

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032322\
 Data File : VD072380.D
 Acq On : 23 Mar 2022 13:27
 Operator : VA/SY
 Sample : N2030-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 24 00:52:01 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)

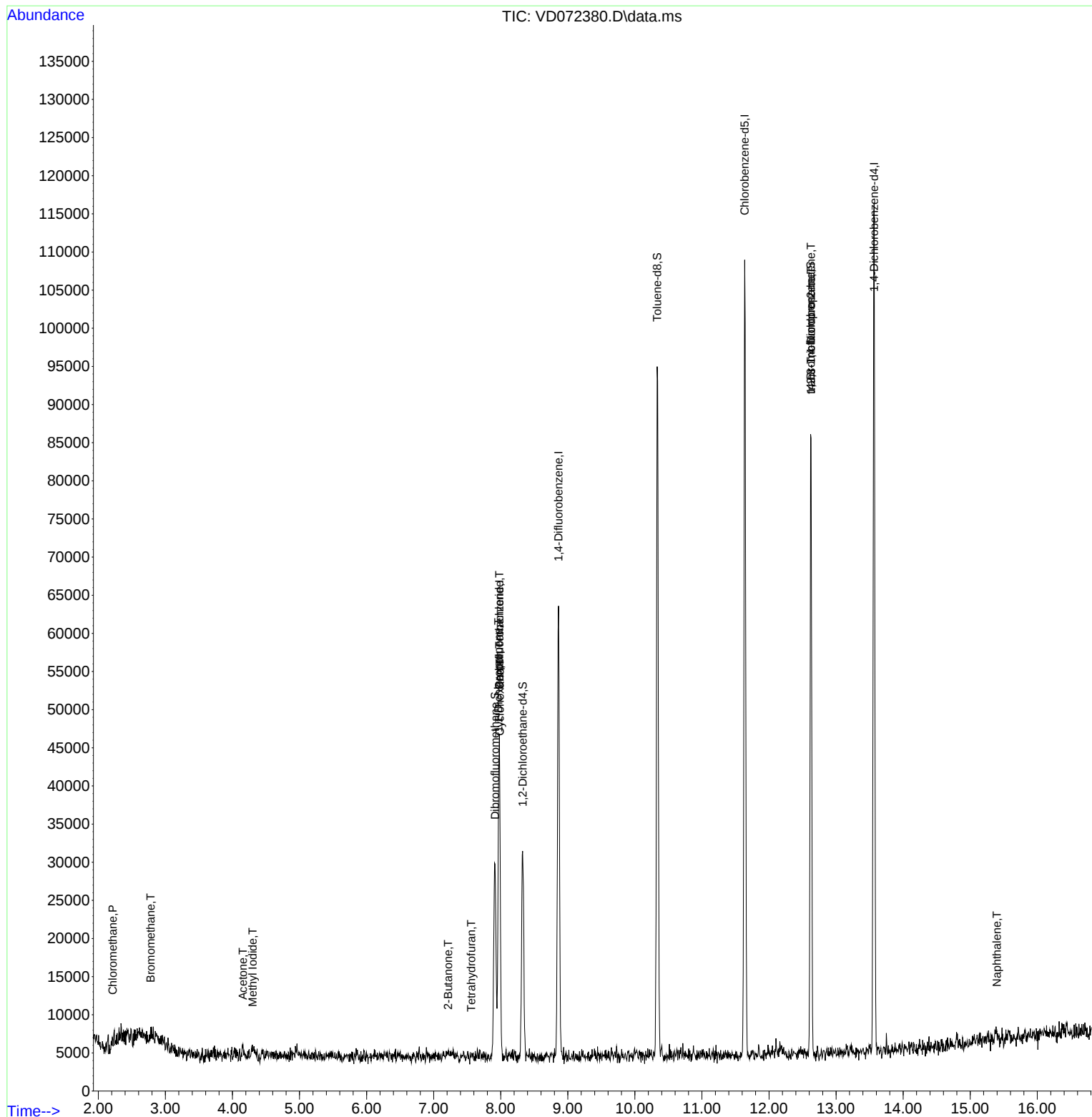
Internal Standards						
1) Pentafluorobenzene	7.979	168	30379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	47796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	60168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	29410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22367	66.066	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.140%	
35) Dibromofluoromethane	7.914	113	19511	58.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.020%	
50) Toluene-d8	10.332	98	62190	50.567	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.620	95	27381	57.299	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	711	2.848	ug/l	91
5) Bromomethane	2.779	94	1319	8.404	ug/l #	59
10) Methyl Iodide	4.303	142	1405	6.544	ug/l #	59
16) Acetone	4.156	43	806	10.965	ug/l #	66
20) Methylene Chloride	4.962	84	609	Below Cal		86
25) 2-Butanone	7.214	43	184	1.877	ug/l #	52
29) Tetrahydrofuran	7.561	42	60	1.041	ug/l #	38
31) Cyclohexane	7.985	56	834	1.577	ug/l #	55
36) 1,1-Dichloropropene	7.967	75	2589	5.487	ug/l #	45
38) Carbon Tetrachloride	7.979	117	3592	6.697	ug/l #	19
76) 1,2,3-Trichloropropane	12.626	75	13443	41.437	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	13443	102.810	ug/l #	7
95) Naphthalene	15.396	128	1231	1.125	ug/l #	82

