

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060222\
 Data File : VD073471.D
 Acq On : 02 Jun 2022 14:54
 Operator : VA/SY
 Sample : N3140-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RCA-BACKFILL-MATERIAL

Quant Time: Jun 03 01:29:46 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)

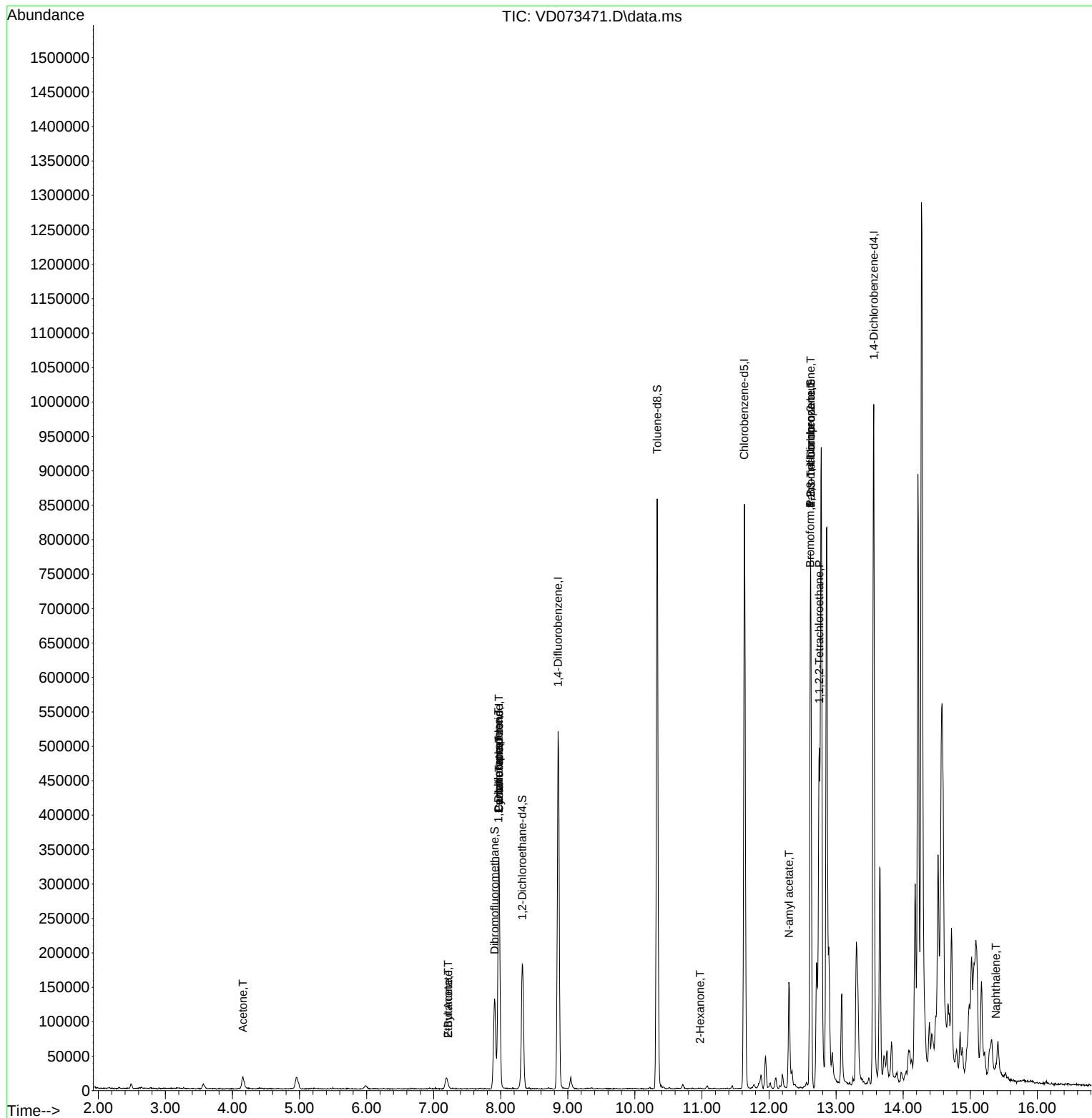
Internal Standards						
1) Pentafluorobenzene	7.973	168	240193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	443850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	495776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	146114	55.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.080%	
35) Dibromofluoromethane	7.909	113	94316	32.203	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 64.400%	
50) Toluene-d8	10.332	98	554120	51.325	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	12.620	95	247066	65.208	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 130.420%	
Target Compounds						Qvalue
5) Bromomethane	2.791	94	597	Below Cal	#	67
16) Acetone	4.156	43	29409	63.963	ug/l	98
25) 2-Butanone	7.214	43	4555	6.771	ug/l #	76
31) Cyclohexane	7.973	56	5754	1.240	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	19839	4.504	ug/l #	52
37) Ethyl Acetate	7.214	43	4555	2.618	ug/l #	72
38) Carbon Tetrachloride	7.973	117	26937	6.033	ug/l #	18
59) 2-Hexanone	10.973	43	1175	1.067	ug/l	78
71) Bromoform	12.614	173	2265	1.167	ug/l #	1
74) N-amyl acetate	12.297	43	53836	13.020	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.749	83	33075	9.462	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	122834	47.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	122834	113.042	ug/l #	7
95) Naphthalene	15.385	128	2263	3.783	ug/l #	84

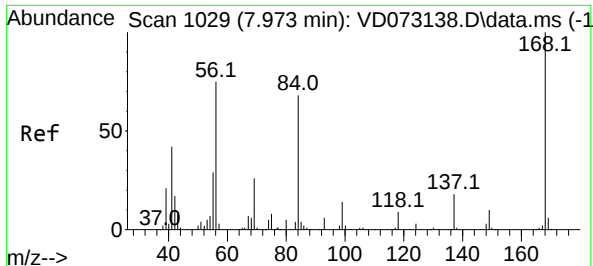
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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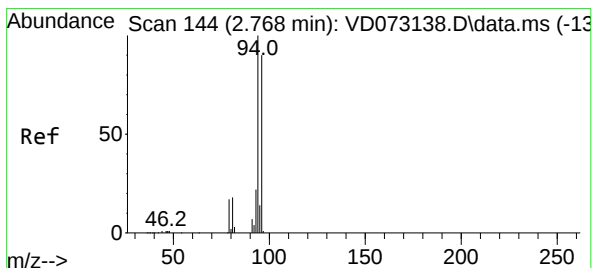
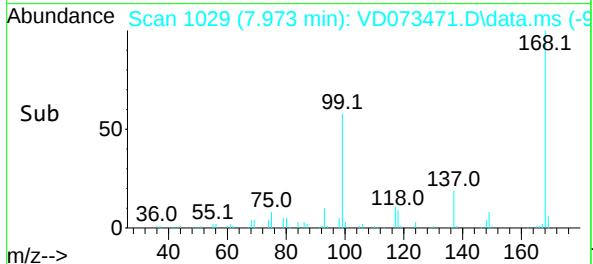
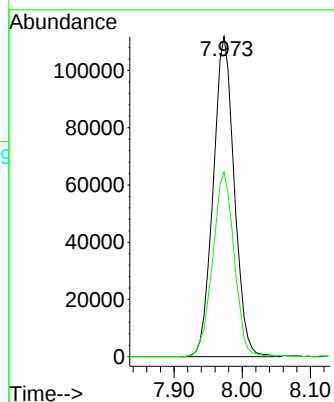
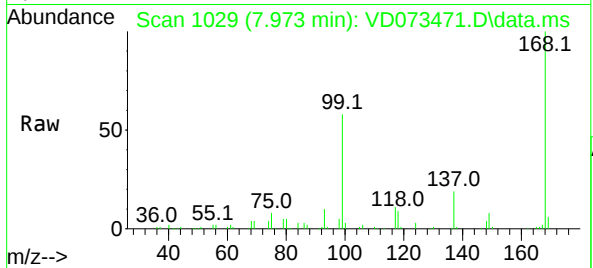




