

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073268.D
 Acq On : 22 May 2022 11:24
 Operator : VA/SY
 Sample : N2920-23
 Misc : 4.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P028-SS001-0006-01

Quant Time: May 23 01:15:42 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)

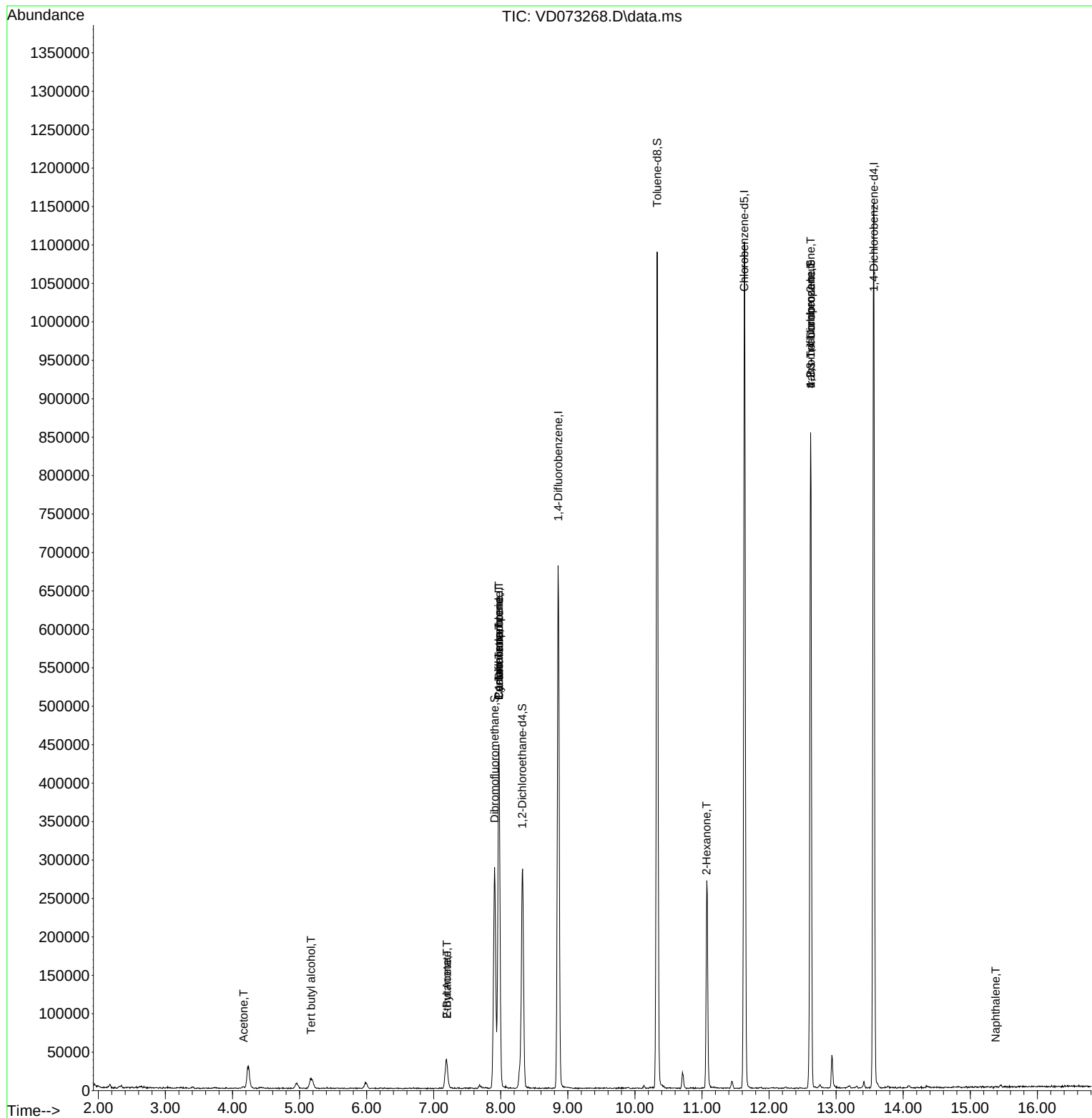
Internal Standards						
1) Pentafluorobenzene	7.973	168	316448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	572284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	631040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	221186	63.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.500%	
35) Dibromofluoromethane	7.908	113	205438	54.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.800%	
50) Toluene-d8	10.332	98	720071	51.728	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.620	95	281026	57.525	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	303	Below Cal	#	79
11) Tert butyl alcohol	5.173	59	12639	23.294	ug/l #	74
16) Acetone	4.167	43	3546	5.854	ug/l	90
20) Methylene Chloride	4.956	84	5120	Below Cal	#	78
25) 2-Butanone	7.197	43	2459	2.775	ug/l #	52
31) Cyclohexane	7.973	56	7957	1.302	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	27810	4.897	ug/l #	50
37) Ethyl Acetate	7.197	43	2459	1.096	ug/l #	1
38) Carbon Tetrachloride	7.973	117	33944	5.896	ug/l #	16
59) 2-Hexanone	11.067	43	2225	1.567	ug/l #	56
76) 1,2,3-Trichloropropane	12.620	75	145601	49.584	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	145601	119.035	ug/l #	7
95) Naphthalene	15.379	128	58	3.547	ug/l #	70