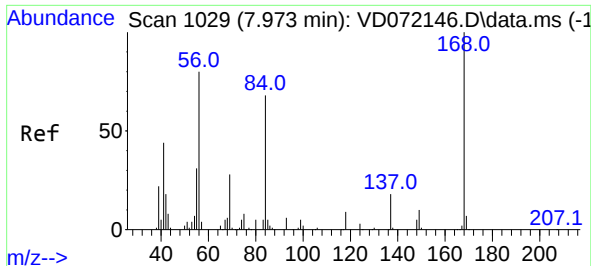
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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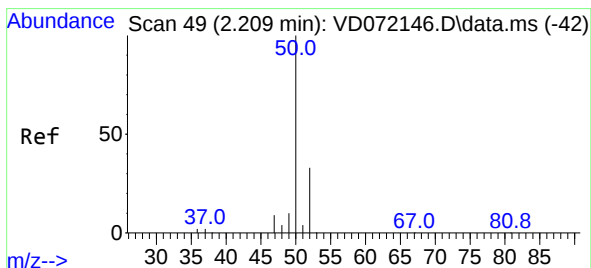
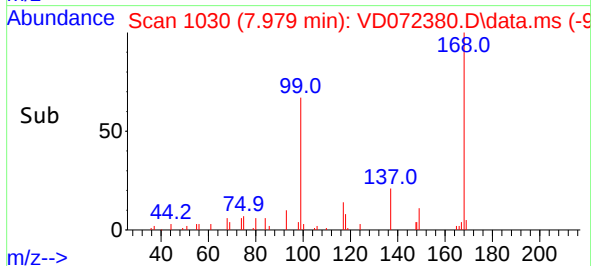
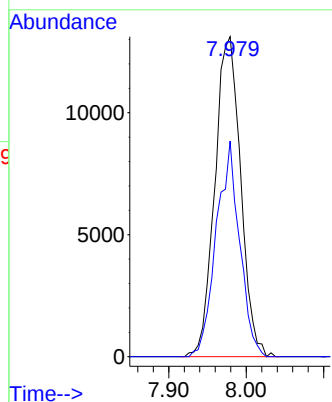
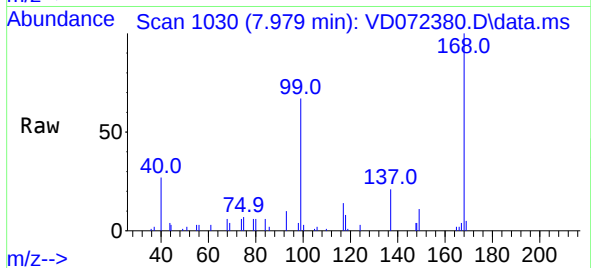




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

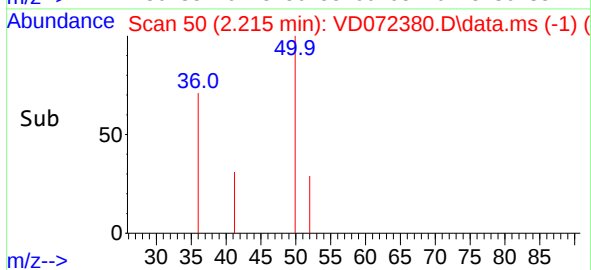
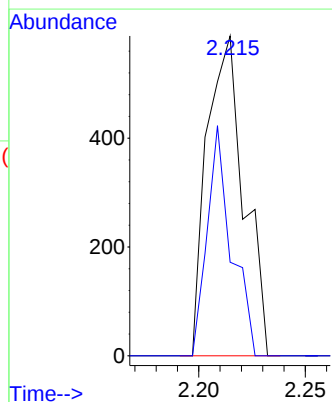
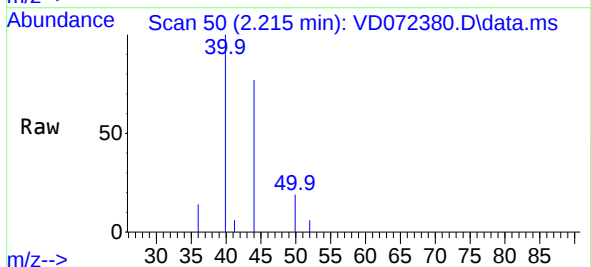
Instrument :
MSVOA_D
ClientSampleId :

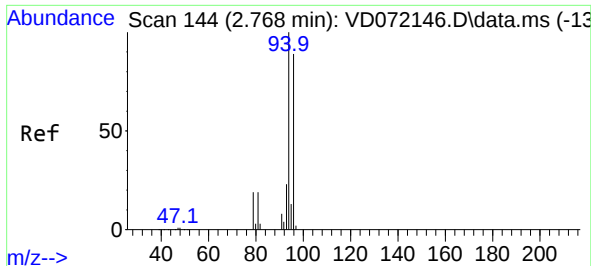
Tgt Ion:168 Resp: 30379
Ion Ratio Lower Upper
168 100
99 67.4 49.8 74.6



#3
Chloromethane
Concen: 2.848 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

Tgt Ion: 50 Resp: 711
Ion Ratio Lower Upper
50 100
52 29.3 27.4 41.0

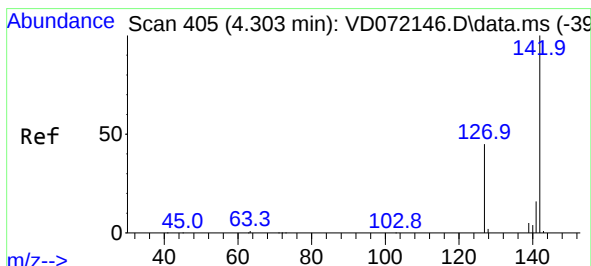
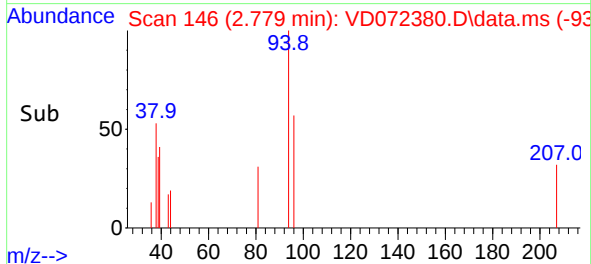
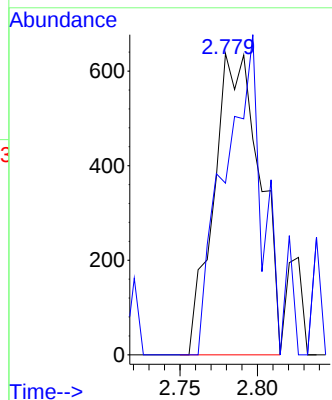
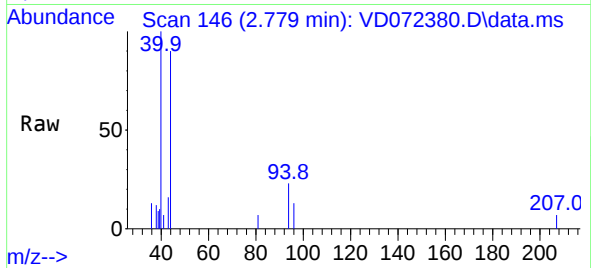




#5
Bromomethane
Concen: 8.404 ug/l
RT: 2.779 min Scan# 144
Delta R.T. 0.012 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

