

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072298.D
 Acq On : 18 Mar 2022 19:08
 Operator : VA/SY
 Sample : N1962-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-17-16-17

Quant Time: Mar 19 05:27:35 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)

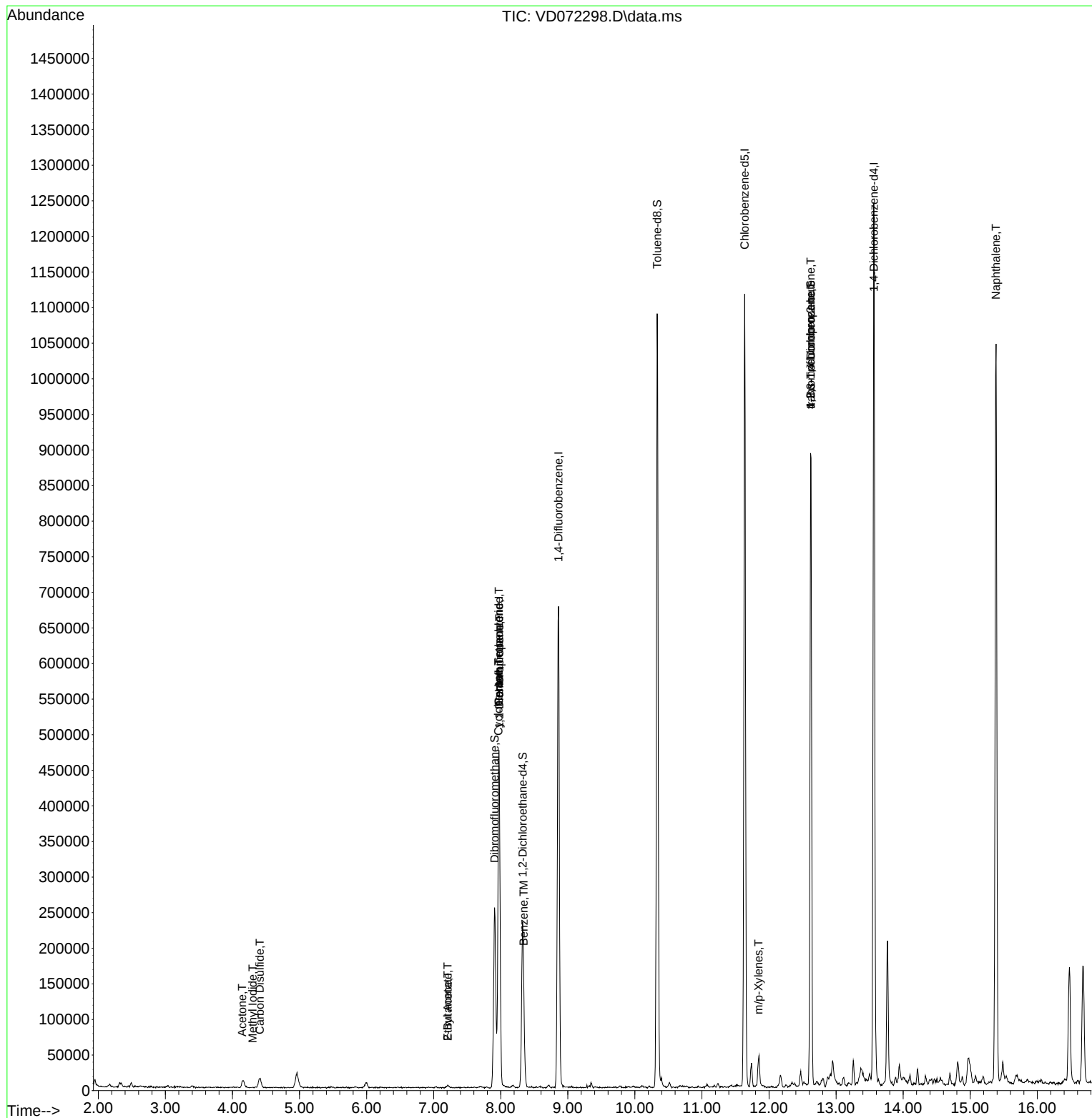
Internal Standards						
1) Pentafluorobenzene	7.973	168	340529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	568490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	624051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	167299	44.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.160%
35) Dibromofluoromethane	7.909	113	178192	44.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.080%
50) Toluene-d8	10.332	98	717589	49.056	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.620	95	301352	53.020	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	456	2.352	ug/l #	53
16) Acetone	4.144	43	18228	22.122	ug/l	100
17) Carbon Disulfide	4.409	76	29934	5.478	ug/l	97
20) Methylene Chloride	4.962	84	15693	Below Cal	#	80
25) 2-Butanone	7.209	43	4829	4.396	ug/l #	81
31) Cyclohexane	7.967	56	8354	1.409	ug/l #	19
36) 1,1-Dichloropropene	7.979	75	30076	5.359	ug/l #	50
37) Ethyl Acetate	7.209	43	4829	1.964	ug/l #	72
38) Carbon Tetrachloride	7.973	117	35346	5.541	ug/l #	18
40) Benzene	8.344	78	43608	2.724	ug/l	96
68) m/p-Xylenes	11.844	106	13273	1.415	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	157610	43.730	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	157610	108.498	ug/l #	7
95) Naphthalene	15.385	128	892331	73.426	ug/l	99

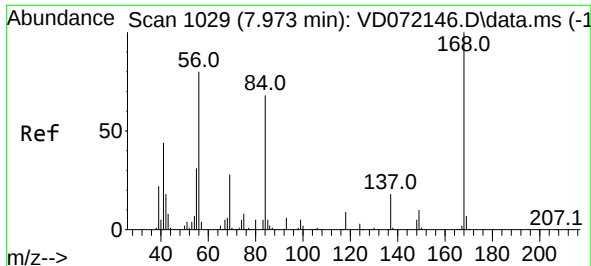
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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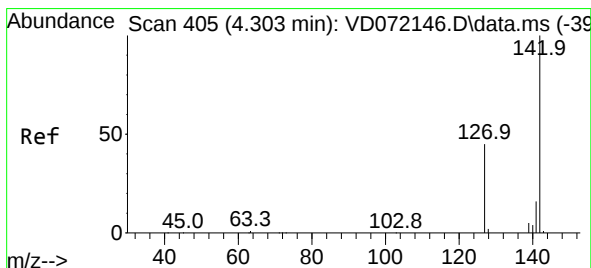
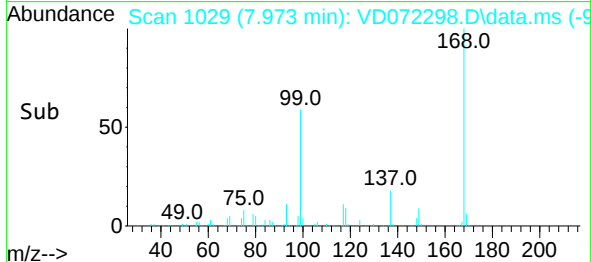
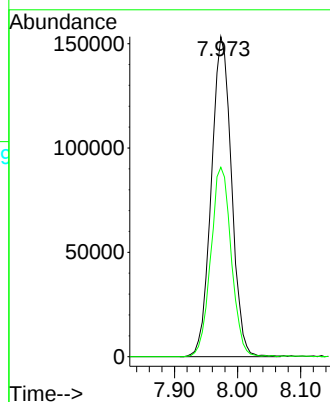
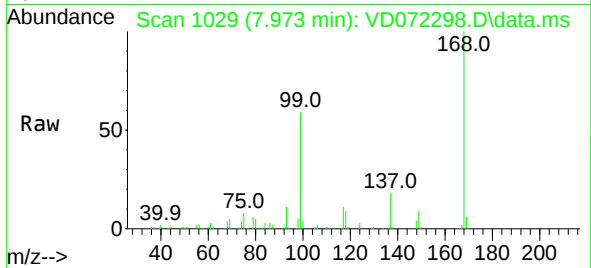




