

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073264.D
 Acq On : 22 May 2022 09:27
 Operator : VA/SY
 Sample : N2920-19
 Misc : 4.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS007-0006-01

Quant Time: May 23 01:14:50 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)

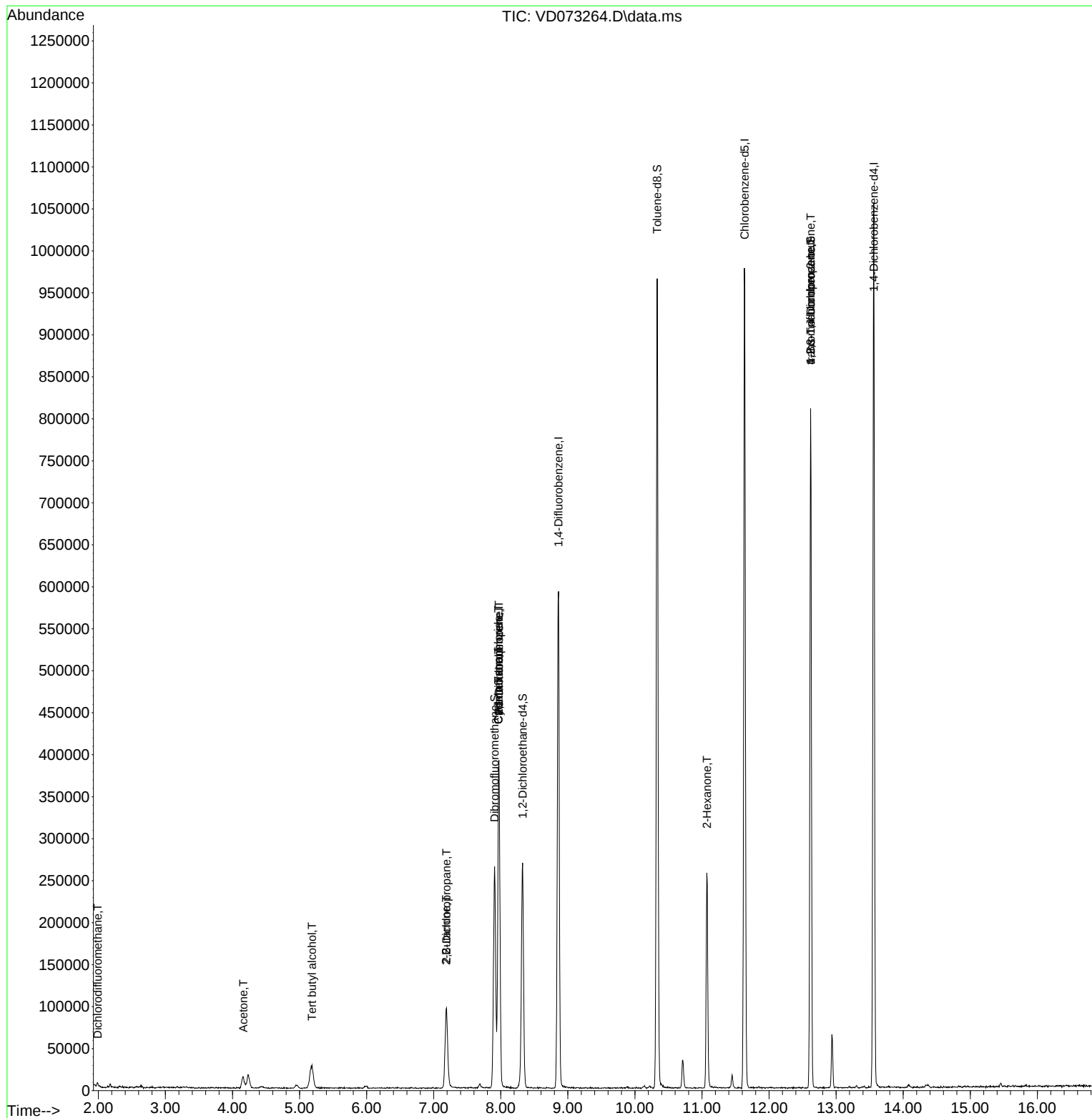
Internal Standards						
1) Pentafluorobenzene	7.973	168	279322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	507105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	573932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	274511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	208673	67.599	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.200%	
35) Dibromofluoromethane	7.908	113	187601	56.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.120%	
50) Toluene-d8	10.332	98	640428	51.920	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.620	95	255668	59.061	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	3626	1.299	ug/l	92
5) Bromomethane	2.773	94	597	Below Cal		100
11) Tert butyl alcohol	5.185	59	24926	52.045	ug/l #	76
16) Acetone	4.162	43	23506	43.962	ug/l #	84
20) Methylene Chloride	4.961	84	2735	Below Cal	#	78
25) 2-Butanone	7.185	43	5758	7.361	ug/l	91
26) 2,2-Dichloropropane	7.191	77	6245	1.201	ug/l #	54
31) Cyclohexane	7.967	56	6641	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	23880	4.745	ug/l #	50
38) Carbon Tetrachloride	7.967	117	29897	5.860	ug/l #	17
59) 2-Hexanone	11.073	43	2595	2.063	ug/l #	47
76) 1,2,3-Trichloropropane	12.620	75	133356	49.512	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	133356	118.862	ug/l #	7