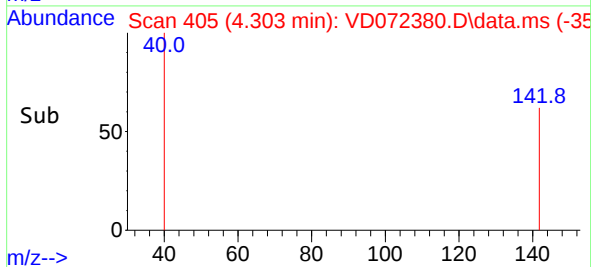
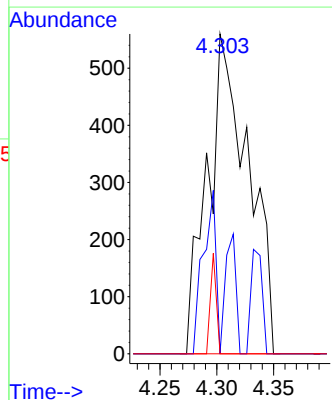
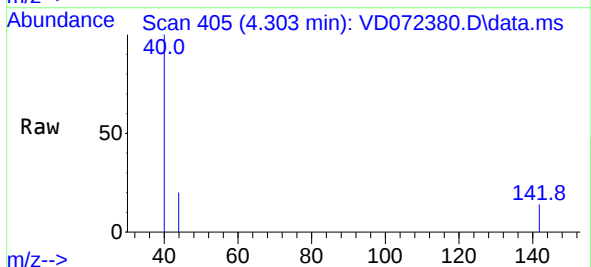
Instrument :
MSVOA_D
ClientSampleId :

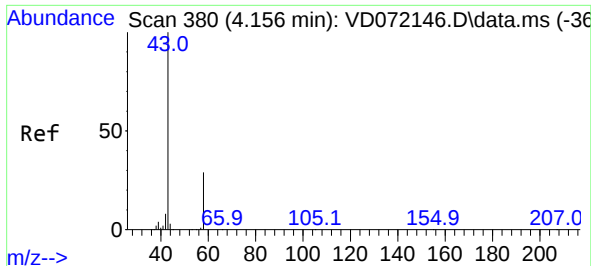
Tgt Ion: 94 Resp: 1319
Ion Ratio Lower Upper
94 100
96 57.0 77.6 116.4#



#10
Methyl Iodide
Concen: 6.544 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

Tgt Ion:142 Resp: 1405
Ion Ratio Lower Upper
142 100
127 15.9 37.3 55.9#
141 4.4 11.7 17.5#

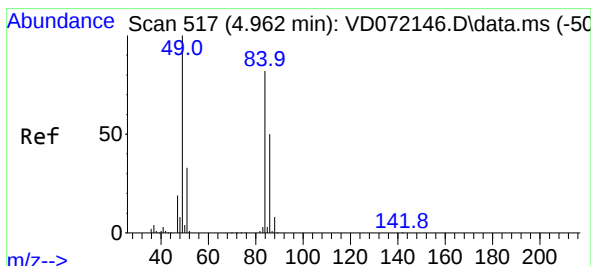
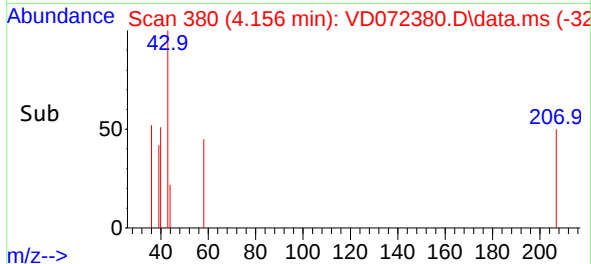
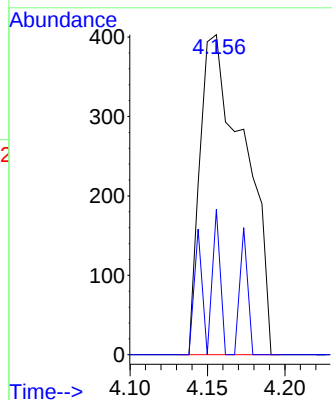
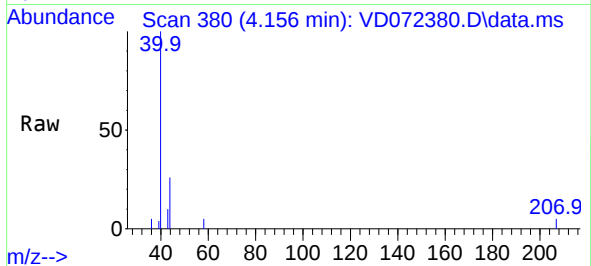




#16
Acetone
Concen: 10.965 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

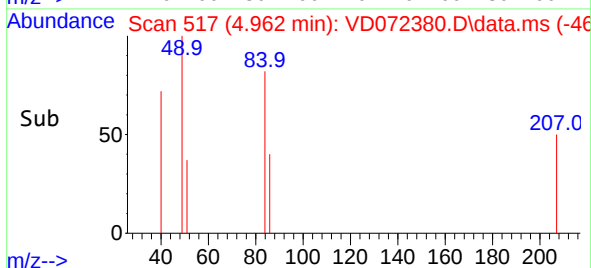
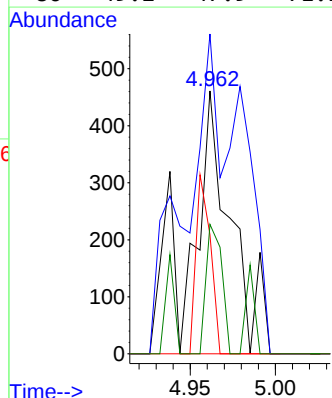
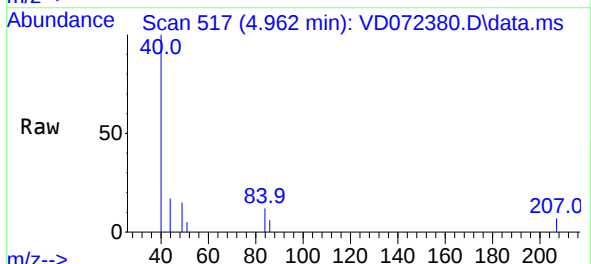
Instrument :
MSVOA_D
ClientSampleId :

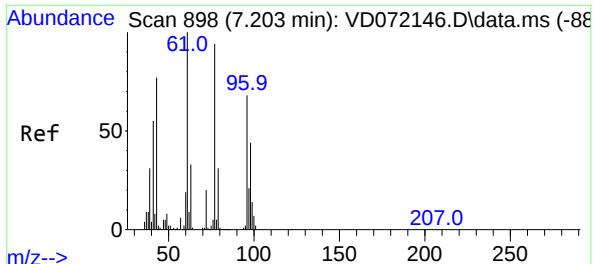
Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 45.4 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

Tgt Ion: 84 Resp: 609
Ion Ratio Lower Upper
84 100
49 121.7 112.8 169.2
51 45.3 32.6 48.8
86 49.2 47.9 71.9





