

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073331.D
 Acq On : 24 May 2022 18:15
 Operator : VA/SY
 Sample : N2949-18
 Misc : 7.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-2430-01

Quant Time: May 25 05:28:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

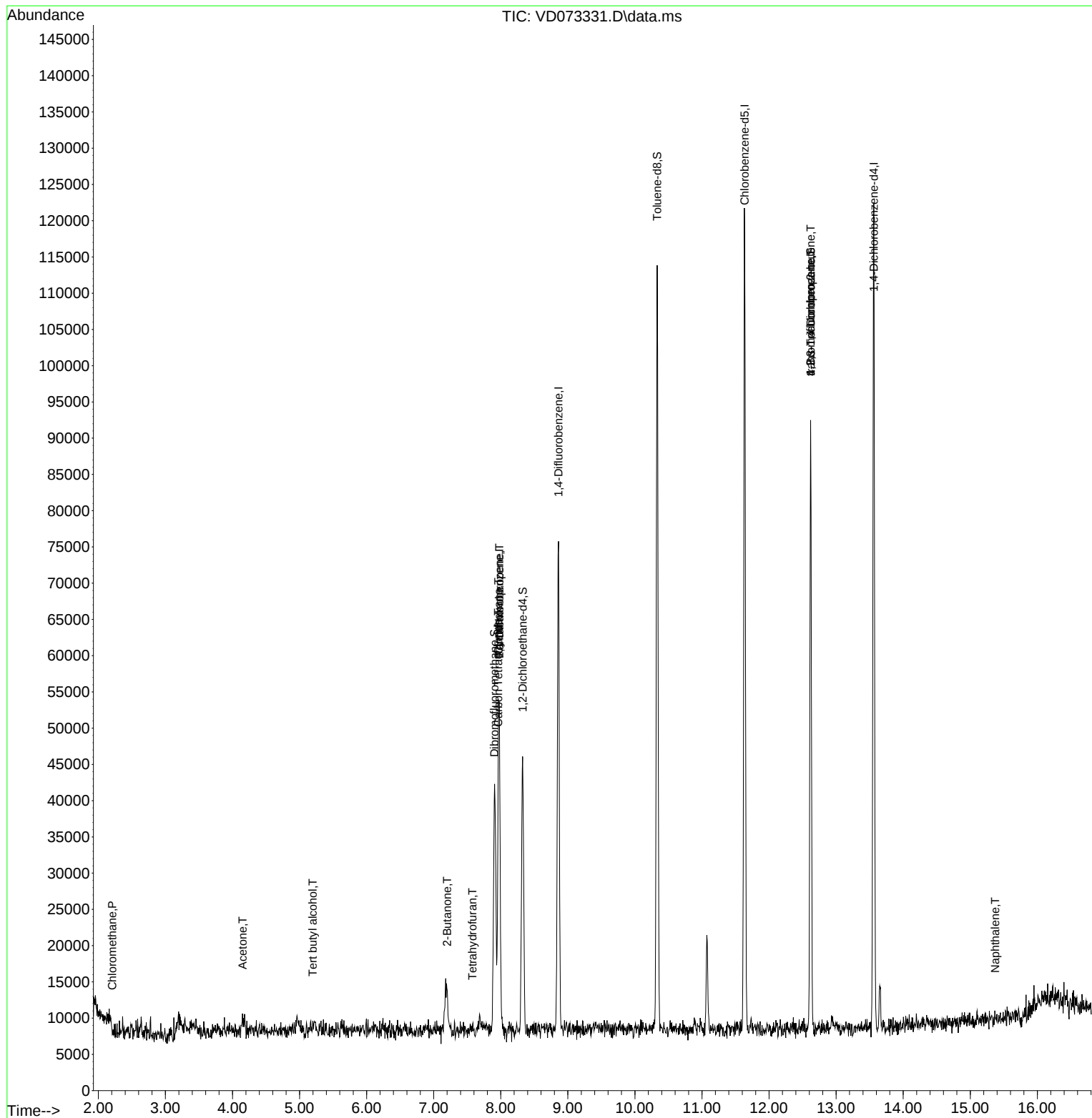
Internal Standards						
1) Pentafluorobenzene	7.979	168	33367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	55051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	64620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	30963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	29421	79.785	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 159.580%			
35) Dibromofluoromethane	7.902	113	25587	70.437	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 140.880%			
50) Toluene-d8	10.332	98	70627	52.743	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.480%			
62) 4-Bromofluorobenzene	12.620	95	27601	58.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.460%			
Target Compounds			Qvalue			
3) Chloromethane	2.208	50	386	1.024	ug/l #	40
5) Bromomethane	2.773	94	300	Below Cal	#	71
11) Tert butyl alcohol	5.196	59	1383	24.173	ug/l #	74
16) Acetone	4.149	43	1732	27.117	ug/l #	87
20) Methylene Chloride	4.967	84	1237	Below Cal	#	49
25) 2-Butanone	7.202	43	175	1.873	ug/l #	52
29) Tetrahydrofuran	7.579	42	277	4.584	ug/l #	38
31) Cyclohexane	7.967	56	814	1.263	ug/l #	46
36) 1,1-Dichloropropene	7.979	75	3352	6.135	ug/l #	45
38) Carbon Tetrachloride	7.961	117	4247	7.669	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	14238	46.866	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	14238	112.512	ug/l #	7
95) Naphthalene	15.372	128	159	3.687	ug/l #	70