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

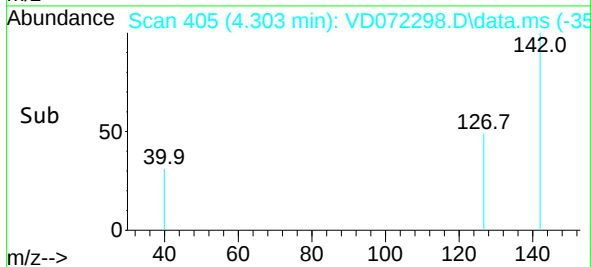
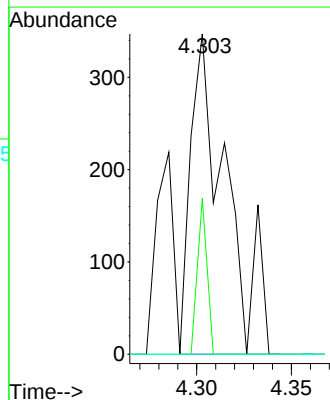
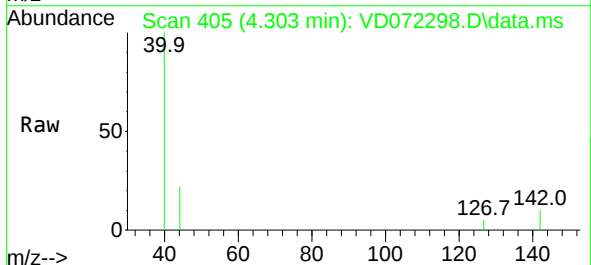
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

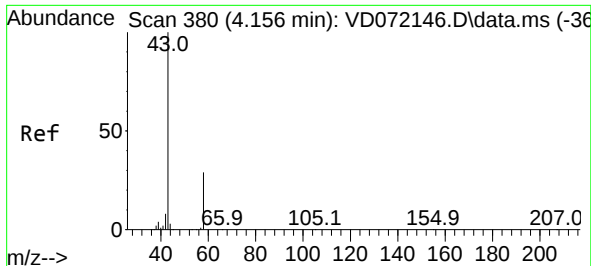
Tgt Ion:168 Resp: 340529
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#10
Methyl Iodide
Concen: 2.352 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion:142 Resp: 456
Ion Ratio Lower Upper
142 100
127 13.2 37.3 55.9#
141 0.0 11.7 17.5#

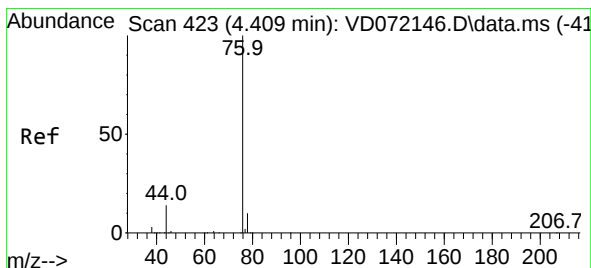
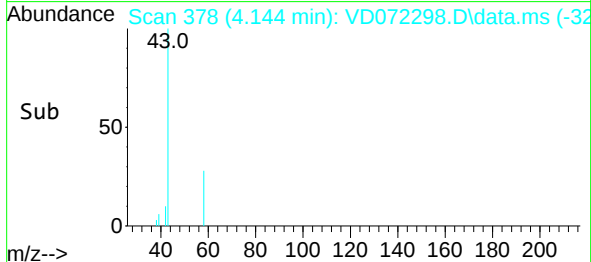
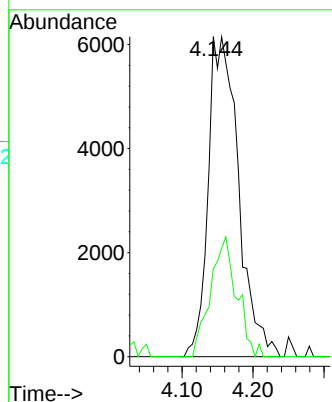
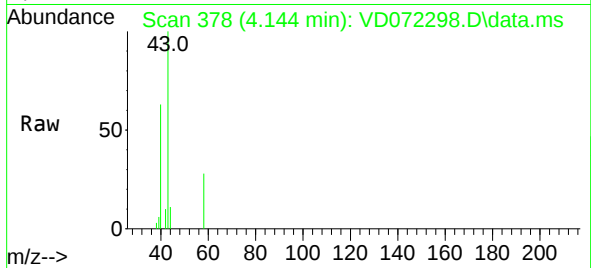




#16
Acetone
Concen: 22.122 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

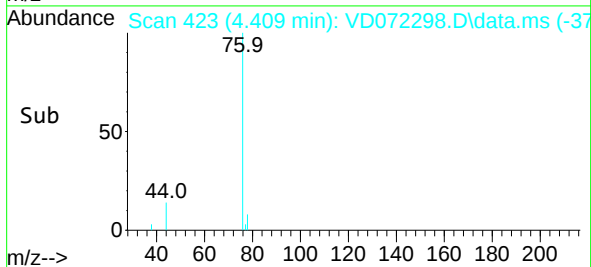
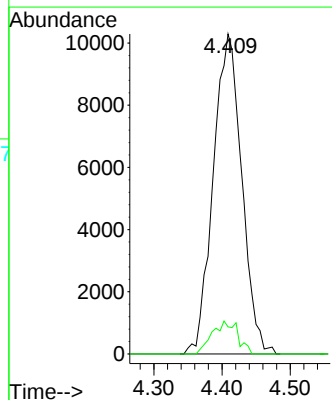
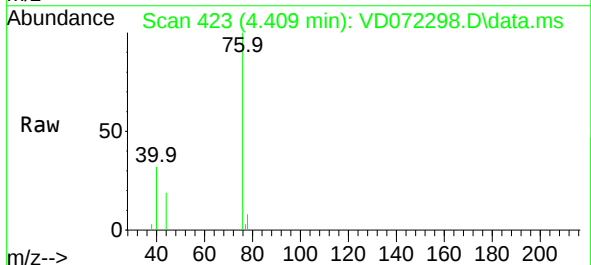
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