#25

2-Butanone

Concen: 1.877 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.012 min

Lab File: VD072380.D

Acq: 23 Mar 2022 13:27

Instrument :

MSVOA_D

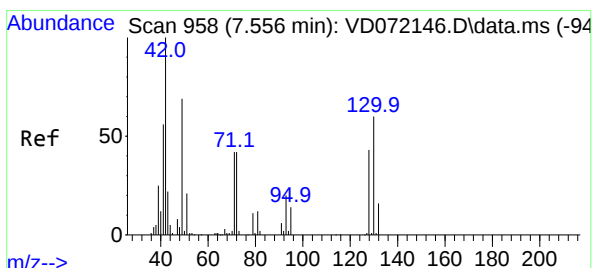
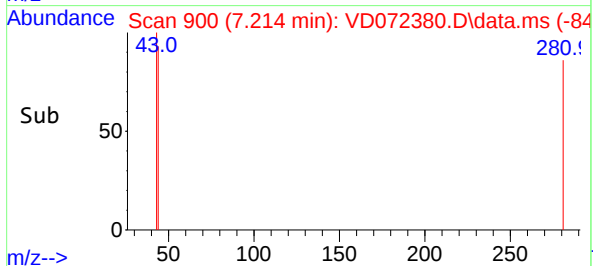
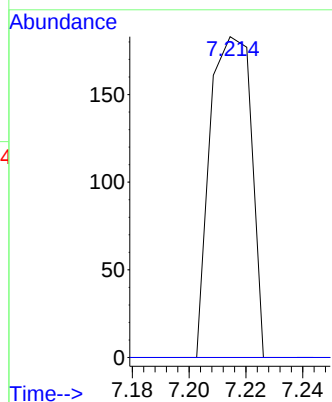
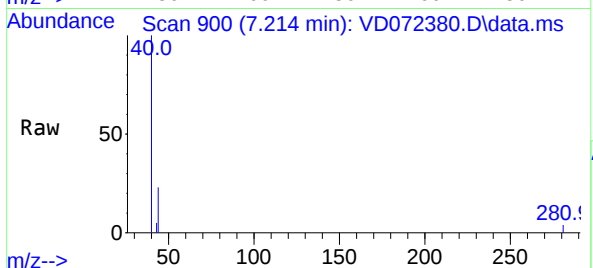
ClientSampleId :

Tgt Ion: 43 Resp: 184

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 1.041 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.006 min

Lab File: VD072380.D

Acq: 23 Mar 2022 13:27

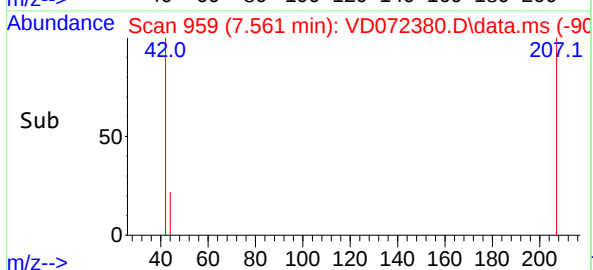
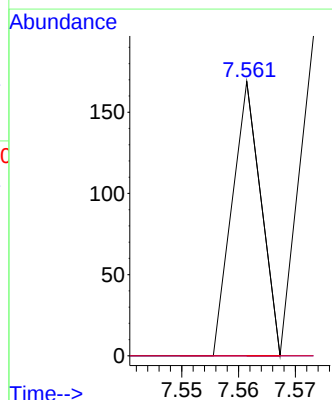
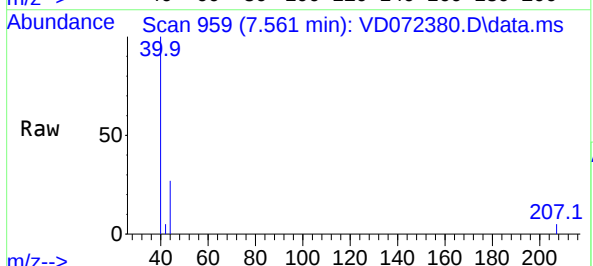
Tgt Ion: 42 Resp: 60

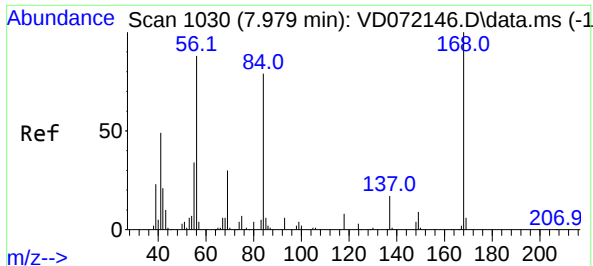
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.577 ug/l

RT: 7.985 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD072380.D

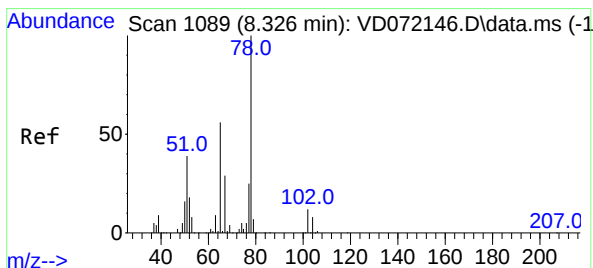
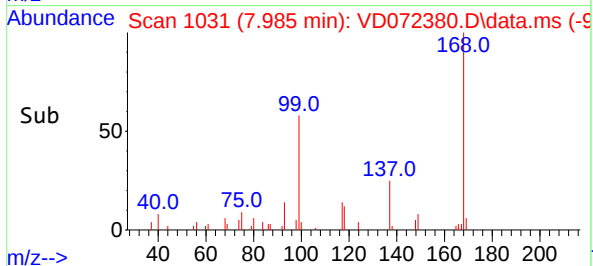
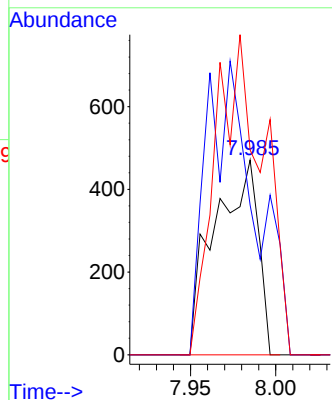
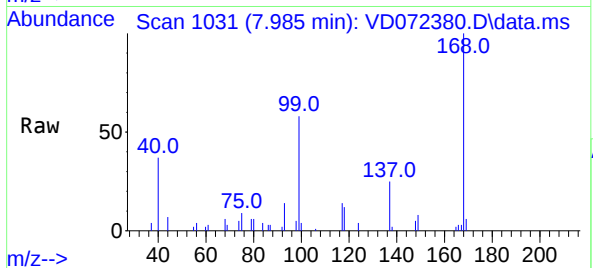
Acq: 23 Mar 2022 13:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 56	Resp:	834
Ion Ratio	Lower	Upper
56	100	
69	76.9	25.4 38.2#
84	105.1	63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 66.066 ug/l

