

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073305.D
 Acq On : 24 May 2022 02:55
 Operator : VA/SY
 Sample : N2949-07
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-0612-02

Quant Time: May 24 03:32:10 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)

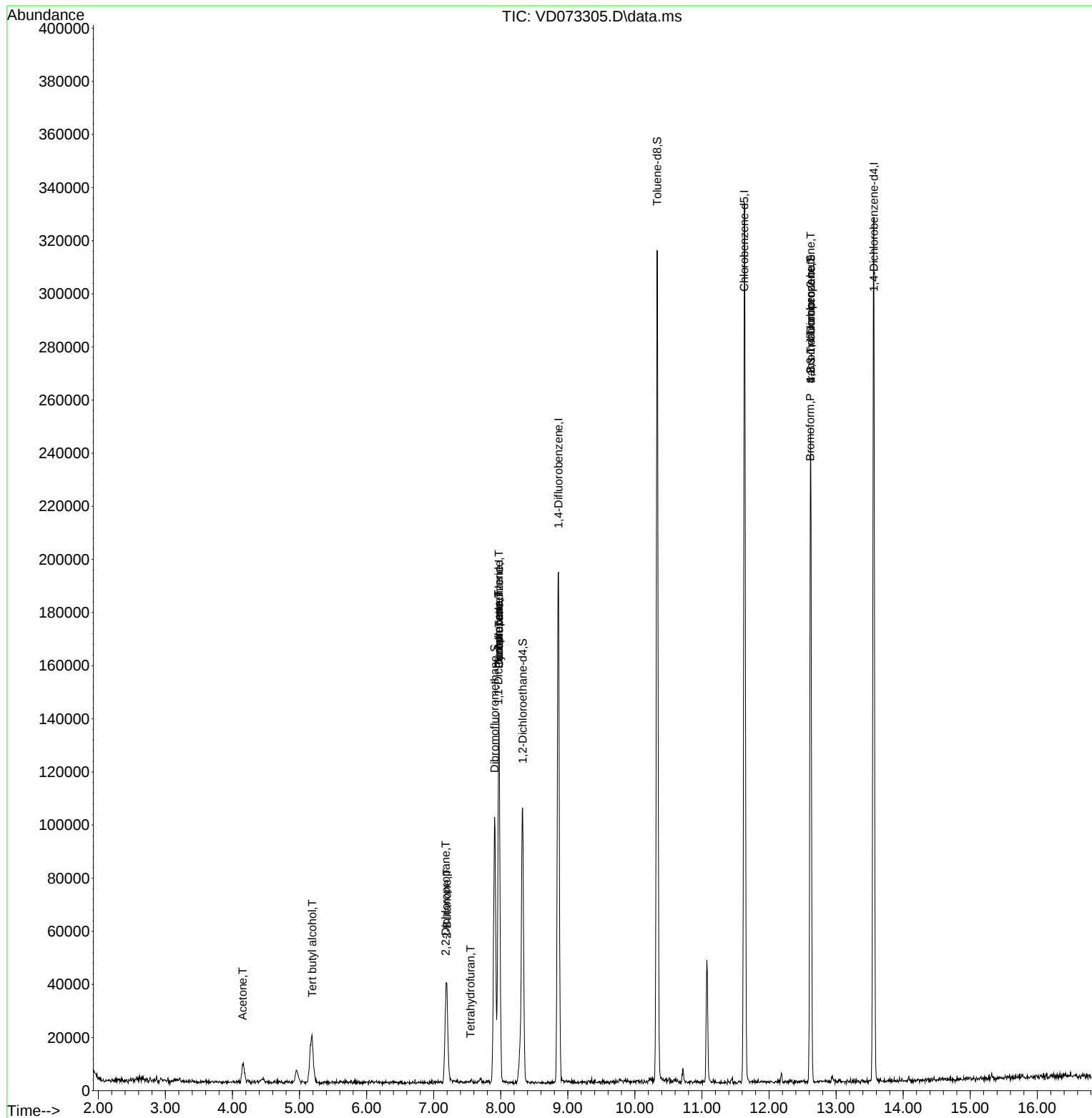
Internal Standards						
1) Pentafluorobenzene	7.973	168	95668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	165053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	196884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	90024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	81265	76.863	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.720%			
35) Dibromofluoromethane	7.909	113	71138	65.316	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.640%			
50) Toluene-d8	10.332	98	210995	52.554	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.620	95	82884	58.826	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.660%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	445	Below Cal	#	1
11) Tert butyl alcohol	5.191	59	16782	102.307	ug/l #	75
16) Acetone	4.150	43	14260	77.868	ug/l #	89
20) Methylene Chloride	4.944	84	2000	Below Cal	#	49
25) 2-Butanone	7.197	43	2128	7.943	ug/l	90
26) 2,2-Dichloropropane	7.179	77	1808	1.015	ug/l #	54
29) Tetrahydrofuran	7.550	42	388	2.240	ug/l #	38
31) Cyclohexane	7.973	56	2320	1.256	ug/l #	23
36) 1,1-Dichloropropene	7.967	75	8392	5.123	ug/l #	50
38) Carbon Tetrachloride	7.973	117	9857	5.936	ug/l #	16
71) Bromoform	12.614	173	1077	1.397	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	43047	48.735	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	43047	116.997	ug/l #	7