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

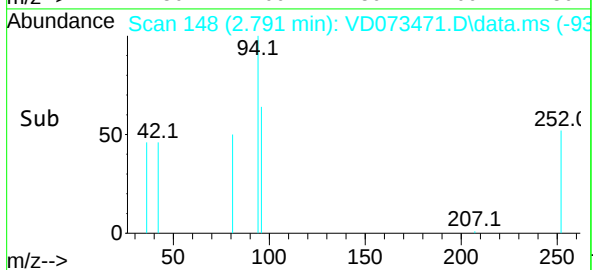
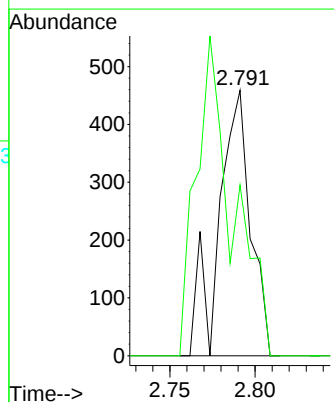
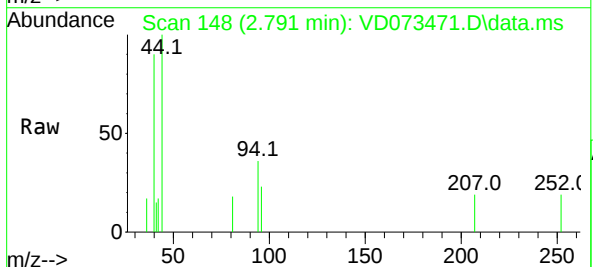
Instrument :
MSVOA_D
ClientSampleId :
RCA-BACKFILL-MATERIAL

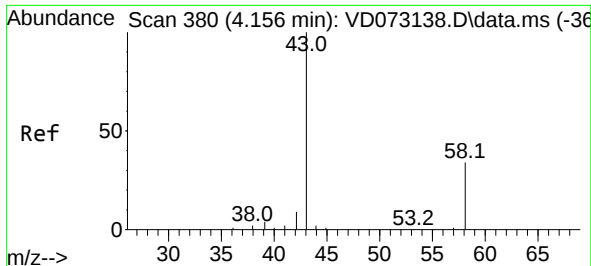
Tgt Ion:168 Resp: 240193
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 64.3 77.6 116.4#





#16

Acetone

Concen: 63.963 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073471.D

Acq: 02 Jun 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

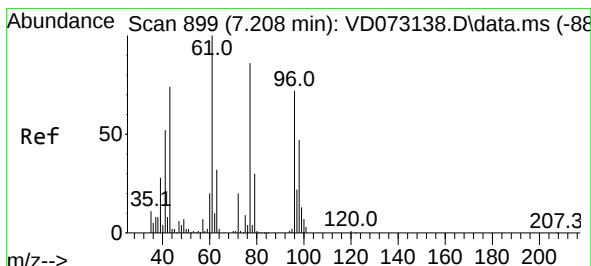
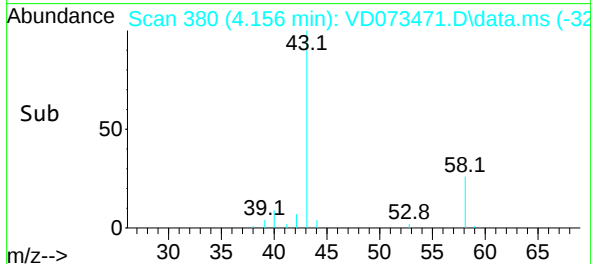
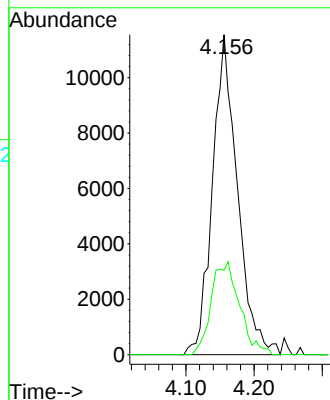
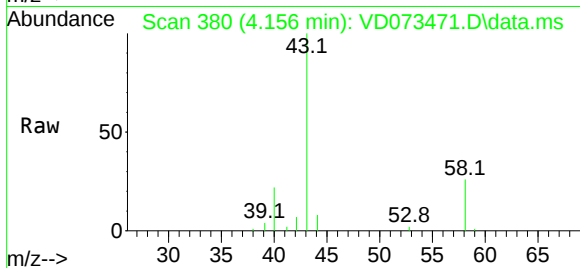
RCA-BACKFILL-MATERIAL

Tgt Ion: 43 Resp: 29409

Ion Ratio Lower Upper

43 100

58 26.3 22.1 33.1



#25

2-Butanone

Concen: 6.771 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.006 min

Lab File: VD073471.D

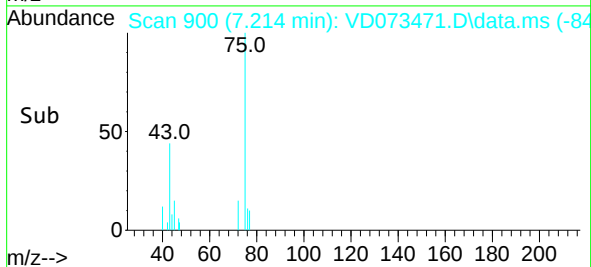
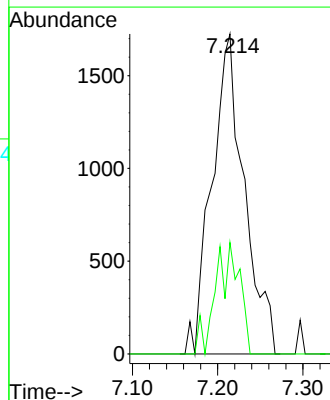
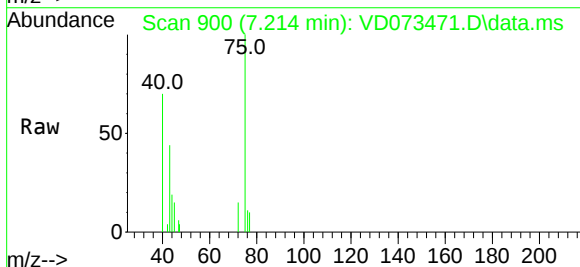
Acq: 02 Jun 2022 14:54

