

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073233.D
 Acq On : 21 May 2022 16:54
 Operator : VA/SY
 Sample : N2870-04
 Misc : 5.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1824-01

Quant Time: May 22 01:32:43 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)

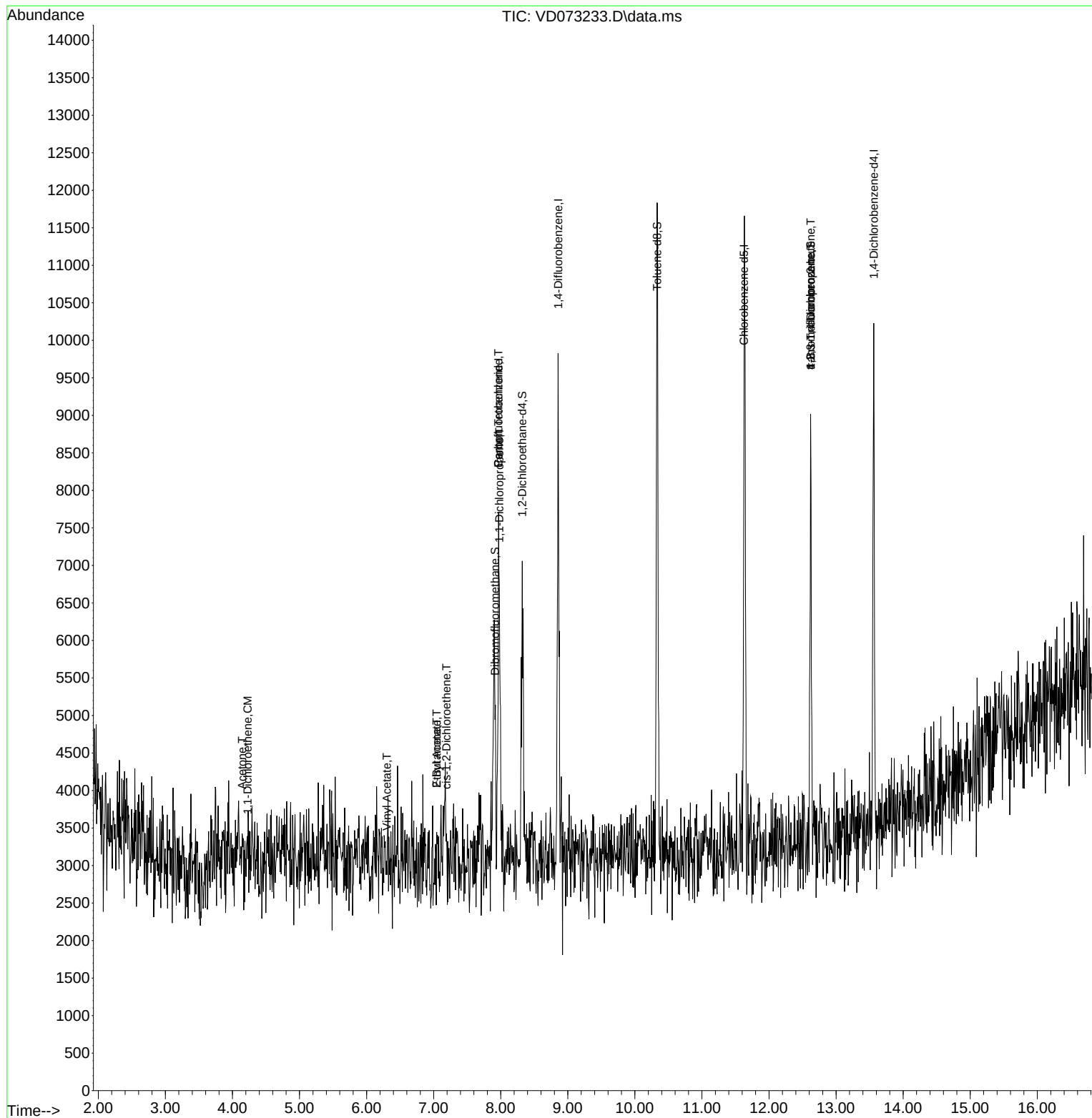
Internal Standards						
1) Pentafluorobenzene	7.967	168	3760	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.856	114	5717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.626	117	5580	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.561	152	1887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	2782	66.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.900%			
35) Dibromofluoromethane	7.914	113	2721	72.128	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 144.260%			
50) Toluene-d8	10.332	98	6405	46.059	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.120%			
62) 4-Bromofluorobenzene	12.620	95	2156	44.178	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.360%			
Target Compounds						
5) Bromomethane	2.815	94	55	Below Cal		Qvalue 98
12) 1,1-Dichloroethene	4.226	96	64	1.694	ug/l #	1
16) Acetone	4.144	43	110	15.283	ug/l #	47
23) Vinyl Acetate	6.303	43	88	1.290	ug/l #	75
25) 2-Butanone	7.044	43	57	5.413	ug/l #	52
27) cis-1,2-Dichloroethene	7.191	96	56	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	74	1.304	ug/l #	43
37) Ethyl Acetate	7.044	43	57	2.543	ug/l #	72
38) Carbon Tetrachloride	7.967	117	325	5.651	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	990	53.471	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	990	128.367	ug/l #	7