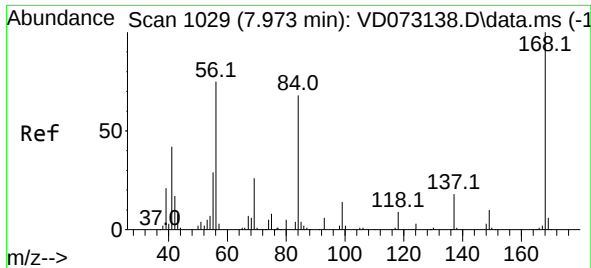
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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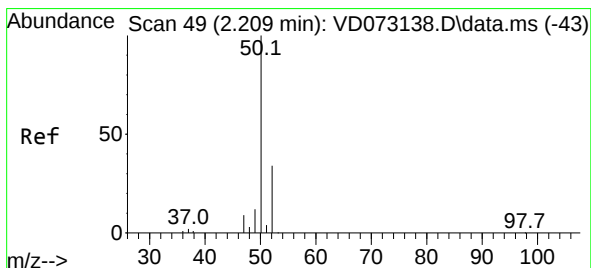
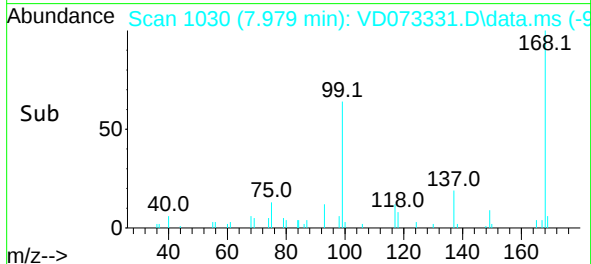
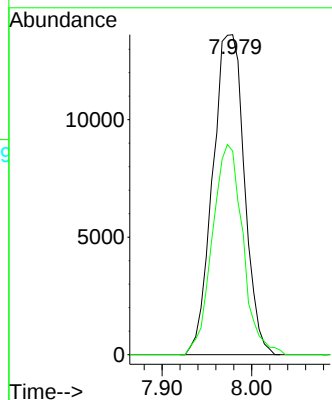
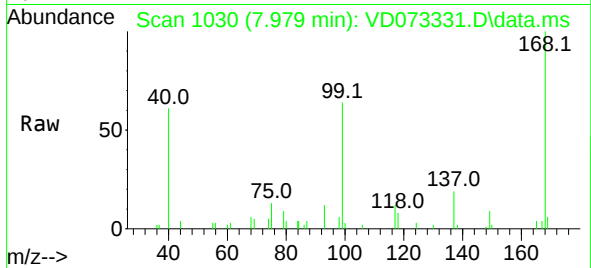




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

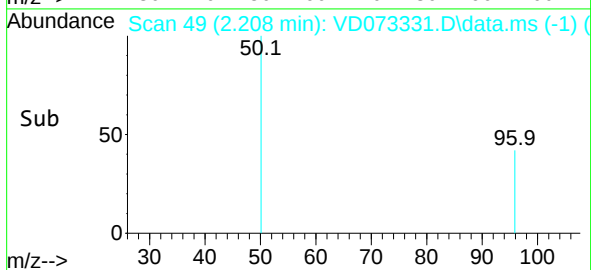
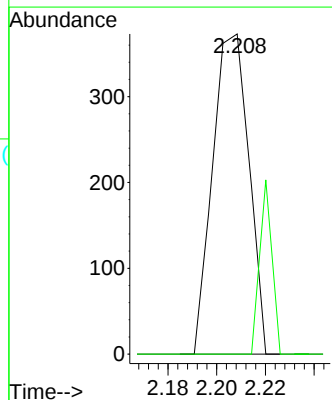
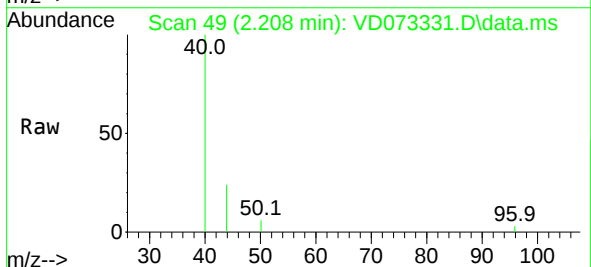
Instrument :
MSVOA_D
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P044-SS001-2430-01

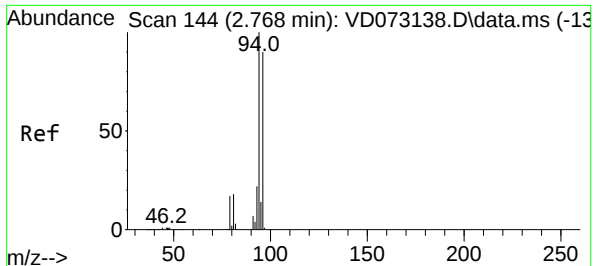
Tgt Ion:168 Resp: 33367
Ion Ratio Lower Upper
168 100
99 63.7 49.8 74.6



#3
Chloromethane
Concen: 1.024 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

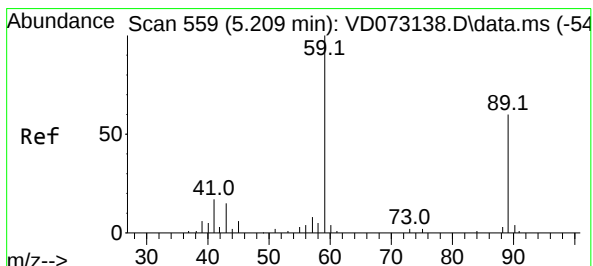
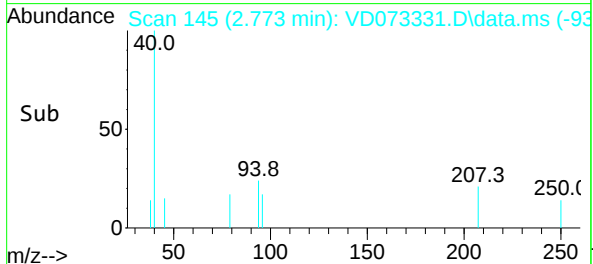
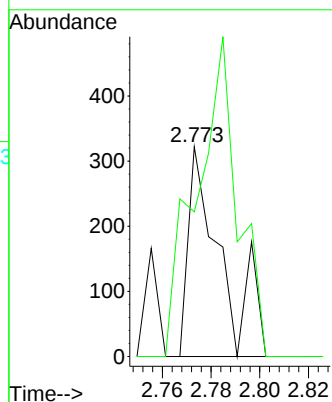
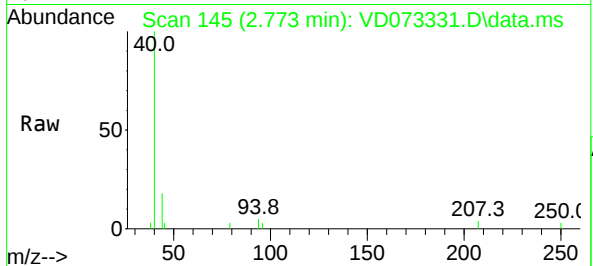