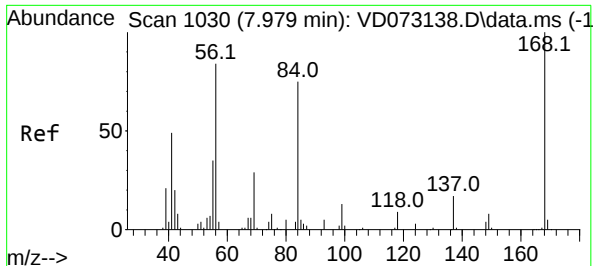
Tgt Ion: 43 Resp: 4555

Ion Ratio Lower Upper

43 100

72 34.8 18.6 27.8#





#31

Cyclohexane

Concen: 1.240 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073471.D

Acq: 02 Jun 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

RCA-BACKFILL-MATERIAL

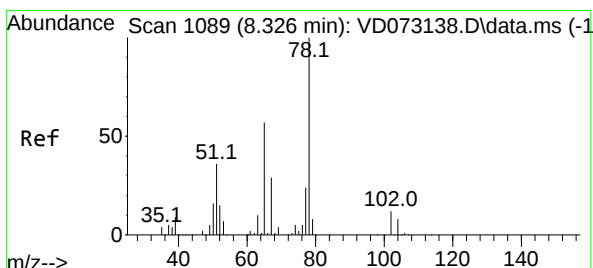
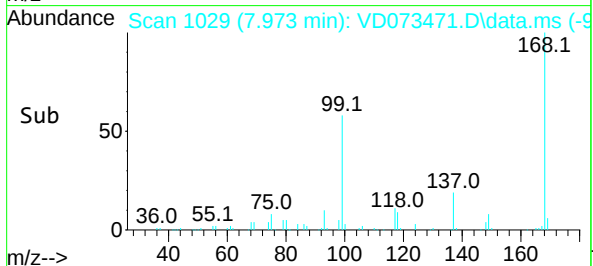
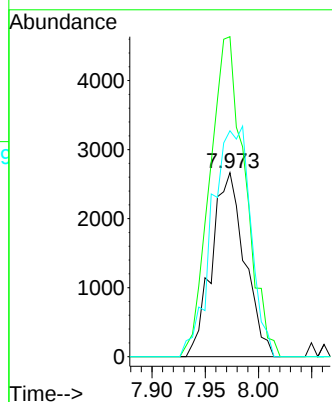
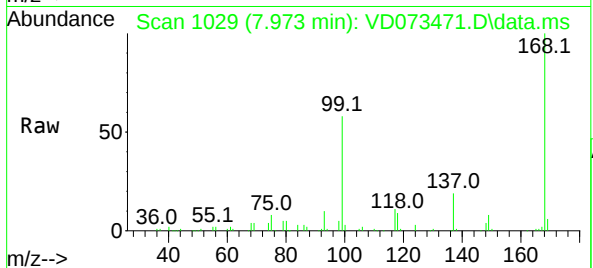
Tgt Ion: 56 Resp: 5754

Ion Ratio Lower Upper

56 100

69 174.0 25.4 38.2#

84 122.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 55.044 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073471.D

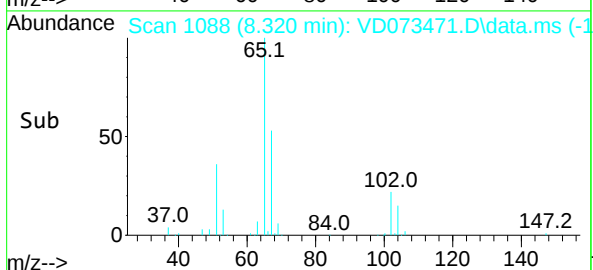
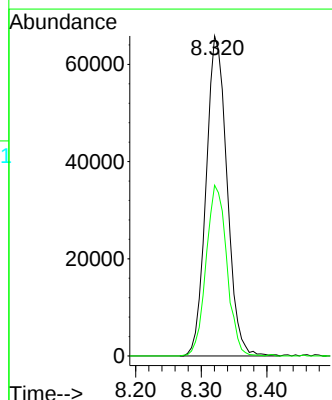
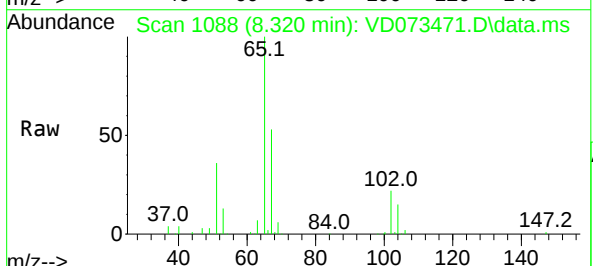
Acq: 02 Jun 2022 14:54