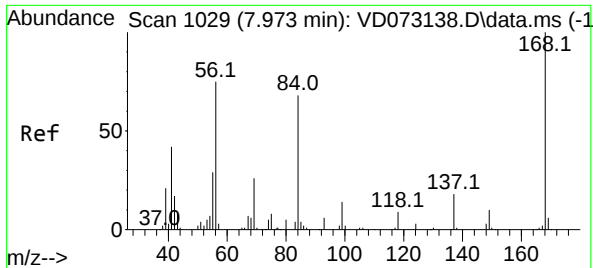
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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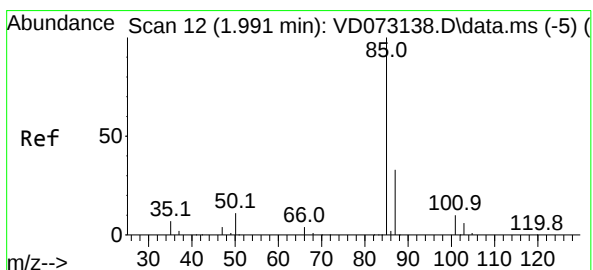
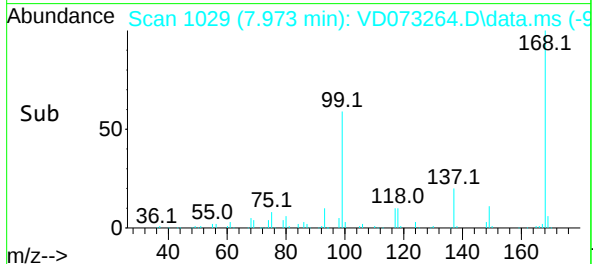
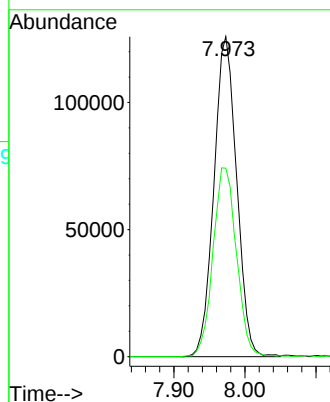
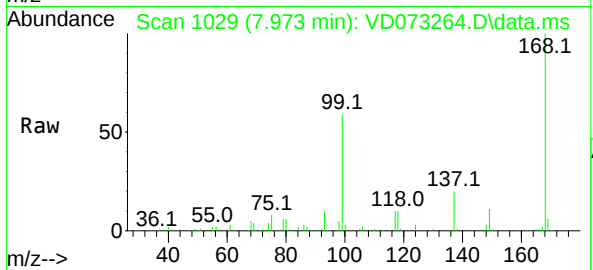




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

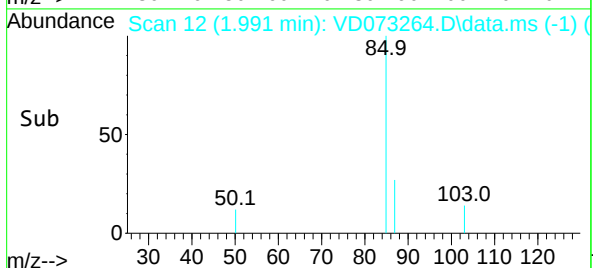
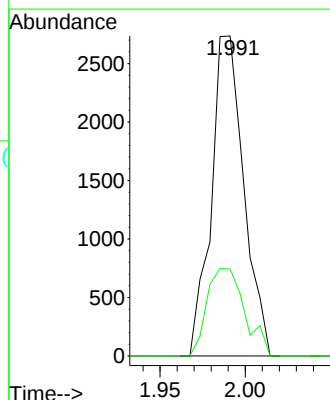
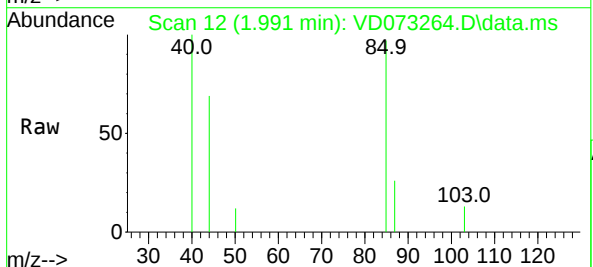
Instrument :
MSVOA_D
ClientSampleId :
P024-SS007-0006-01

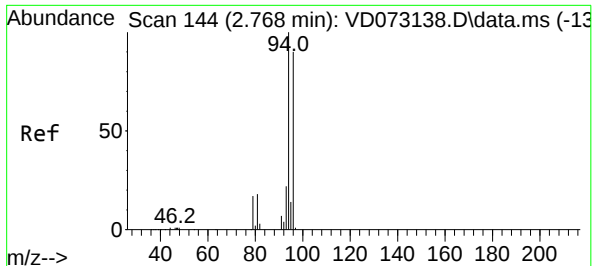
Tgt Ion:168 Resp: 279322
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.299 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

Tgt Ion: 85 Resp: 3626
Ion Ratio Lower Upper
85 100
87 27.2 15.7 47.0

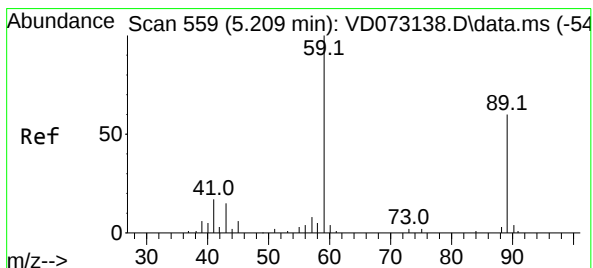
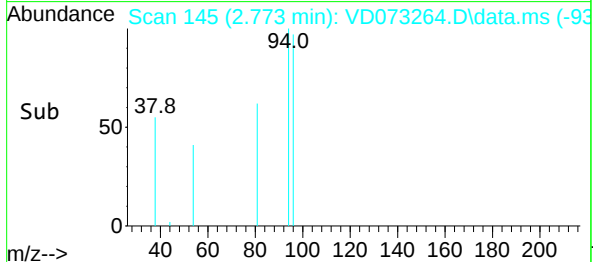
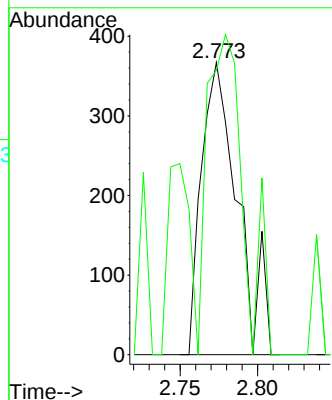
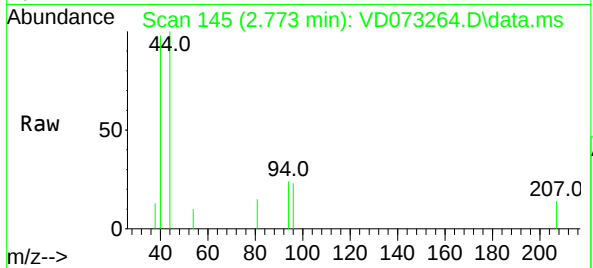