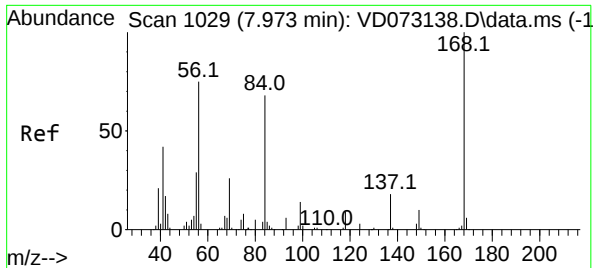
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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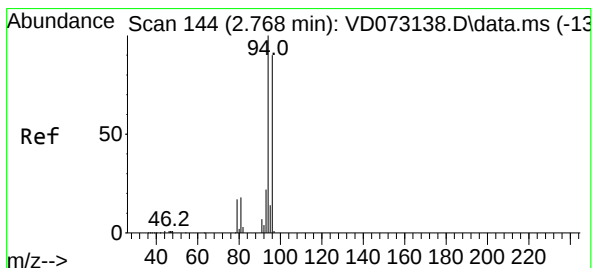
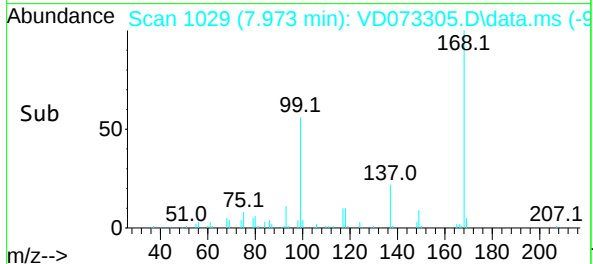
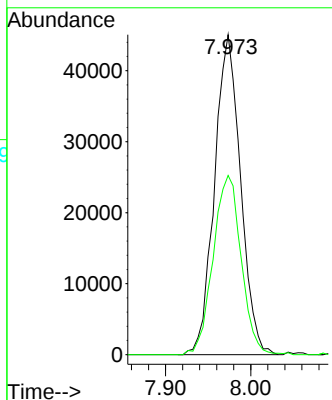
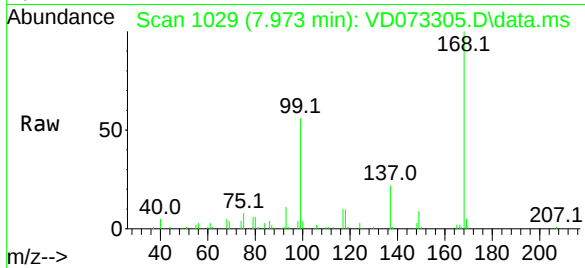




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

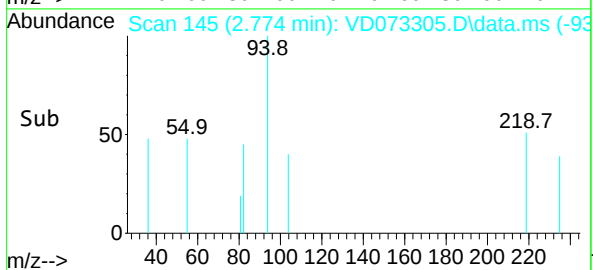
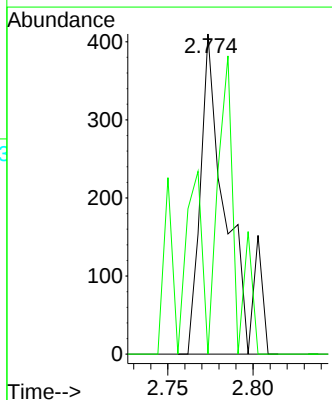
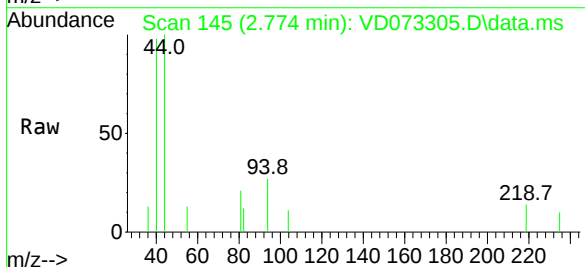
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

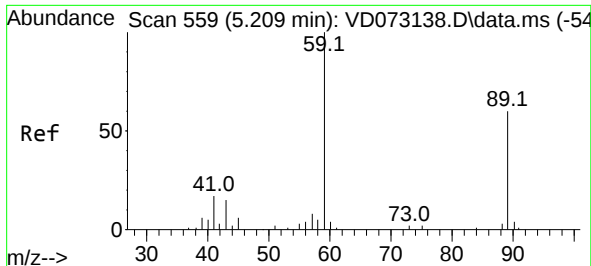
Tgt Ion:168 Resp: 95668
Ion Ratio Lower Upper
168 100
99 56.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

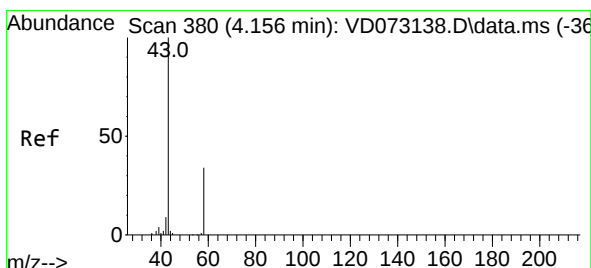
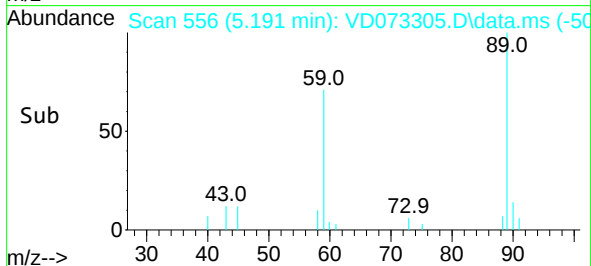
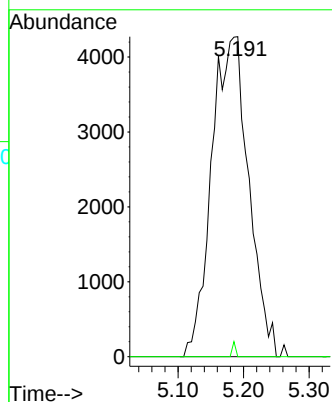
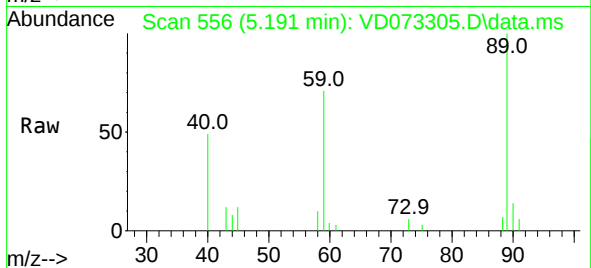




#11
Tert butyl alcohol
Concen: 102.307 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