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

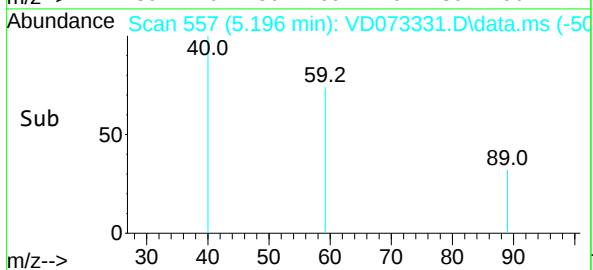
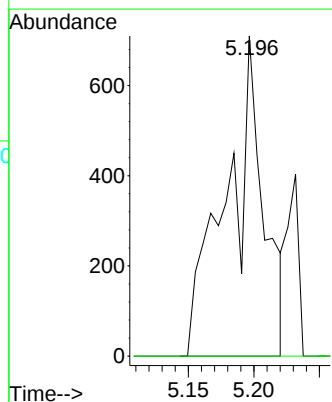
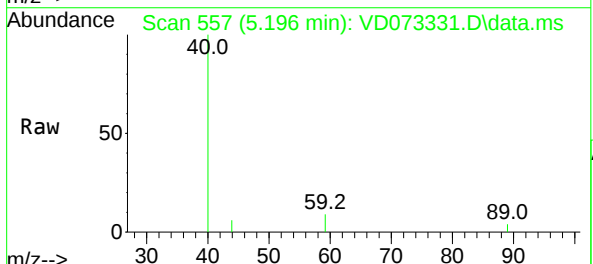
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-2430-01

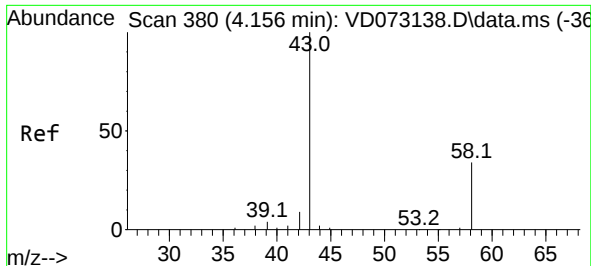
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 68.9 77.6 116.4#



#11
Tert butyl alcohol
Concen: 24.173 ug/l
RT: 5.196 min Scan# 557
Delta R.T. -0.013 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion: 59 Resp: 1383
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

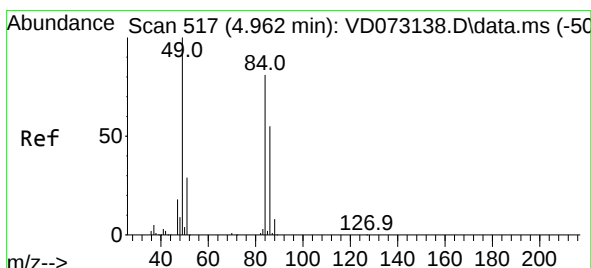
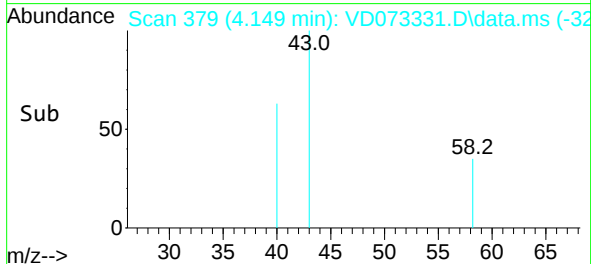
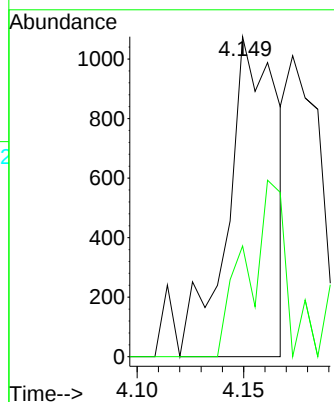
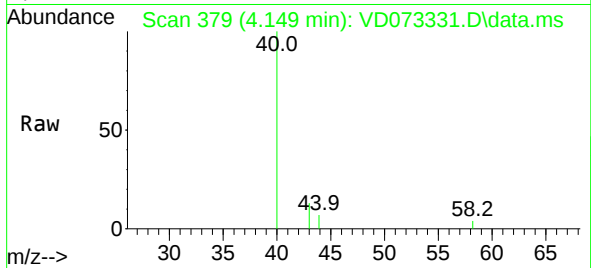




#16
Acetone
Concen: 27.117 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.007 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

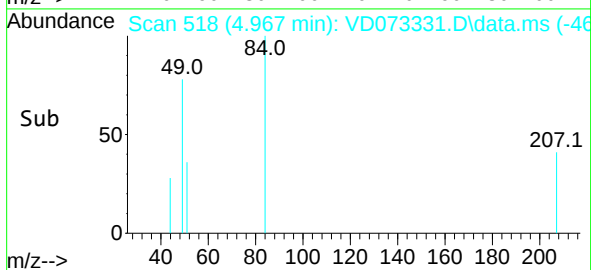
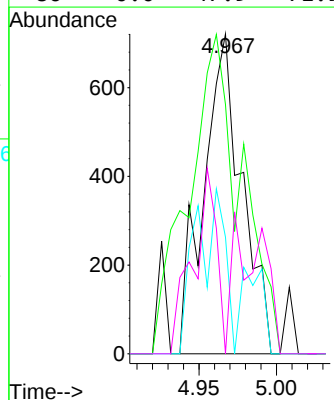
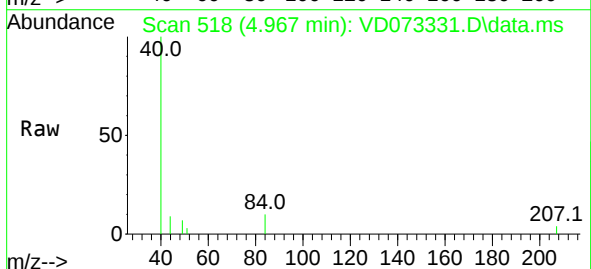
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-2430-01

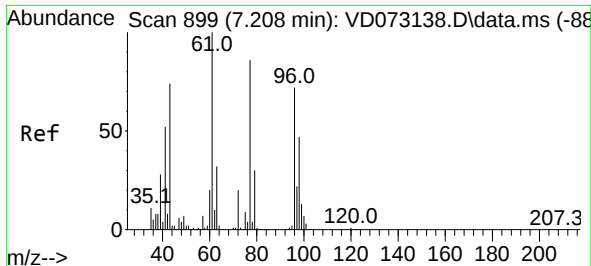
Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
58 34.6 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion: 84 Resp: 1237
Ion Ratio Lower Upper
84 100
49 77.9 112.8 169.2#
51 36.5 32.6 48.8
86 0.0 47.9 71.9#