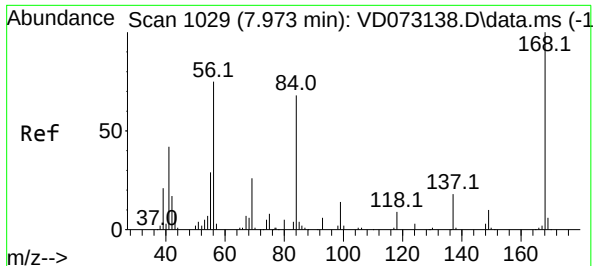
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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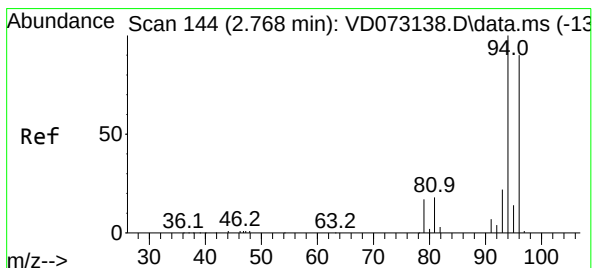
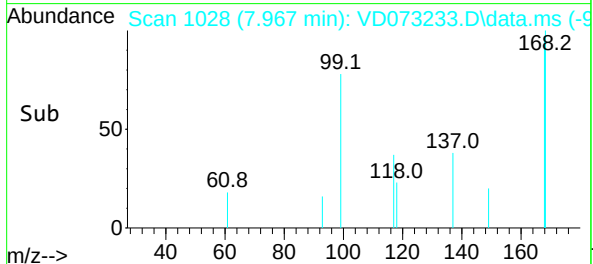
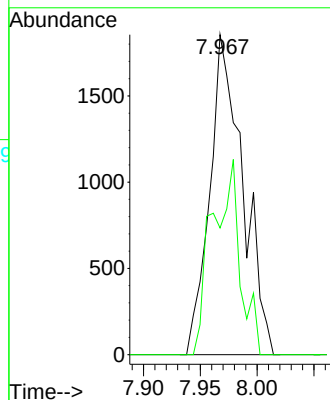
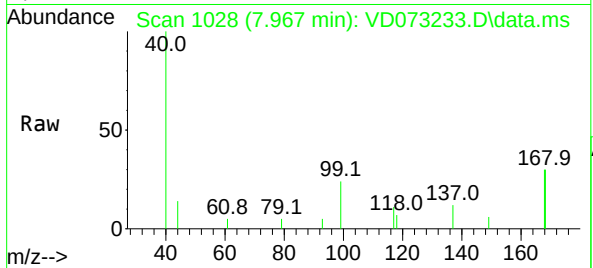




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073233.D
Acq: 21 May 2022 16:54

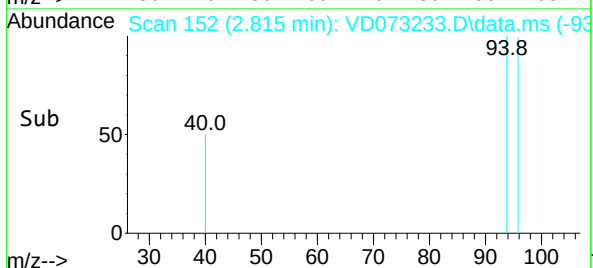
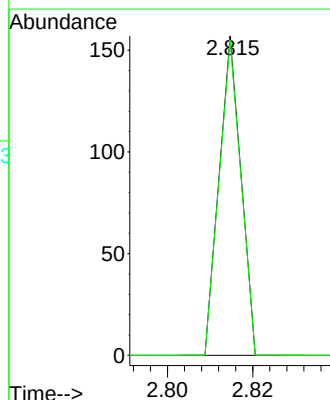
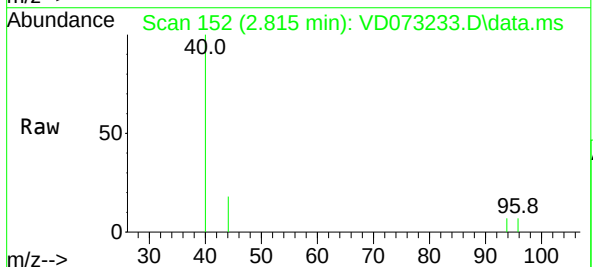
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

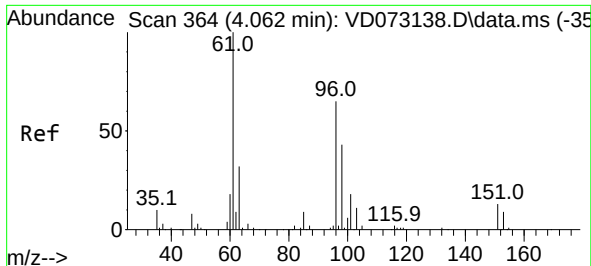
Tgt Ion:168 Resp: 3760
Ion Ratio Lower Upper
168 100
99 39.6 49.8 74.6#



#5
Bromomethane
Concen: Below Cal
RT: 2.815 min Scan# 152
Delta R.T. 0.047 min
Lab File: VD073233.D
Acq: 21 May 2022 16:54

Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 98.7 77.6 116.4





#12

1,1-Dichloroethene

Concen: 1.694 ug/l

RT: 4.226 min Scan# 392

Delta R.T. 0.164 min

Lab File: VD073233.D

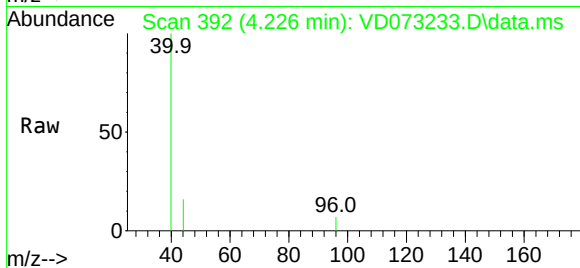
Acq: 21 May 2022 16:54

Instrument :

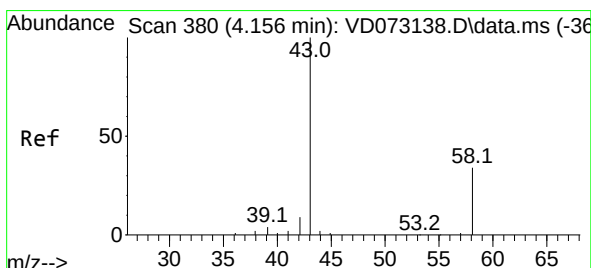
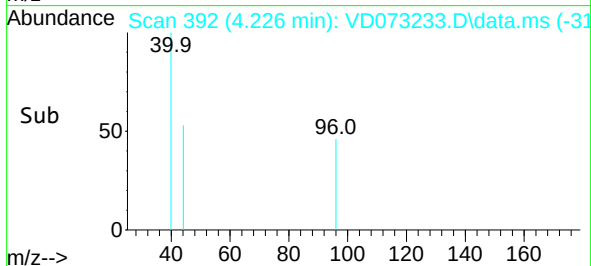
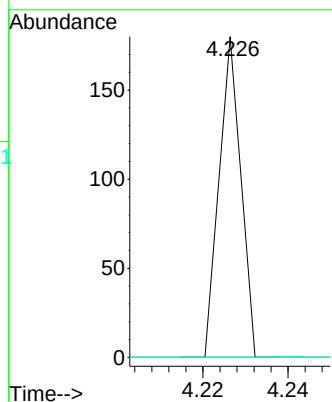
MSVOA_D