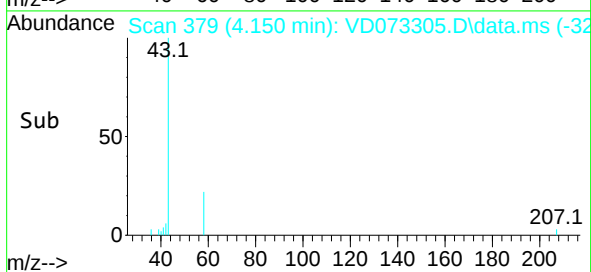
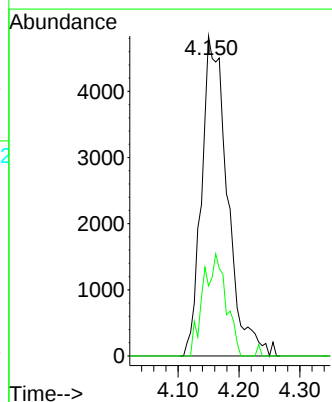
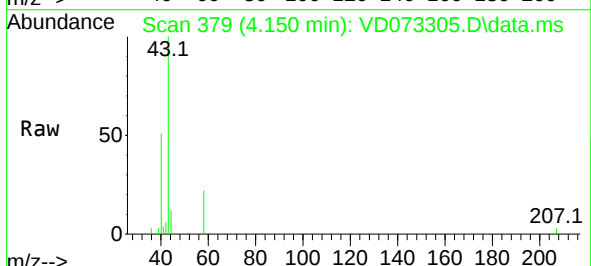
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

Tgt Ion: 59 Resp: 16782
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#16
Acetone
Concen: 77.868 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

Tgt Ion: 43 Resp: 14260
Ion Ratio Lower Upper
43 100
58 21.8 22.1 33.1#

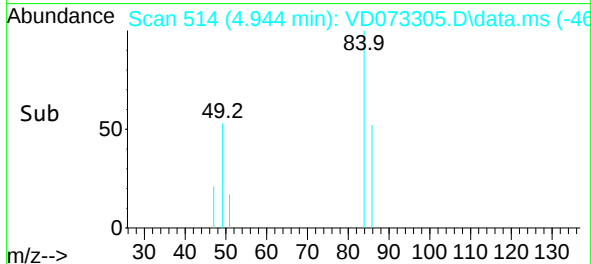
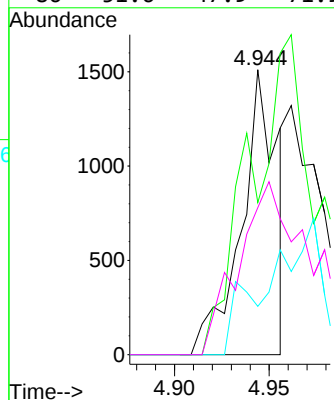
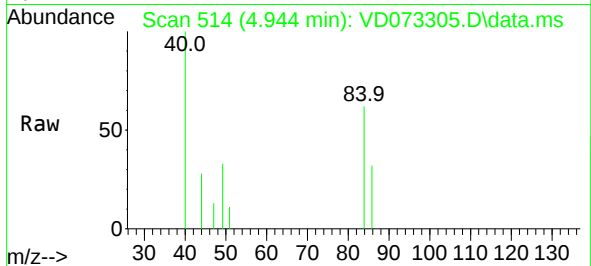




#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 517
Delta R.T. -0.018 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

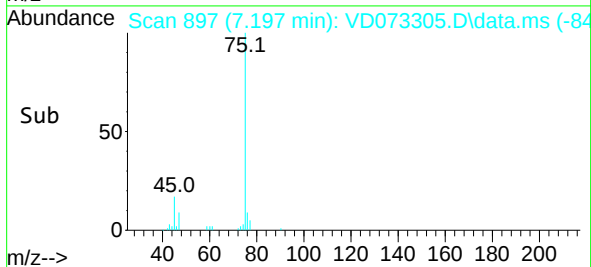
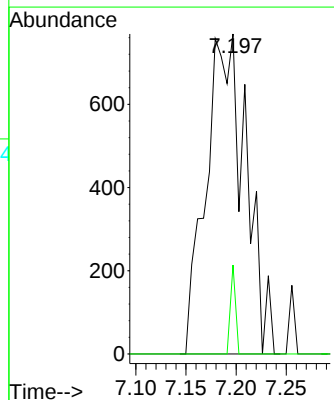
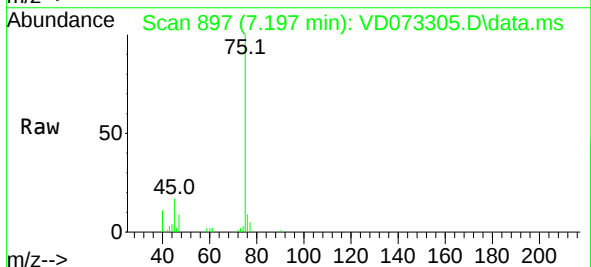
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

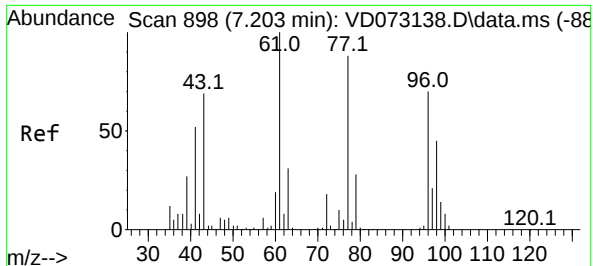
Tgt Ion: 84 Resp: 2000
Ion Ratio Lower Upper
84 100
49 53.4 112.8 169.2#
51 16.9 32.6 48.8#
86 51.6 47.9 71.9



#25
2-Butanone
Concen: 7.943 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

Tgt Ion: 43 Resp: 2128
Ion Ratio Lower Upper
43 100
72 27.8 18.6 27.8





#26

2,2-Dichloropropane

Concen: 1.015 ug/l

RT: 7.179 min Scan# 89

Delta R.T. -0.024 min

Lab File: VD073305.D

Acq: 24 May 2022 02:55

Instrument :

MSVOA_D

ClientSampleId :