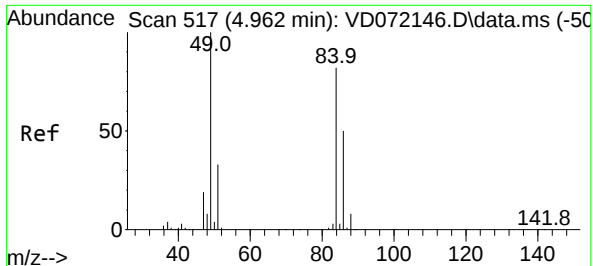
Tgt Ion: 43 Resp: 18228
Ion Ratio Lower Upper
43 100
58 27.6 22.1 33.1



#17
Carbon Disulfide
Concen: 5.478 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion: 76 Resp: 29934
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3

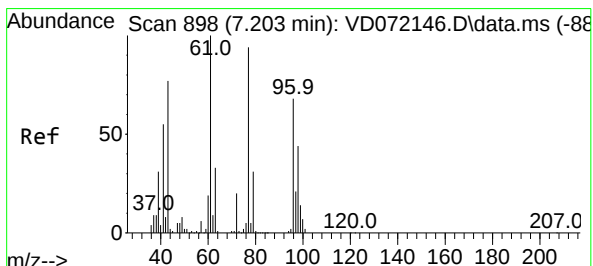
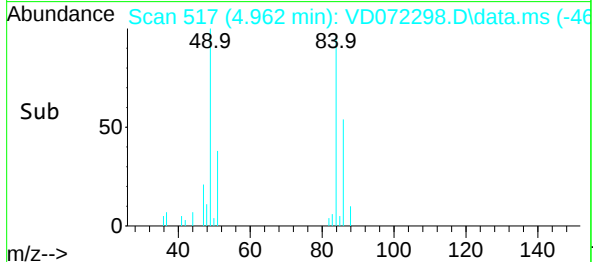
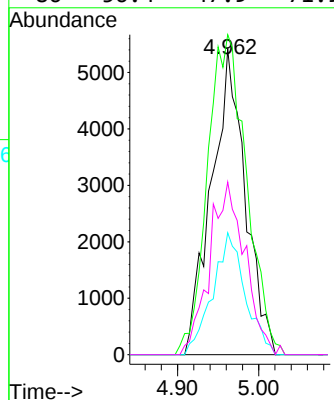
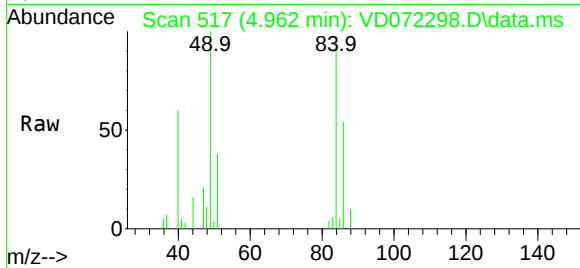




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

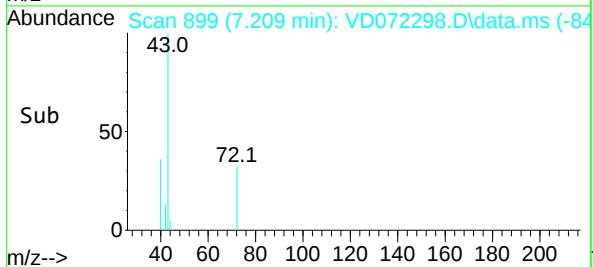
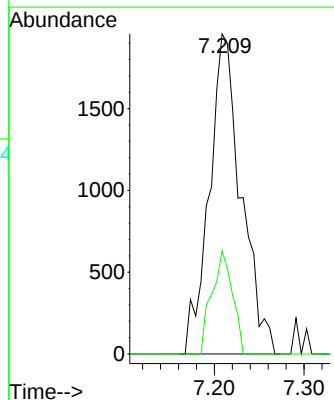
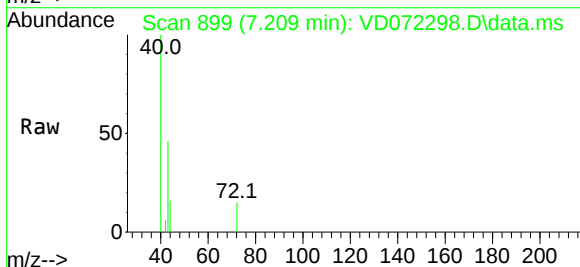
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

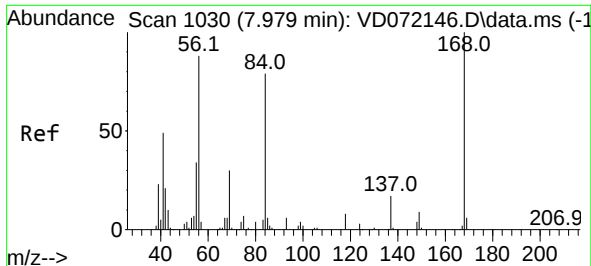
Tgt Ion:	84	Resp:	15693
Ion	Ratio	Lower	Upper
84	100		
49	101.7	112.8	169.2#
51	39.9	32.6	48.8
86	56.4	47.9	71.9



#25
2-Butanone
Concen: 4.396 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion:	43	Resp:	4829
Ion	Ratio	Lower	Upper
43	100		
72	32.2	18.6	27.8#