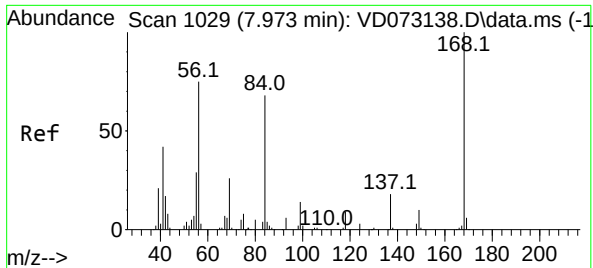
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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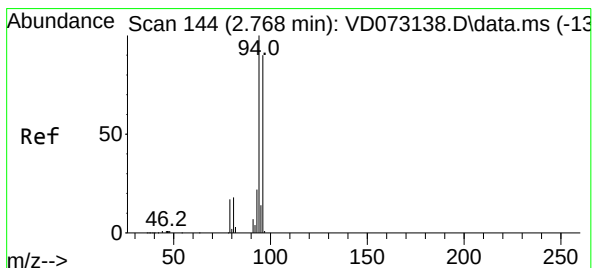
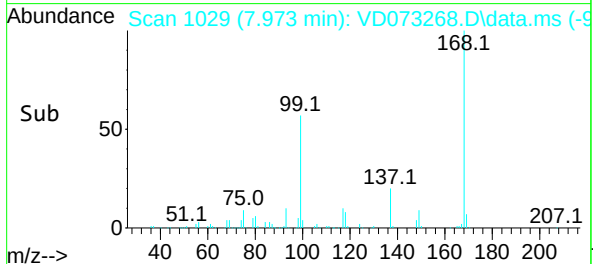
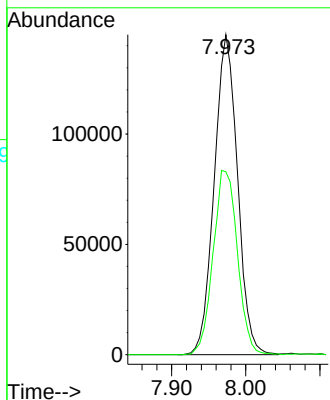
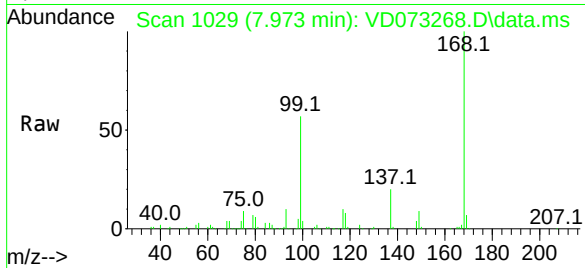




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

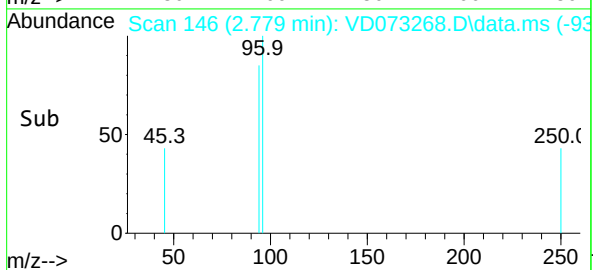
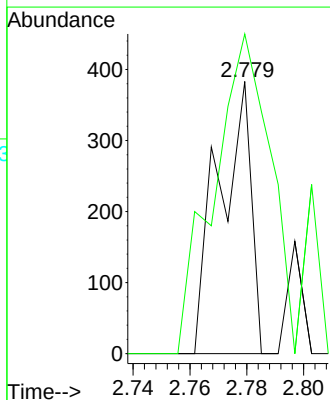
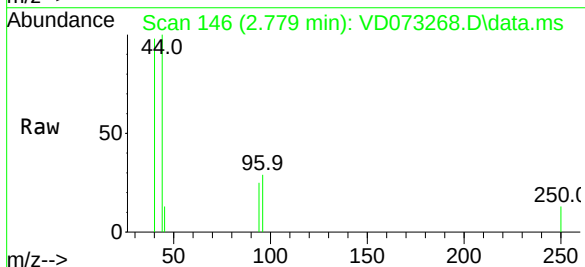
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-0006-01

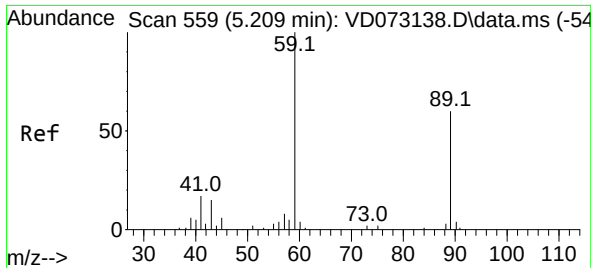
Tgt Ion:168 Resp: 316448
Ion Ratio Lower Upper
168 100
99 57.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

Tgt Ion: 94 Resp: 303
Ion Ratio Lower Upper
94 100
96 117.5 77.6 116.4#

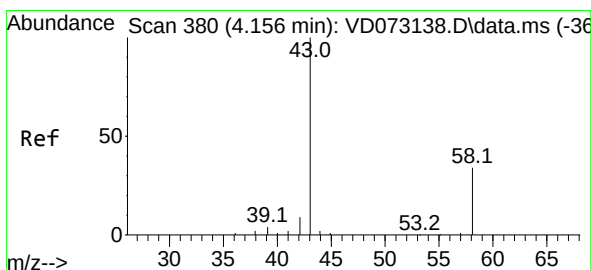
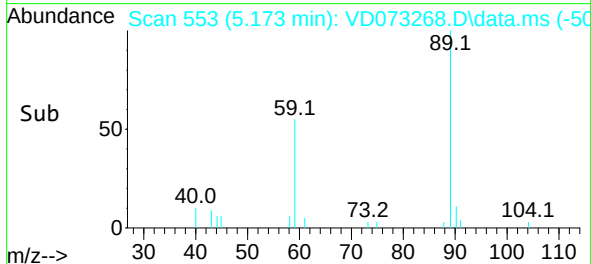
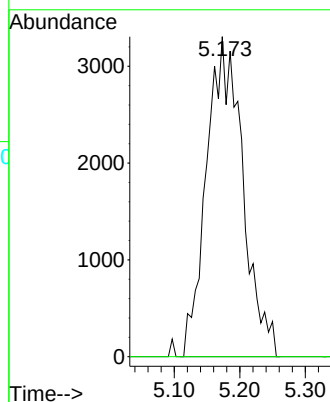
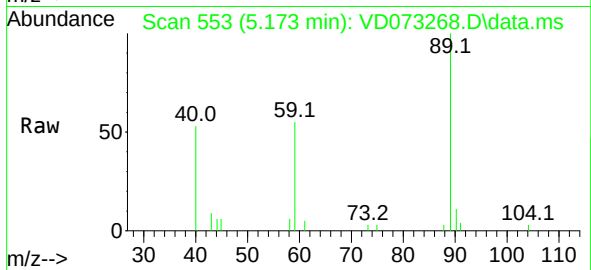




#11
Tert butyl alcohol
Concen: 23.294 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

