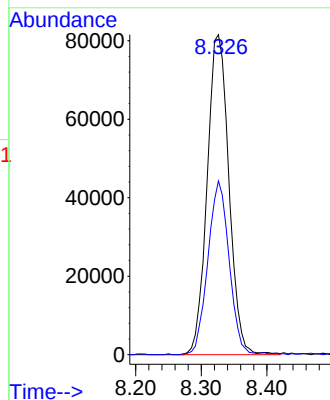
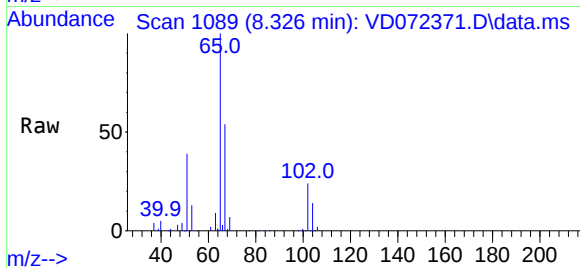
PILE

Tgt Ion: 65 Resp: 188227

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072371.D

Acq: 22 Mar 2022 19:23

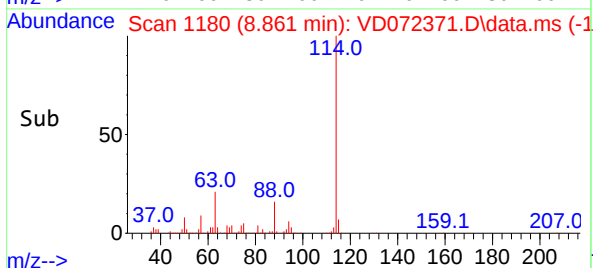
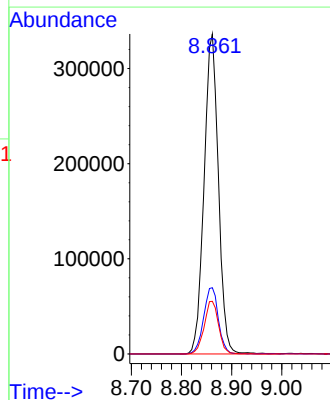
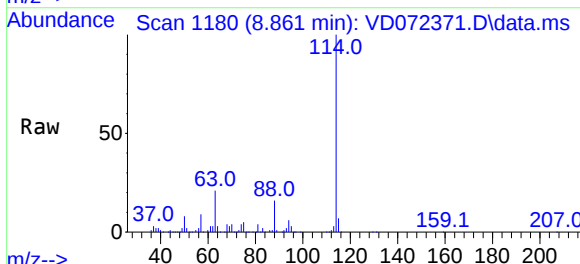
Tgt Ion: 114 Resp: 668166

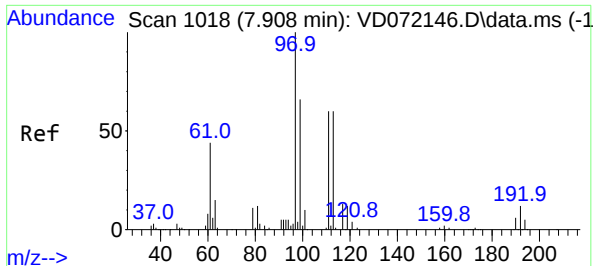
Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 16.5 0.0 33.2