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

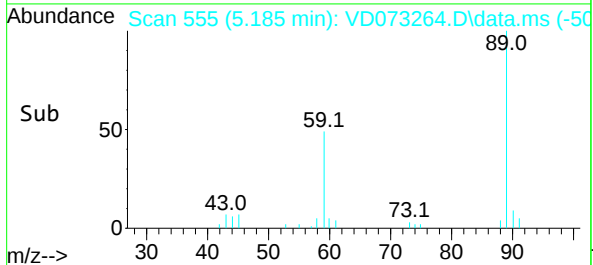
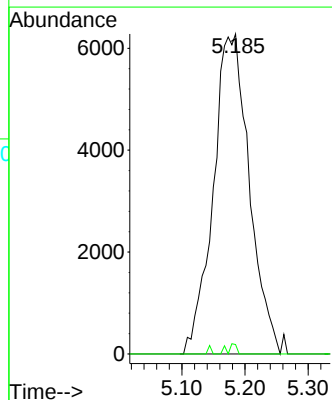
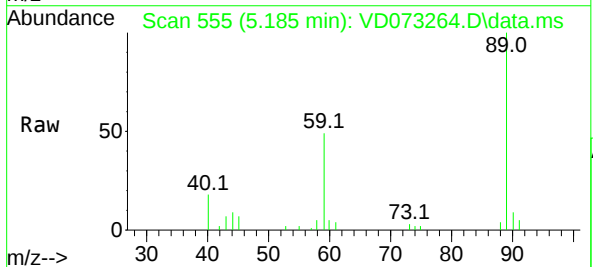
Instrument :
MSVOA_D
ClientSampleId :
P024-SS007-0006-01

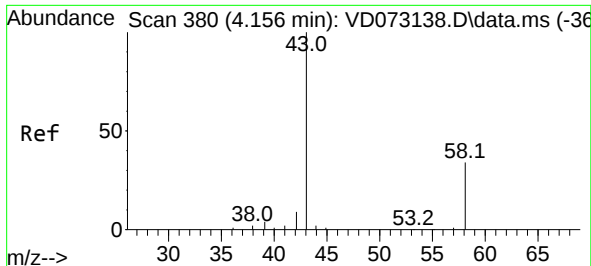
Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 97.3 77.6 116.4



#11
Tert butyl alcohol
Concen: 52.045 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

Tgt Ion: 59 Resp: 24926
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.6#

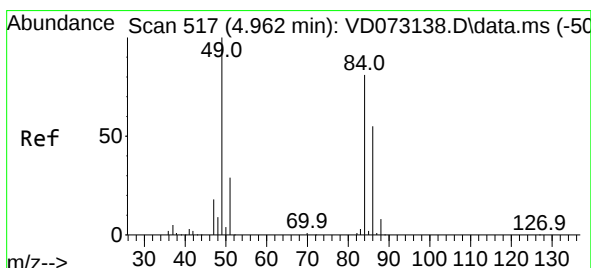
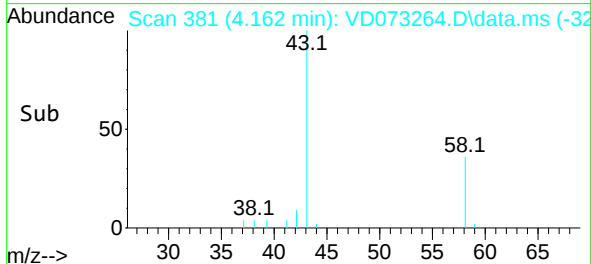
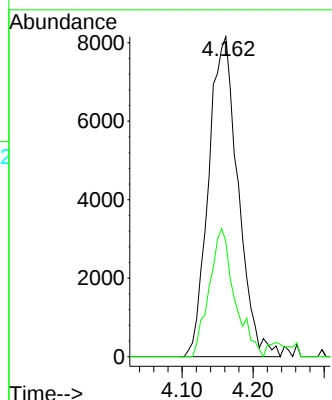
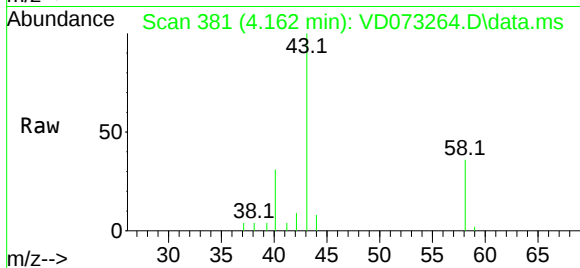




#16
Acetone
Concen: 43.962 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

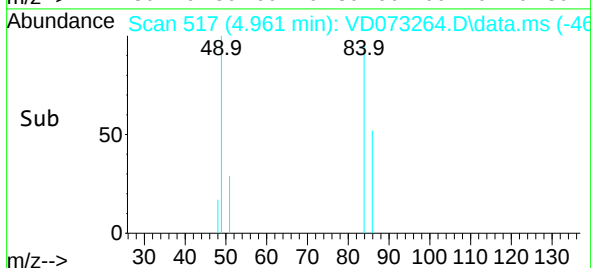
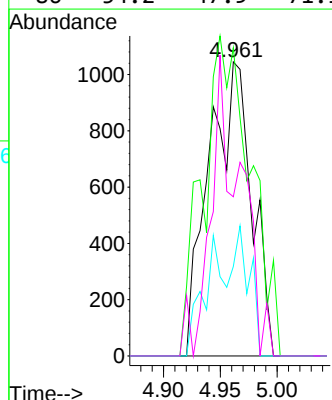
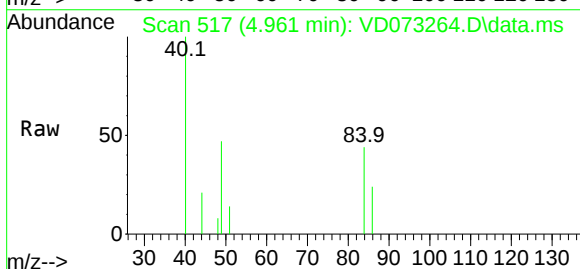
Instrument :
MSVOA_D
ClientSampleId :
P024-SS007-0006-01

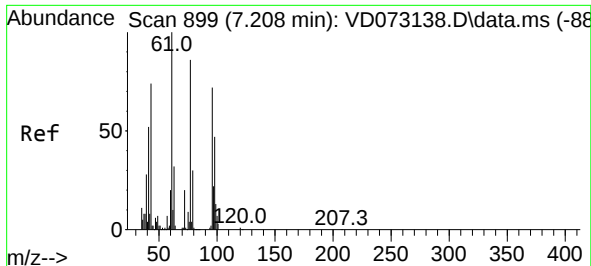
Tgt Ion: 43 Resp: 23506
Ion Ratio Lower Upper
43 100
58 36.1 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

Tgt Ion: 84 Resp: 2735
Ion Ratio Lower Upper
84 100
49 104.8 112.8 169.2#
51 30.4 32.6 48.8#
86 54.2 47.9 71.9