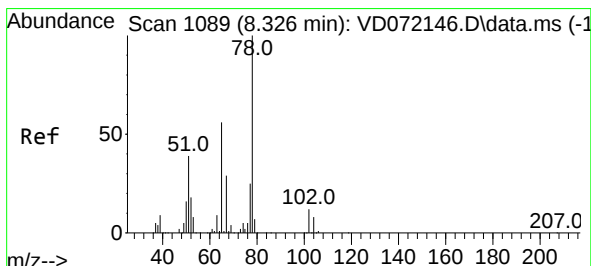
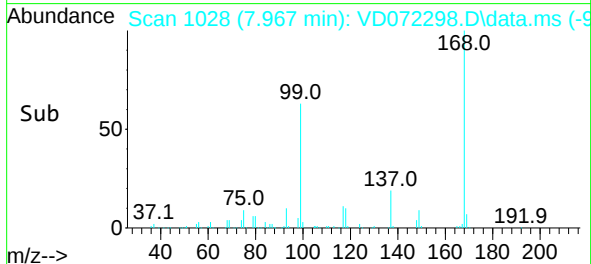
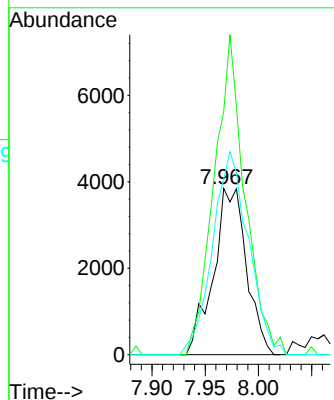
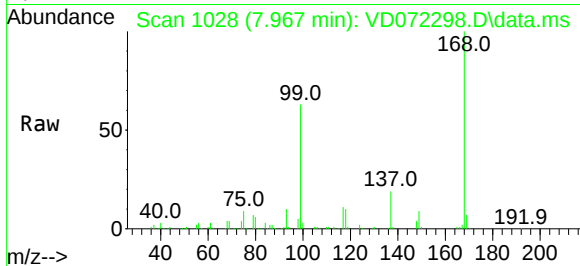




#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

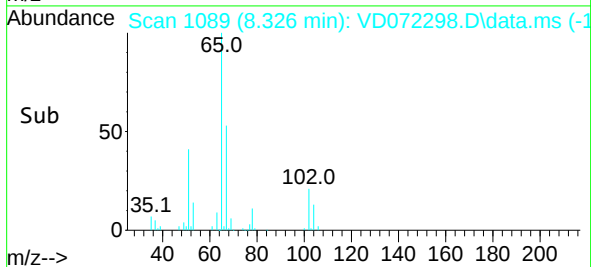
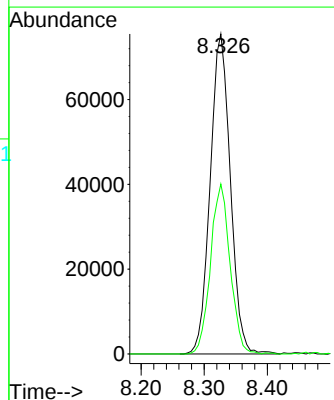
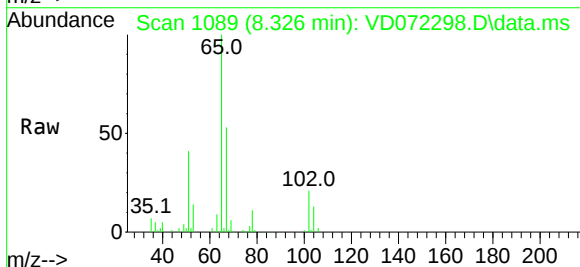
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

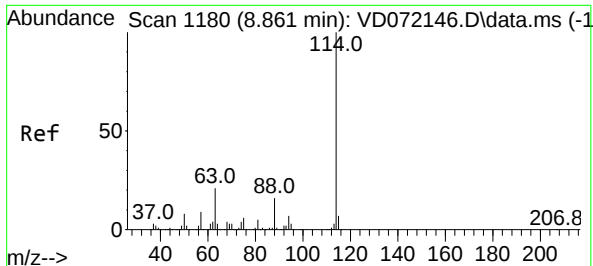
Tgt Ion: 56 Resp: 8354
Ion Ratio Lower Upper
56 100
69 146.3 25.4 38.2#
84 105.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 44.084 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion: 65 Resp: 167299
Ion Ratio Lower Upper
65 100
67 51.5 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: VD072298.D

Acq: 18 Mar 2022 19:08

Instrument :

MSVOA_D

ClientSampleId :

C-17-16-17

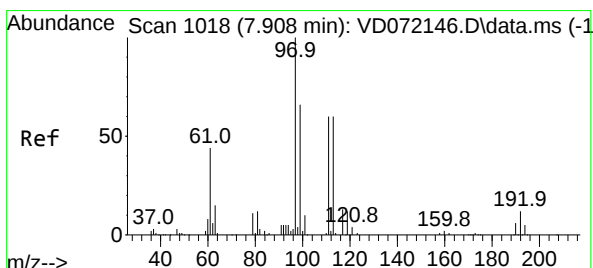
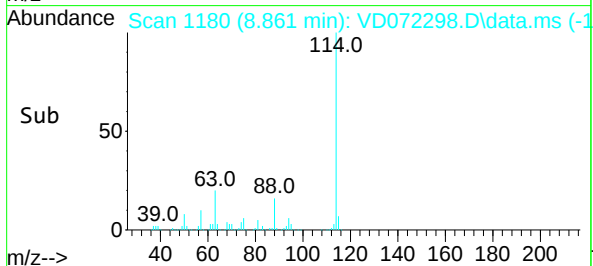
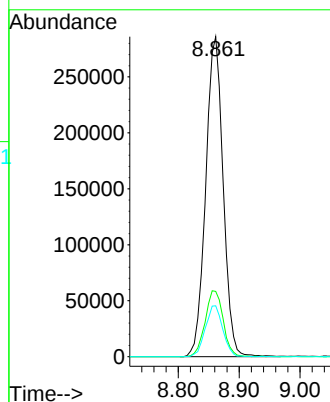
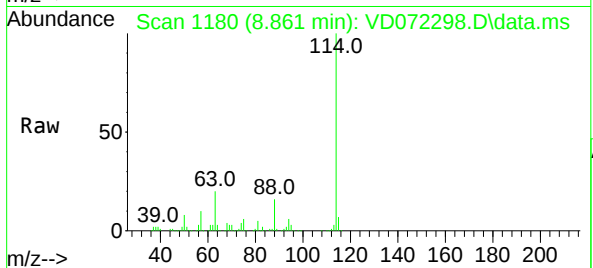
Tgt Ion:114 Resp: 568490

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.542 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072298.D