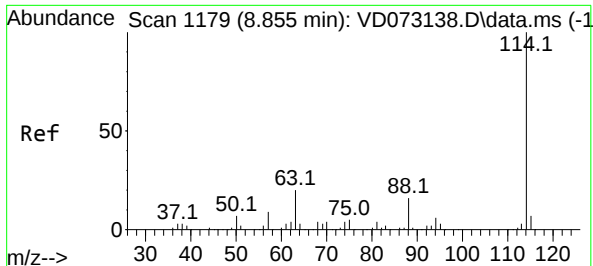
Tgt Ion: 65 Resp: 146114

Ion Ratio Lower Upper

65 100

67 52.9 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: VD073471.D

Acq: 02 Jun 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

RCA-BACKFILL-MATERIAL

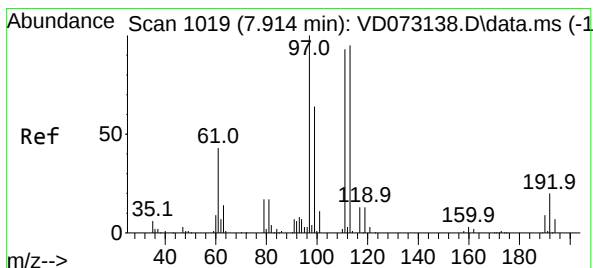
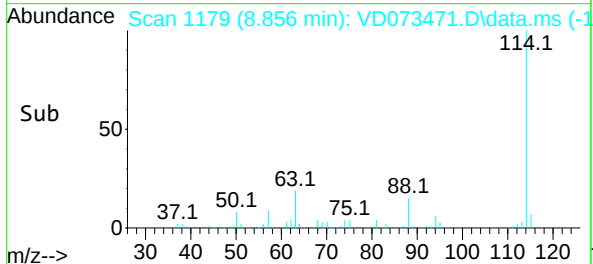
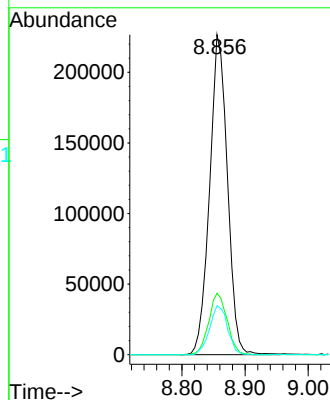
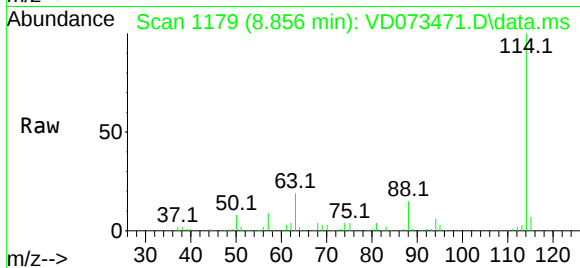
Tgt Ion:114 Resp: 443850

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 32.203 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073471.D

Acq: 02 Jun 2022 14:54

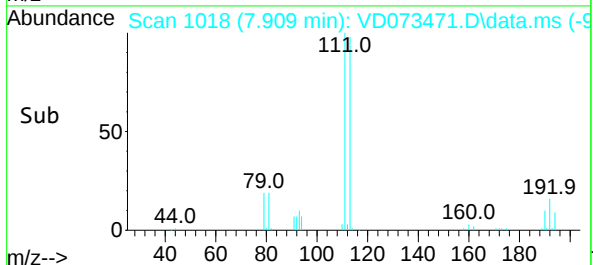
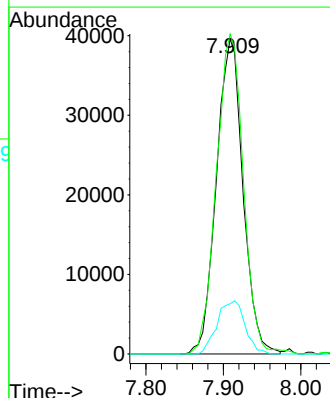
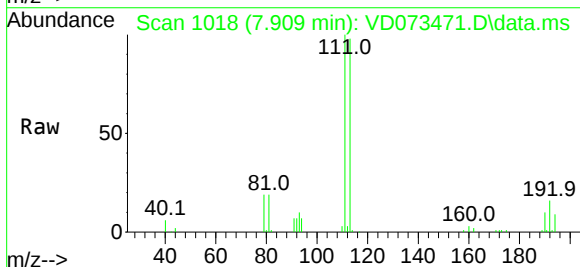
Tgt Ion:113 Resp: 94316

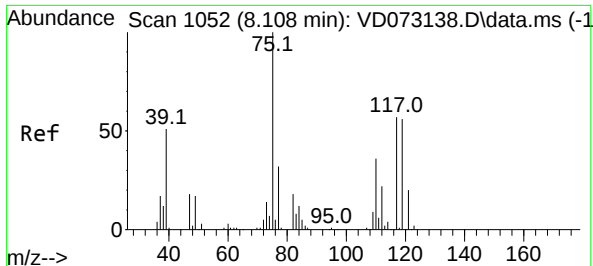
Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073471.D

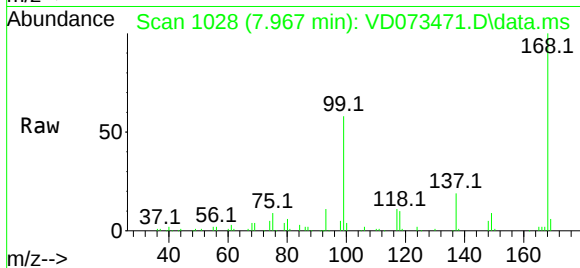
Acq: 02 Jun 2022 14:54

Instrument :

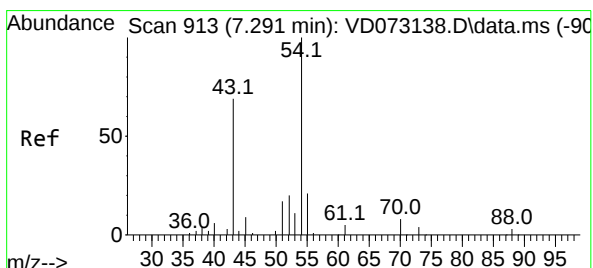
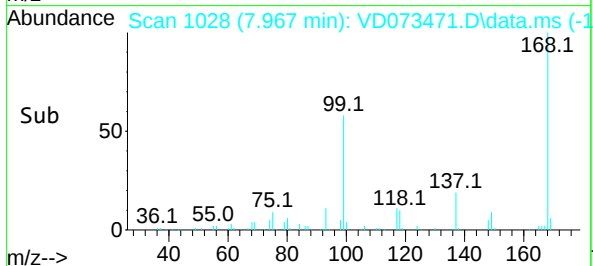
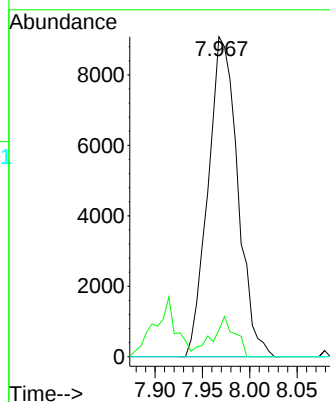
MSVOA_D

ClientSampleId :

RCA-BACKFILL-MATERIAL



Tgt Ion: 75	Resp: 19839
Ion Ratio	Lower Upper
75	100
110	9.7 16.4 49.1#
77	0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.618 ug/l