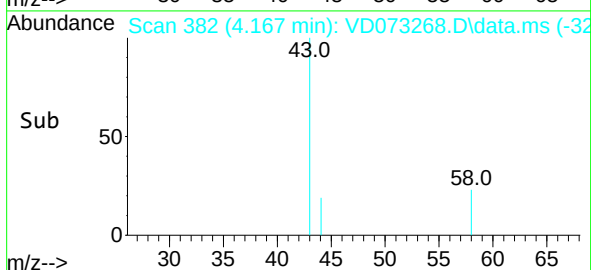
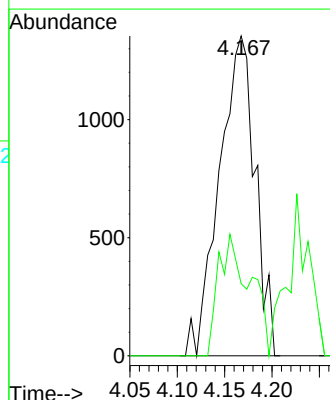
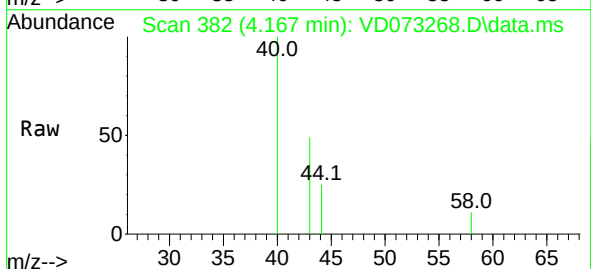
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-0006-01

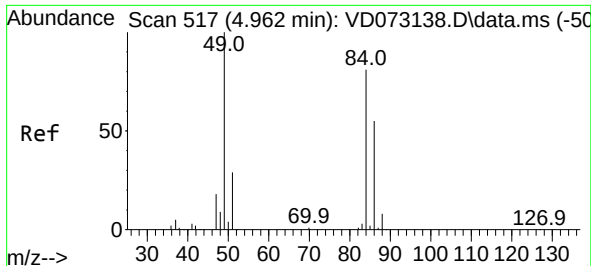
Tgt Ion: 59 Resp: 12639
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.854 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

Tgt Ion: 43 Resp: 3546
Ion Ratio Lower Upper
43 100
58 22.6 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD073268.D

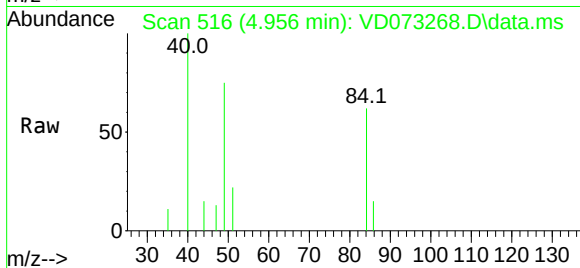
Acq: 22 May 2022 11:24

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-0006-01



Tgt Ion: 84 Resp: 5120

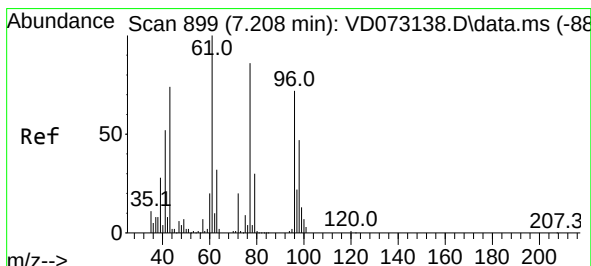
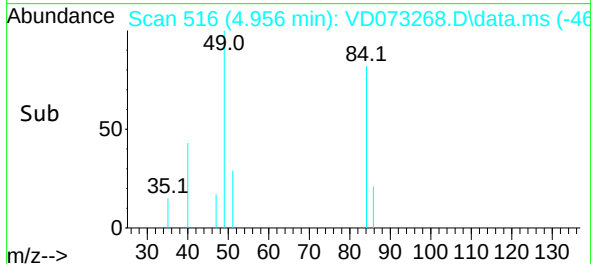
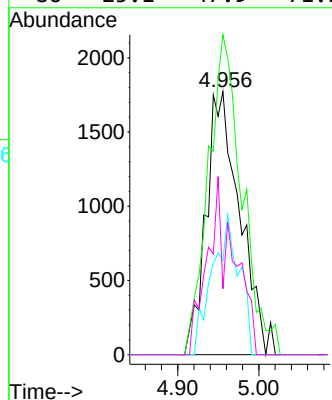
Ion Ratio Lower Upper

84 100

49 121.7 112.8 169.2

51 35.8 32.6 48.8

86 25.1 47.9 71.9#



#25

2-Butanone

Concen: 2.775 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.011 min

Lab File: VD073268.D

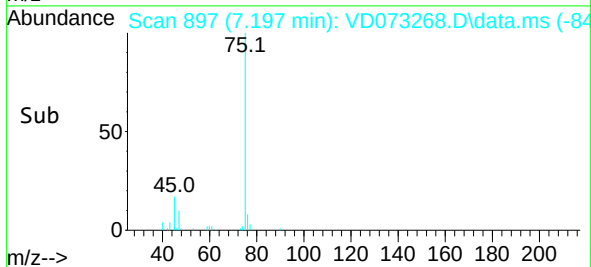
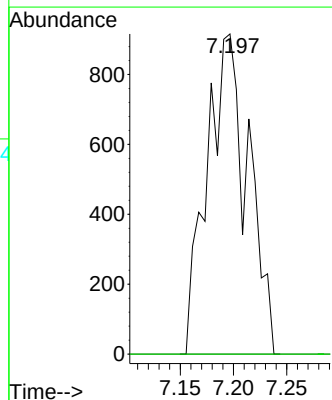
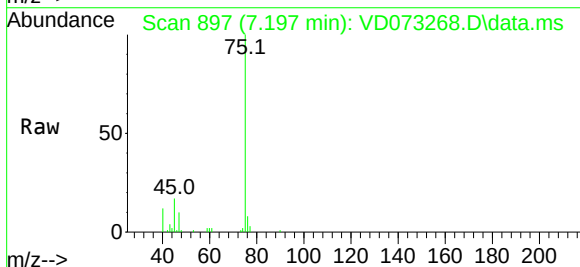
Acq: 22 May 2022 11:24