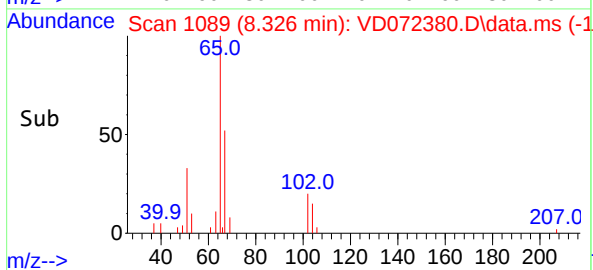
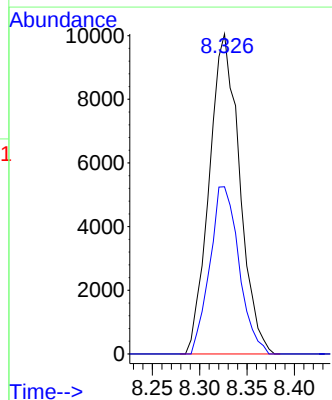
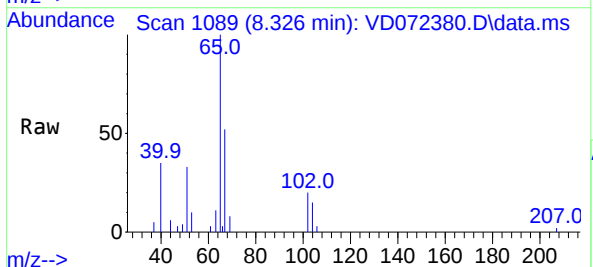
RT: 8.326 min Scan# 1089

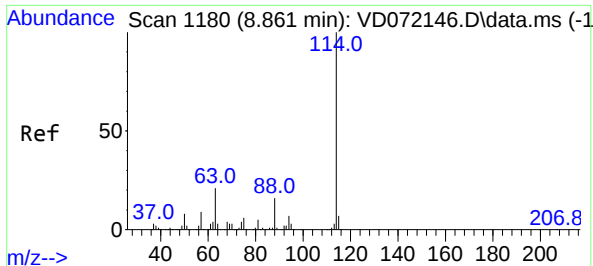
Delta R.T. 0.000 min

Lab File: VD072380.D

Acq: 23 Mar 2022 13:27

Tgt Ion: 65	Resp:	22367
Ion Ratio	Lower	Upper
65	100	
67	50.3	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: VD072380.D

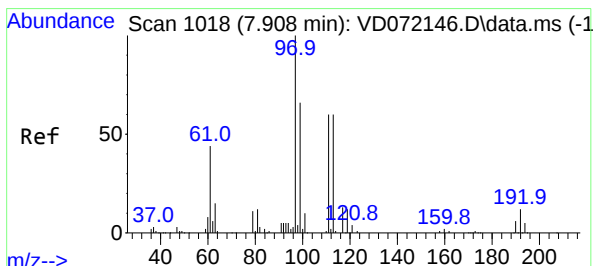
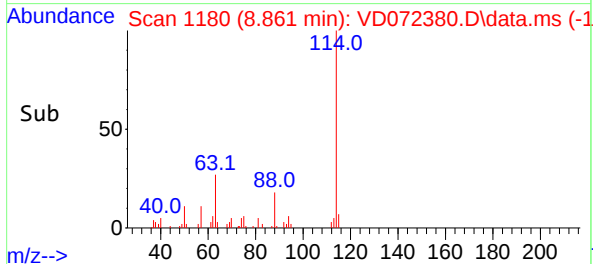
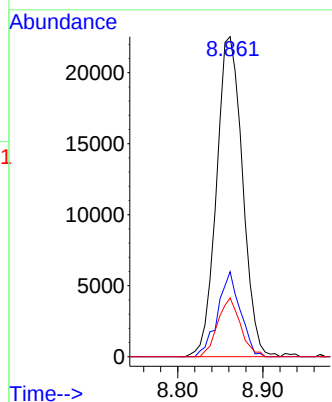
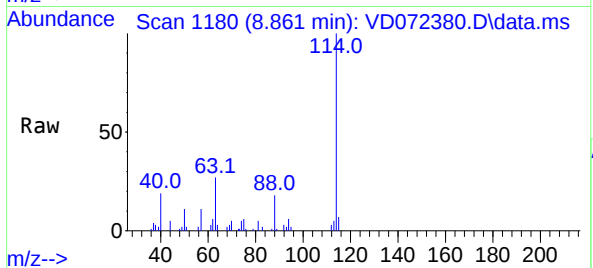
Acq: 23 Mar 2022 13:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	114	Resp:	47796
Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	46.6
88	18.4	0.0	33.2



#35

Dibromofluoromethane

Concen: 58.009 ug/l

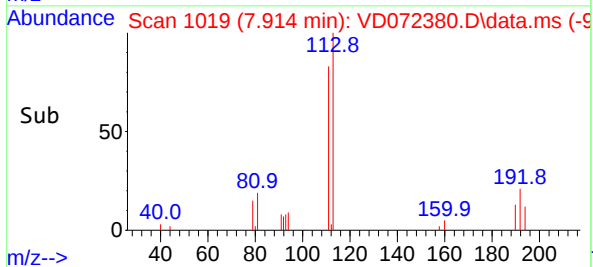
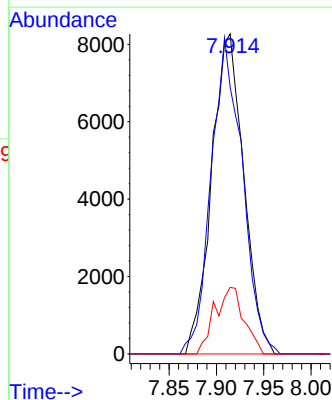
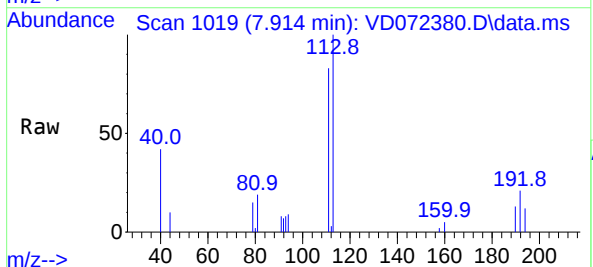
RT: 7.914 min Scan# 1019