Acq: 18 Mar 2022 19:08

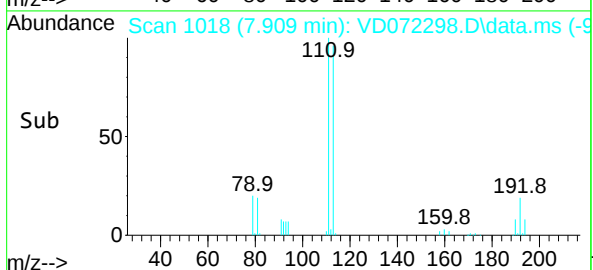
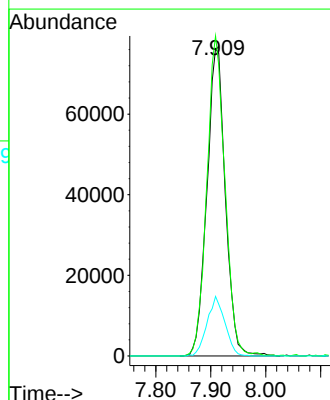
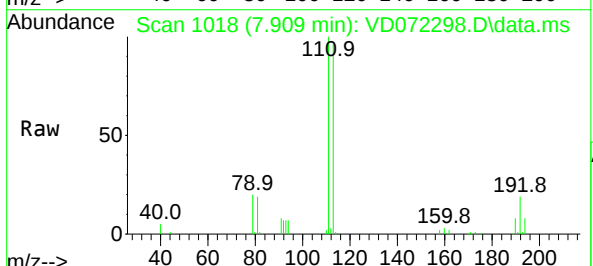
Tgt Ion:113 Resp: 178192

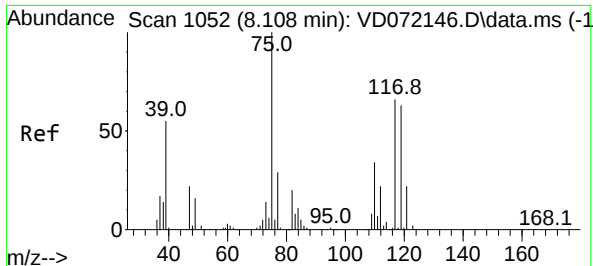
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.359 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072298.D

Acq: 18 Mar 2022 19:08

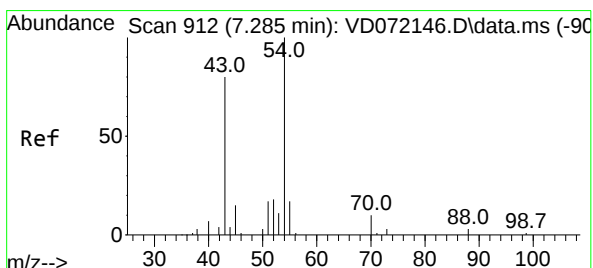
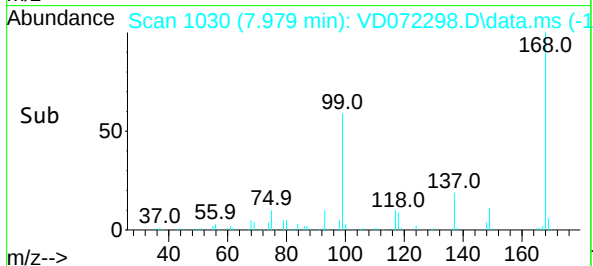
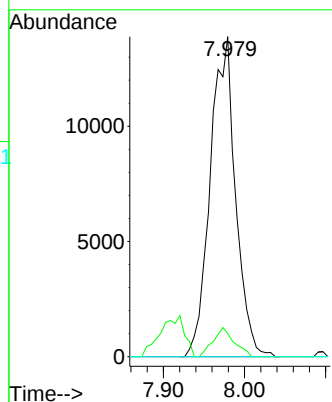
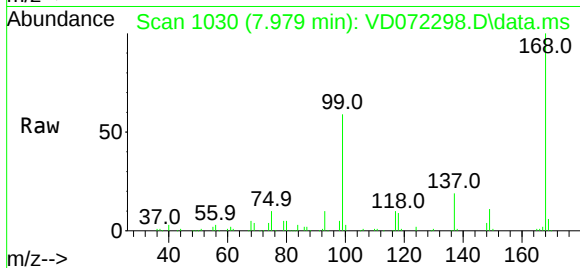
Instrument :

MSVOA_D

ClientSampleId :

C-17-16-17

Tgt Ion:	75	Resp:	30076
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 1.964 ug/l

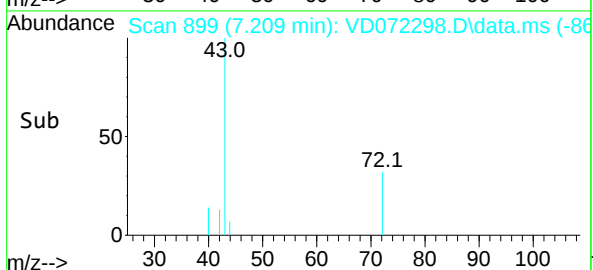
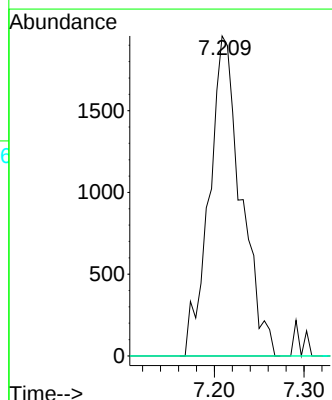
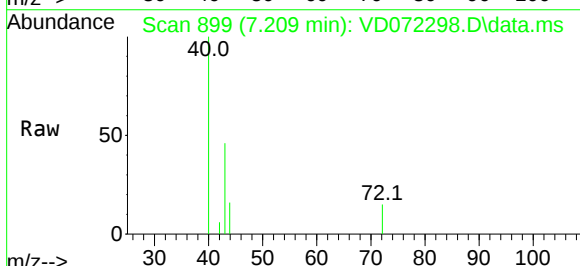
RT: 7.209 min Scan# 899

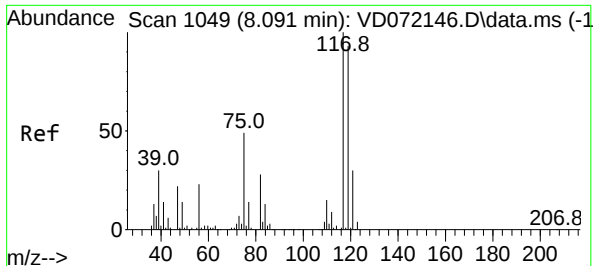
Delta R.T. -0.076 min

Lab File: VD072298.D

Acq: 18 Mar 2022 19:08

Tgt Ion:	43	Resp:	4829
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	6.9	10.3#