ClientSampleId :

P033-SS001-1824-01



Tgt Ion:	96	Resp:	64
Ion	Ratio	Lower	Upper
96	100		
61	0.0	138.5	207.7#
98	0.0	48.6	73.0#



#16

Acetone

Concen: 15.283 ug/l

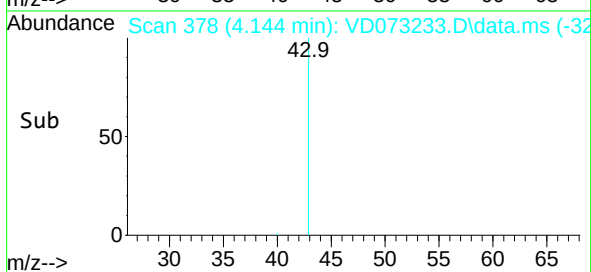
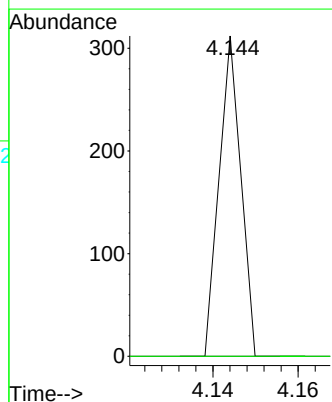
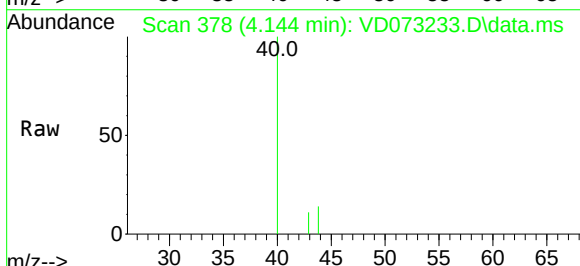
RT: 4.144 min Scan# 378

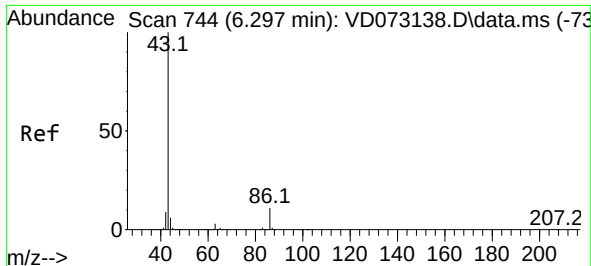
Delta R.T. -0.012 min

Lab File: VD073233.D

Acq: 21 May 2022 16:54

Tgt Ion:	43	Resp:	110
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#

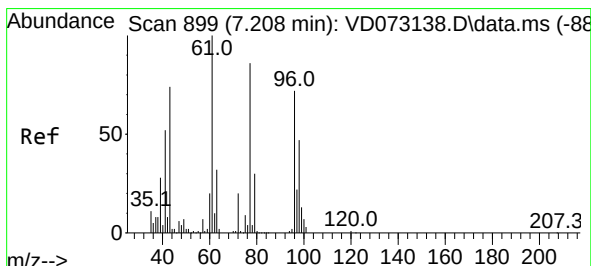
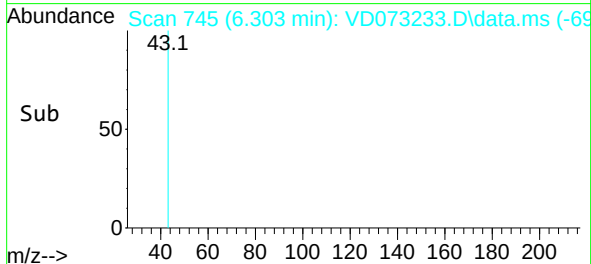
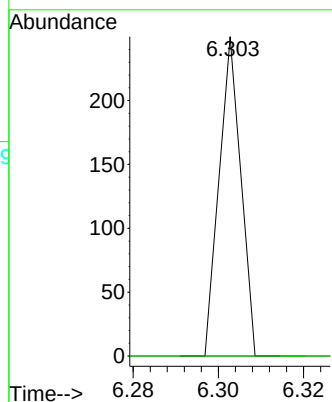
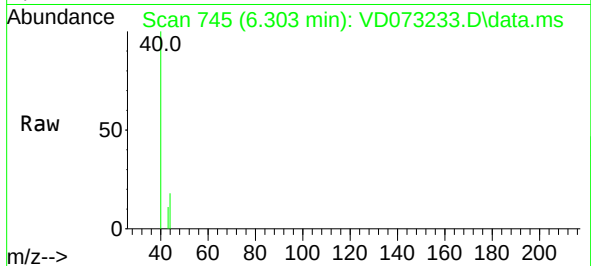




#23
 Vinyl Acetate
 Concen: 1.290 ug/l
 RT: 6.303 min Scan# 744
 Delta R.T. 0.006 min
 Lab File: VD073233.D
 Acq: 21 May 2022 16:54