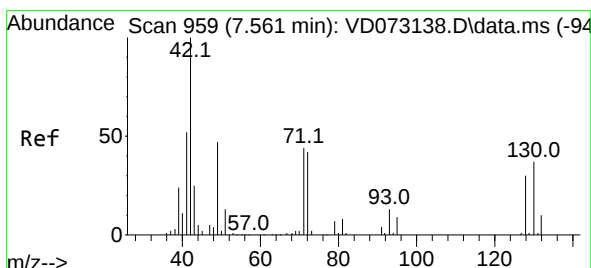
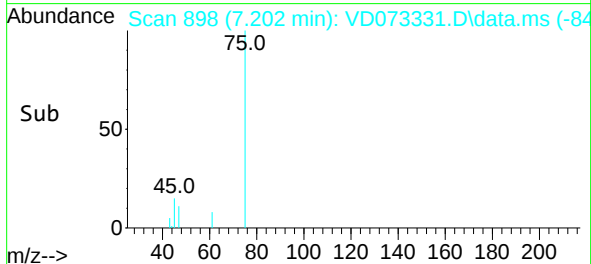
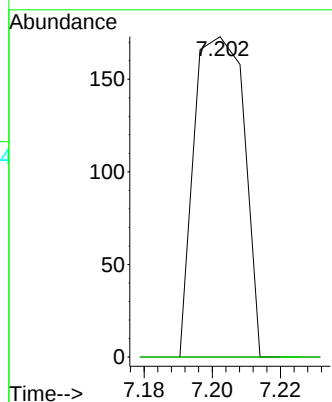
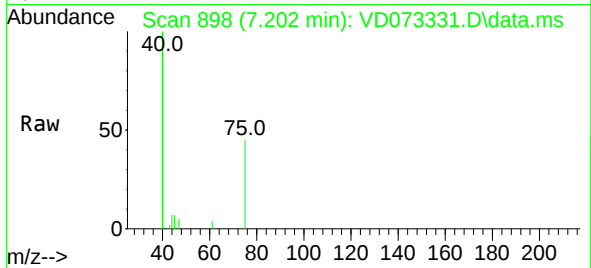




#25
2-Butanone
Concen: 1.873 ug/l
RT: 7.202 min Scan# 89
Delta R.T. -0.006 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

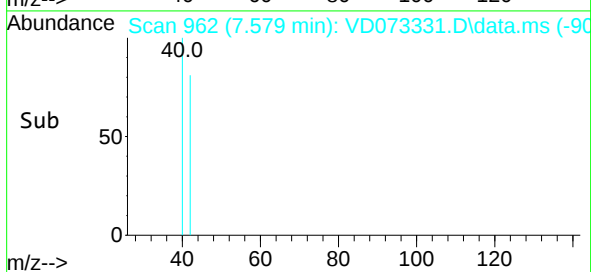
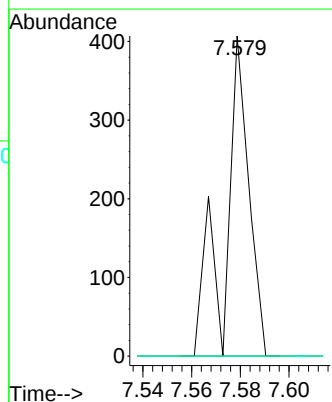
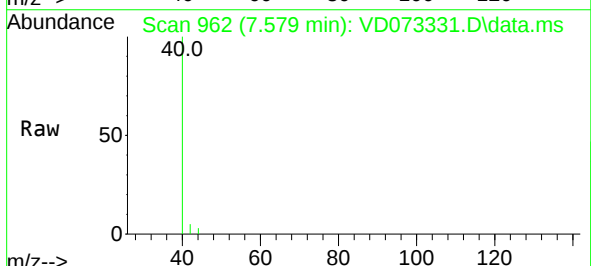
Instrument :
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ClientSampleId :
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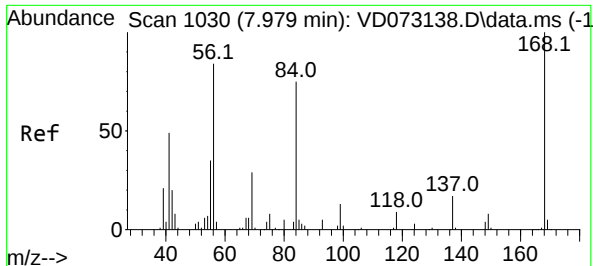
Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 4.584 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.018 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

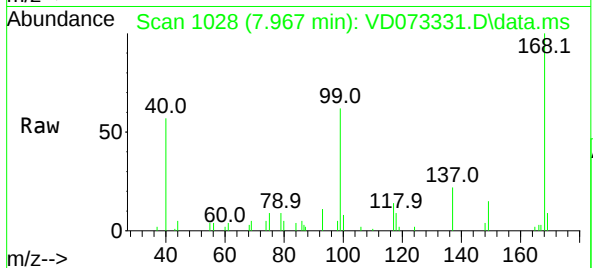
Tgt Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#



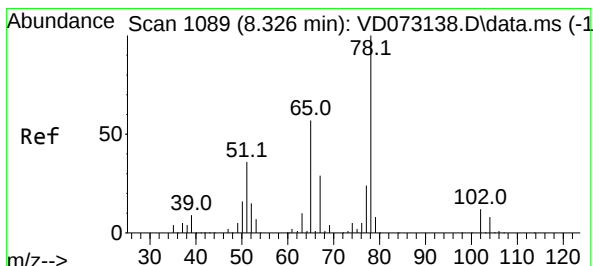
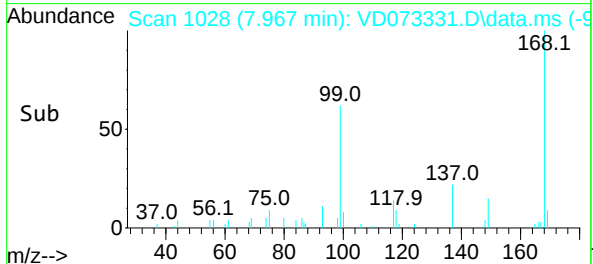
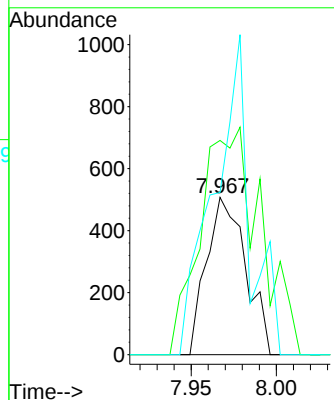


