

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073897.D
 Acq On : 21 Jul 2022 15:30
 Operator : VA/SY
 Sample : N3814-02
 Misc : 6.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-4(5-10)

Quant Time: Jul 22 01:19:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

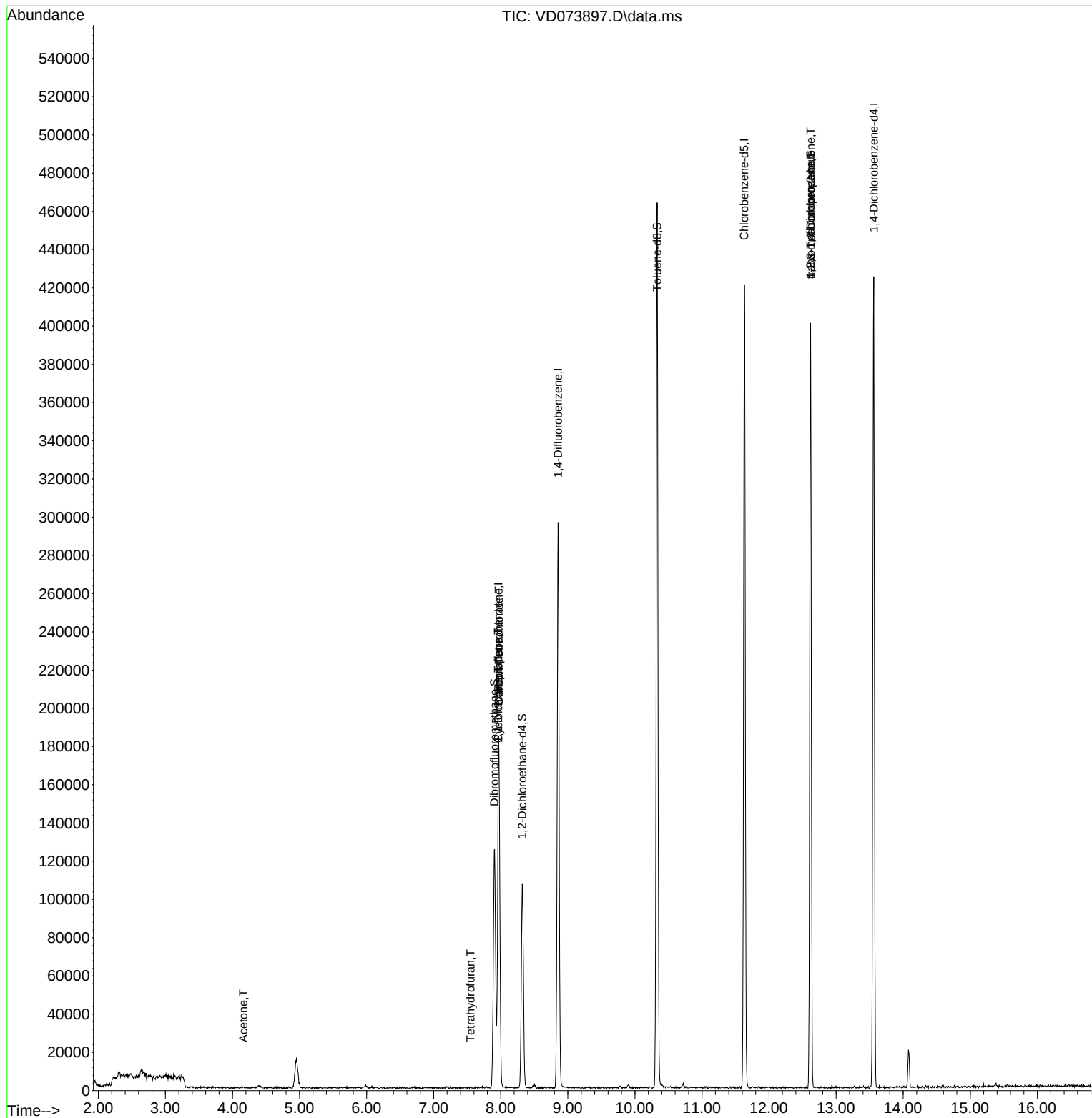
Internal Standards						
1) Pentafluorobenzene	7.967	168	131000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	247636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	237377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	110827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	83625	53.459	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.920%			
35) Dibromofluoromethane	7.902	113	86376	49.442	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.880%			
50) Toluene-d8	10.332	98	310894	49.021	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.040%			
62) 4-Bromofluorobenzene	12.620	95	107488	49.294	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.580%			
Target Compounds						
3) Chloromethane	2.209	50	710	Below Cal	#	72
11) Tert butyl alcohol	5.250	59	81	Below Cal	#	74
16) Acetone	4.161	43	418	1.628	ug/l #	47
18) Methyl Acetate	4.667	43	64	Below Cal	#	55
20) Methylene Chloride	4.961	84	11216	Below Cal	#	94
29) Tetrahydrofuran	7.550	42	275	1.245	ug/l #	55
31) Cyclohexane	7.961	56	3517	1.415	ug/l #	56
36) 1,1-Dichloropropene	7.961	75	10690	4.242	ug/l #	51
38) Carbon Tetrachloride	7.973	117	14384	4.997	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	61092	51.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	61092	138.633	ug/l #	7