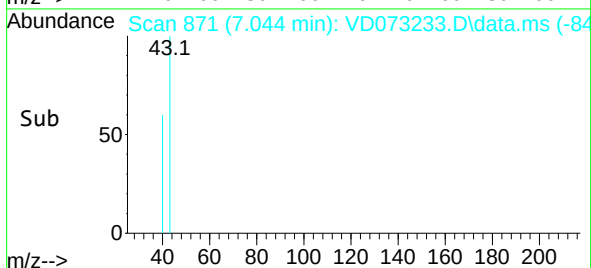
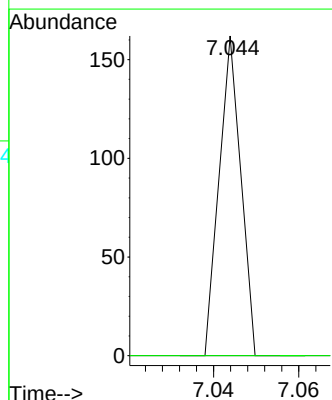
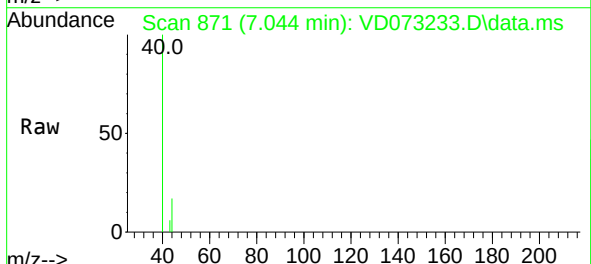
Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1824-01

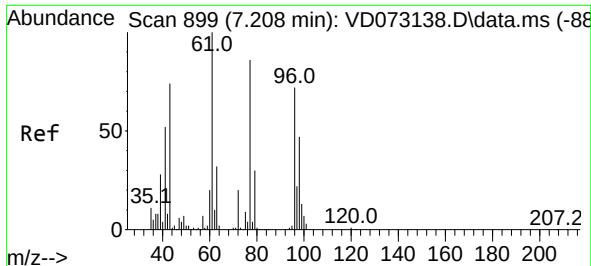
Tgt Ion: 43 Resp: 88
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 5.413 ug/l
 RT: 7.044 min Scan# 871
 Delta R.T. -0.164 min
 Lab File: VD073233.D
 Acq: 21 May 2022 16:54

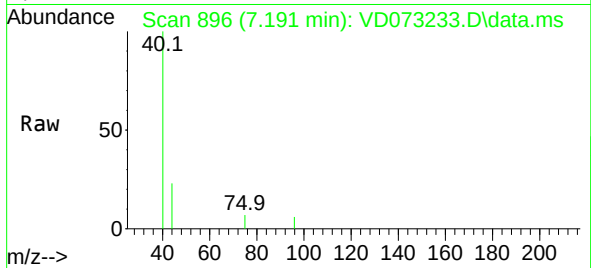
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



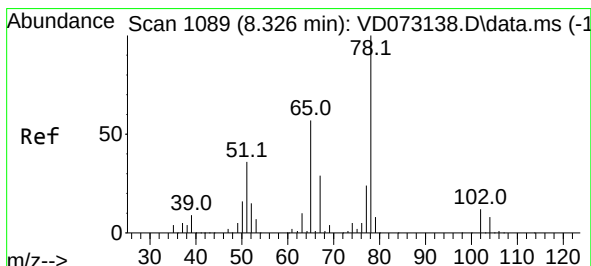
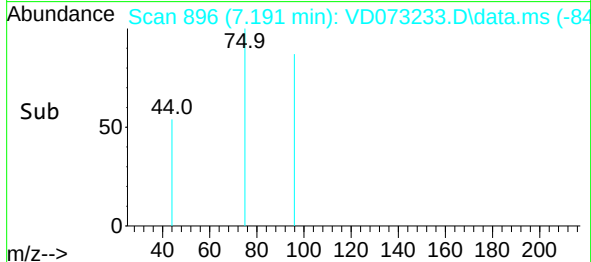
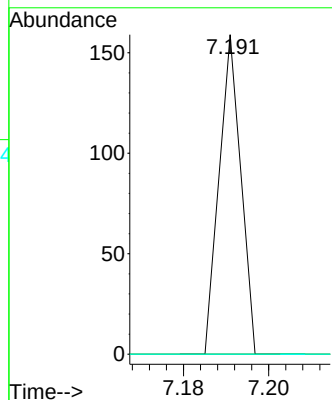


#27
 cis-1,2-Dichloroethene
 Concen: 1.108 ug/l
 RT: 7.191 min Scan# 899
 Delta R.T. -0.017 min
 Lab File: VD073233.D
 Acq: 21 May 2022 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1824-01

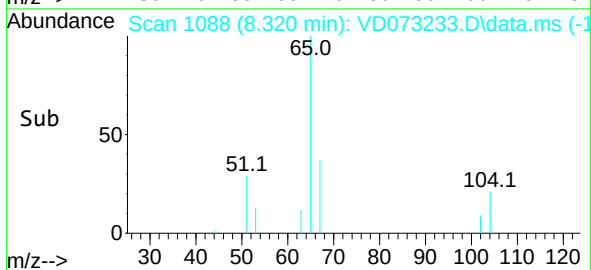
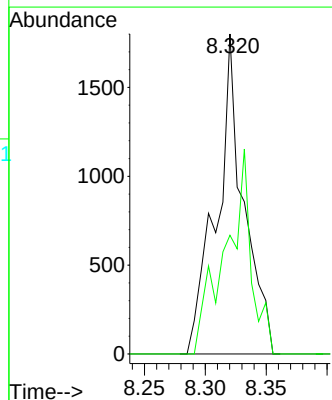
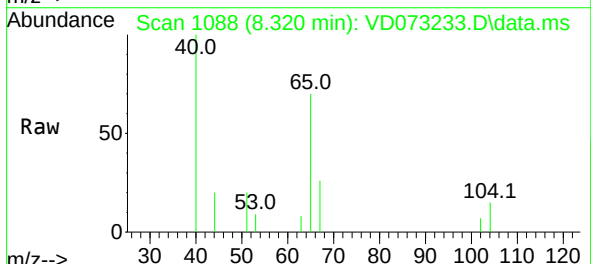