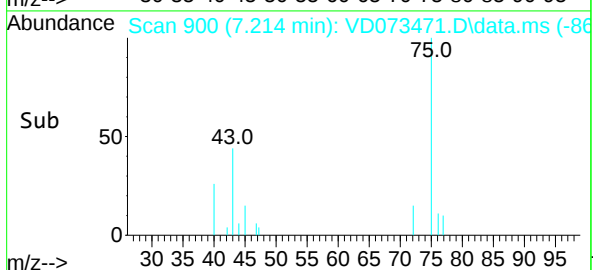
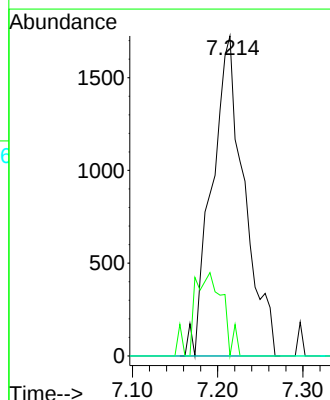
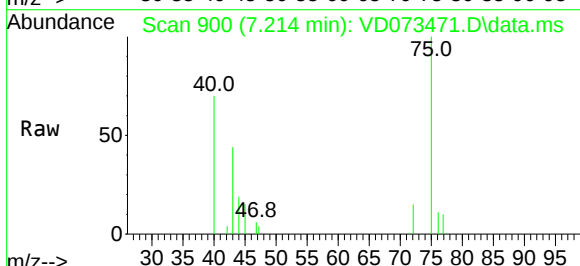
RT: 7.214 min Scan# 900

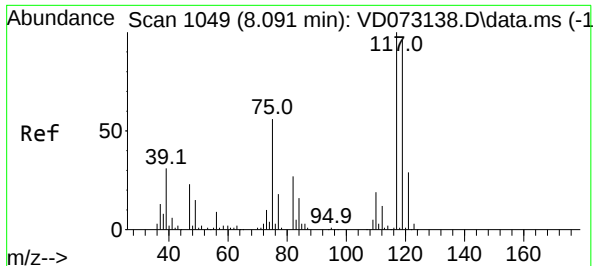
Delta R.T. -0.077 min

Lab File: VD073471.D

Acq: 02 Jun 2022 14:54

Tgt Ion: 43	Resp: 4555
Ion Ratio	Lower Upper
43	100
61	0.0 9.8 14.8#
70	0.0 6.9 10.3#

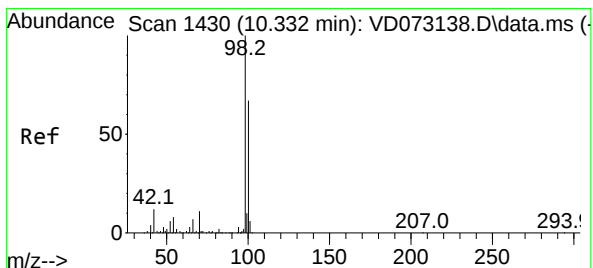
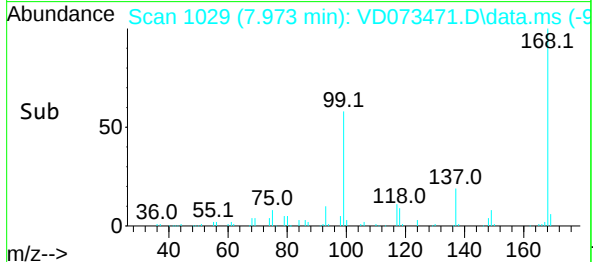
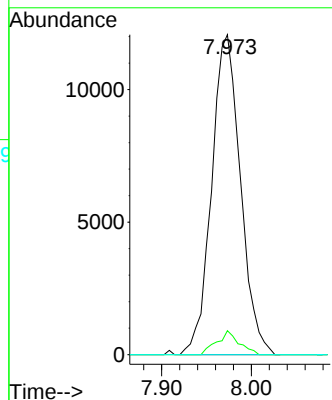
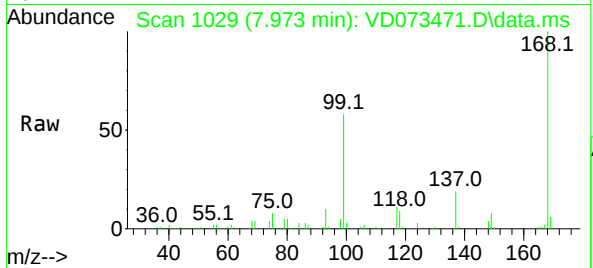




#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

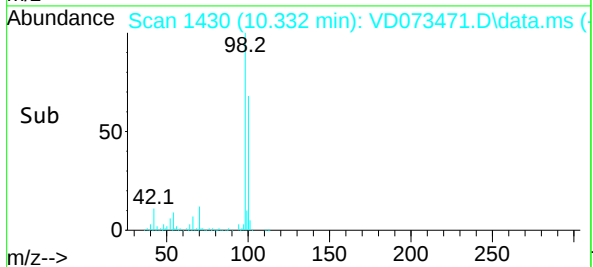
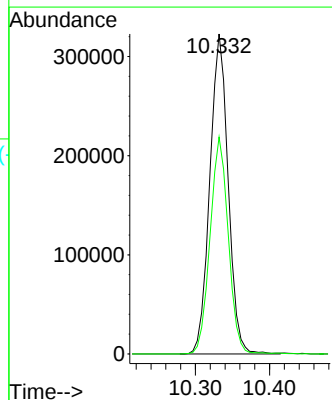
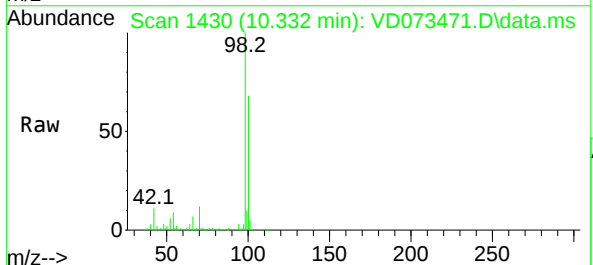
Instrument :
MSVOA_D
ClientSampleId :
RCA-BACKFILL-MATERIAL

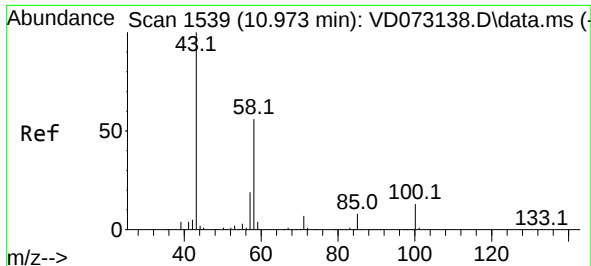
Tgt Ion:117 Resp: 26937
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.325 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion: 98 Resp: 554120
Ion Ratio Lower Upper
98 100
100 67.5 52.4 78.6