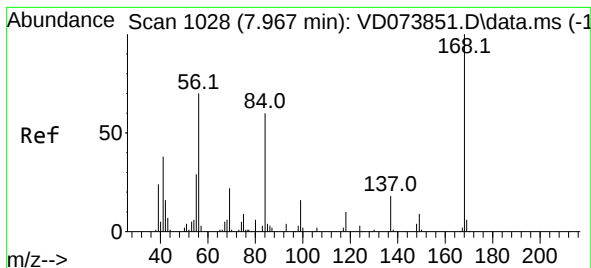
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ENV-DE-4(5-10)

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QLast Update : Wed Jul 20 15:29:08 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. 0.000 min

Lab File: VD073897.D

Acq: 21 Jul 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

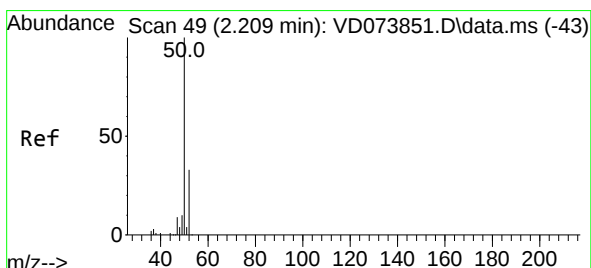
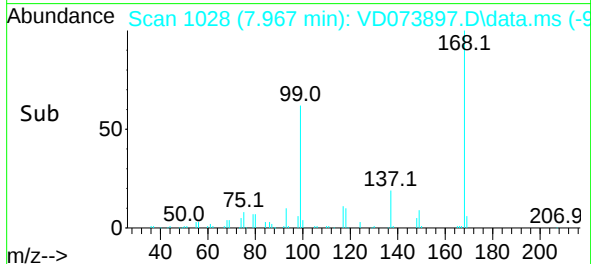
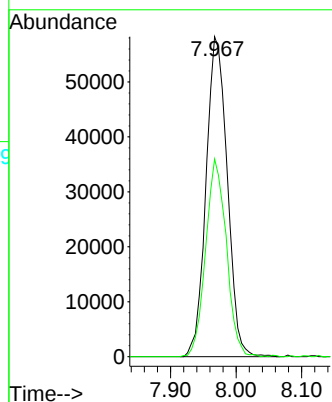
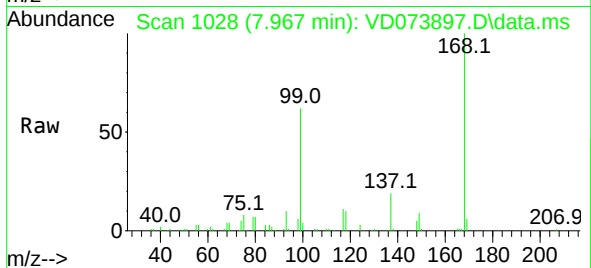
ENV-DE-4(5-10)

Tgt Ion:168 Resp: 131000

Ion Ratio Lower Upper

168 100

99 61.7 49.8 74.6



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD073897.D

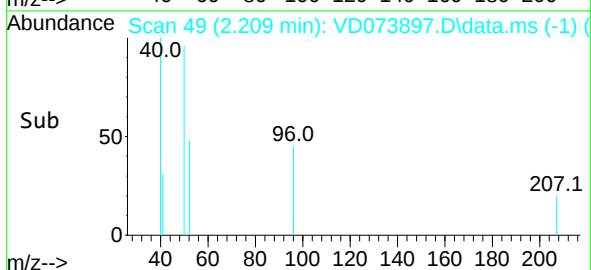
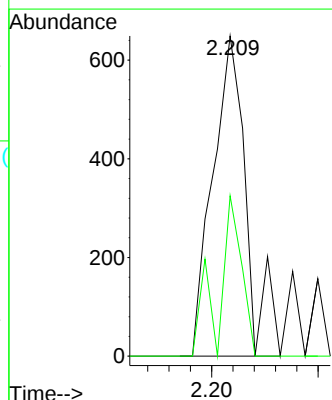
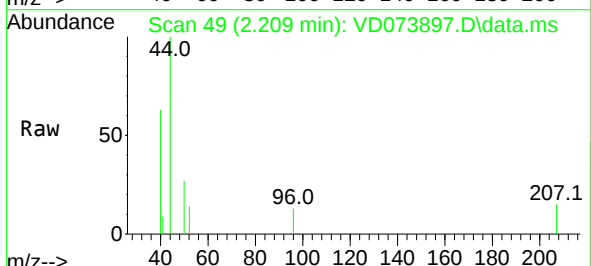
Acq: 21 Jul 2022 15:30