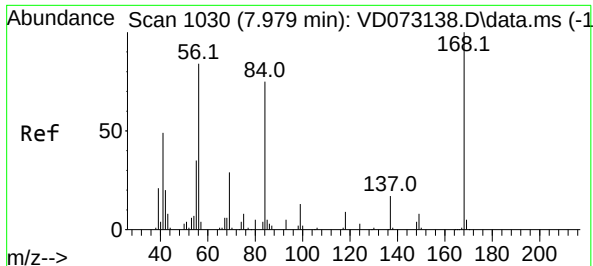
Tgt Ion: 43 Resp: 2459

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073268.D

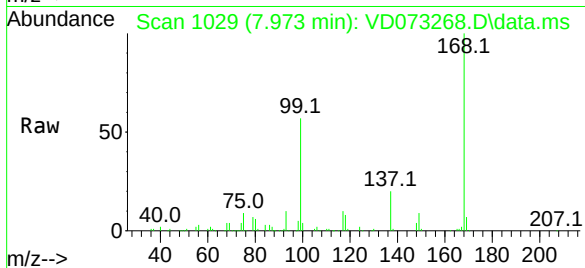
Acq: 22 May 2022 11:24

Instrument :

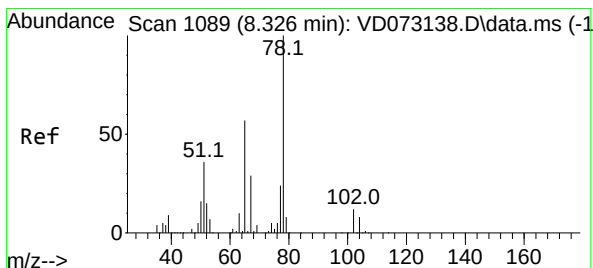
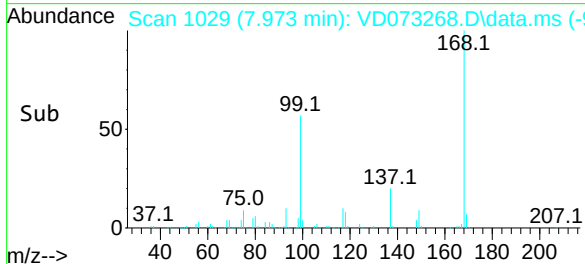
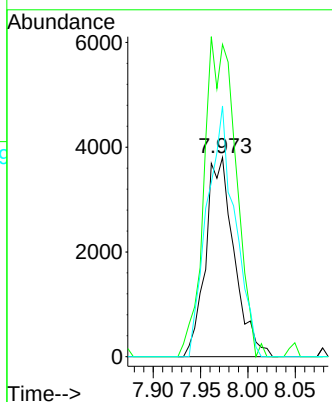
MSVOA_D

ClientSampleId :

P028-SS001-0006-01



Tgt Ion:	56	Resp:	7957
Ion	Ratio	Lower	Upper
56	100		
69	156.8	25.4	38.2#
84	125.8	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 63.247 ug/l

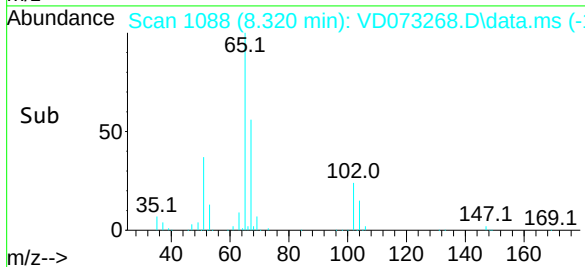
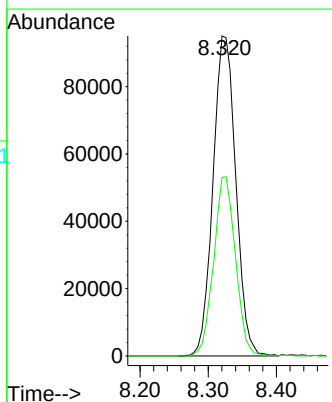
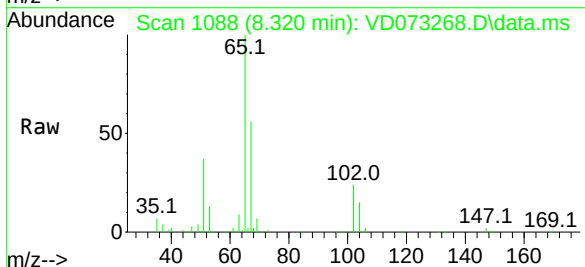
RT: 8.320 min Scan# 1088

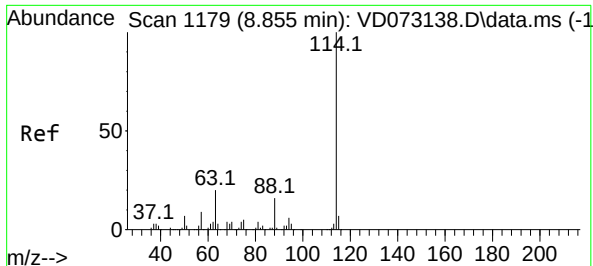
Delta R.T. -0.006 min

Lab File: VD073268.D

Acq: 22 May 2022 11:24

Tgt Ion:	65	Resp:	221186
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073268.D

Acq: 22 May 2022 11:24

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-0006-01

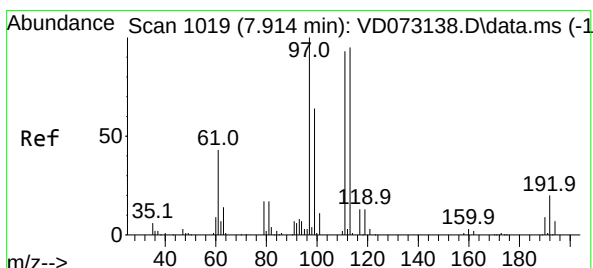
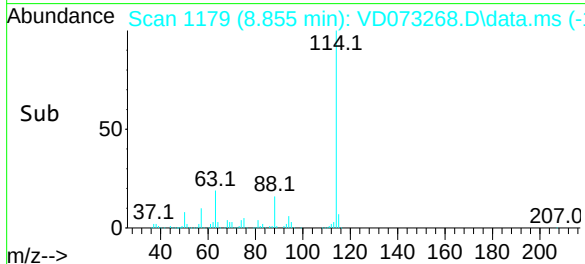
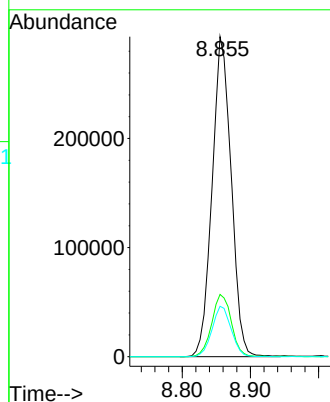
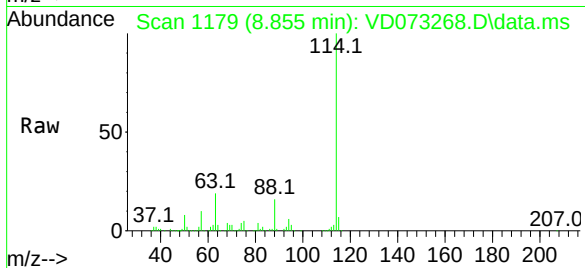
Tgt Ion:114 Resp: 572284