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Instrument :
MSVOA_D
ClientSampleId :
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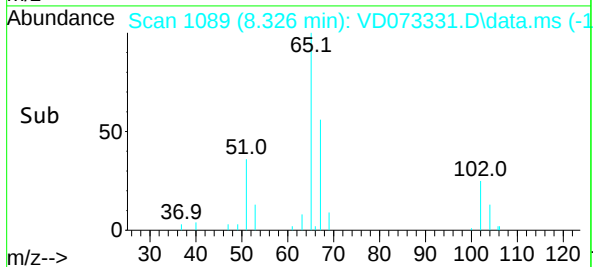
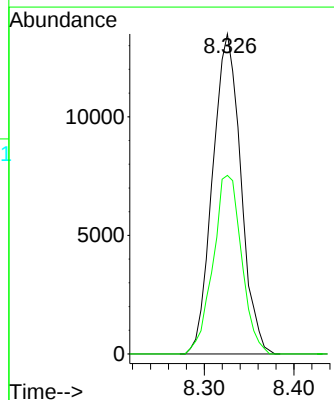
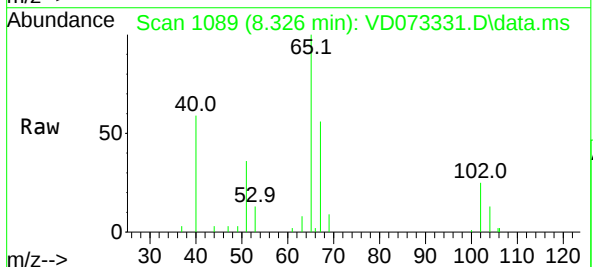


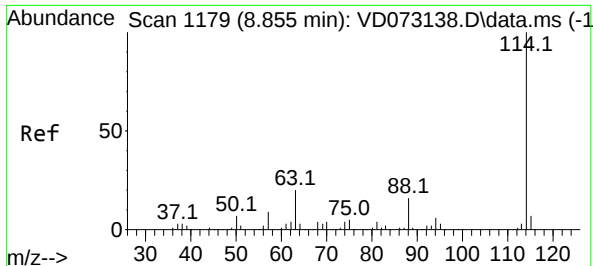
Tgt Ion: 56 Resp: 814
Ion Ratio Lower Upper
56 100
69 98.4 25.4 38.2#
84 103.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 79.785 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion: 65 Resp: 29421
Ion Ratio Lower Upper
65 100
67 56.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073331.D

Acq: 24 May 2022 18:15

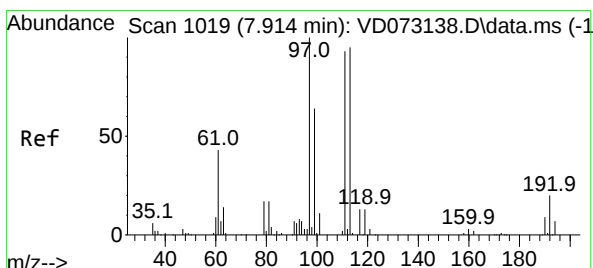
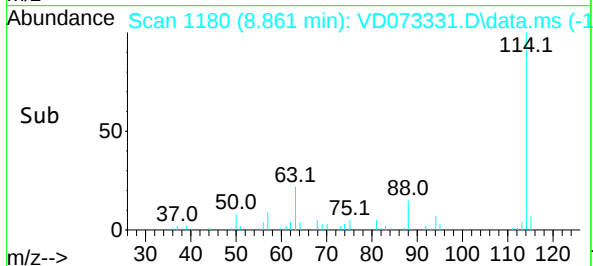
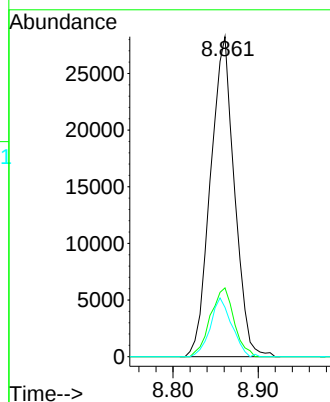
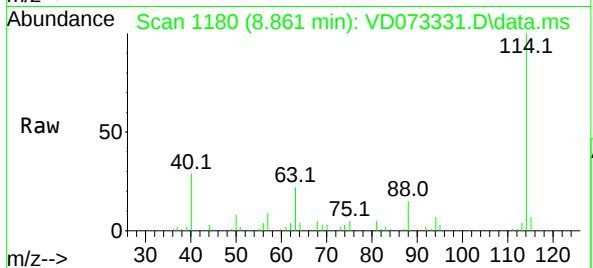
Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-2430-01

Tgt Ion:114	Resp:	55051
Ion Ratio	Lower	Upper
114	100	
63	21.5	0.0 46.6
88	15.4	0.0 33.2



#35

Dibromofluoromethane

Concen: 70.437 ug/l

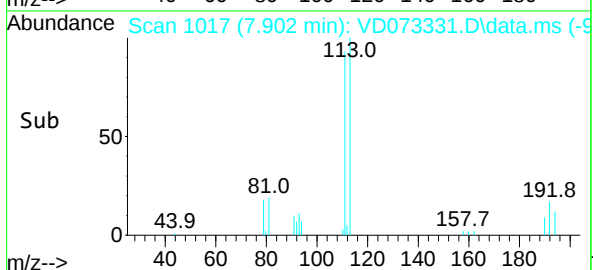
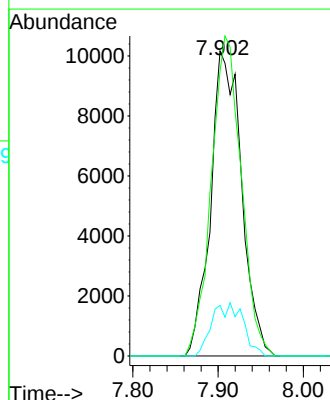
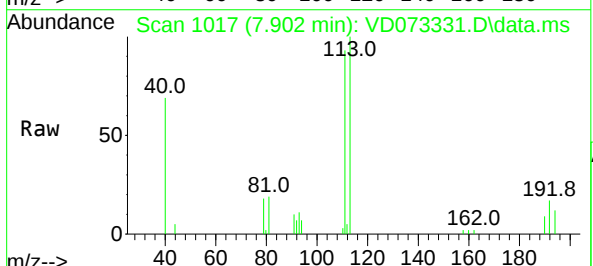
RT: 7.902 min Scan# 1017