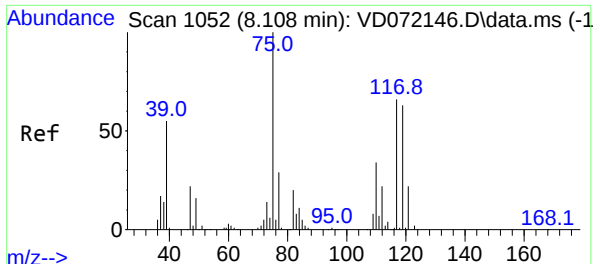
Delta R.T. 0.006 min

Lab File: VD072380.D

Acq: 23 Mar 2022 13:27

Tgt Ion:	113	Resp:	19511
Ion	Ratio	Lower	Upper
113	100		
111	96.0	83.8	125.6
192	18.9	14.6	21.8





#36

1,1-Dichloropropene

Concen: 5.487 ug/l

RT: 7.967 min Scan# 10

Delta R.T. -0.141 min

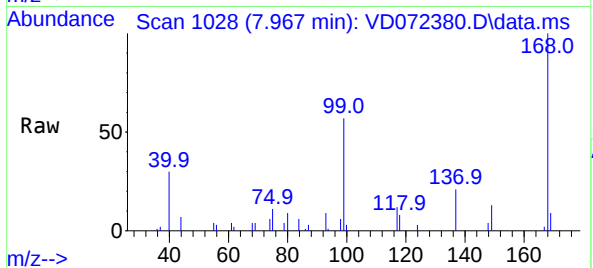
Lab File: VD072380.D

Acq: 23 Mar 2022 13:27

Instrument :

MSVOA_D

ClientSampleId :



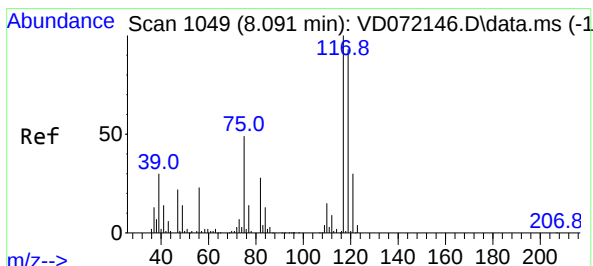
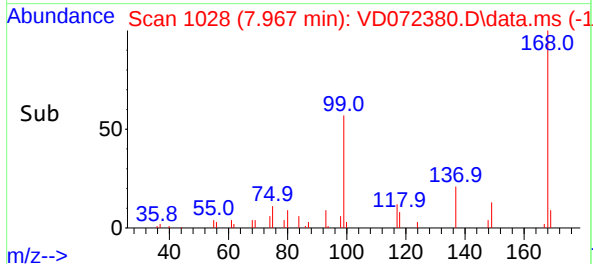
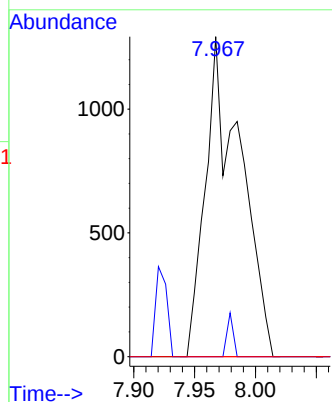
Tgt Ion: 75 Resp: 2589

Ion Ratio Lower Upper

75 100

110 2.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.697 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072380.D

Acq: 23 Mar 2022 13:27

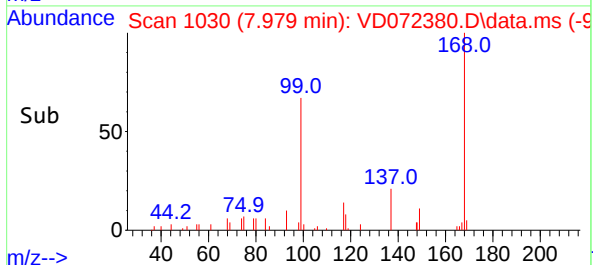
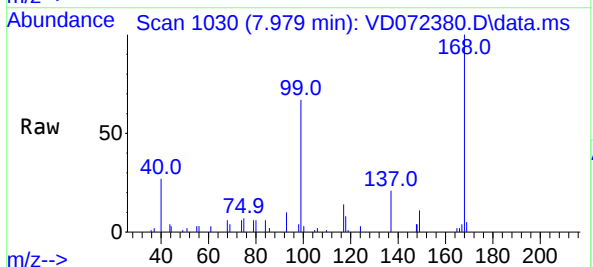
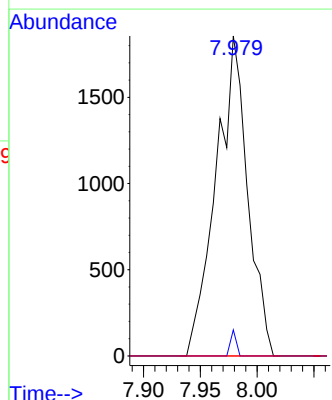
Tgt Ion: 117 Resp: 3592