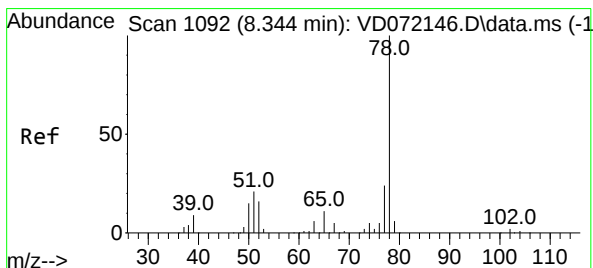
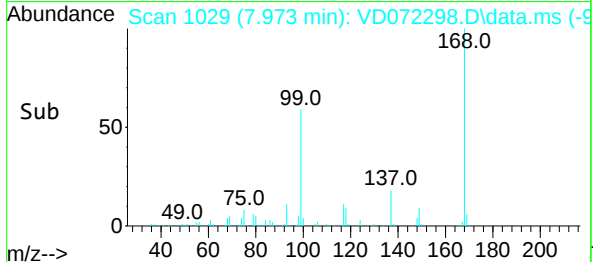
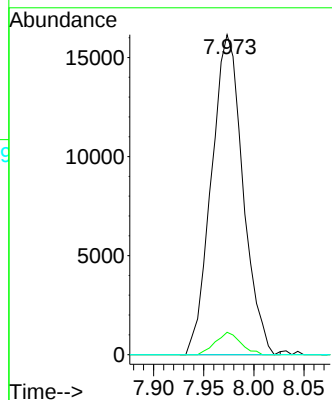
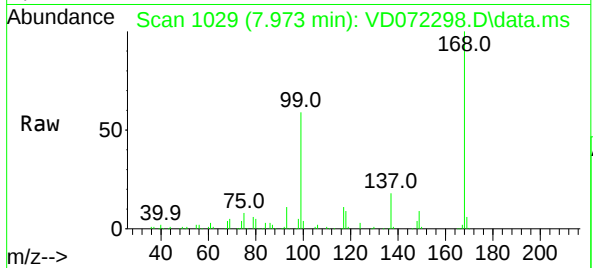




#38
Carbon Tetrachloride
Concen: 5.541 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

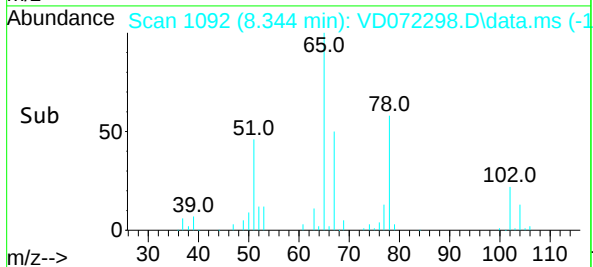
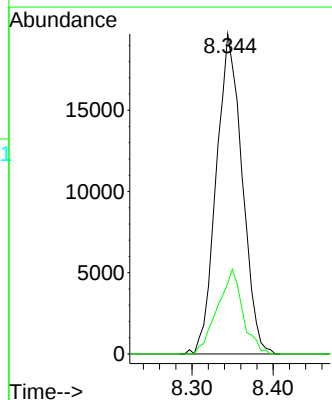
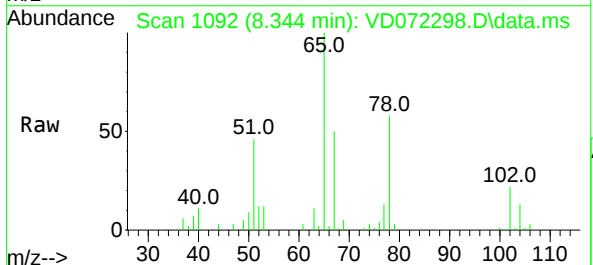
Instrument :
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C-17-16-17

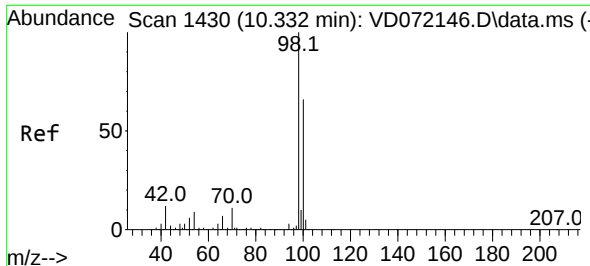
Tgt Ion:117 Resp: 35346
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 2.724 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion: 78 Resp: 43608
Ion Ratio Lower Upper
78 100
77 22.0 19.1 28.7

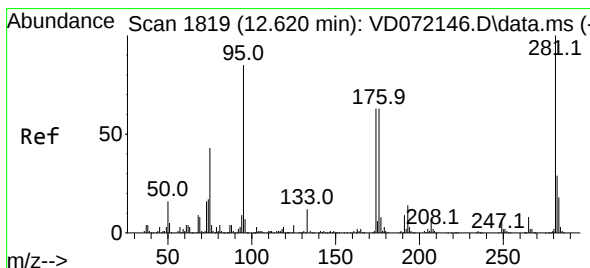
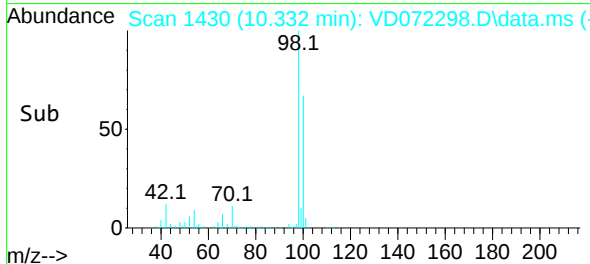
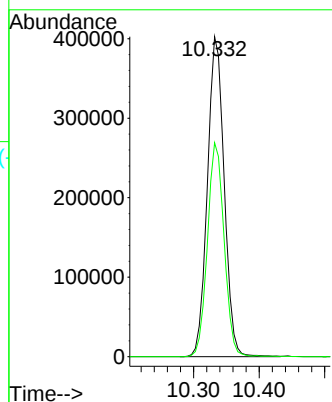
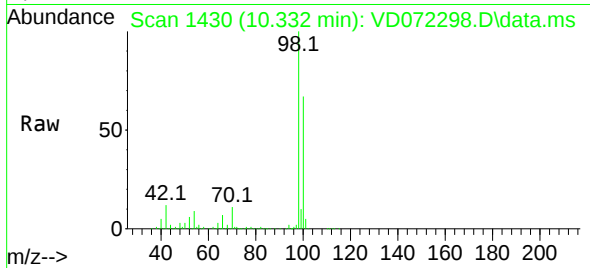




#50
Toluene-d8
Concen: 49.056 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