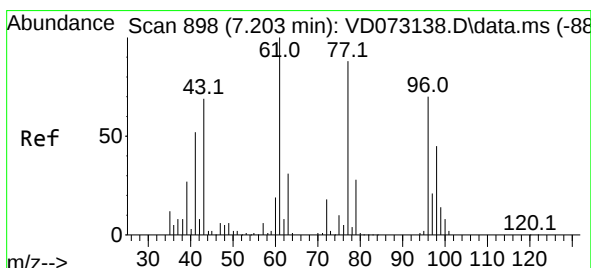
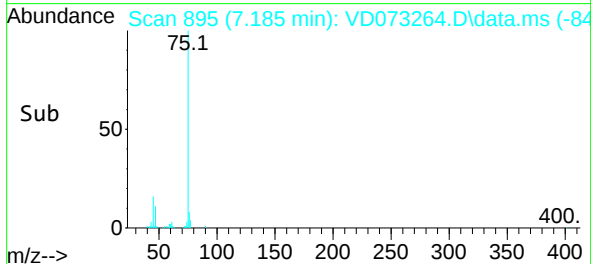
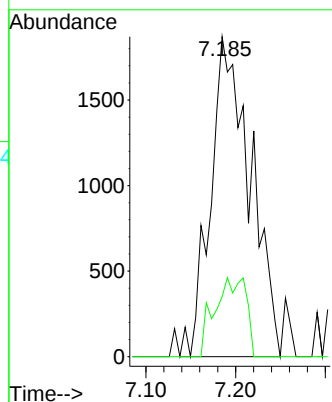
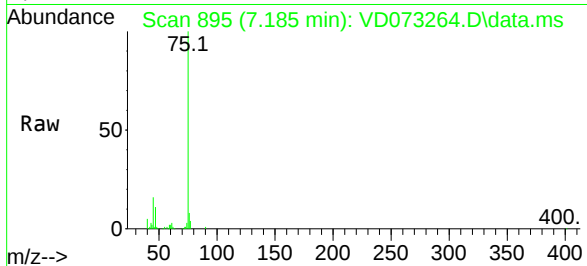




#25
2-Butanone
Concen: 7.361 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

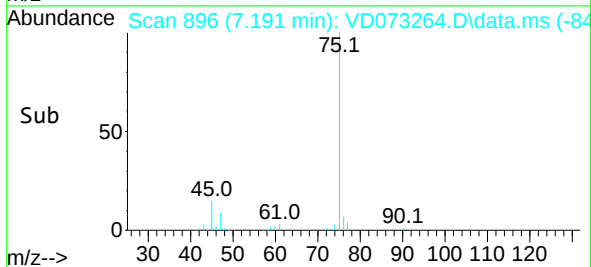
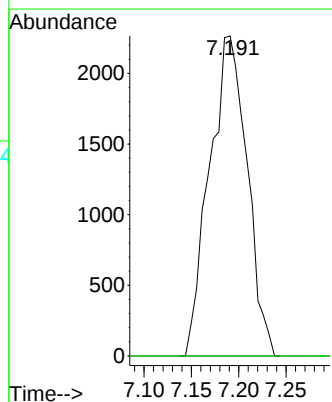
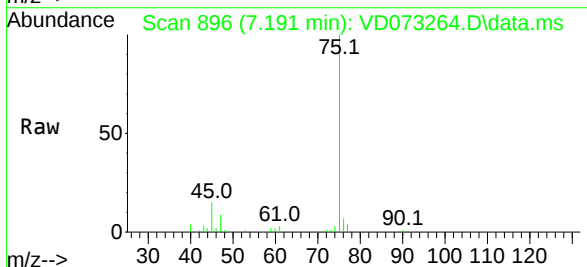
Instrument :
MSVOA_D
ClientSampleId :
P024-SS007-0006-01

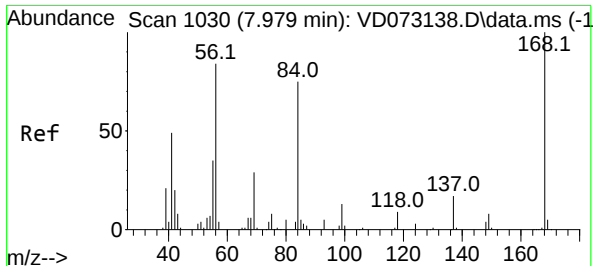
Tgt Ion: 43 Resp: 5758
Ion Ratio Lower Upper
43 100
72 18.8 18.6 27.8



#26
2,2-Dichloropropane
Concen: 1.201 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

Tgt Ion: 77 Resp: 6245
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073264.D

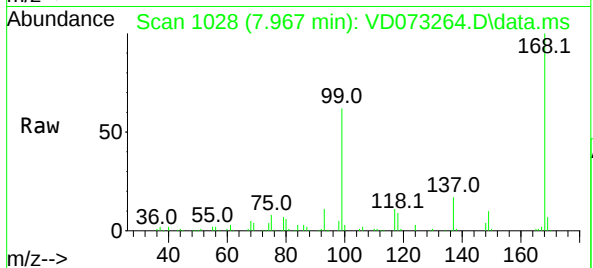
Acq: 22 May 2022 09:27

Instrument :

MSVOA_D

ClientSampleId :

P024-SS007-0006-01



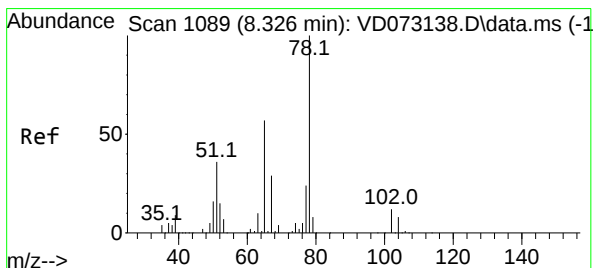
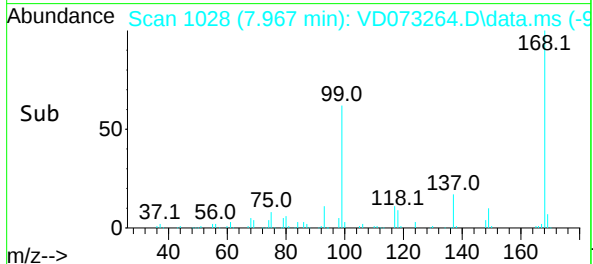
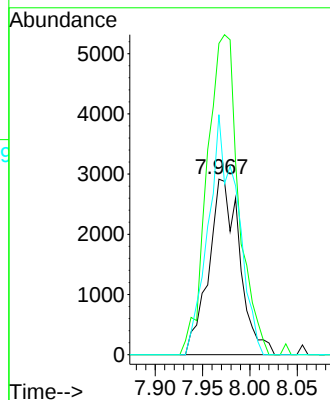
Tgt Ion: 56 Resp: 6641