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.402 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073268.D

Acq: 22 May 2022 11:24

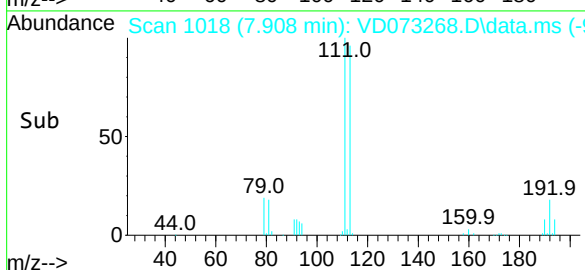
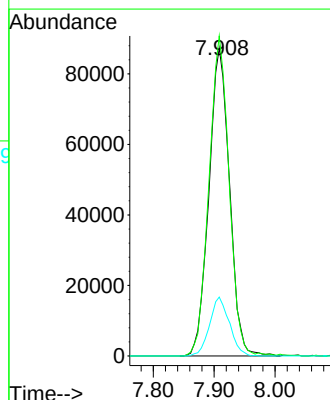
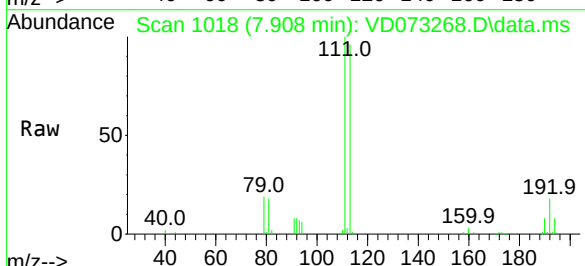
Tgt Ion:113 Resp: 205438

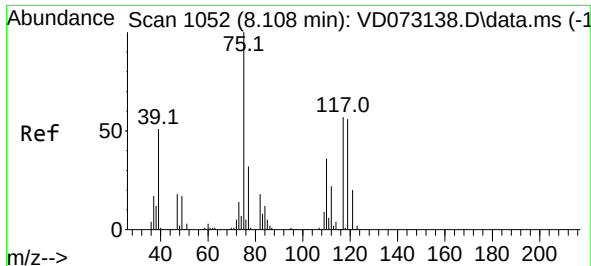
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.897 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073268.D

Acq: 22 May 2022 11:24

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-0006-01

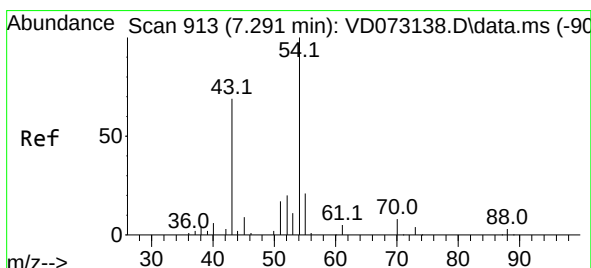
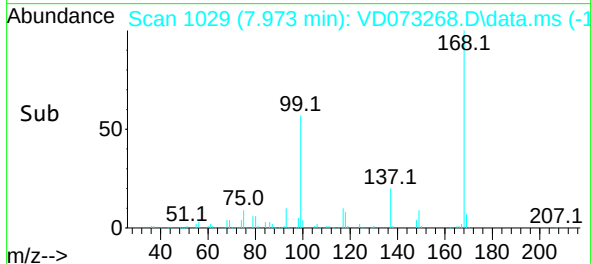
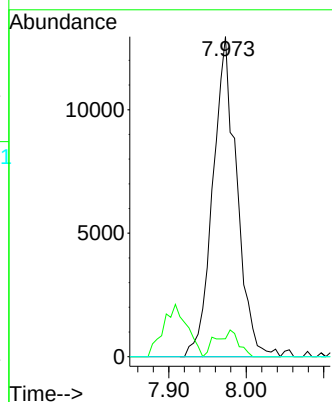
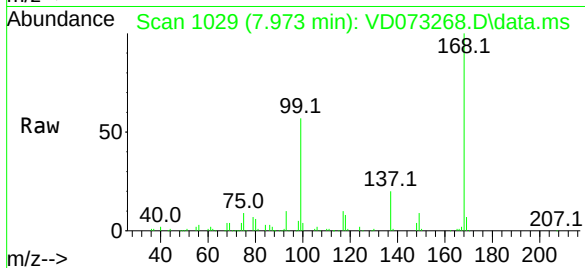
Tgt Ion: 75 Resp: 27810

Ion Ratio Lower Upper

75 100

110 7.8 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.096 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073268.D

Acq: 22 May 2022 11:24

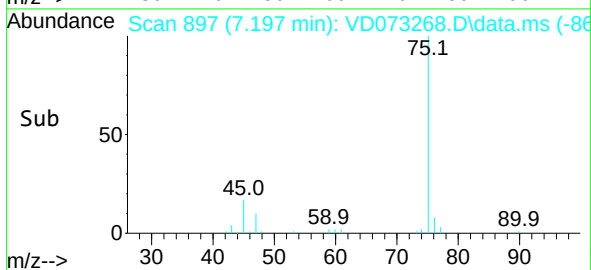
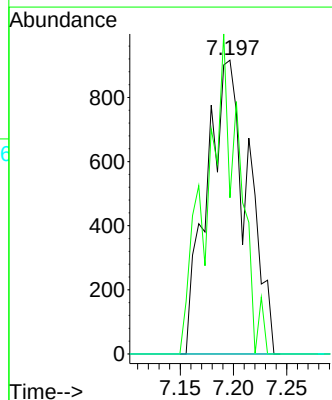
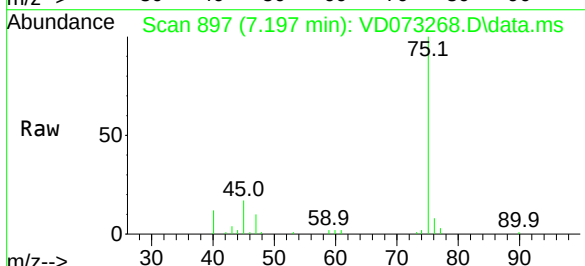
Tgt Ion: 43 Resp: 2459