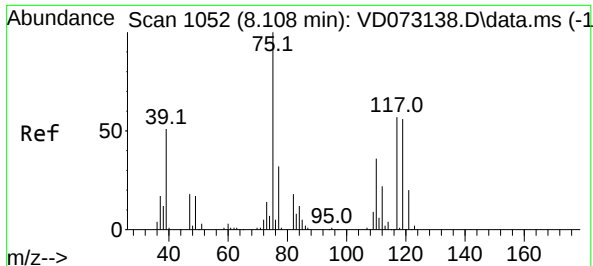
Delta R.T. -0.012 min

Lab File: VD073331.D

Acq: 24 May 2022 18:15

Tgt Ion:113	Resp:	25587
Ion Ratio	Lower	Upper
113	100	
111	101.6	83.8 125.6
192	8.5	14.6 21.8#





#36

1,1-Dichloropropene

Concen: 6.135 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073331.D

Acq: 24 May 2022 18:15

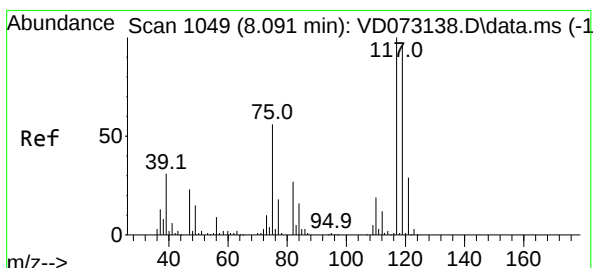
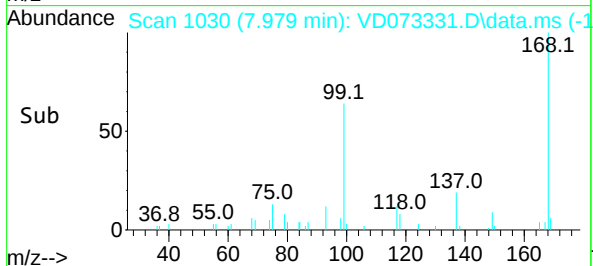
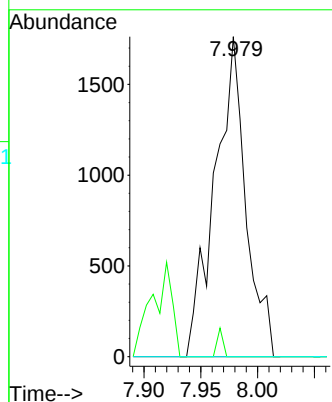
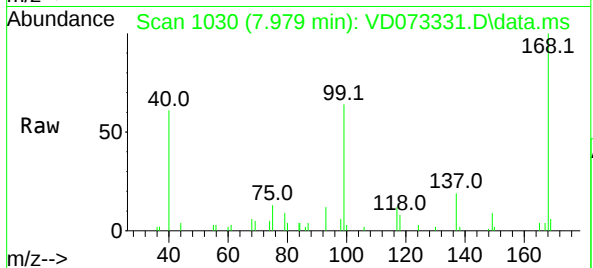
Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-2430-01

Tgt Ion: 75	Resp: 3352
Ion Ratio	Lower Upper
75	100
110	1.7 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 7.669 ug/l

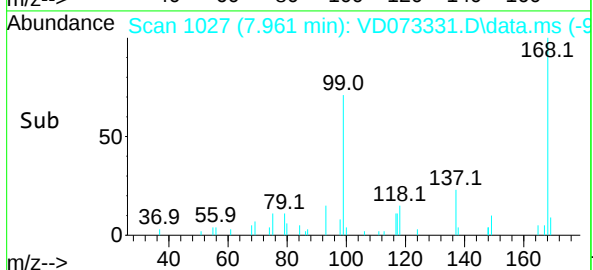
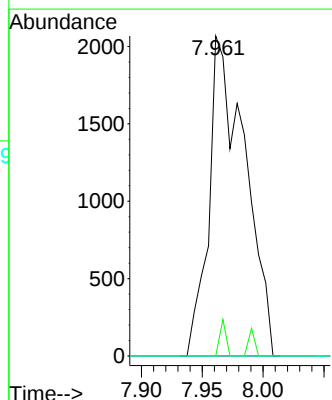
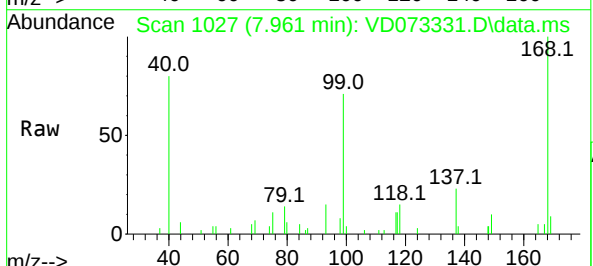
RT: 7.961 min Scan# 1027

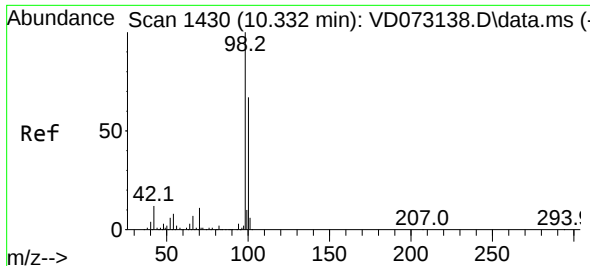
Delta R.T. -0.130 min

Lab File: VD073331.D

Acq: 24 May 2022 18:15

Tgt Ion: 117	Resp: 4247
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 24.5 36.7#

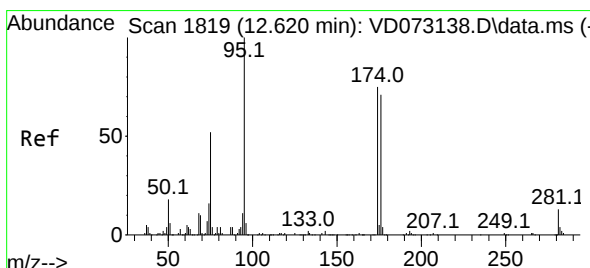
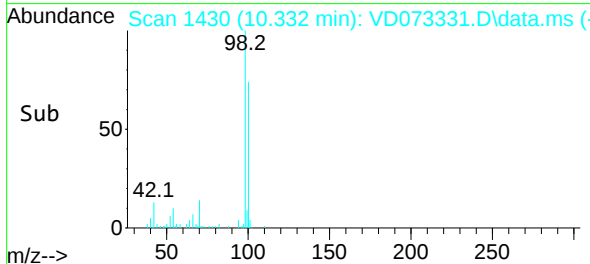
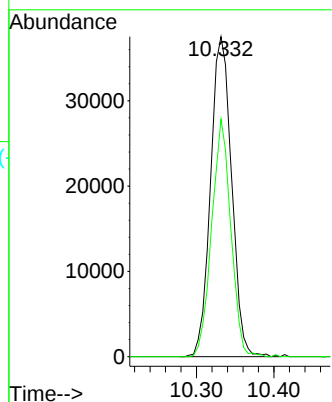
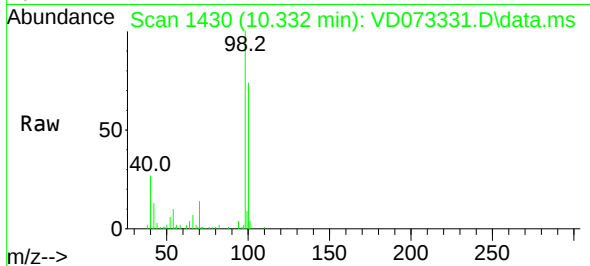