Ion Ratio Lower Upper

56 100

69 177.3 25.4 38.2#

84 136.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 67.599 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073264.D

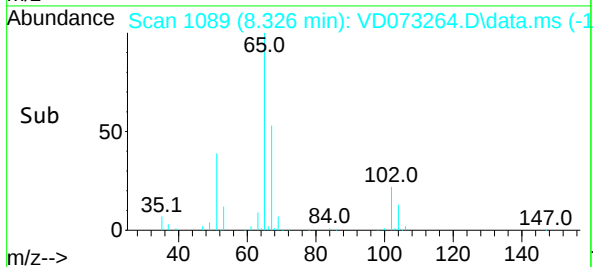
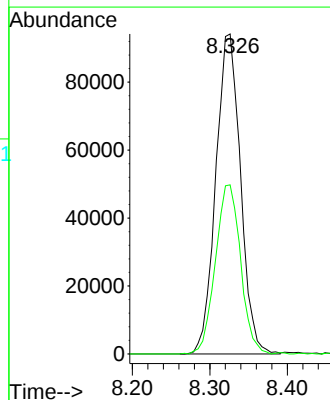
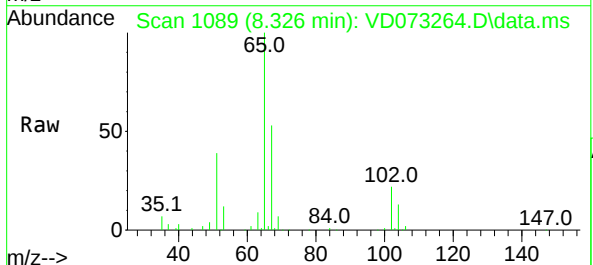
Acq: 22 May 2022 09:27

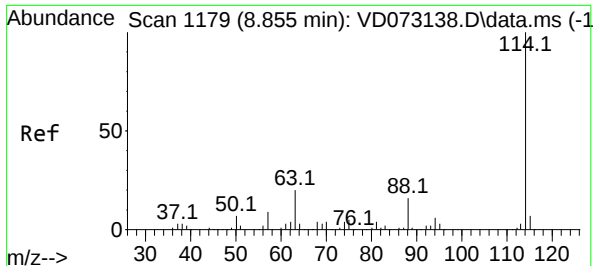
Tgt Ion: 65 Resp: 208673

Ion Ratio Lower Upper

65 100

67 53.8 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: VD073264.D

Acq: 22 May 2022 09:27

Instrument :

MSVOA_D

ClientSampleId :

P024-SS007-0006-01

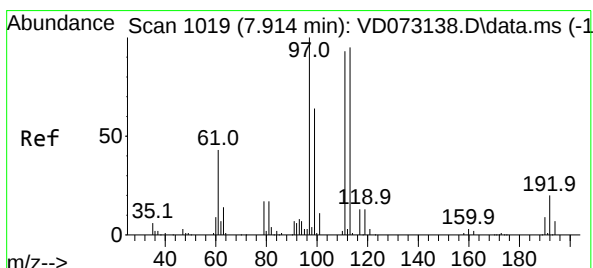
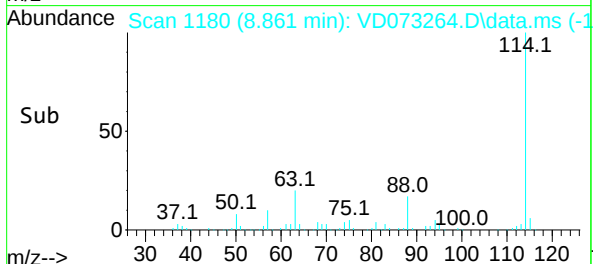
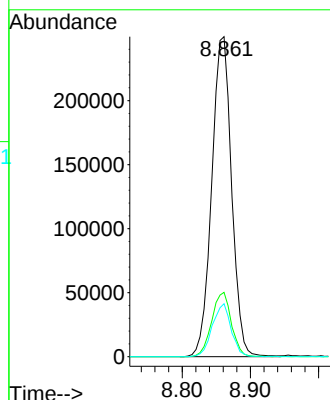
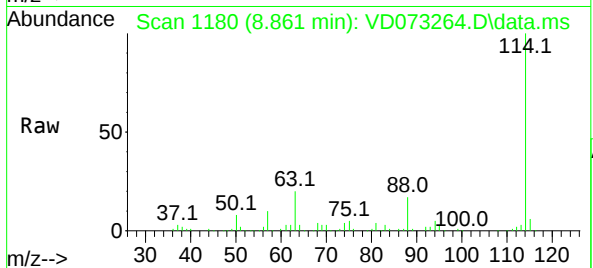
Tgt Ion:114 Resp: 507105

Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 16.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 56.064 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073264.D

Acq: 22 May 2022 09:27

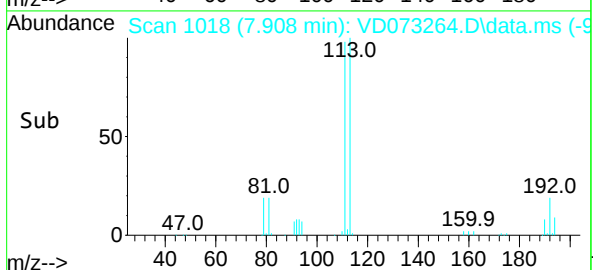
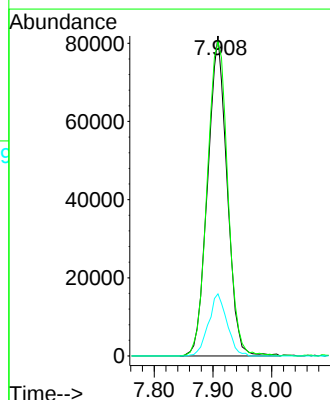
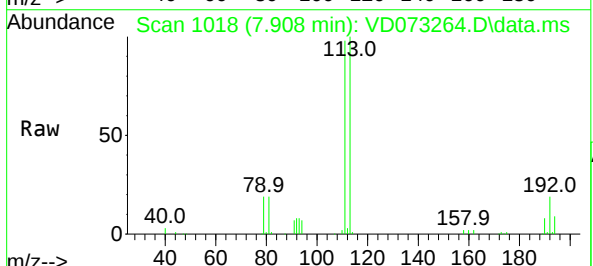
Tgt Ion:113 Resp: 187601