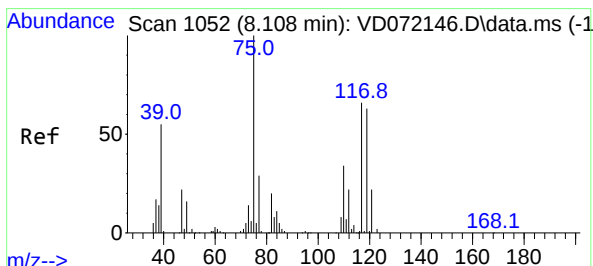
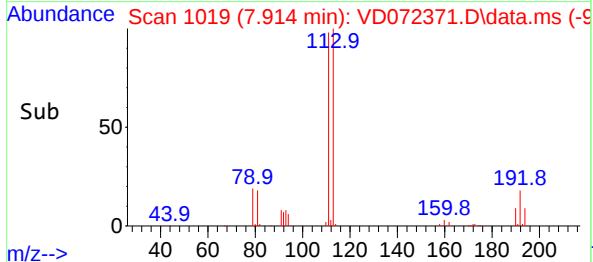
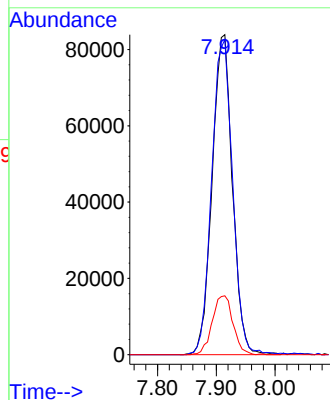
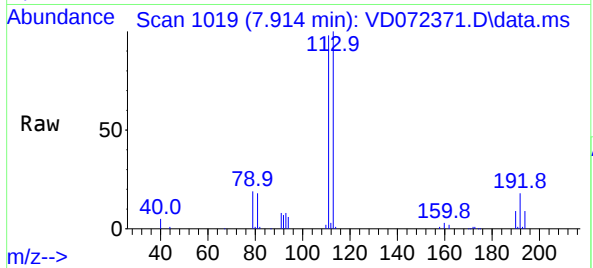




#35
Dibromofluoromethane
Concen: 42.713 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

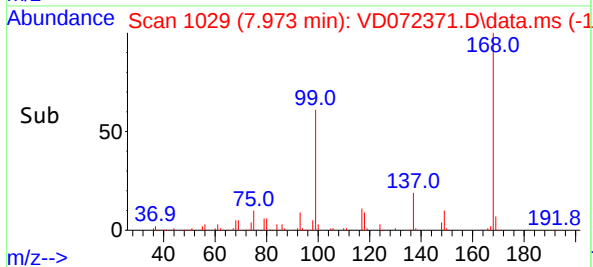
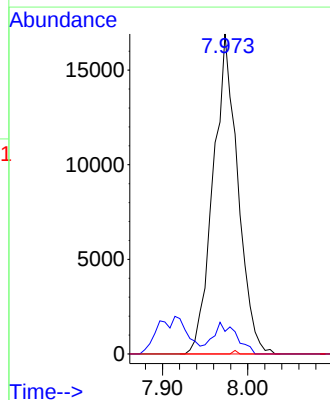
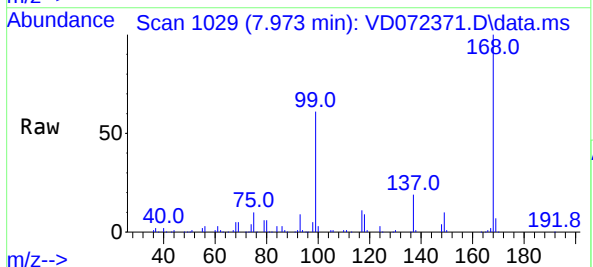
Instrument :
MSVOA_D
ClientSampleId :
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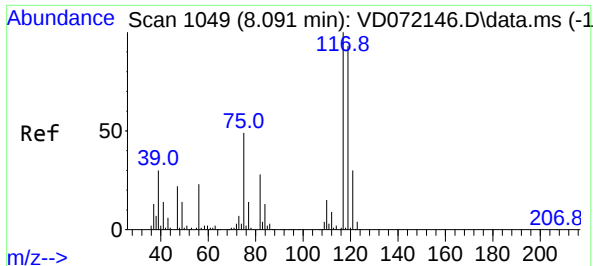
Tgt Ion:113 Resp: 200832
Ion Ratio Lower Upper
113 100
111 101.4 83.8 125.6
192 18.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.156 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion: 75 Resp: 34010
Ion Ratio Lower Upper
75 100
110 9.5 16.4 49.1#
77 0.2 24.2 36.2#