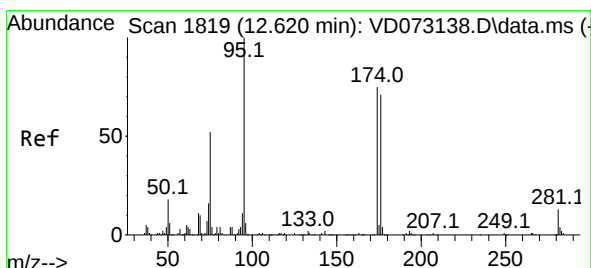
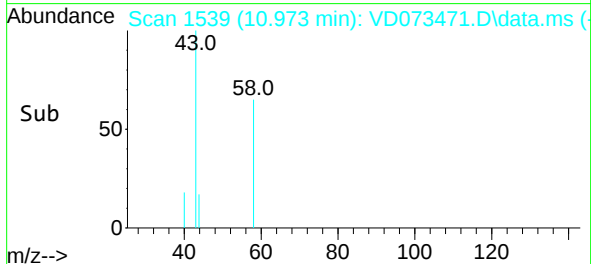
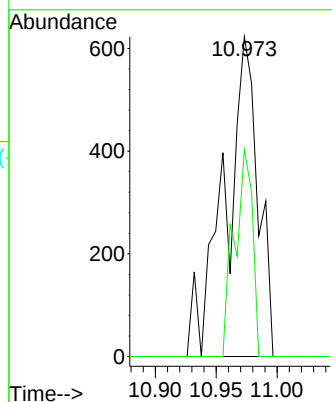
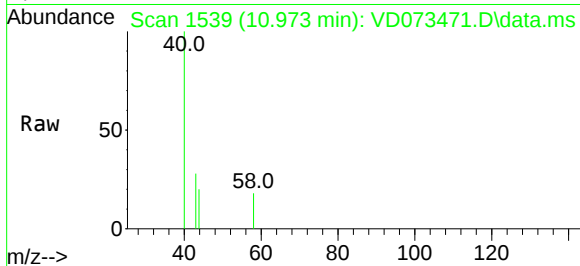




#59
2-Hexanone
Concen: 1.067 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

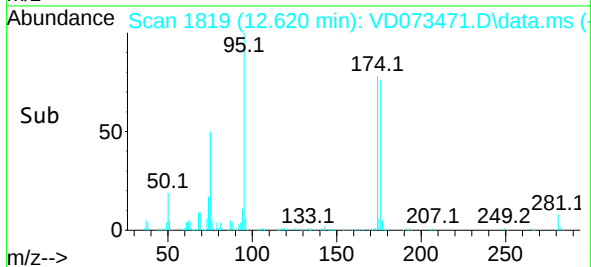
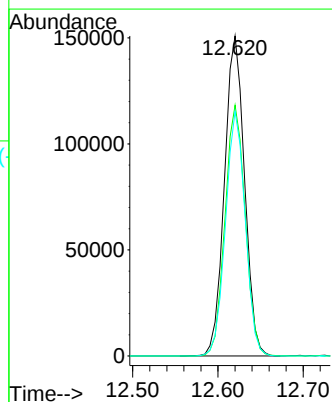
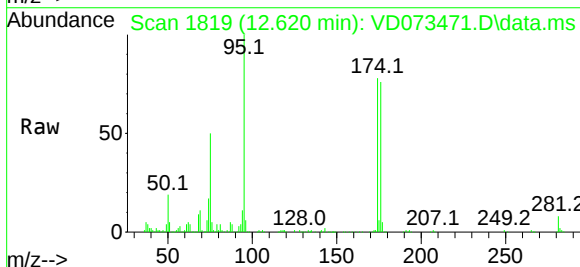
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MSVOA_D
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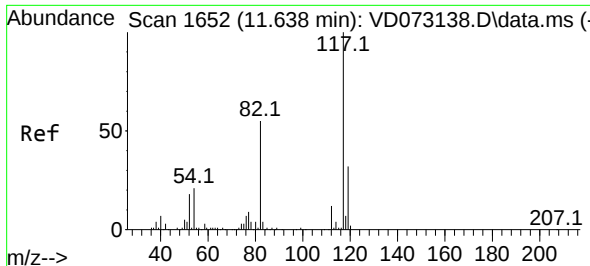
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 35.3 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 65.208 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion: 95 Resp: 247066
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.8
176 74.8 0.0 145.4

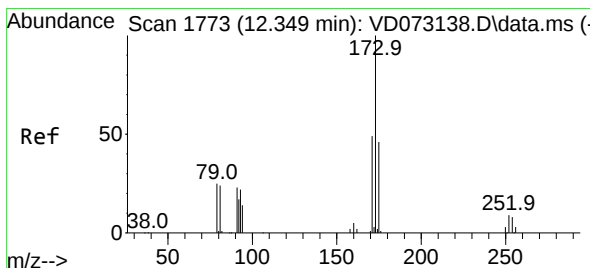
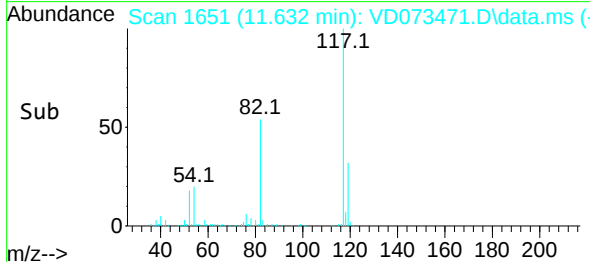
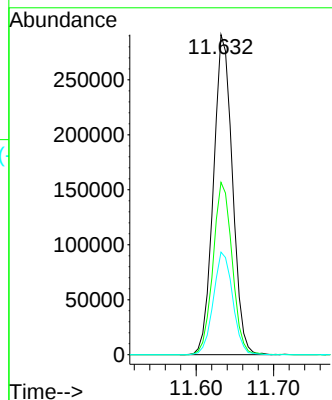
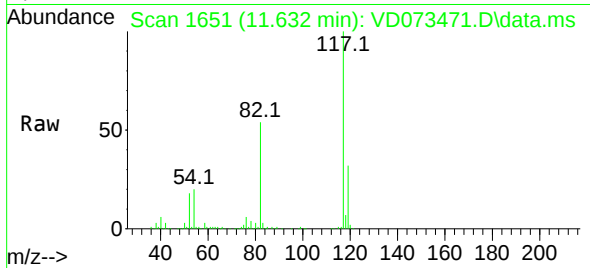