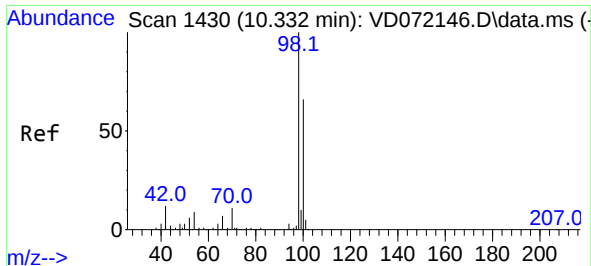
Ion Ratio Lower Upper

117 100

119 8.1 75.8 113.6#

121 0.0 24.5 36.7#

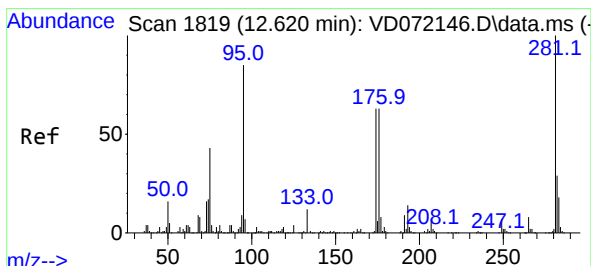
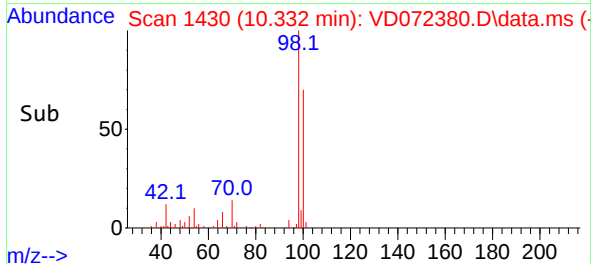
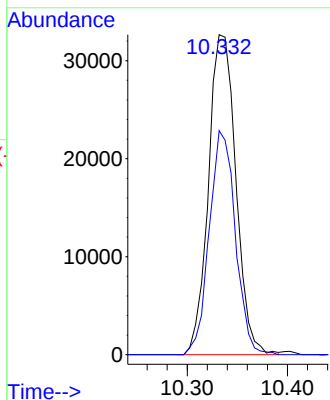
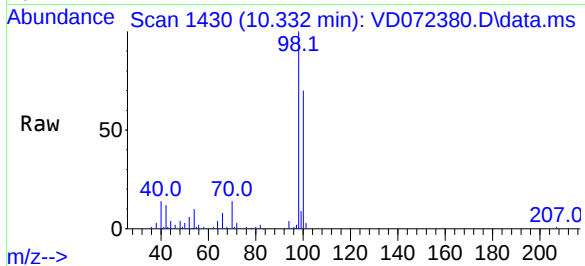




#50
Toluene-d8
Concen: 50.567 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

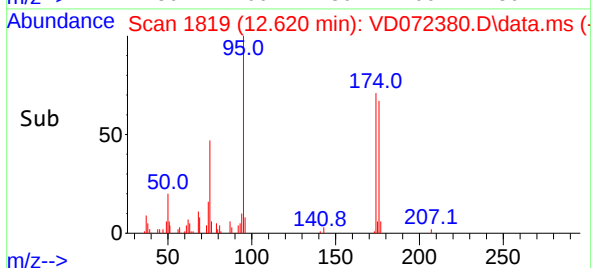
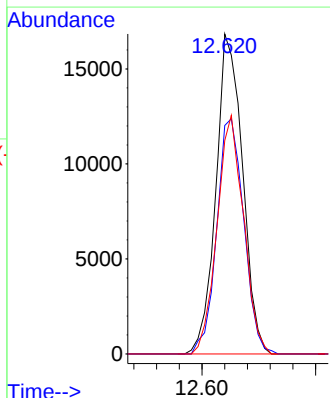
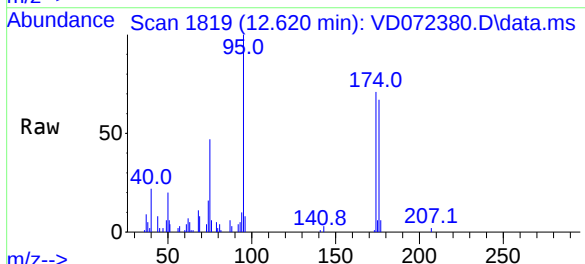
Instrument :
MSVOA_D
ClientSampleId :

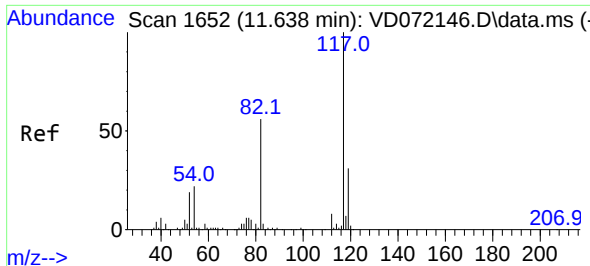
Tgt Ion: 98 Resp: 62190
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 57.299 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

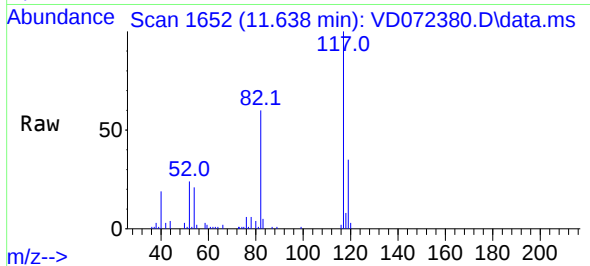
Tgt Ion: 95 Resp: 27381
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 74.0 0.0 145.4





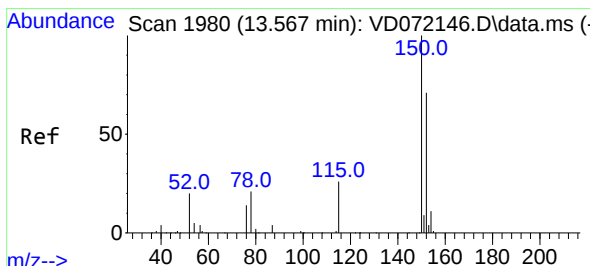
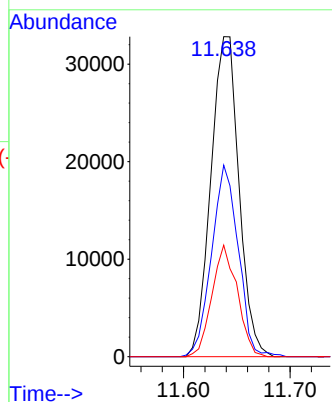
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:117 Resp: 60168

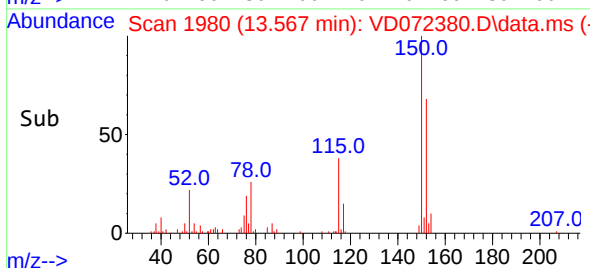
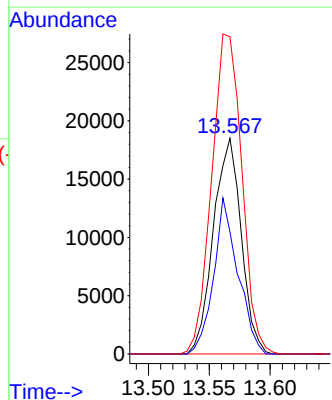
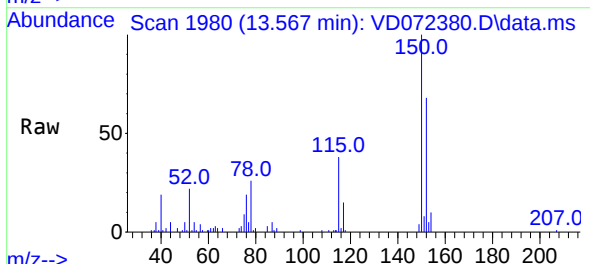
Ion	Ratio	Lower	Upper
117	100		
82	59.8	45.3	67.9
119	34.9	26.6	40.0