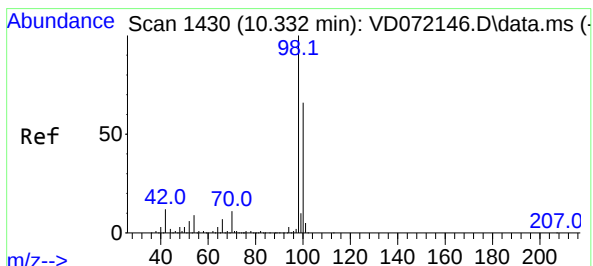
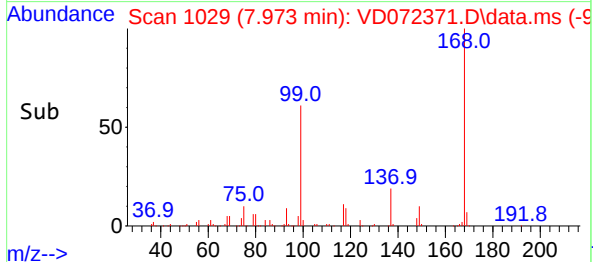
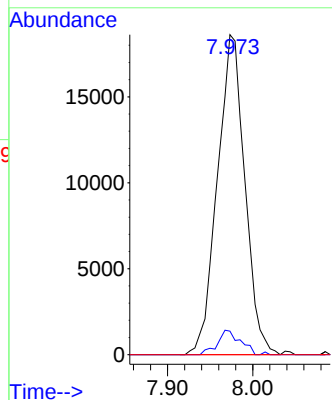
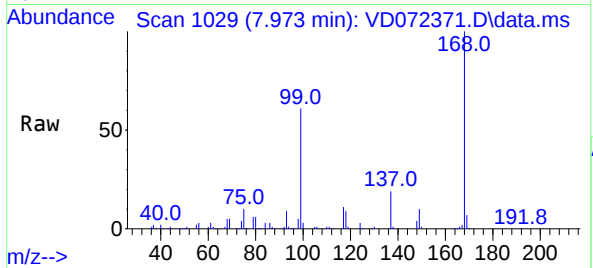




#38
Carbon Tetrachloride
Concen: 5.561 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

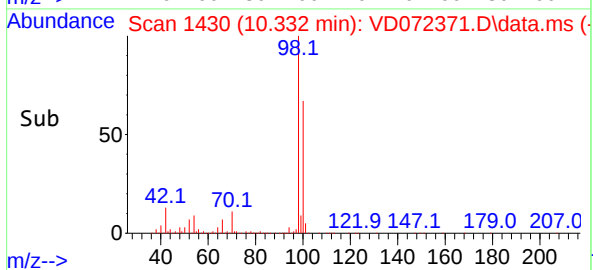
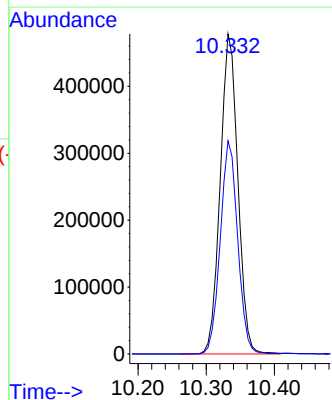
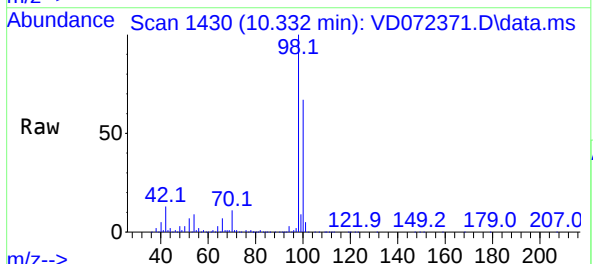
Instrument :
MSVOA_D
ClientSampleId :
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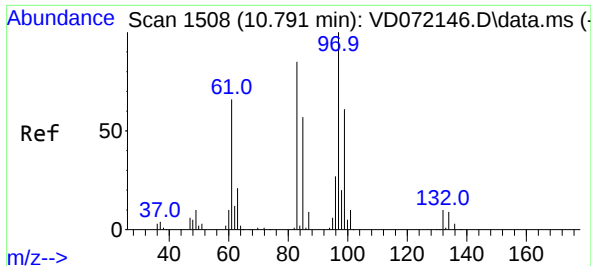
Tgt Ion:117 Resp: 41693
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.048 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion: 98 Resp: 860466
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