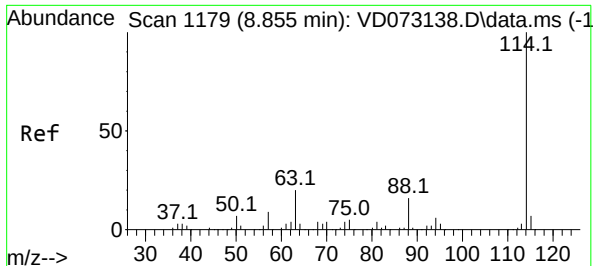
Tgt Ion: 96 Resp: 56
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 313.8
 98 0.0 0.0 128.8



#33
 1,2-Dichloroethane-d4
 Concen: 66.950 ug/l
 RT: 8.320 min Scan# 1088
 Delta R.T. -0.006 min
 Lab File: VD073233.D
 Acq: 21 May 2022 16:54

Tgt Ion: 65 Resp: 2782
 Ion Ratio Lower Upper
 65 100
 67 62.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073233.D

Acq: 21 May 2022 16:54

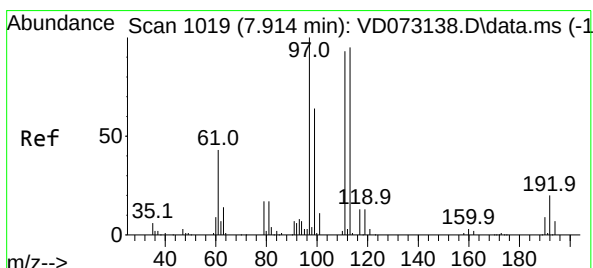
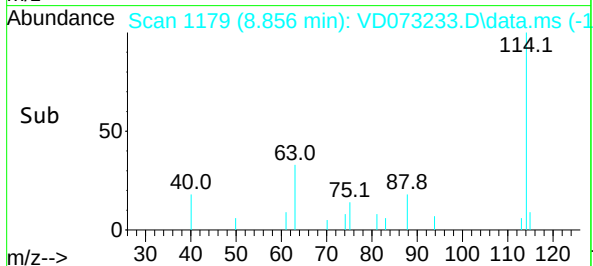
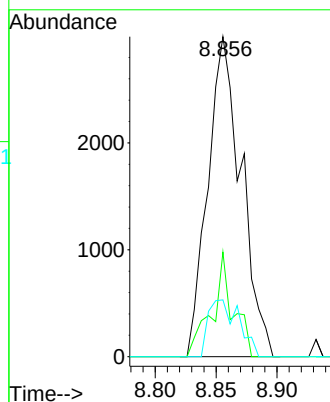
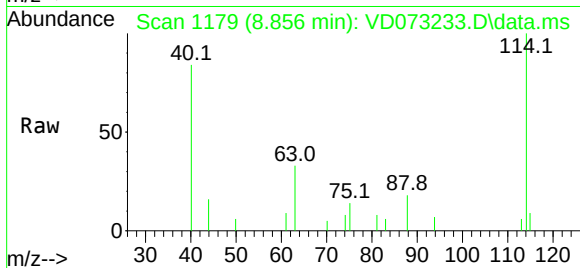
Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-1824-01

Tgt Ion:114	Resp:	5717
Ion Ratio	Lower	Upper
114	100	
63	32.7	0.0 46.6
88	17.7	0.0 33.2



#35

Dibromofluoromethane

Concen: 72.128 ug/l

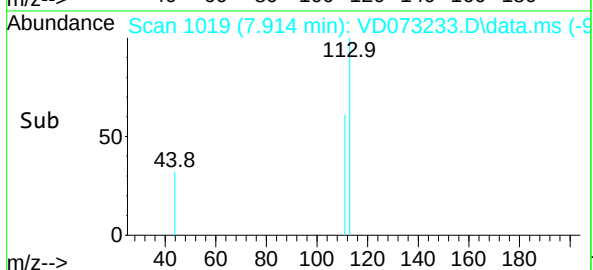
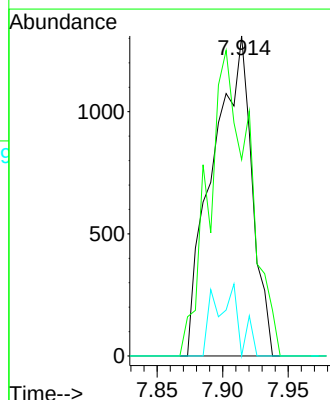
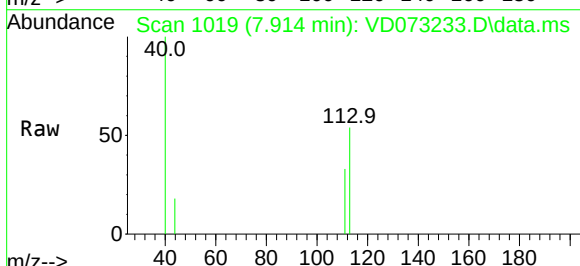
RT: 7.914 min Scan# 1019

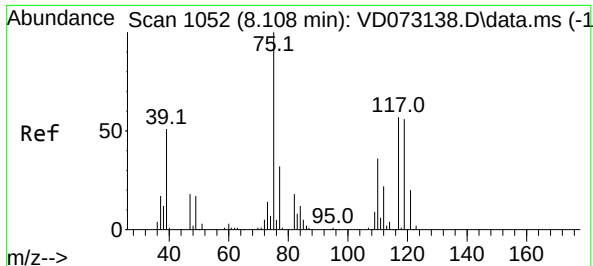
Delta R.T. 0.000 min

Lab File: VD073233.D

Acq: 21 May 2022 16:54

Tgt Ion:113	Resp:	2721
Ion Ratio	Lower	Upper
113	100	
111	99.3	83.8 125.6
192	14.0	14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.304 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073233.D