#50
Toluene-d8
Concen: 52.743 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.001 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

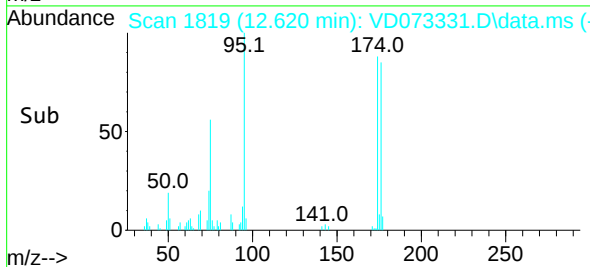
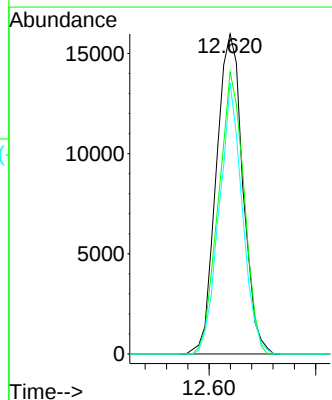
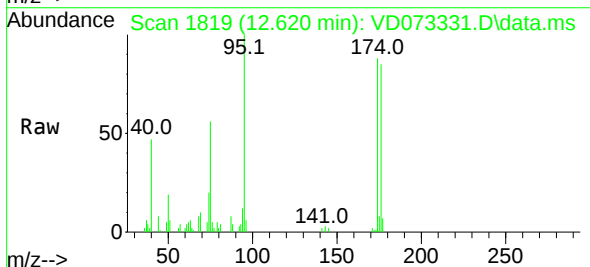
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-2430-01

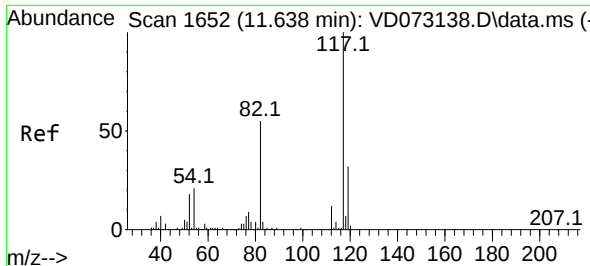
Tgt Ion: 98 Resp: 70627
Ion Ratio Lower Upper
98 100
100 67.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 58.733 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion: 95 Resp: 27601
Ion Ratio Lower Upper
95 100
174 84.6 0.0 152.8
176 73.7 0.0 145.4

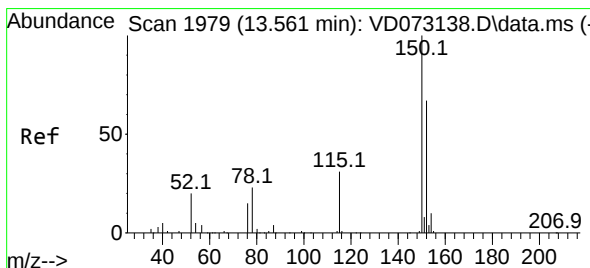
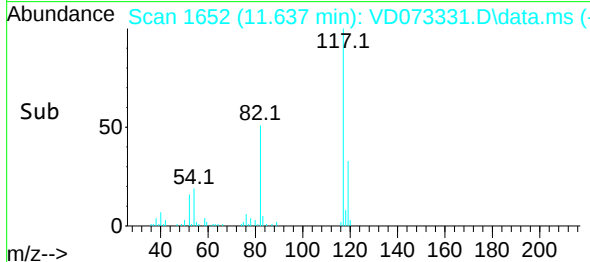
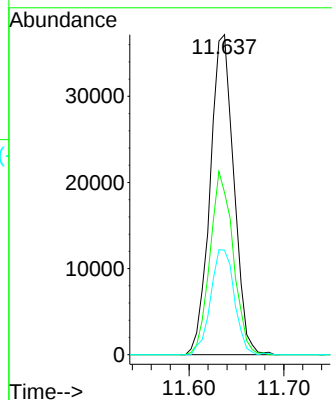
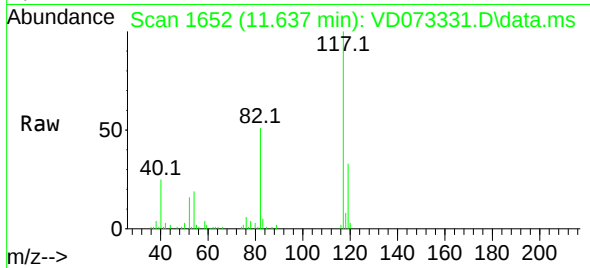




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

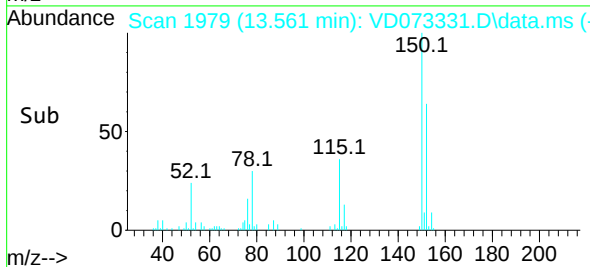
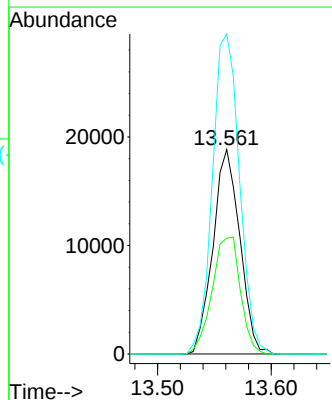
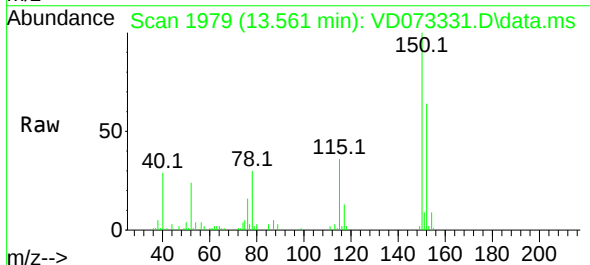
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-2430-01