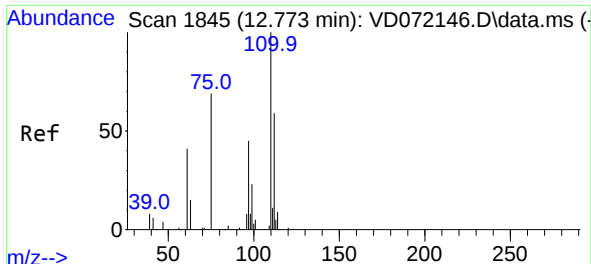


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

Tgt Ion:152 Resp: 29410

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.3	93.8
150	160.7	0.0	348.6

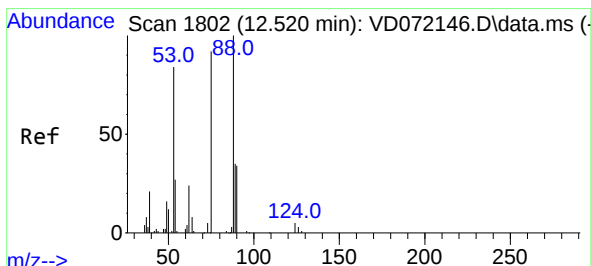
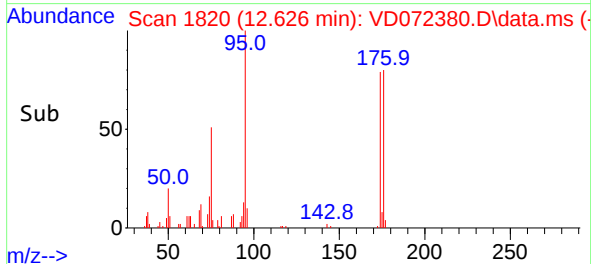
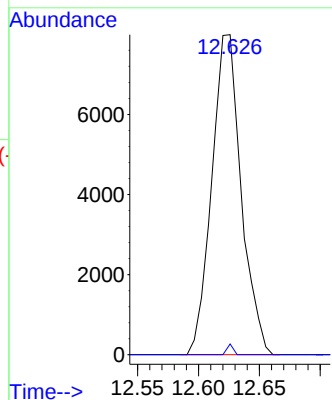
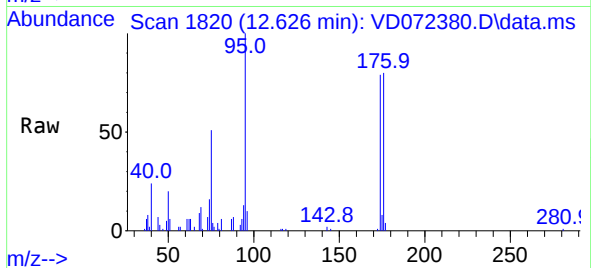




#76
1,2,3-Trichloropropane
Concen: 41.437 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

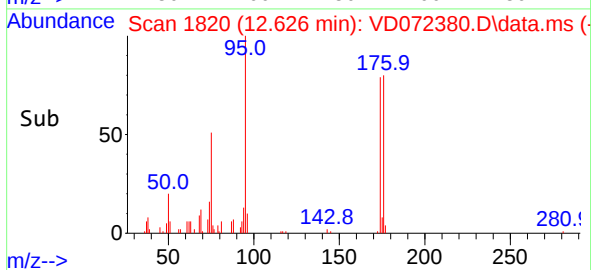
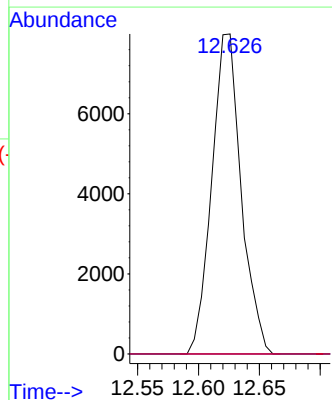
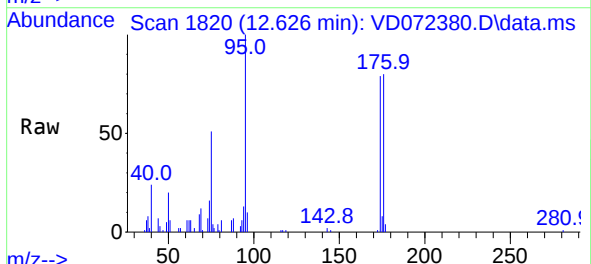
Instrument :
MSVOA_D
ClientSampleId :

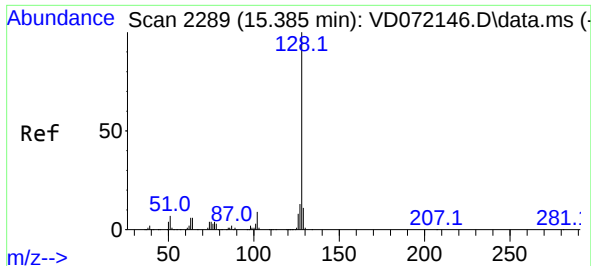
Tgt Ion: 75 Resp: 13443
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.810 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072380.D
Acq: 23 Mar 2022 13:27

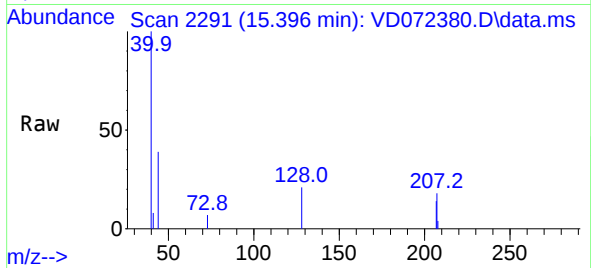
Tgt Ion: 75 Resp: 13443
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 1.125 ug/l
 RT: 15.396 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VD072380.D
 Acq: 23 Mar 2022 13:27

Instrument : MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	1231
Ion	Ratio	Lower	Upper
128	100		
127	5.0	10.3	15.5#
129	4.5	8.4	12.6#