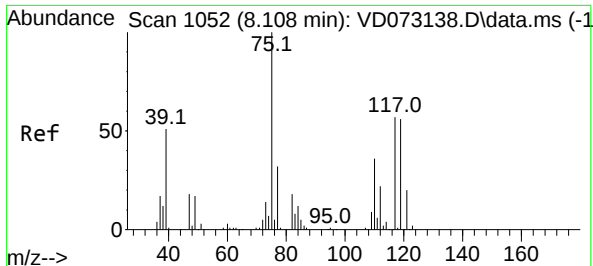
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073264.D

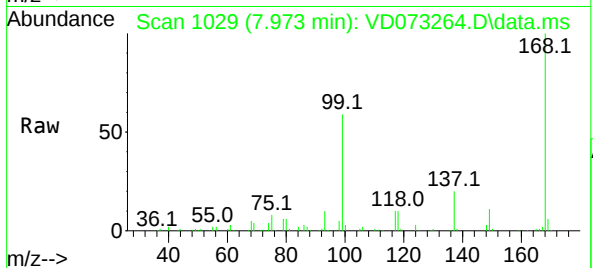
Acq: 22 May 2022 09:27

Instrument :

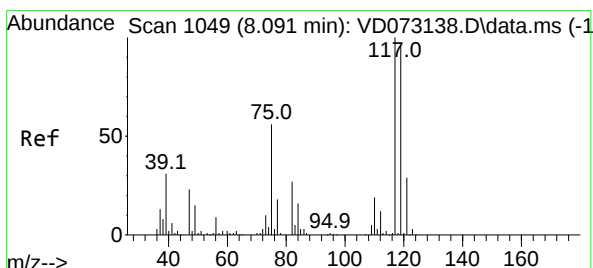
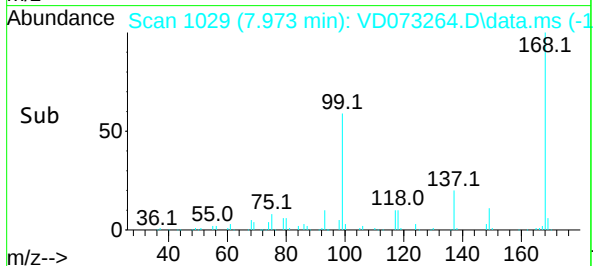
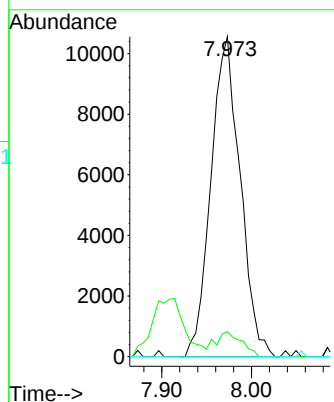
MSVOA_D

ClientSampleId :

P024-SS007-0006-01



Tgt Ion:	75	Resp:	23880
Ion	Ratio	Lower	Upper
75	100		
110	7.0	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.860 ug/l

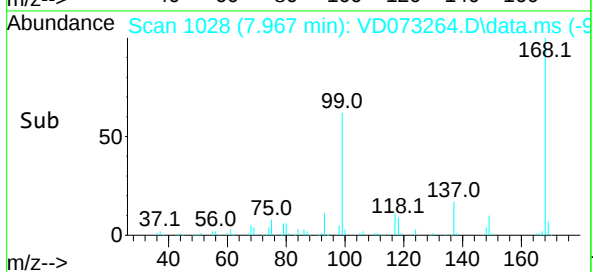
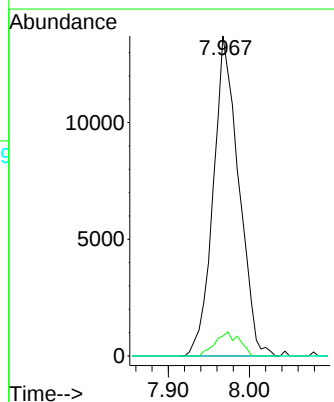
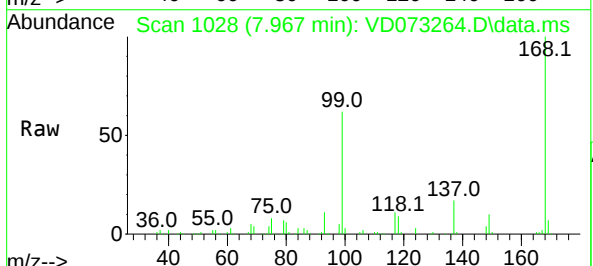
RT: 7.967 min Scan# 1028

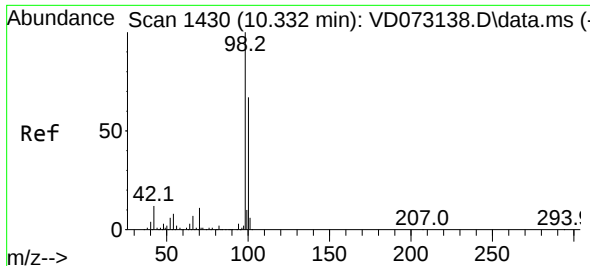
Delta R.T. -0.124 min

Lab File: VD073264.D

Acq: 22 May 2022 09:27

Tgt Ion:	117	Resp:	29897
Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	24.5	36.7#

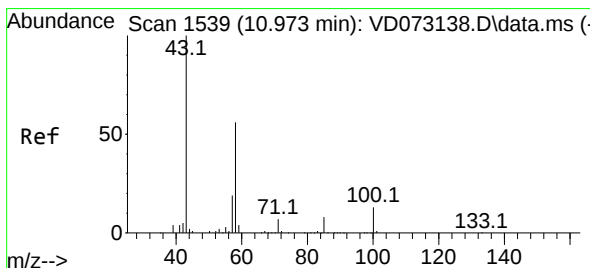
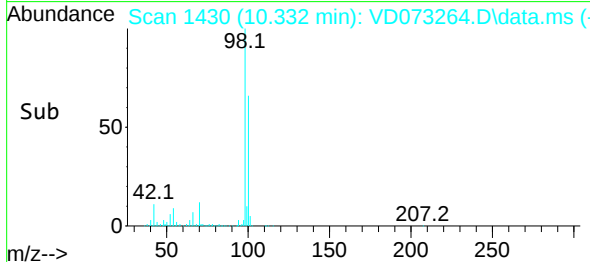
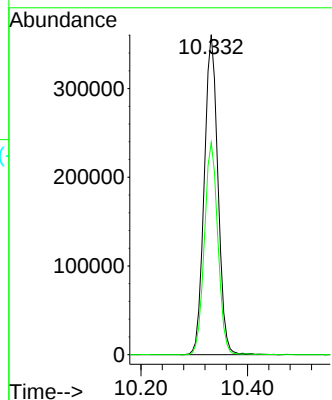
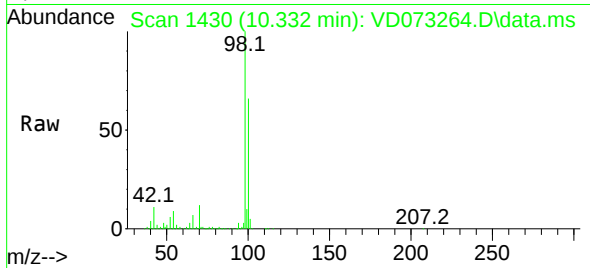