Acq: 21 May 2022 16:54

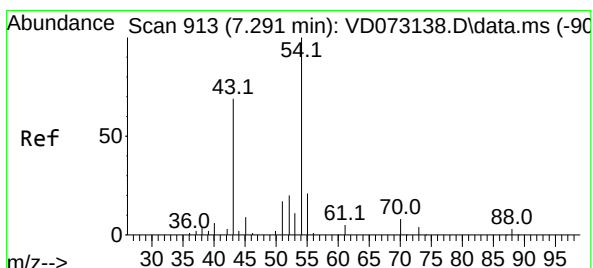
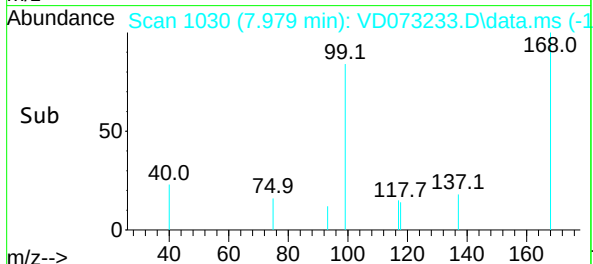
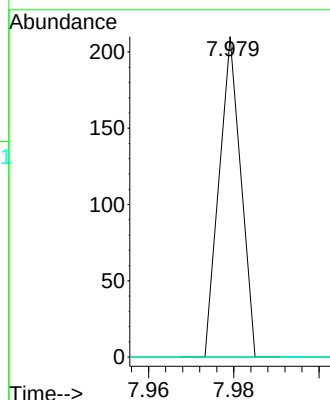
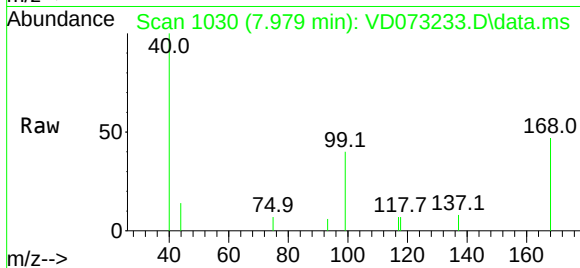
Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-1824-01

Tgt Ion: 75	Resp:	74
Ion	Ratio	Lower Upper
75	100	
110	0.0	16.4 49.1#
77	0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 2.543 ug/l

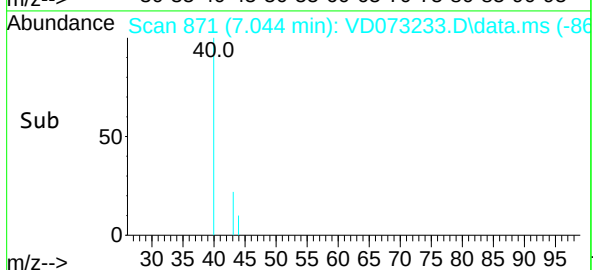
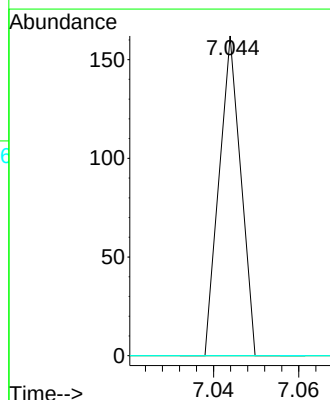
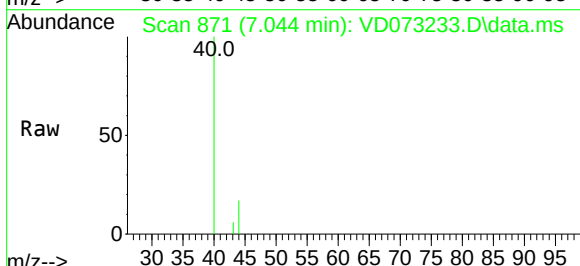
RT: 7.044 min Scan# 871

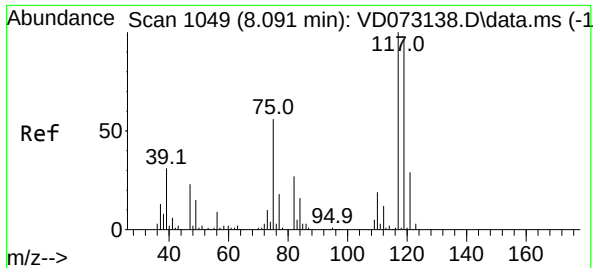
Delta R.T. -0.247 min

Lab File: VD073233.D

Acq: 21 May 2022 16:54

Tgt Ion: 43	Resp:	57
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.8 14.8#
70	0.0	6.9 10.3#

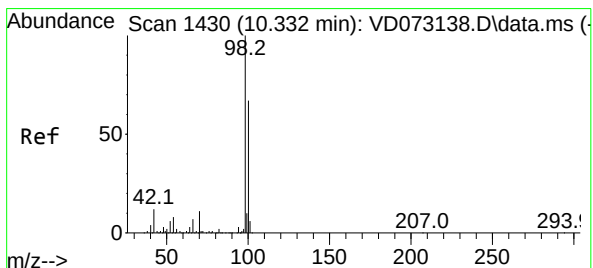
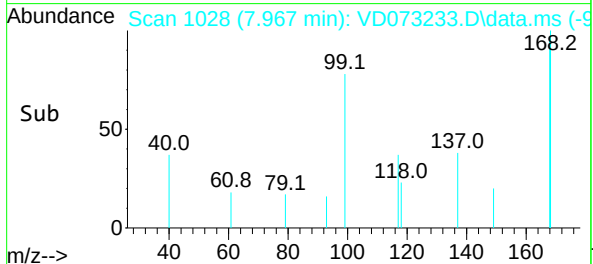
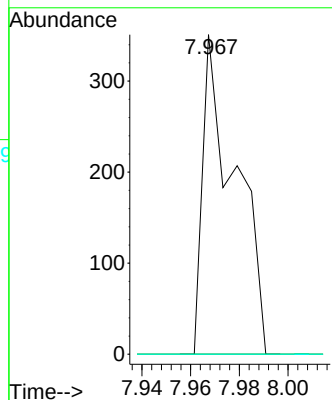
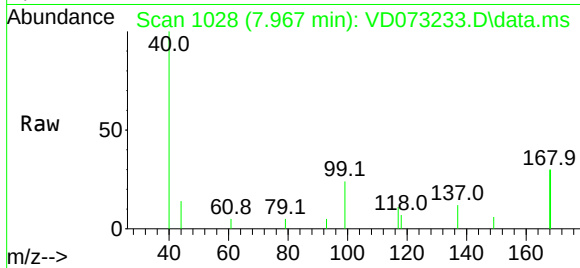