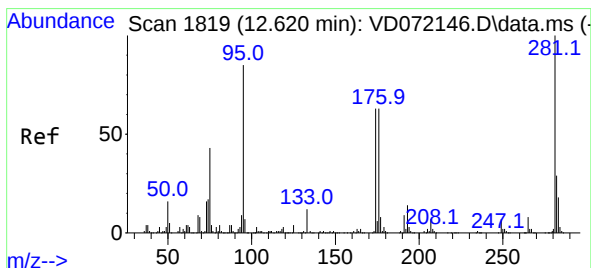
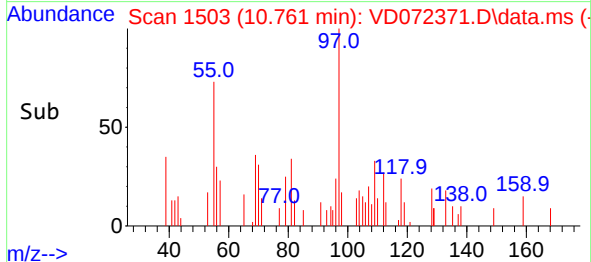
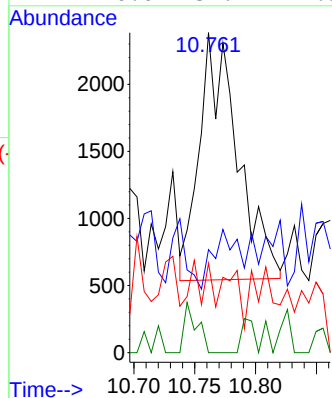
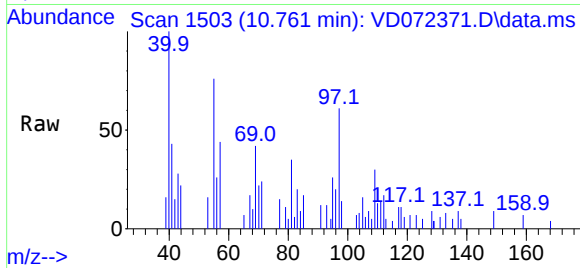


#55
1,1,2-Trichloroethane
Concen: 1.038 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.029 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Instrument :
MSVOA_D
ClientSampleId :
PILE

Tgt Ion: 97 Resp: 4014

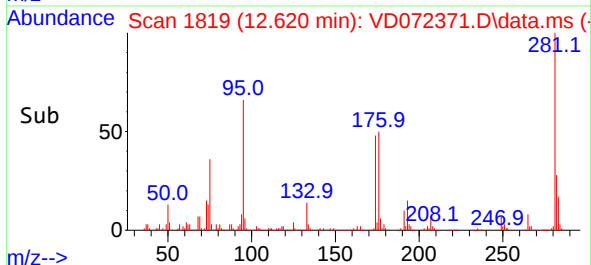
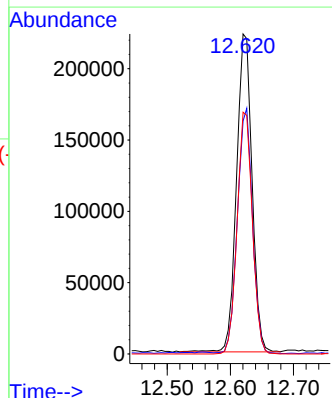
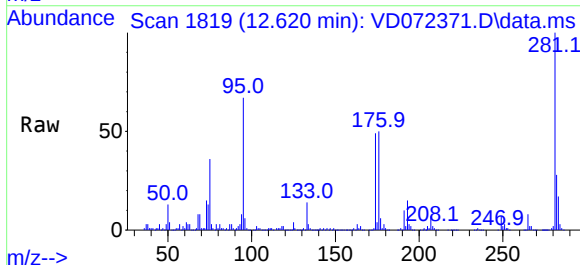
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.0	103.4#
85	18.1	42.6	63.8#
99	0.0	51.7	77.5#