#50
Toluene-d8
Concen: 51.920 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

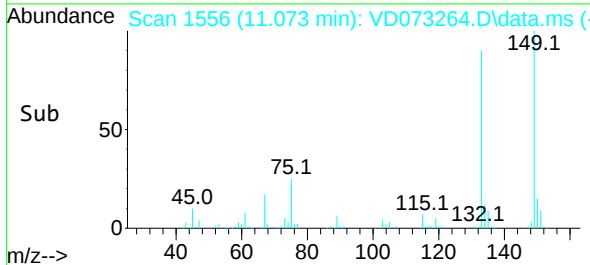
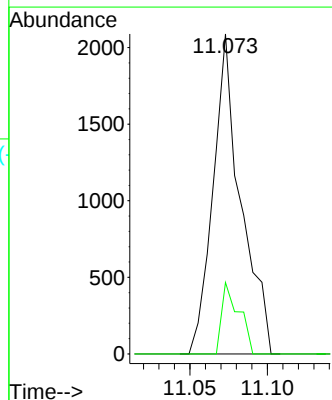
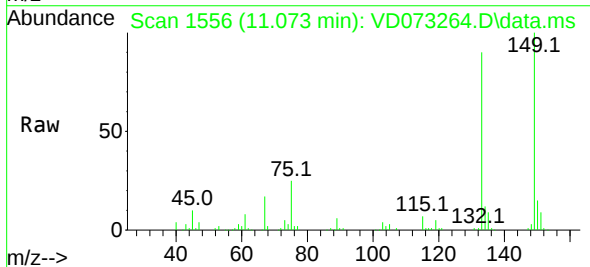
Instrument :
MSVOA_D
ClientSampleId :
P024-SS007-0006-01

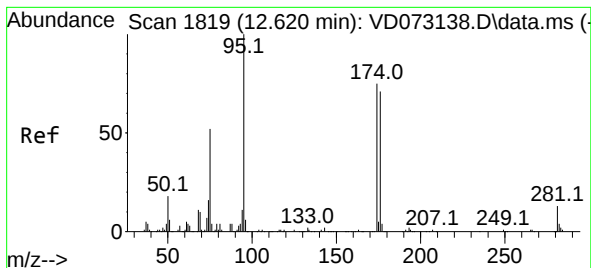
Tgt Ion: 98 Resp: 640428
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#59
2-Hexanone
Concen: 2.063 ug/l
RT: 11.073 min Scan# 1556
Delta R.T. 0.100 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

Tgt Ion: 43 Resp: 2595
Ion Ratio Lower Upper
43 100
58 13.8 25.3 75.9#

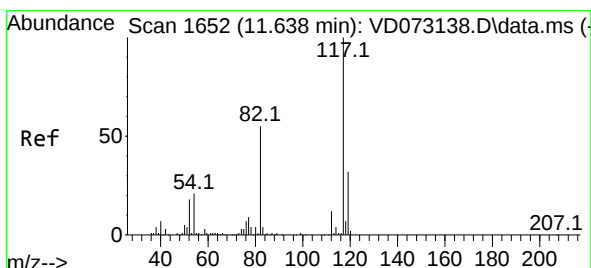
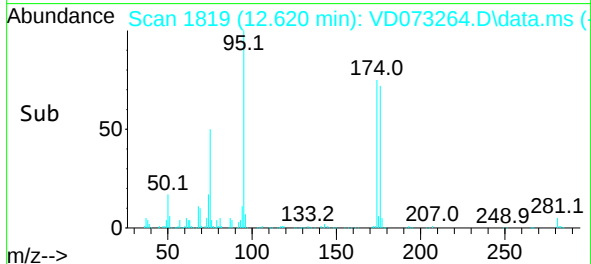
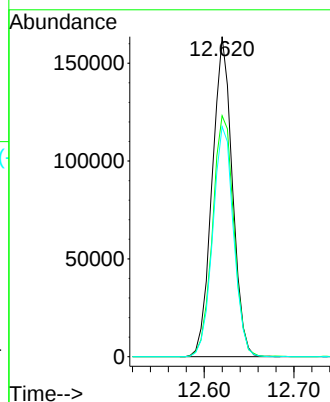
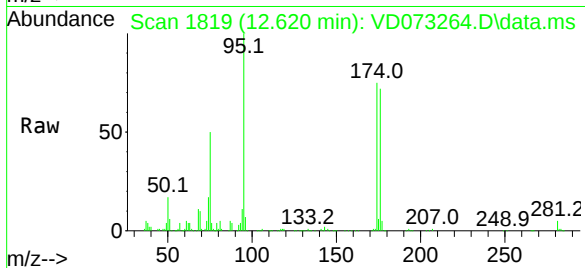




#62
4-Bromofluorobenzene
Concen: 59.061 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

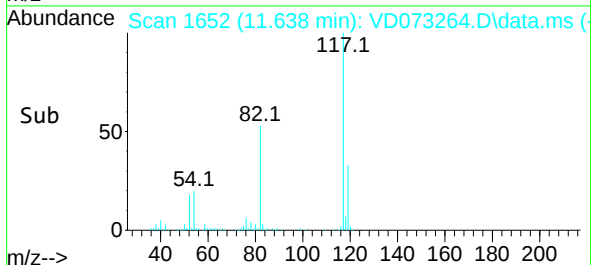
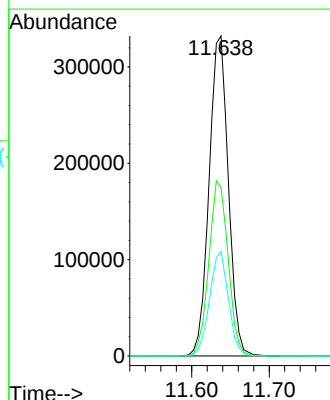
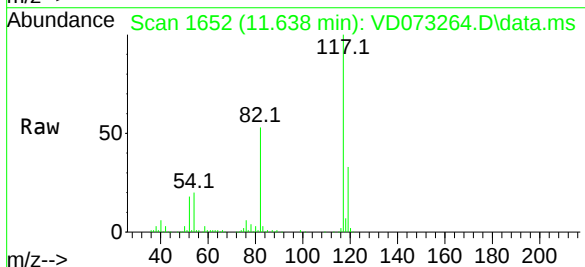
Instrument :
MSVOA_D
ClientSampleId :
P024-SS007-0006-01