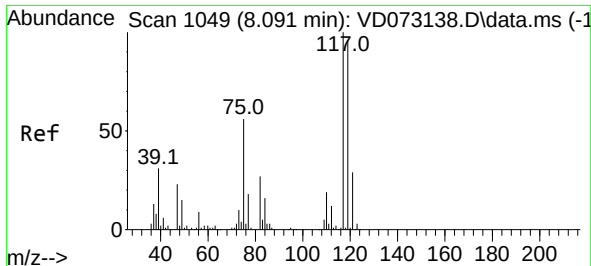
Ion Ratio Lower Upper

43 100

61 86.4 9.8 14.8#

70 0.0 6.9 10.3#

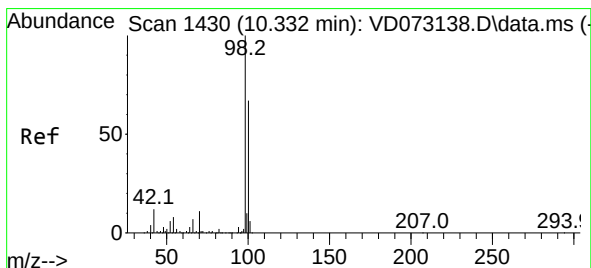
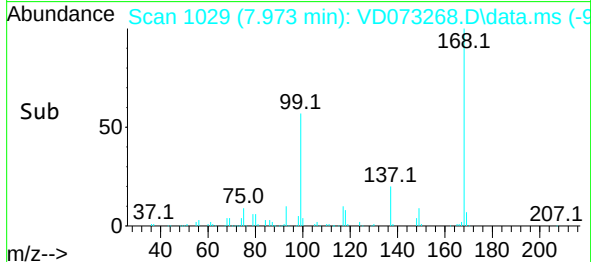
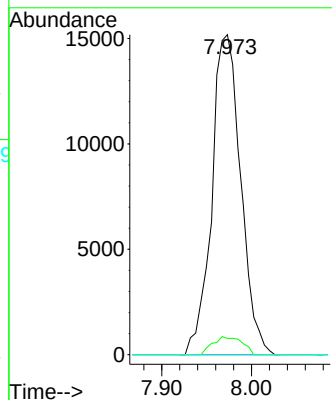
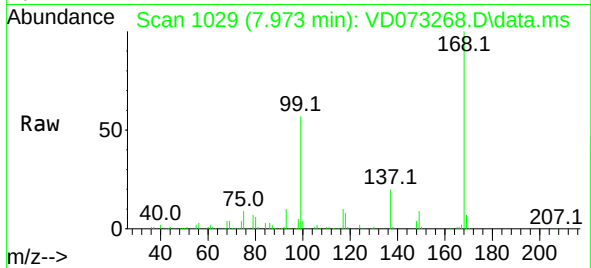




#38
Carbon Tetrachloride
Concen: 5.896 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

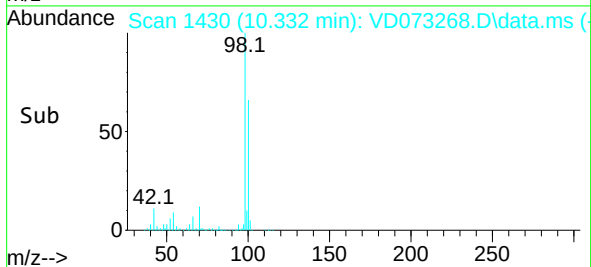
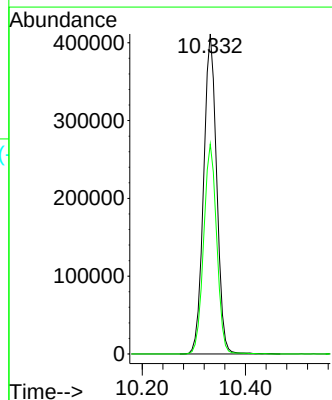
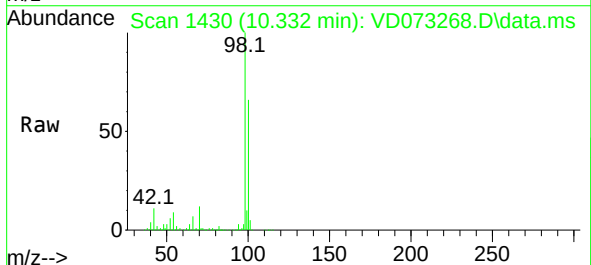
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-0006-01

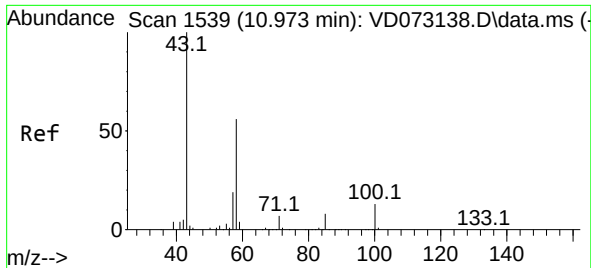
Tgt Ion:117 Resp: 33944
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.728 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