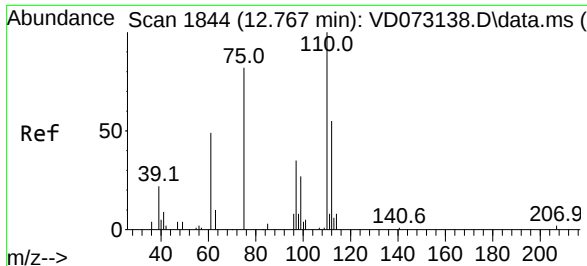
Tgt Ion:117 Resp: 64620
Ion Ratio Lower Upper
117 100
82 50.7 45.3 67.9
119 32.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion:152 Resp: 30963
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 157.6 0.0 348.6

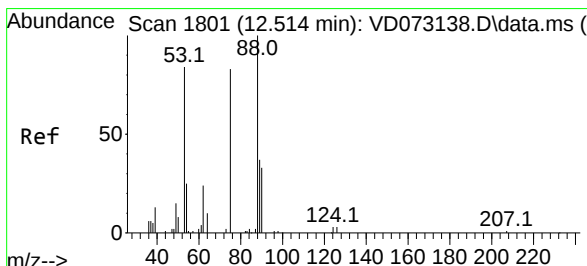
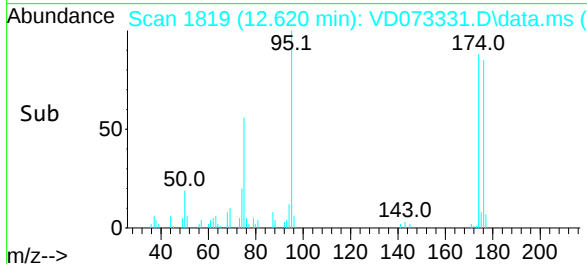
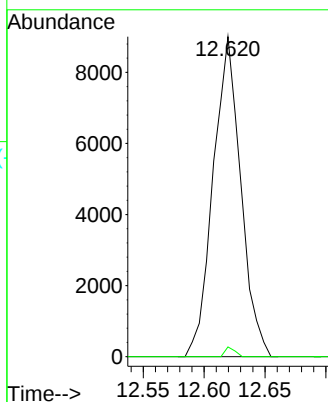
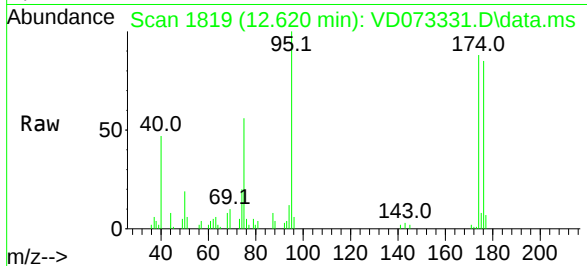




#76
1,2,3-Trichloropropane
Concen: 46.866 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

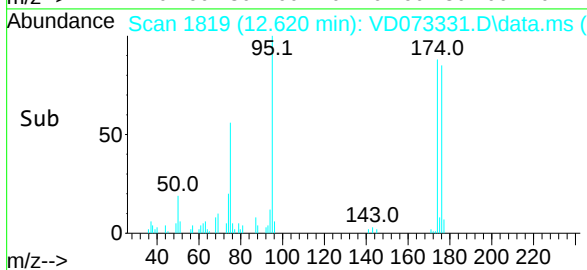
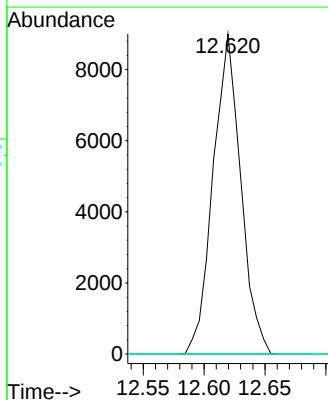
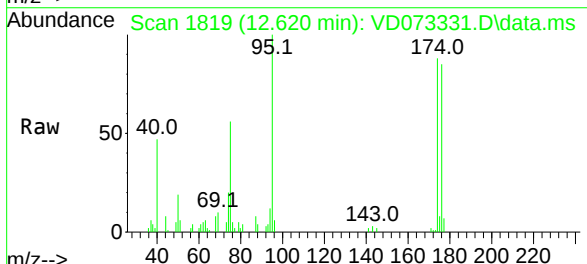
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-2430-01

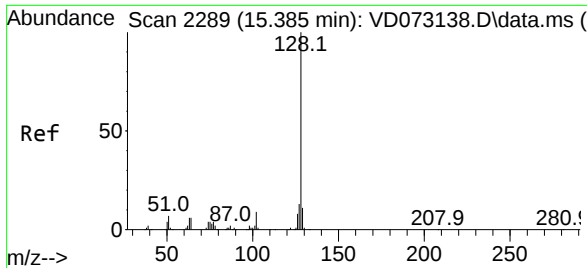
Tgt Ion: 75 Resp: 14238
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.512 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073331.D
Acq: 24 May 2022 18:15

Tgt Ion: 75 Resp: 14238
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 3.687 ug/l

RT: 15.372 min Scan# 21

Delta R.T. -0.013 min

Lab File: VD073331.D

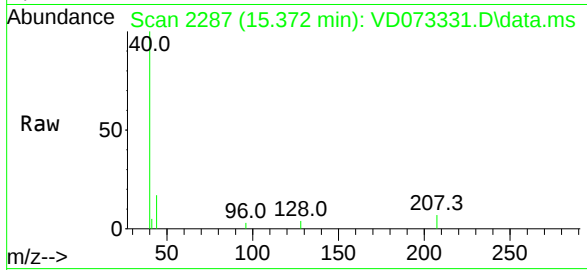
Acq: 24 May 2022 18:15

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-2430-01



Tgt Ion:	128	Resp:	159
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