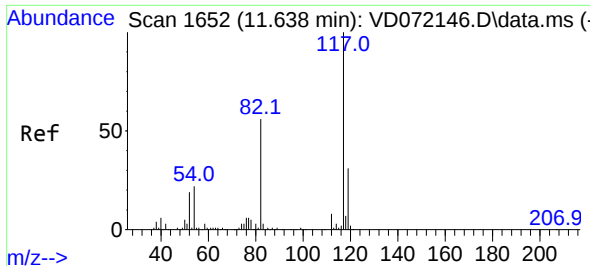


#62
4-Bromofluorobenzene
Concen: 56.876 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion: 95 Resp: 379946

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	152.8
176	74.9	0.0	145.4

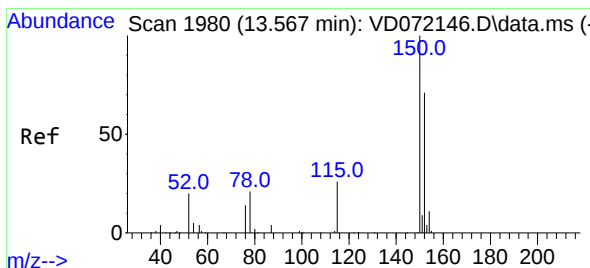
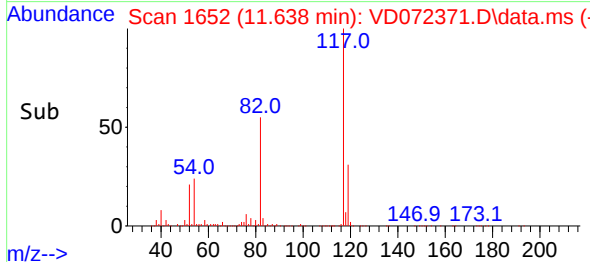
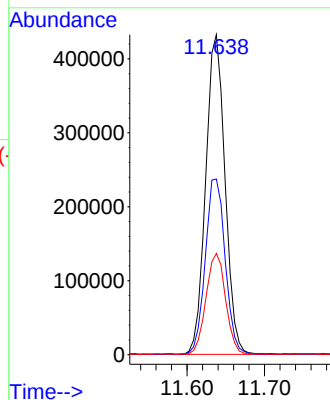
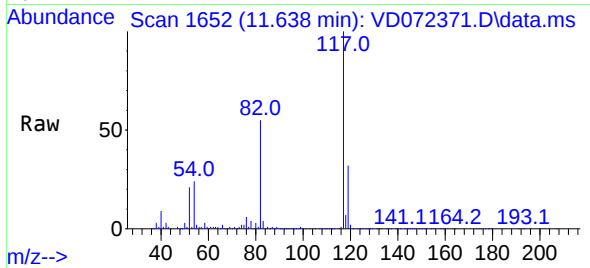




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

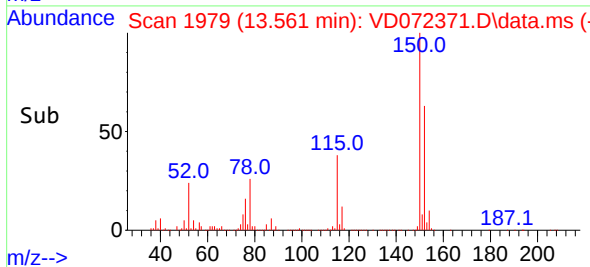
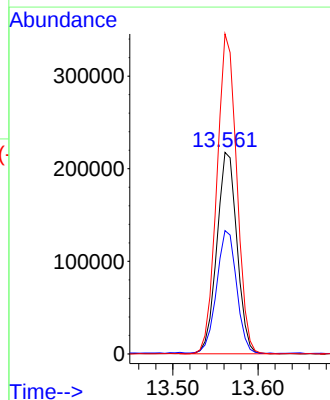
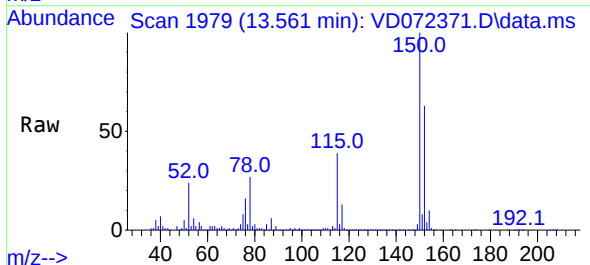
Instrument :
MSVOA_D
ClientSampleId :
PILE