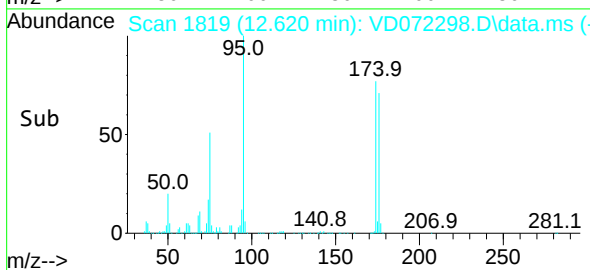
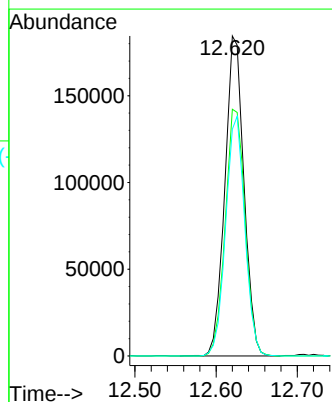
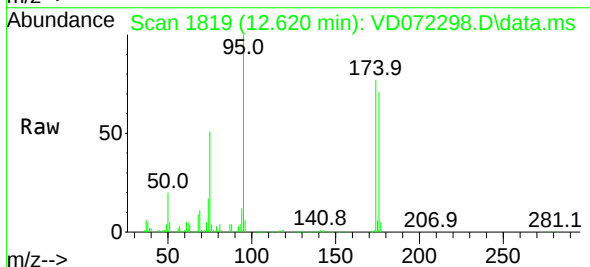
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

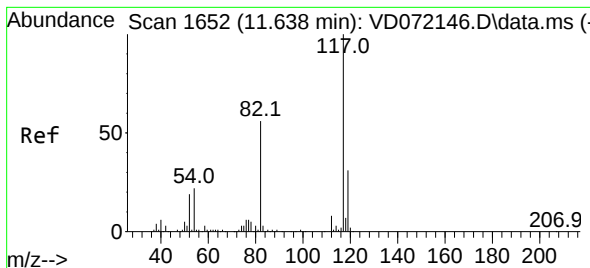
Tgt Ion: 98 Resp: 717589
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 53.020 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion: 95 Resp: 301352
Ion Ratio Lower Upper
95 100
174 79.9 0.0 152.8
176 74.8 0.0 145.4

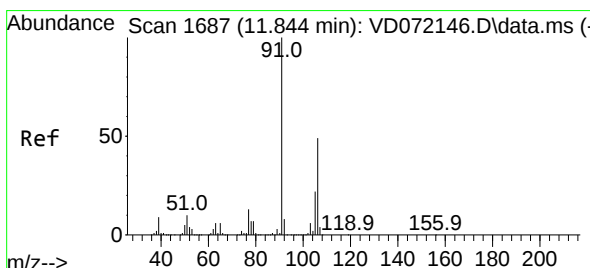
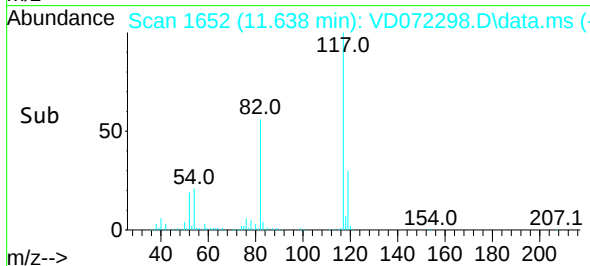
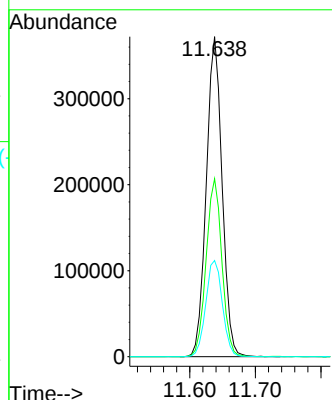
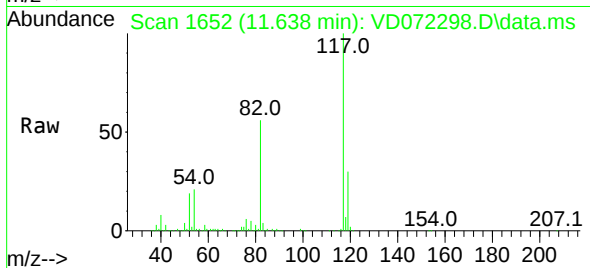




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

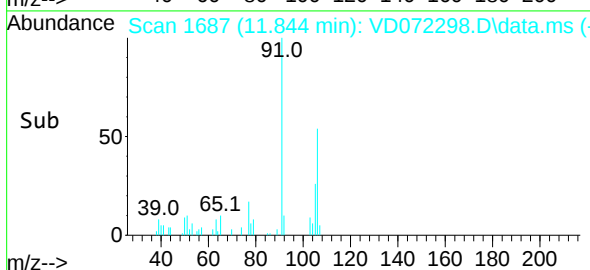
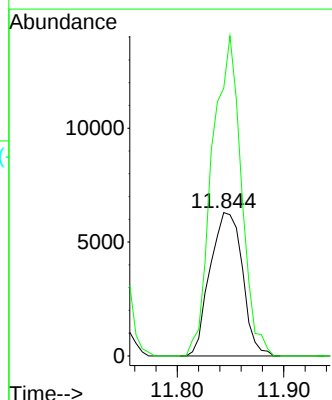
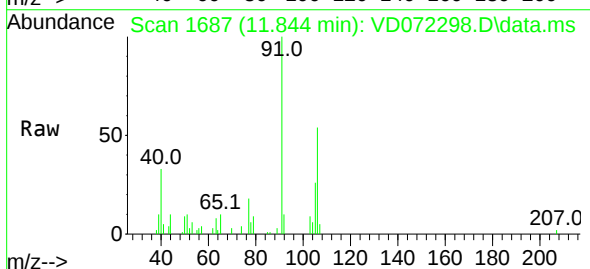
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

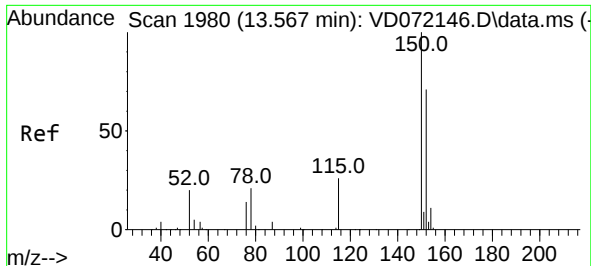
Tgt Ion:117 Resp: 624051
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 30.0 26.6 40.0



#68
m/p-Xylenes
Concen: 1.415 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion:106 Resp: 13273
Ion Ratio Lower Upper
106 100
91 200.6 163.7 245.5