Tgt Ion: 98 Resp: 720071
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

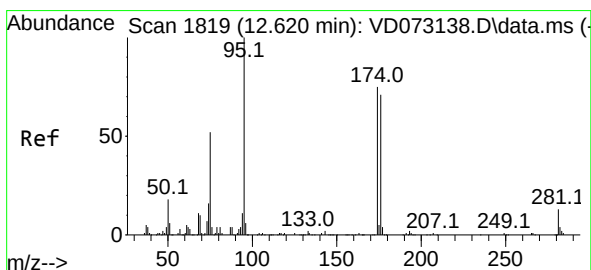
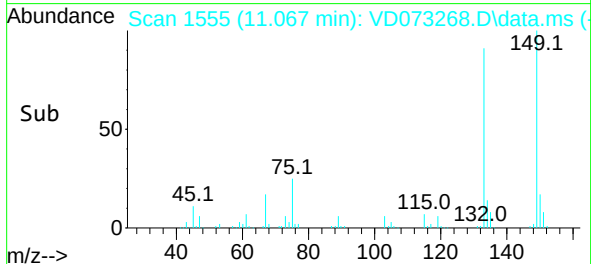
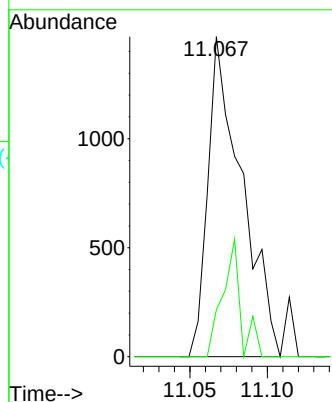
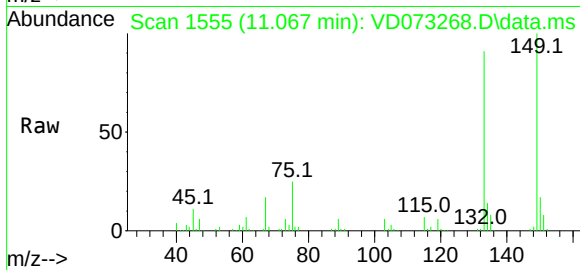




#59
2-Hexanone
Concen: 1.567 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.094 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

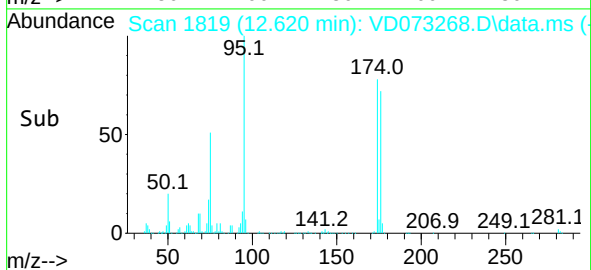
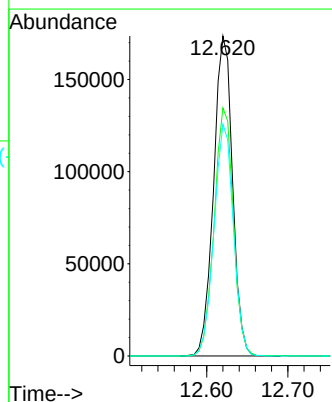
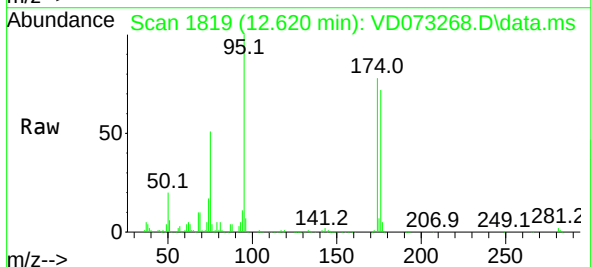
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-0006-01

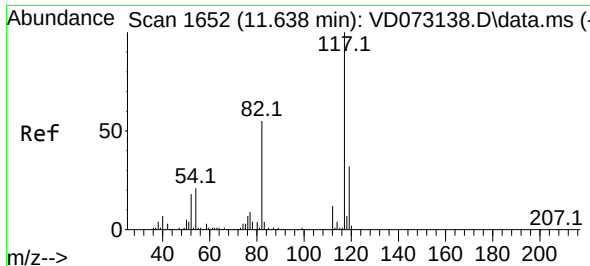
Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
58 19.8 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 57.525 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

Tgt Ion: 95 Resp: 281026
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 74.4 0.0 145.4

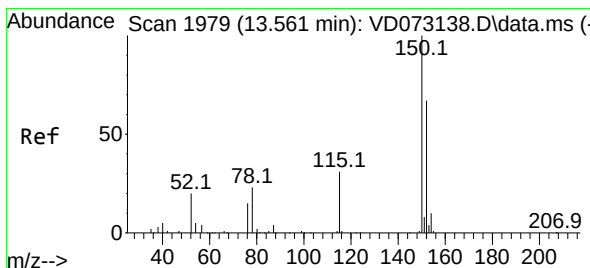
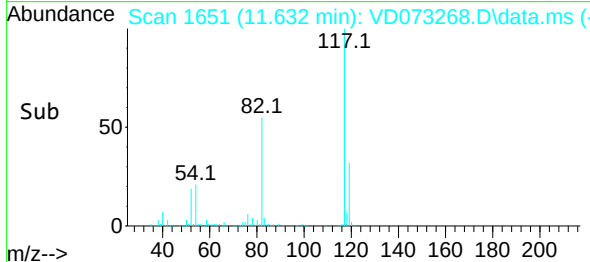
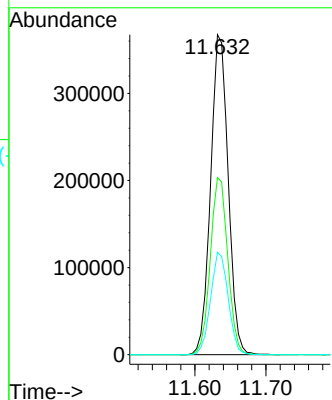
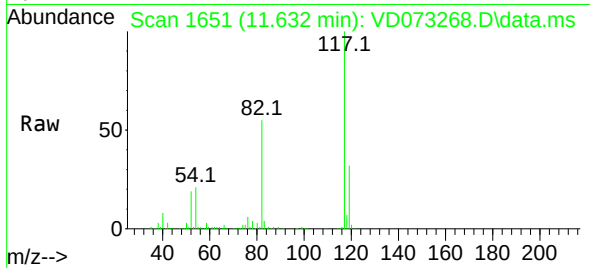