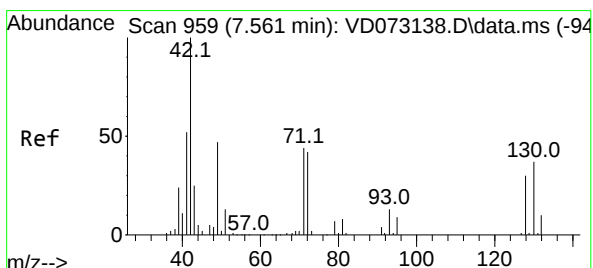
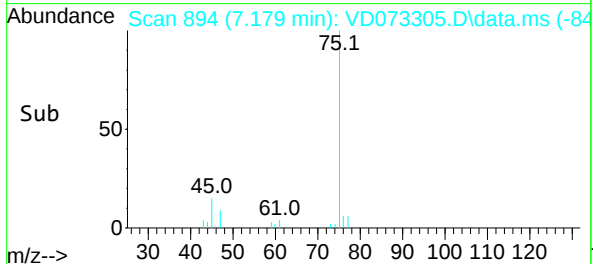
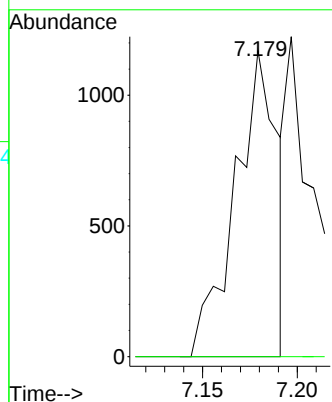
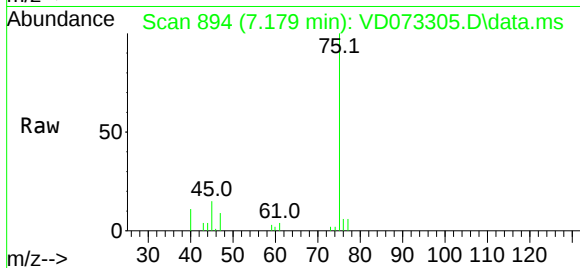
P043-SS001-0612-02

Tgt Ion: 77 Resp: 1808

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 2.240 ug/l

RT: 7.550 min Scan# 957

Delta R.T. -0.011 min

Lab File: VD073305.D

Acq: 24 May 2022 02:55

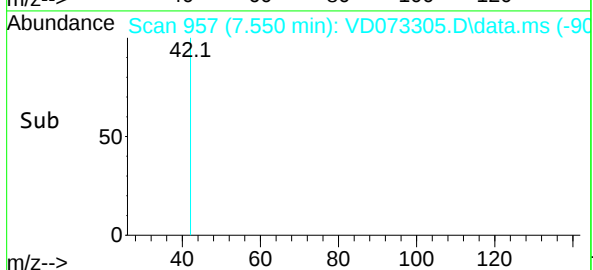
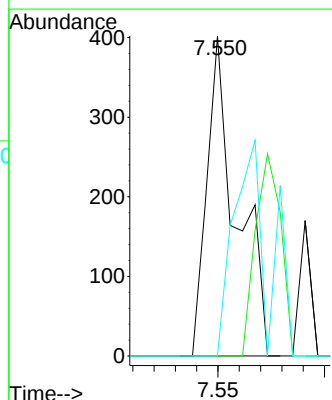
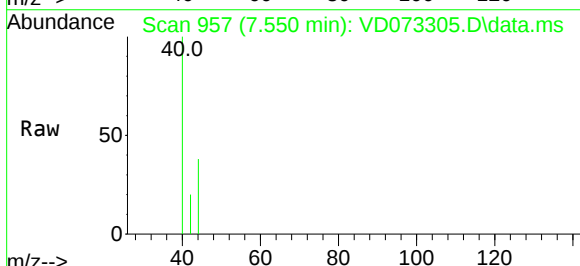
Tgt Ion: 42 Resp: 388

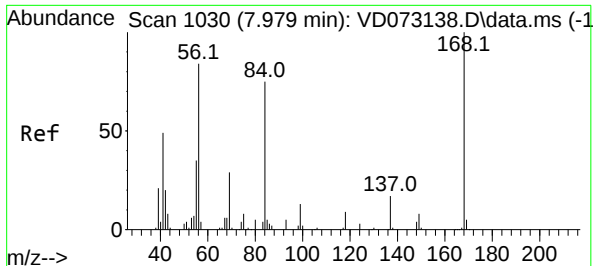
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#

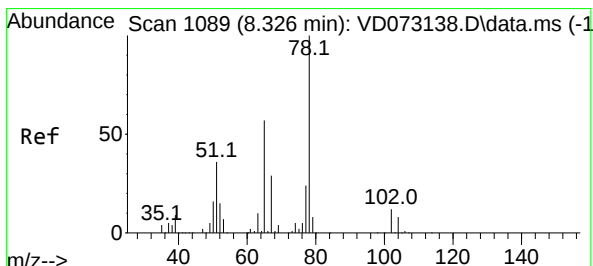
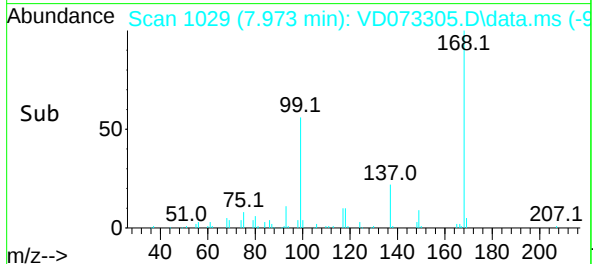
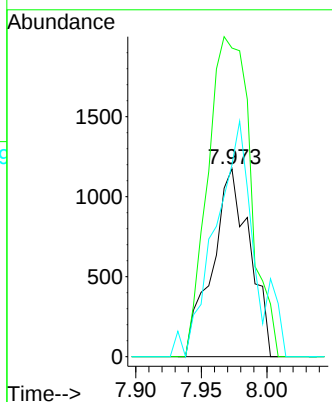
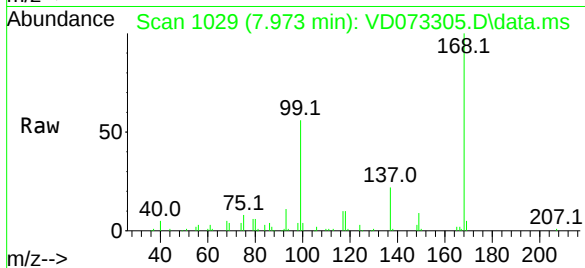