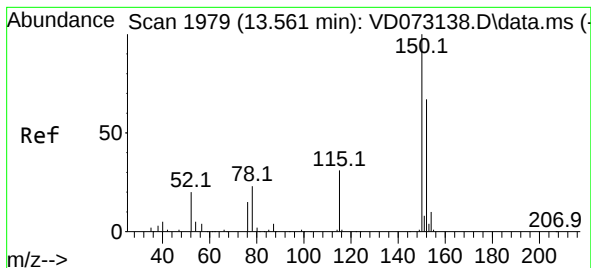
Tgt Ion: 95 Resp: 255668
Ion Ratio Lower Upper
95 100
174 79.0 0.0 152.8
176 73.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073264.D
Acq: 22 May 2022 09:27

Tgt Ion: 117 Resp: 573932
Ion Ratio Lower Upper
117 100
82 52.6 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: VD073264.D

Acq: 22 May 2022 09:27

Instrument :

MSVOA_D

ClientSampleId :

P024-SS007-0006-01

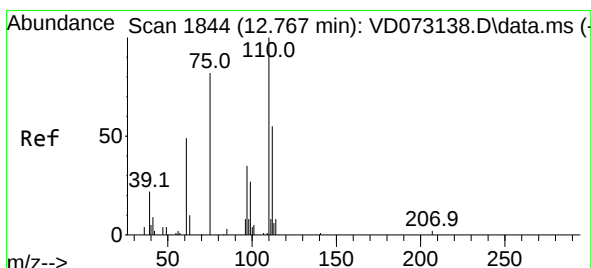
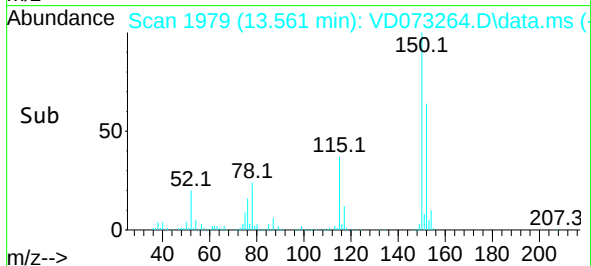
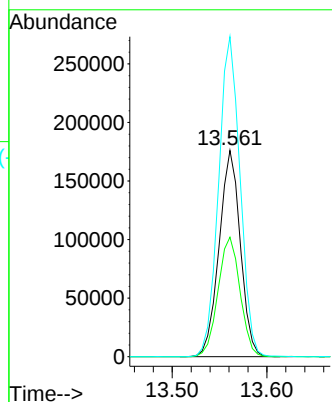
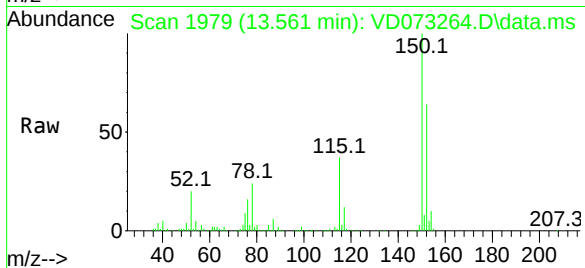
Tgt Ion:152 Resp: 274511

Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 157.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.512 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073264.D

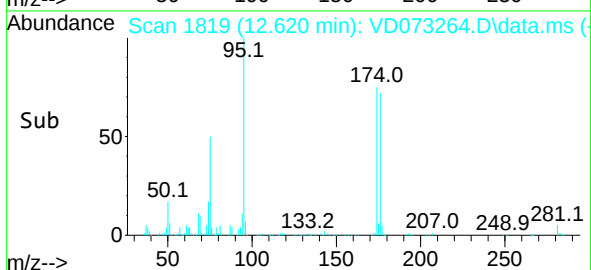
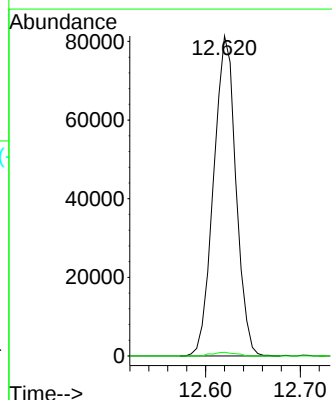
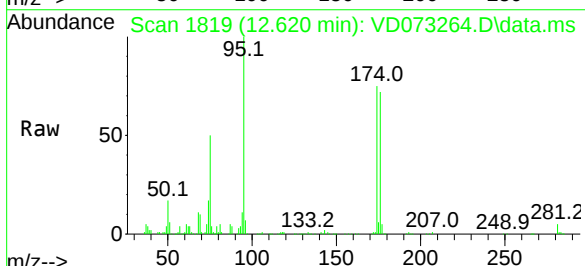
Acq: 22 May 2022 09:27

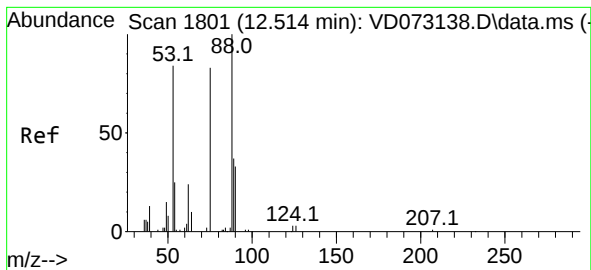
Tgt Ion: 75 Resp: 133356

Ion Ratio Lower Upper

75 100

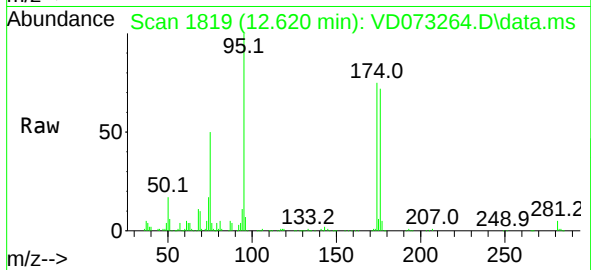
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.862 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073264.D
 Acq: 22 May 2022 09:27

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS007-0006-01



Tgt Ion: 75 Resp: 133356
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