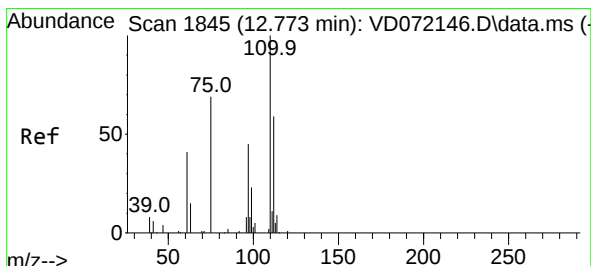
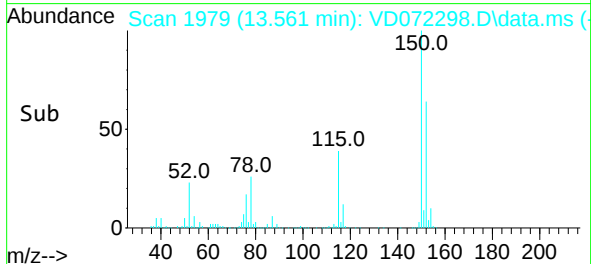
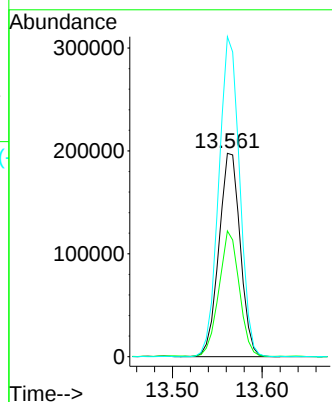
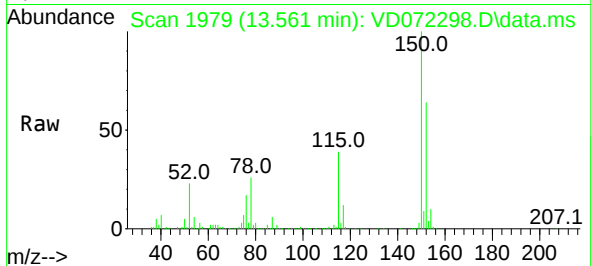




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

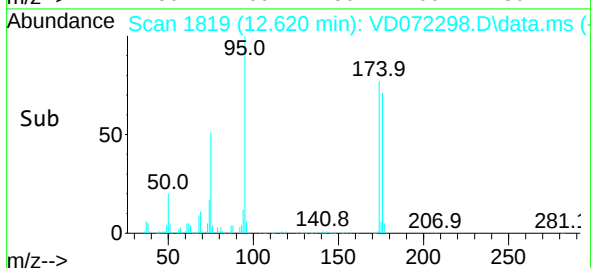
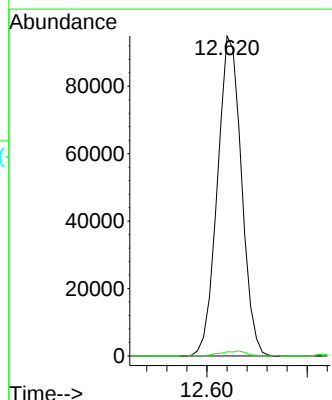
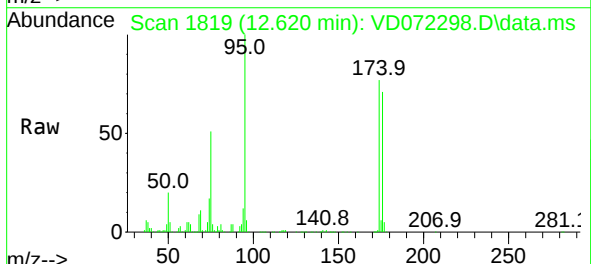
Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

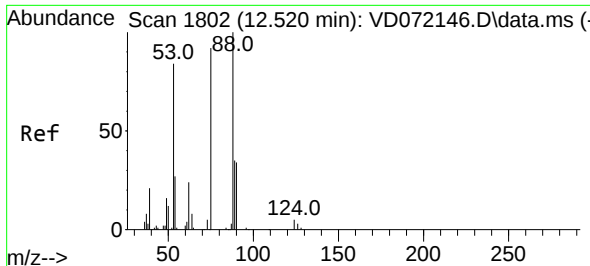
Tgt Ion:152 Resp: 326735
Ion Ratio Lower Upper
152 100
115 58.8 31.3 93.8
150 153.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.730 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion: 75 Resp: 157610
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

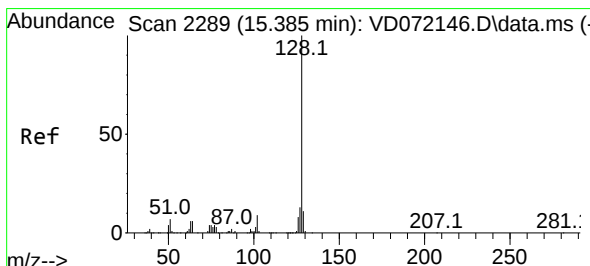
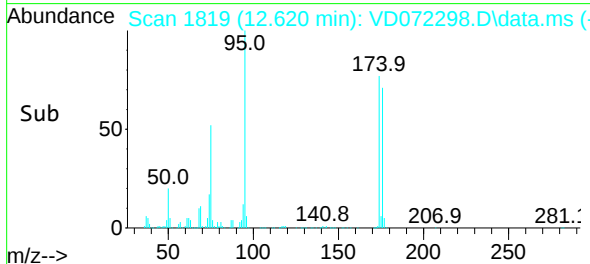
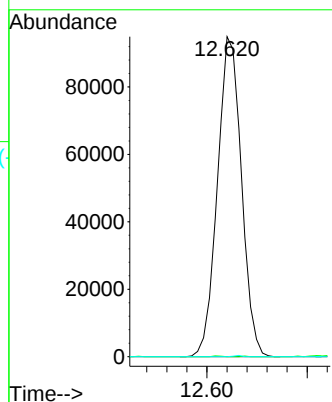
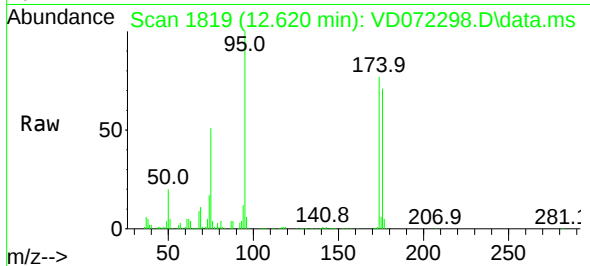




#81
trans-1,4-Dichloro-2-butene
Concen: 108.498 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Instrument :
MSVOA_D
ClientSampleId :
C-17-16-17

Tgt Ion: 75 Resp: 157610
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 73.426 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072298.D
Acq: 18 Mar 2022 19:08

Tgt Ion:128 Resp: 892331
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.4 12.6