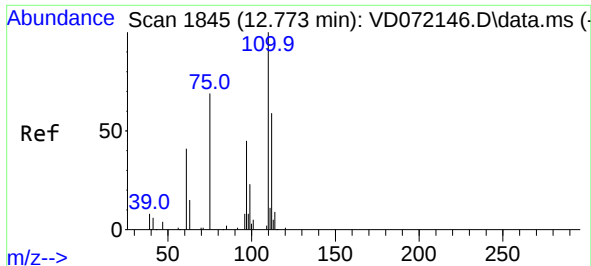
Tgt Ion:117 Resp: 748896
Ion Ratio Lower Upper
117 100
82 54.8 45.3 67.9
119 31.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion:152 Resp: 356701
Ion Ratio Lower Upper
152 100
115 60.8 31.3 93.8
150 157.2 0.0 348.6

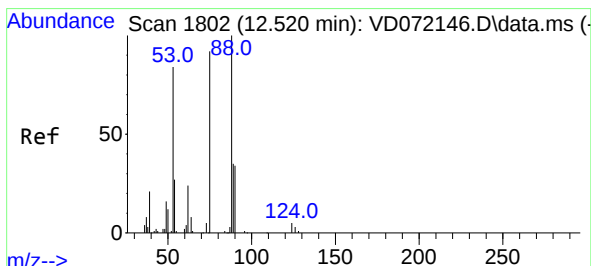
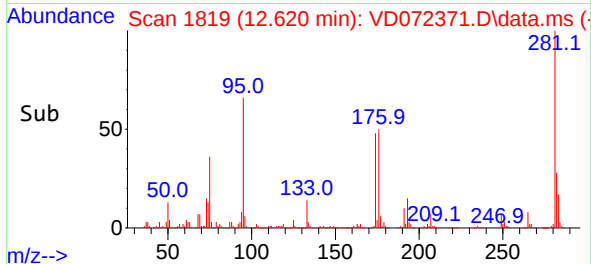
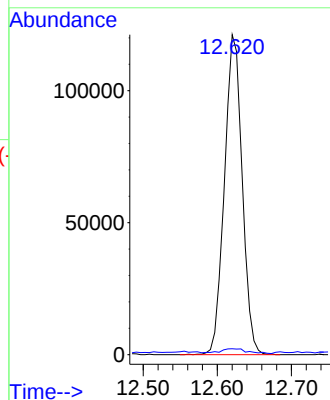
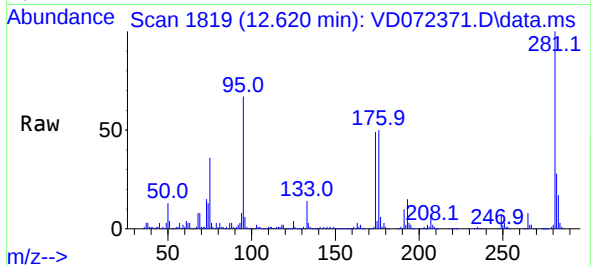




#76
1,2,3-Trichloropropane
Concen: 51.254 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Instrument :
MSVOA_D
ClientSampleId :
PILE

Tgt Ion: 75 Resp: 201672
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.167 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072371.D
Acq: 22 Mar 2022 19:23

Tgt Ion: 75 Resp: 201672
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 2.4 33.9 50.9#