#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073233.D
Acq: 21 May 2022 16:54

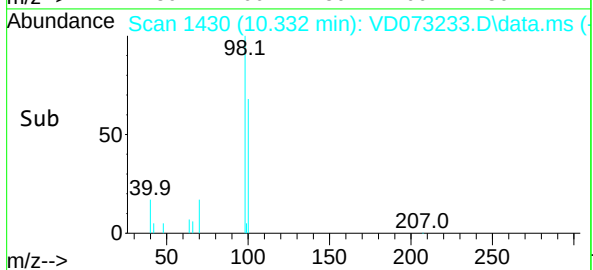
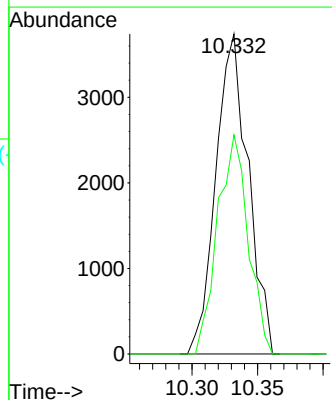
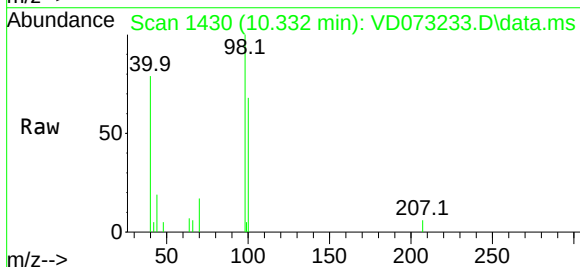
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

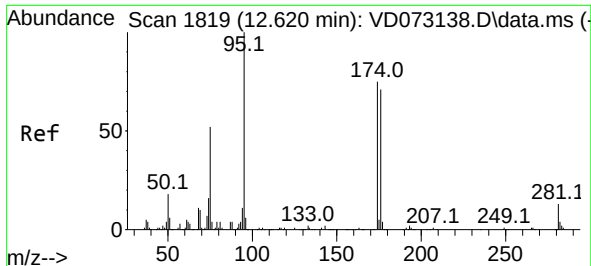
Tgt Ion:117 Resp: 325
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 46.059 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073233.D
Acq: 21 May 2022 16:54

Tgt Ion: 98 Resp: 6405
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

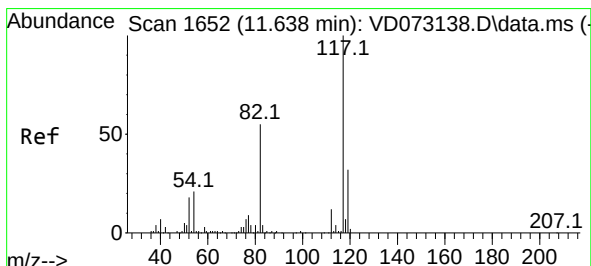
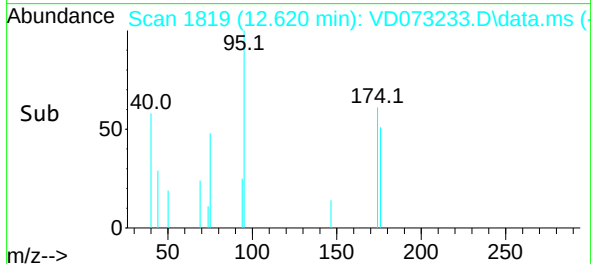
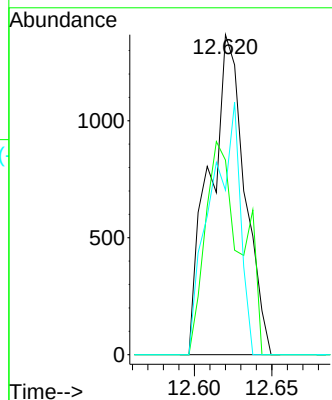
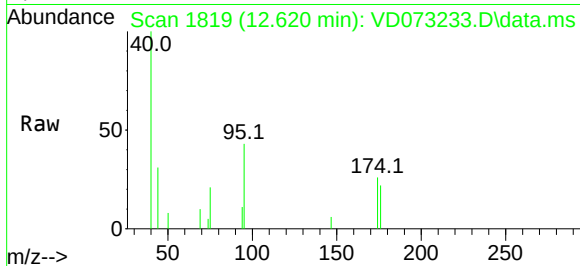




#62
4-Bromofluorobenzene
Concen: 44.178 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073233.D
Acq: 21 May 2022 16:54

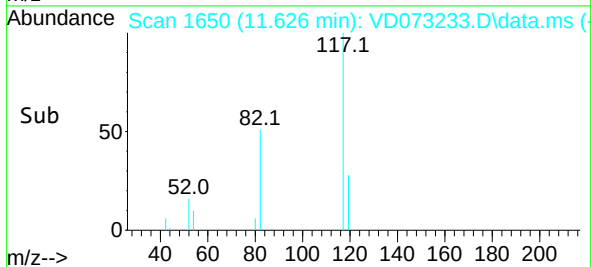
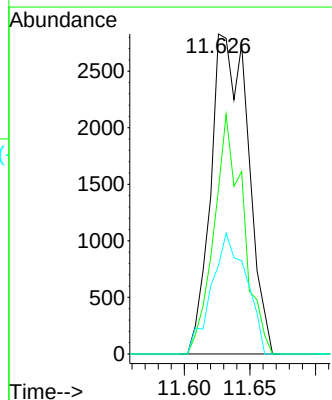
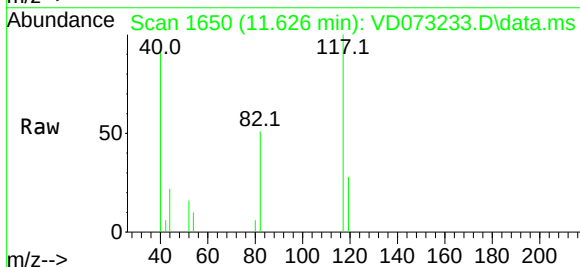
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