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

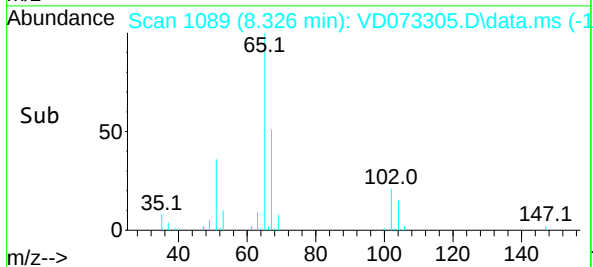
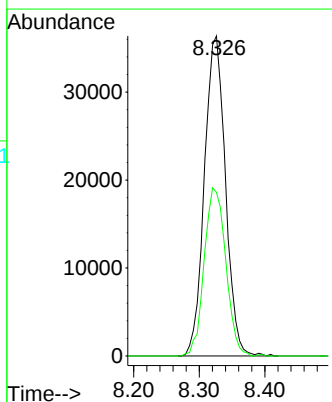
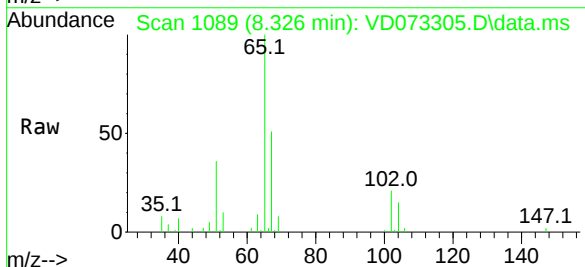
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P043-SS001-0612-02

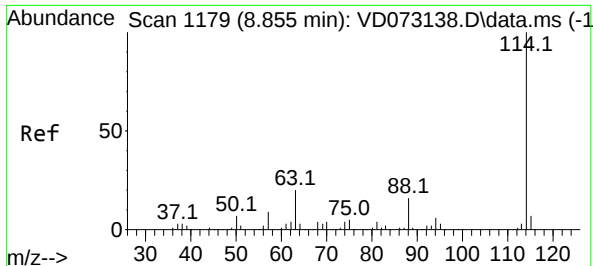
Tgt Ion: 56 Resp: 2320
Ion Ratio Lower Upper
56 100
69 164.3 25.4 38.2#
84 88.6 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 76.863 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

Tgt Ion: 65 Resp: 81265
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: VD073305.D

Acq: 24 May 2022 02:55

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0612-02

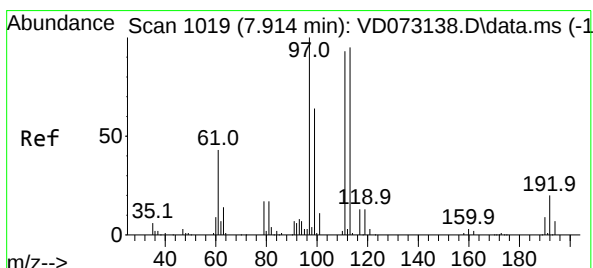
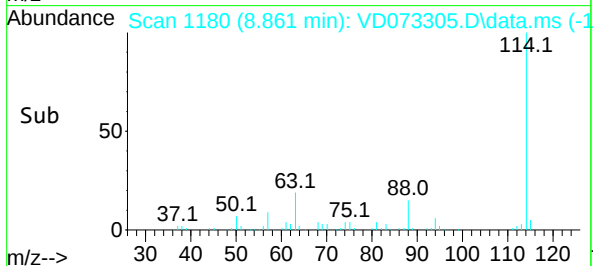
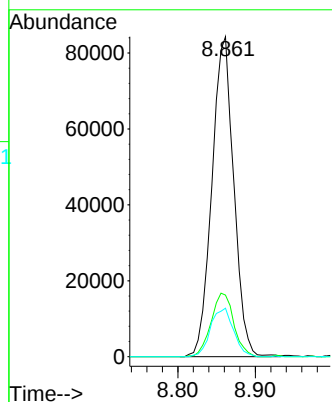
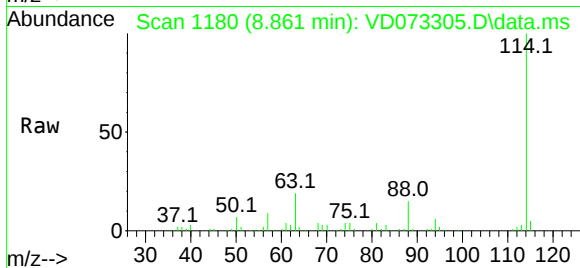
Tgt Ion:114 Resp: 165053

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 65.316 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073305.D

Acq: 24 May 2022 02:55

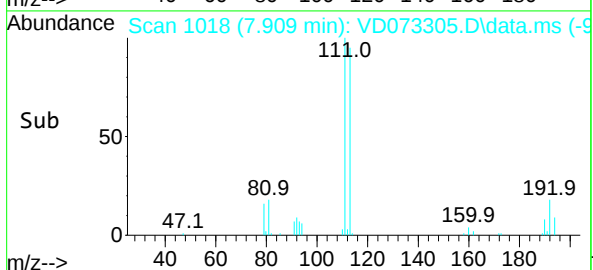
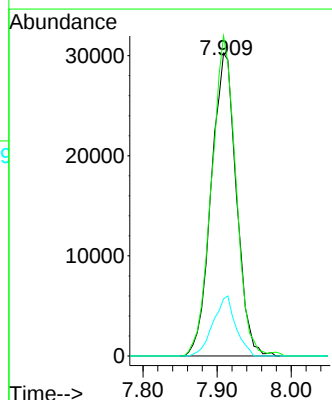
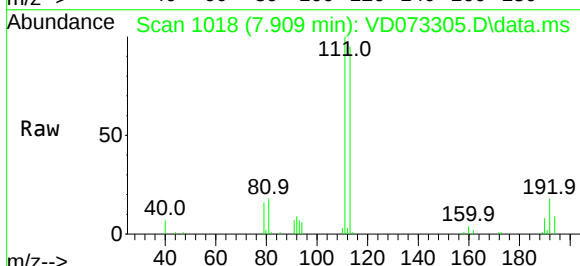
Tgt Ion:113 Resp: 71138

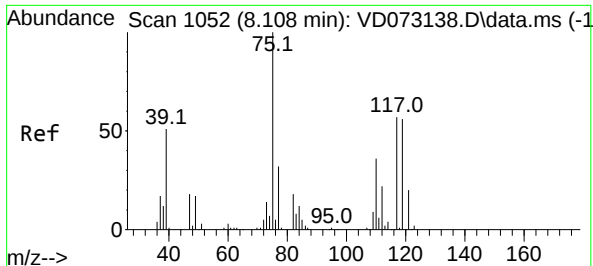
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.123 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073305.D