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

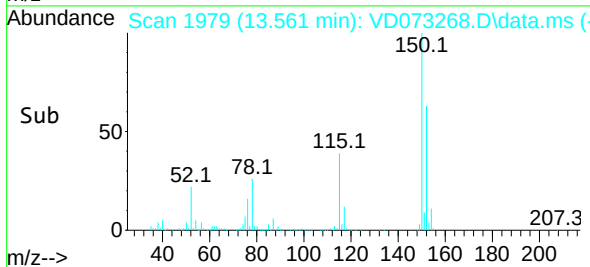
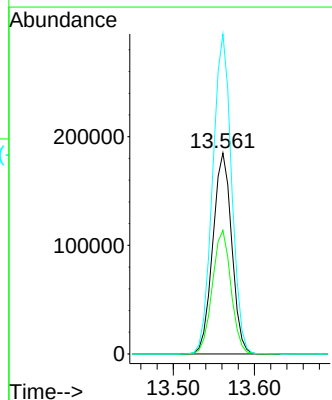
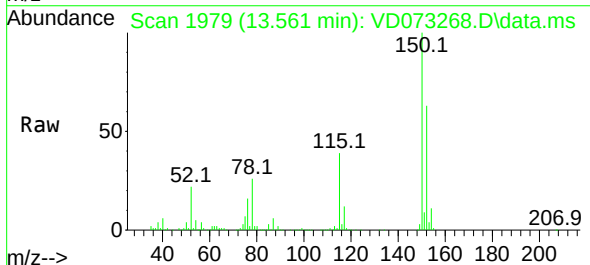
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-0006-01

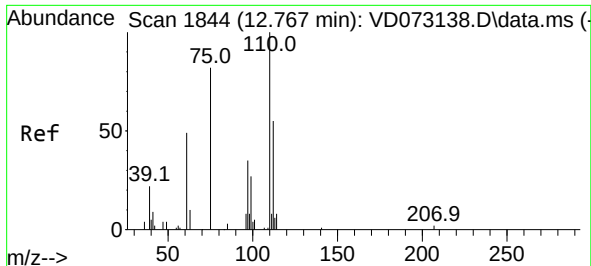
Tgt Ion:117 Resp: 631040
Ion Ratio Lower Upper
117 100
82 55.4 45.3 67.9
119 32.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

Tgt Ion:152 Resp: 299282
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 158.9 0.0 348.6

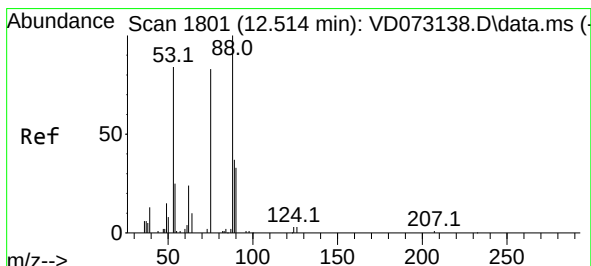
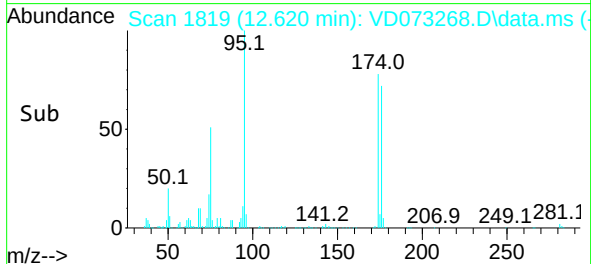
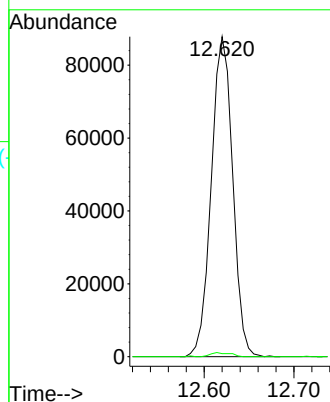
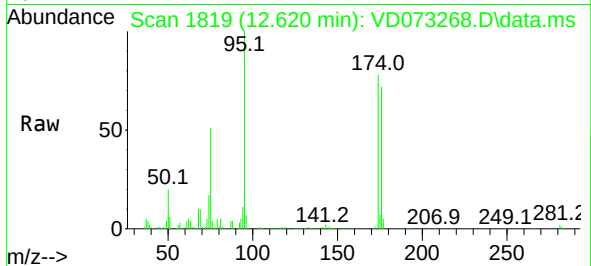




#76
1,2,3-Trichloropropane
Concen: 49.584 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

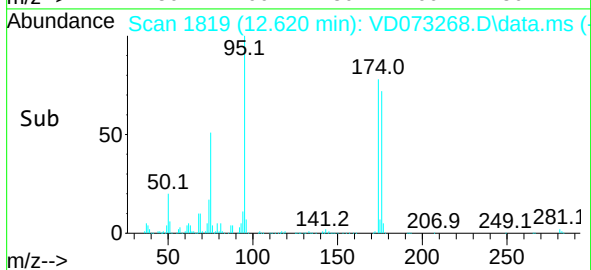
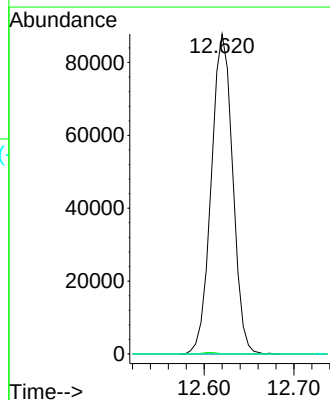
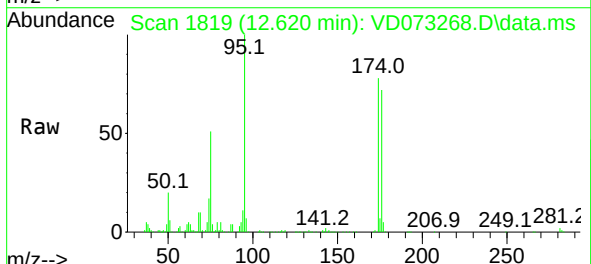
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-0006-01

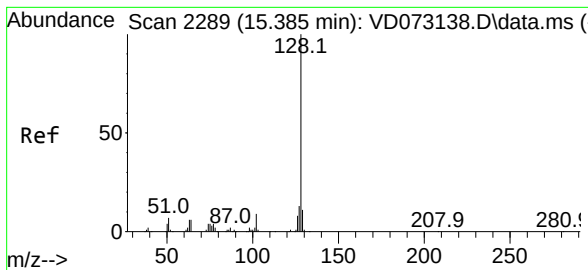
Tgt Ion: 75 Resp: 145601
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.035 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073268.D
Acq: 22 May 2022 11:24

Tgt Ion: 75 Resp: 145601
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 3.547 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD073268.D
 Acq: 22 May 2022 11:24

Instrument : MSVOA_D
 ClientSampleId : P028-SS001-0006-01

Tgt Ion:	128	Resp:	58
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