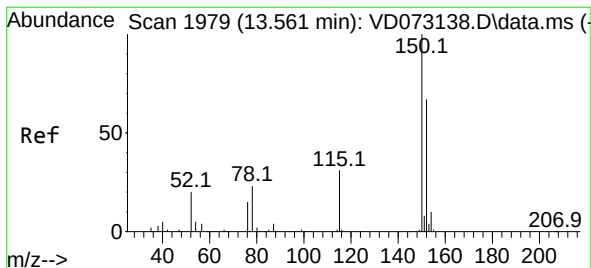
Tgt Ion:	95	Resp:	2156
Ion Ratio	Lower	Upper	
95	100		
174	67.4	0.0	152.8
176	65.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.626 min Scan# 1650
Delta R.T. -0.012 min
Lab File: VD073233.D
Acq: 21 May 2022 16:54

Tgt Ion:	117	Resp:	5580
Ion Ratio	Lower	Upper	
117	100		
82	51.3	45.3	67.9
119	27.6	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073233.D

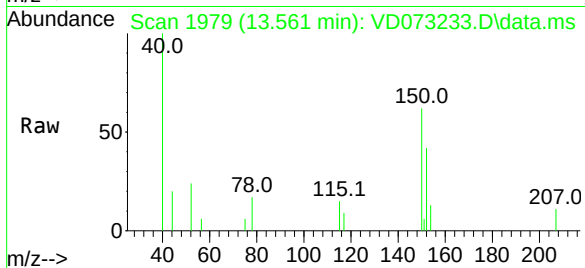
Acq: 21 May 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-1824-01



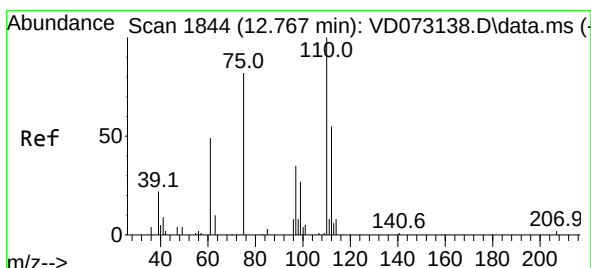
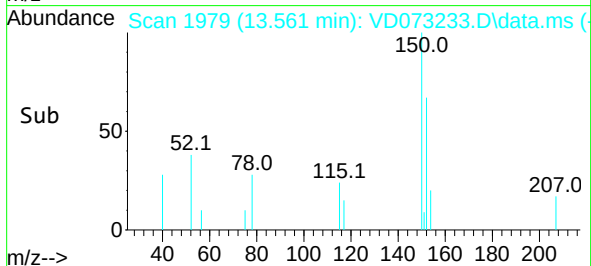
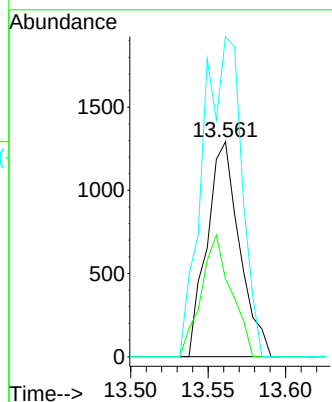
Tgt Ion:152 Resp: 1887

Ion Ratio Lower Upper

152 100

115 52.1 31.3 93.8

150 177.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 53.471 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073233.D

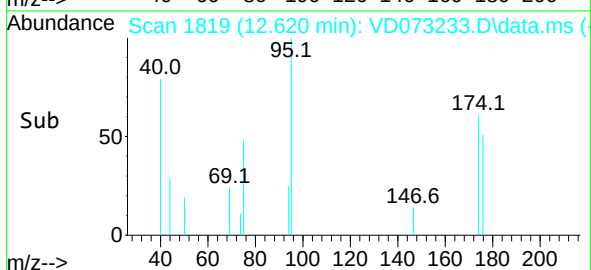
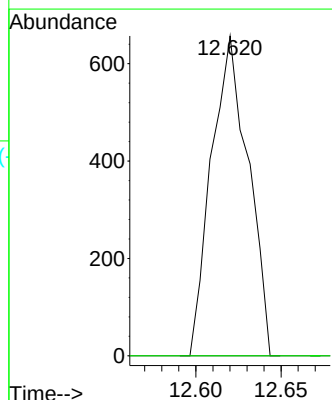
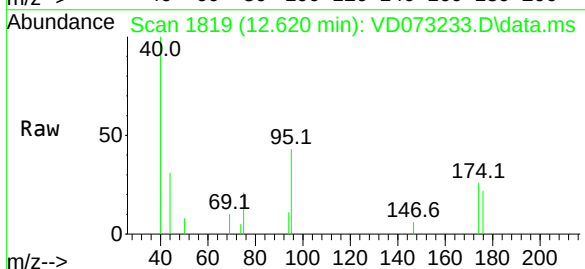
Acq: 21 May 2022 16:54

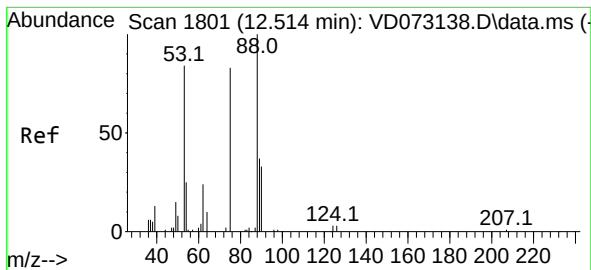
Tgt Ion: 75 Resp: 990

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.367 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073233.D
 Acq: 21 May 2022 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1824-01

Tgt Ion: 75 Resp: 990
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