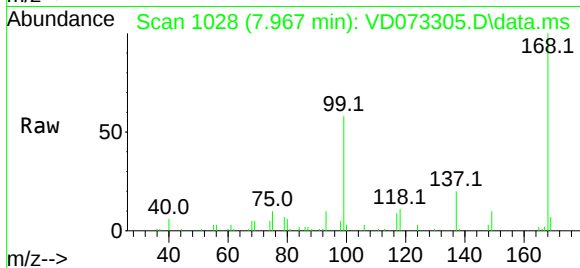
Acq: 24 May 2022 02:55

Instrument :

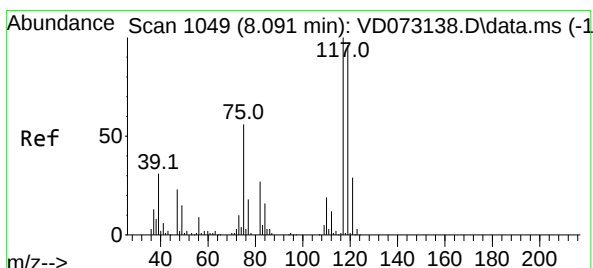
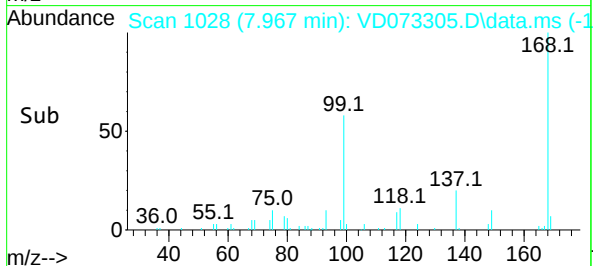
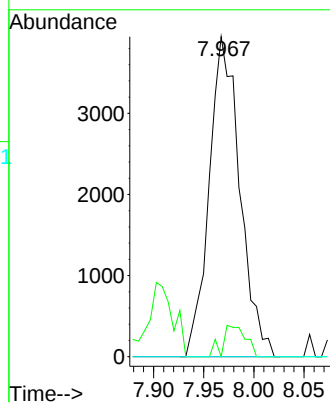
MSVOA_D

ClientSampleId :

P043-SS001-0612-02



Tgt Ion:	75	Resp:	8392
Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.936 ug/l

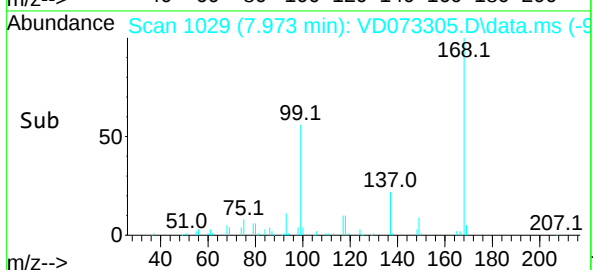
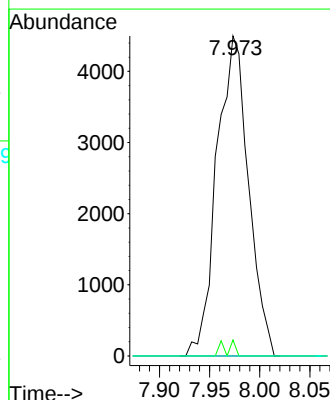
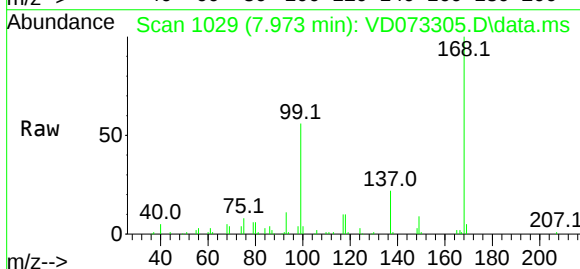
RT: 7.973 min Scan# 1029

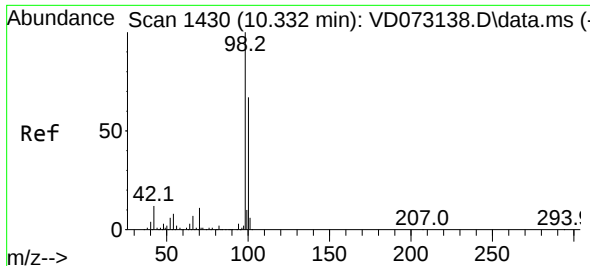
Delta R.T. -0.118 min

Lab File: VD073305.D

Acq: 24 May 2022 02:55

Tgt Ion:	117	Resp:	9857
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.6#
121	0.0	24.5	36.7#

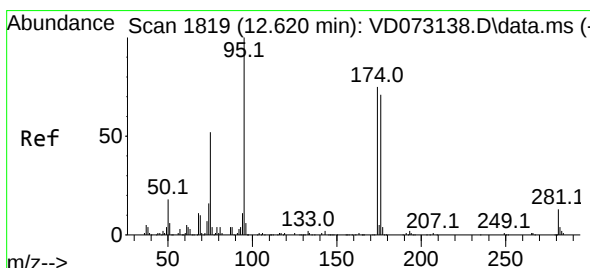
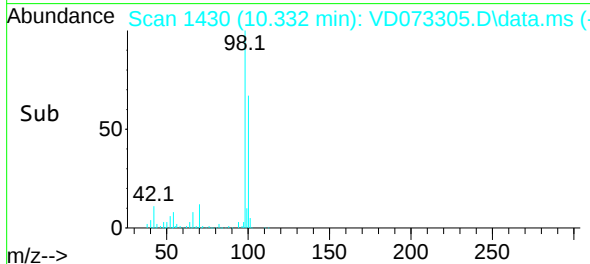
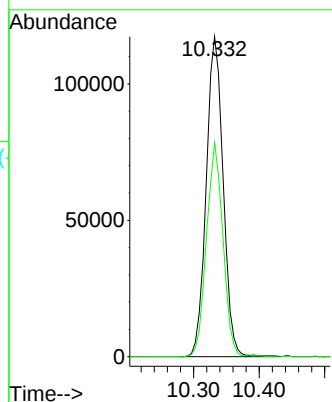
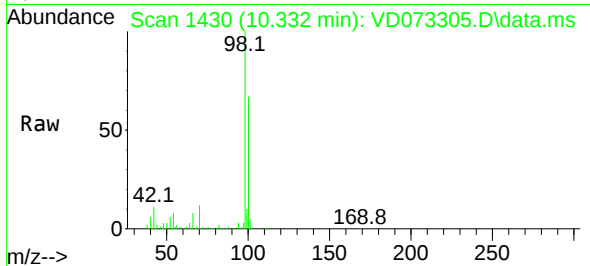