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

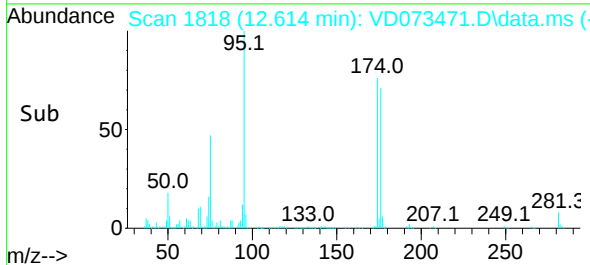
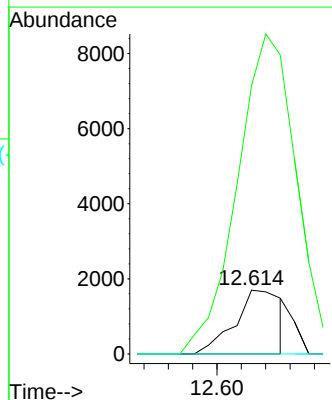
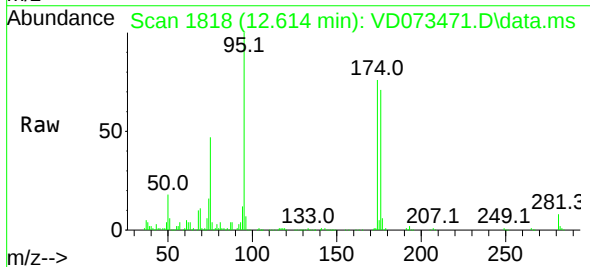
Instrument :
MSVOA_D
ClientSampleId :
RCA-BACKFILL-MATERIAL

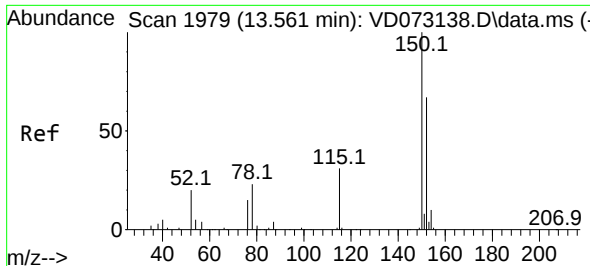
Tgt Ion:117 Resp: 495776
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 32.0 26.6 40.0



#71
Bromoform
Concen: 1.167 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion:173 Resp: 2265
Ion Ratio Lower Upper
173 100
175 496.5 23.9 71.8#
254 0.0 0.0 0.0

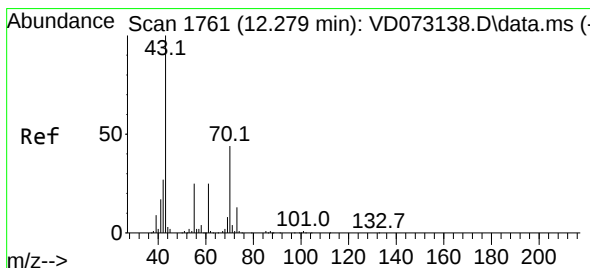
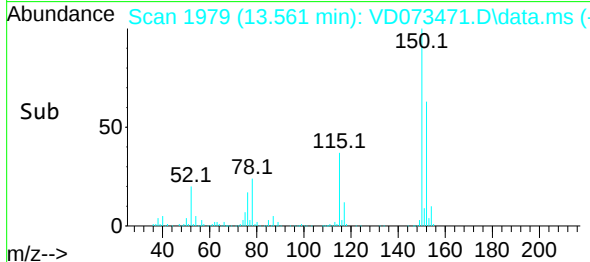
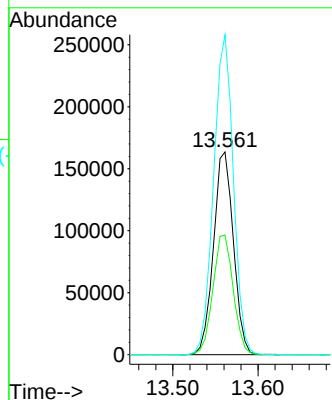
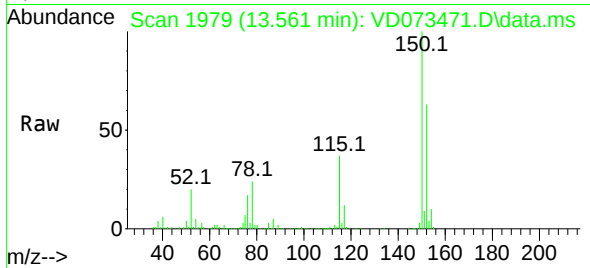




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

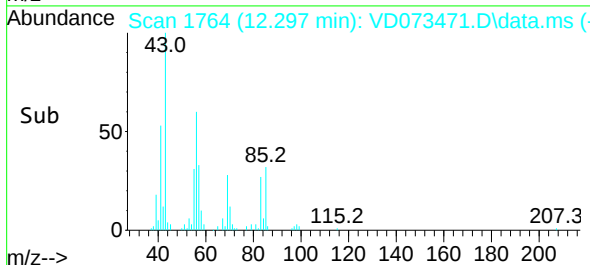
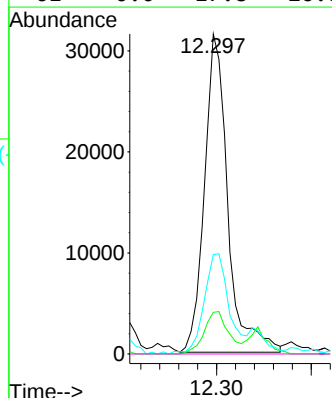
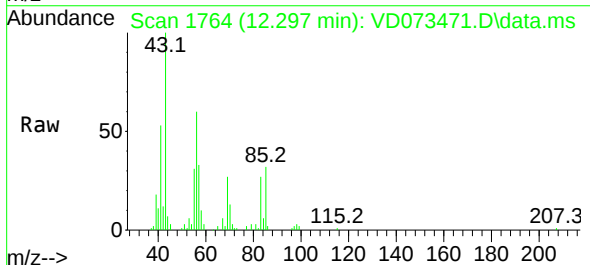
Instrument :
MSVOA_D
ClientSampleId :
RCA-BACKFILL-MATERIAL

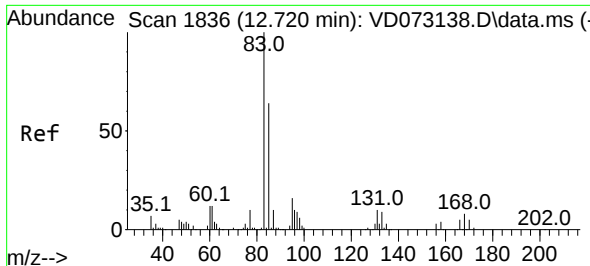
Tgt Ion:152 Resp: 265870
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 156.4 0.0 348.6



#74
N-ethyl acetate
Concen: 13.020 ug/l
RT: 12.297 min Scan# 1764
Delta R.T. 0.018 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion: 43 Resp: 53836
Ion Ratio Lower Upper
43 100
70 14.1 31.3 46.9#
55 34.1 20.0 30.0#
61 0.0 17.8 26.8#