#50
Toluene-d8
Concen: 52.554 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

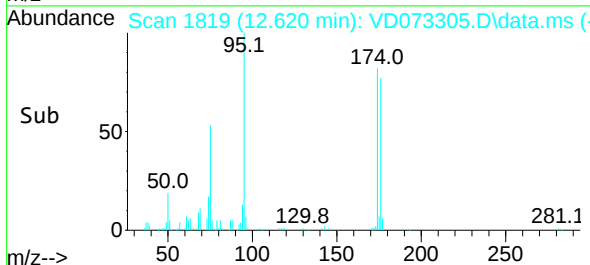
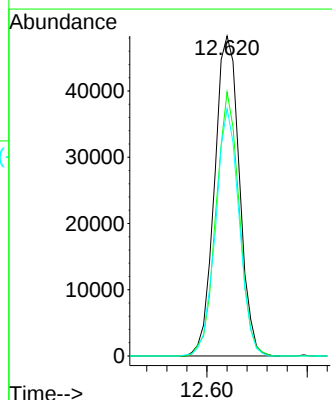
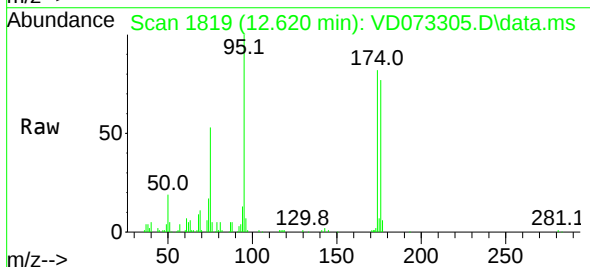
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

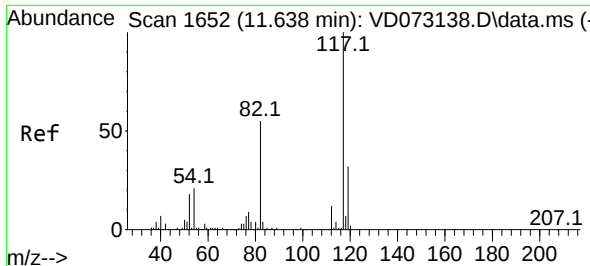
Tgt Ion: 98 Resp: 210995
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 58.826 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

Tgt Ion: 95 Resp: 82884
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 73.3 0.0 145.4

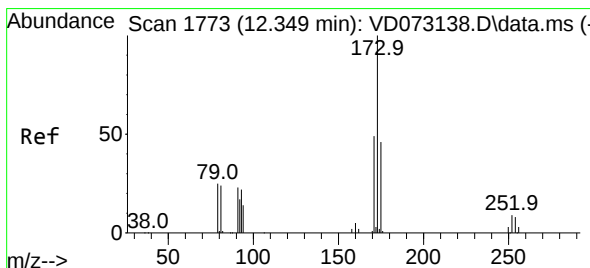
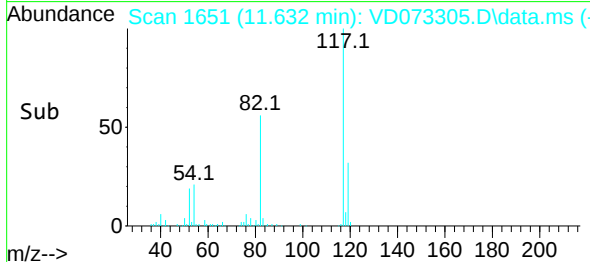
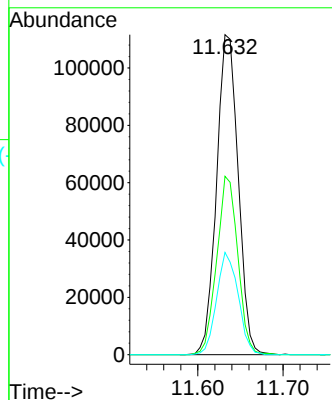
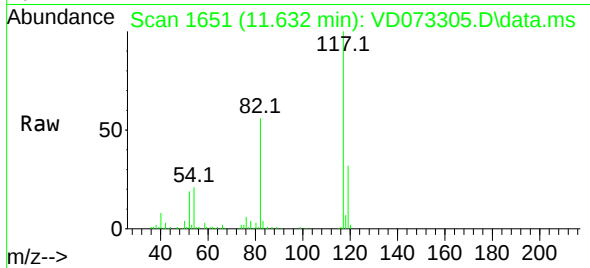




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

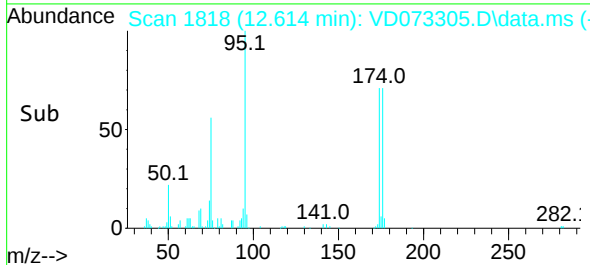
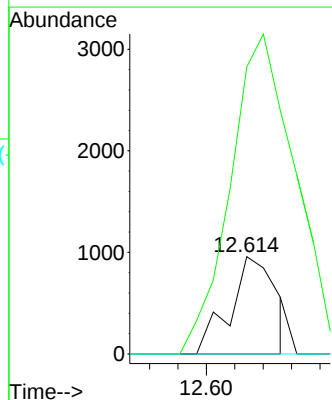
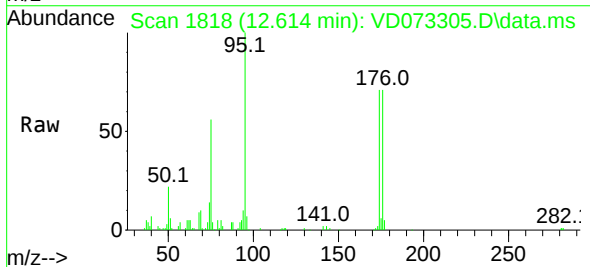
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

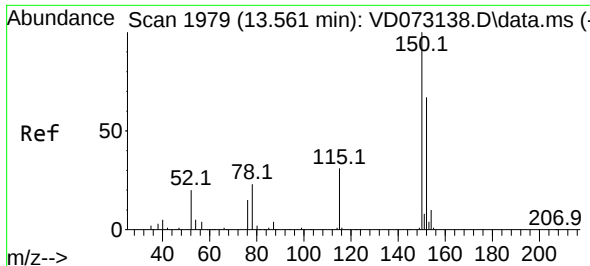
Tgt Ion:117 Resp: 196884
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 32.0 26.6 40.0



#71
Bromoform
Concen: 1.397 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073305.D
Acq: 24 May 2022 02:55

Tgt Ion:173 Resp: 1077
Ion Ratio Lower Upper
173 100
175 362.6 23.9 71.8#
254 0.0 0.0 0.0

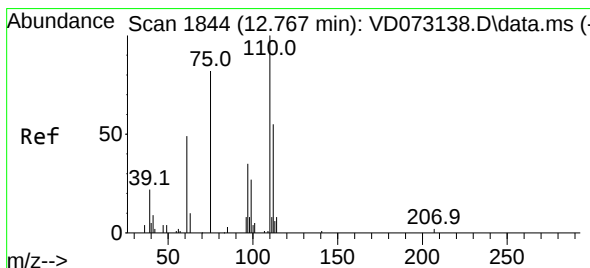
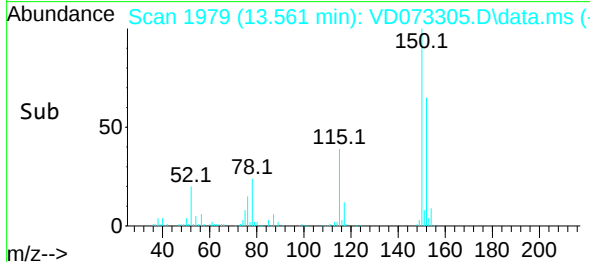
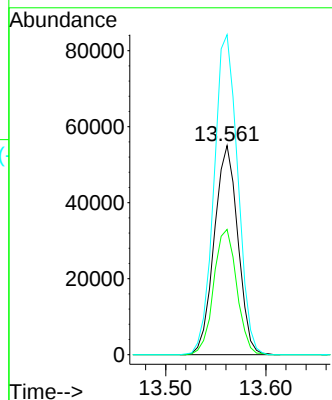
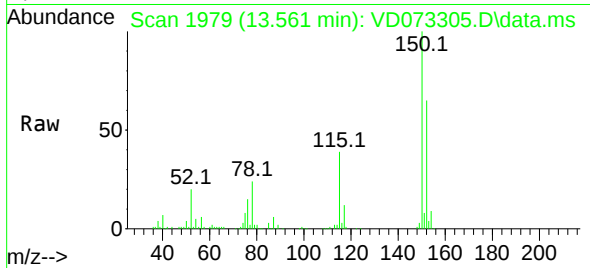




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073305.D
 Acq: 24 May 2022 02:55

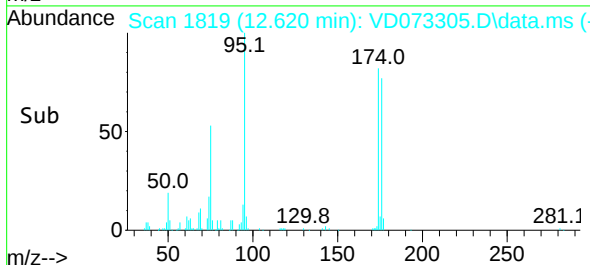
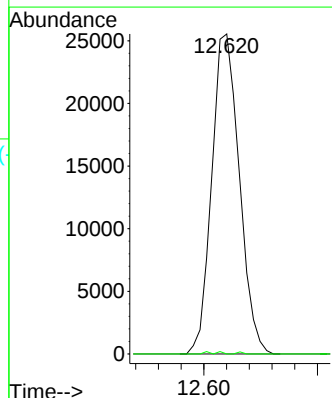
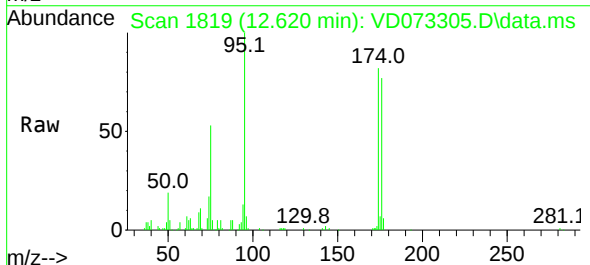
Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-0612-02

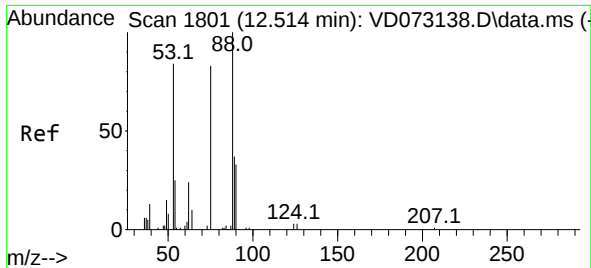
Tgt Ion:152 Resp: 90024
 Ion Ratio Lower Upper
 152 100
 115 58.5 31.3 93.8
 150 154.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.735 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073305.D
 Acq: 24 May 2022 02:55

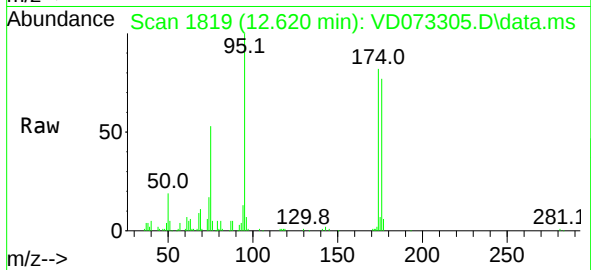
Tgt Ion: 75 Resp: 43047
 Ion Ratio Lower Upper
 75 100
 77 0.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.997 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073305.D
 Acq: 24 May 2022 02:55

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-0612-02



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