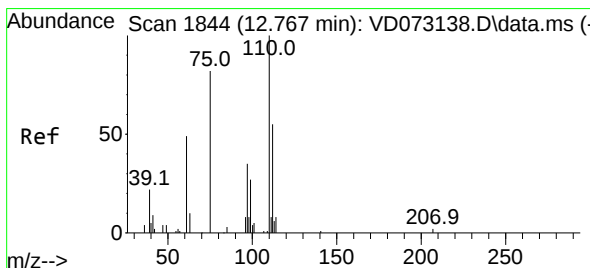
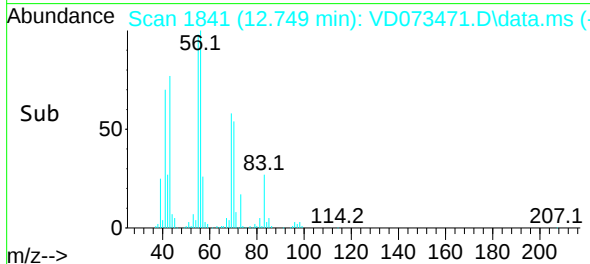
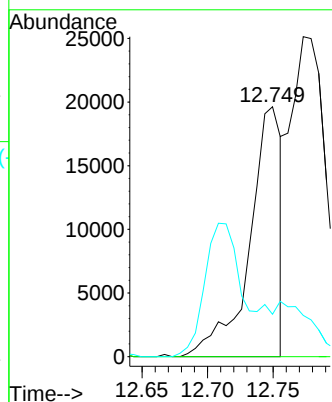
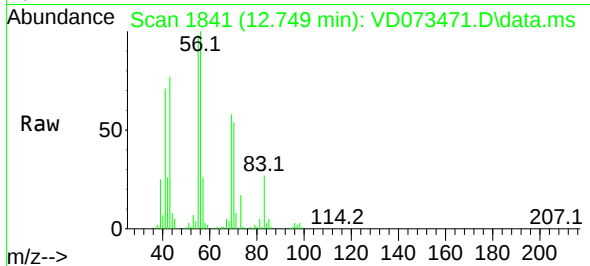




#75
1,1,2,2-Tetrachloroethane
Concen: 9.462 ug/l
RT: 12.749 min Scan# 1819
Delta R.T. 0.029 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

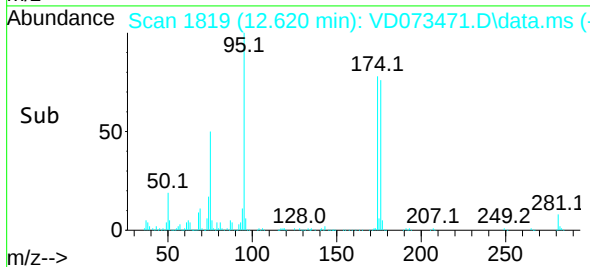
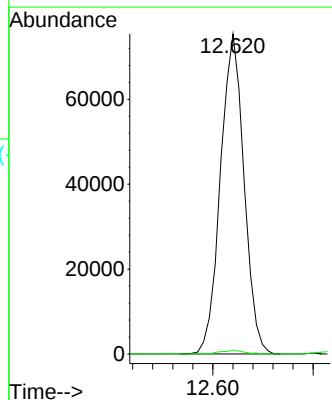
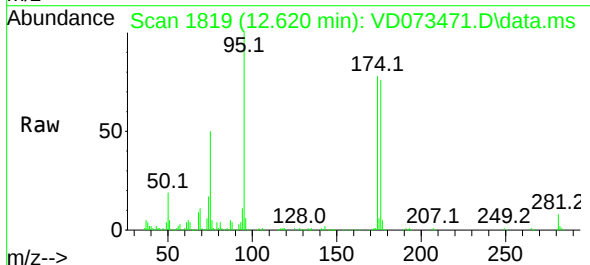
Instrument : MSVOA_D
ClientSampleId : RCA-BACKFILL-MATERIAL

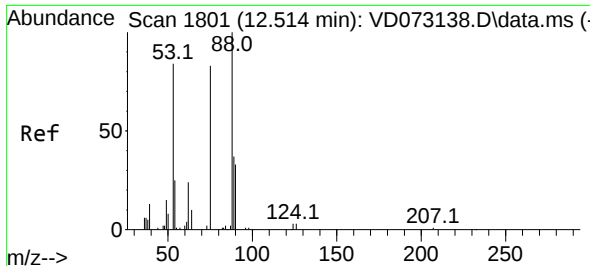
Tgt Ion: 83 Resp: 33075
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 47.087 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion: 75 Resp: 122834
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

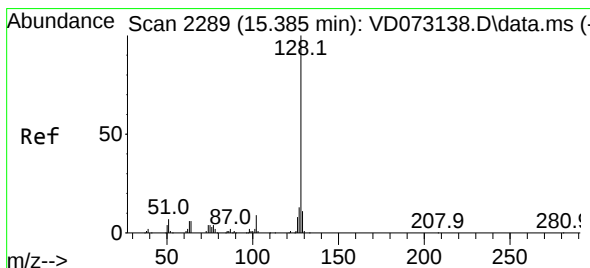
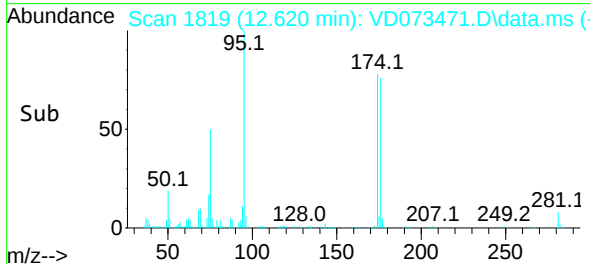
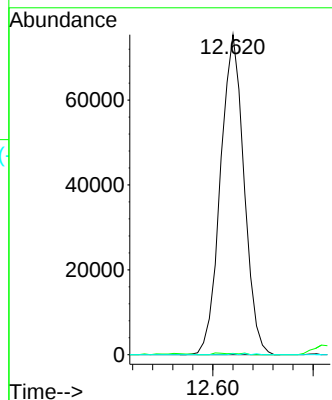
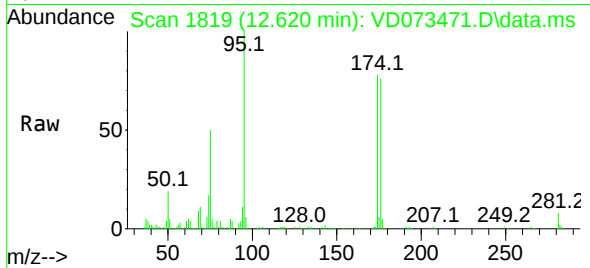




#81
trans-1,4-Dichloro-2-butene
Concen: 113.042 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Instrument :
MSVOA_D
ClientSampleId :
RCA-BACKFILL-MATERIAL

Tgt Ion: 75 Resp: 122834
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.783 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073471.D
Acq: 02 Jun 2022 14:54

Tgt Ion: 128 Resp: 2263
Ion Ratio Lower Upper
128 100
127 17.2 10.3 15.5#
129 18.9 8.4 12.6#