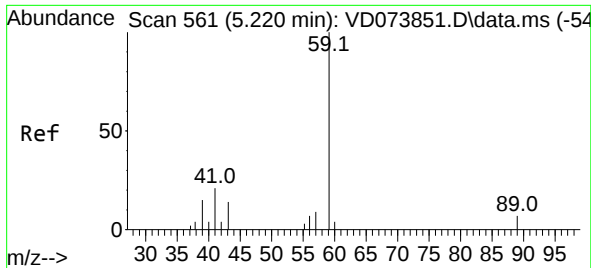
Tgt Ion: 50 Resp: 710

Ion Ratio Lower Upper

50 100

52 50.1 27.4 41.0#

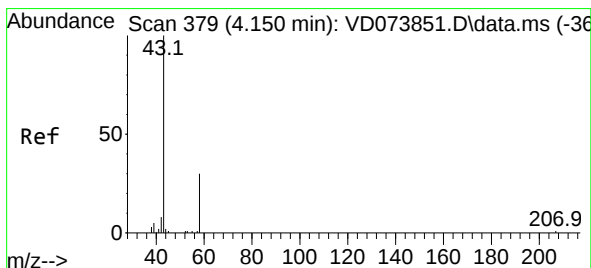
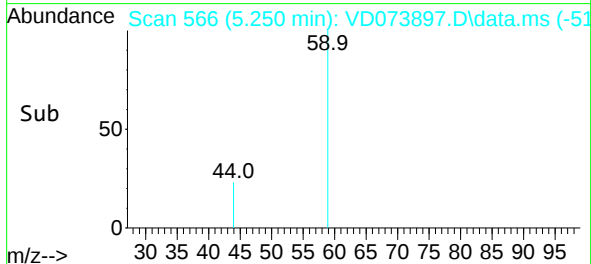
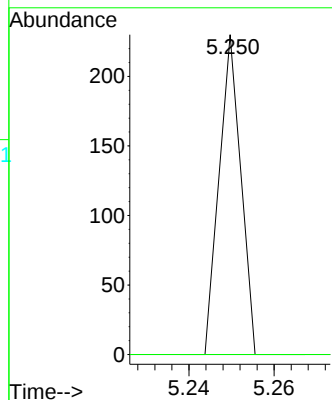
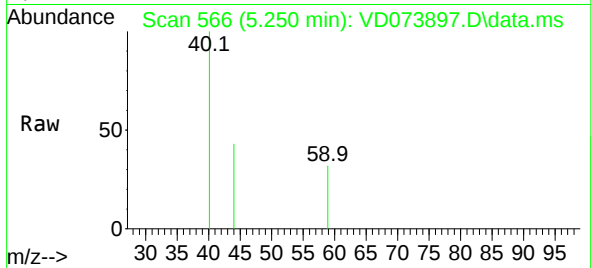




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.250 min Scan# 501
Delta R.T. 0.030 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

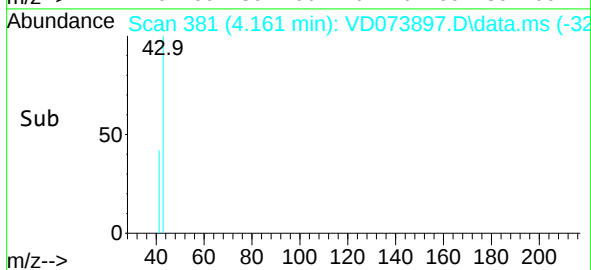
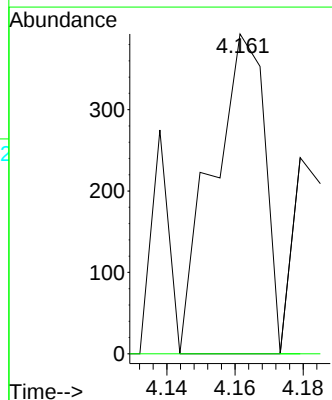
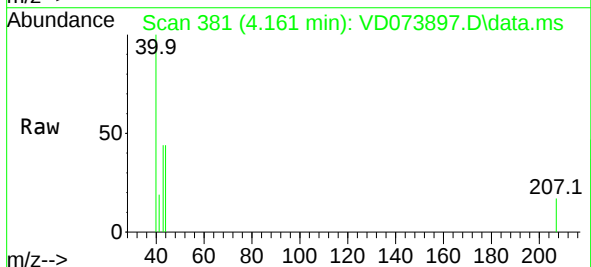
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(5-10)

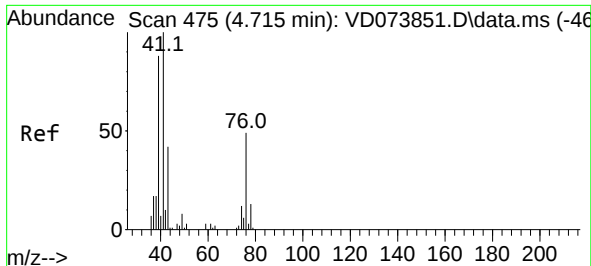
Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.628 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

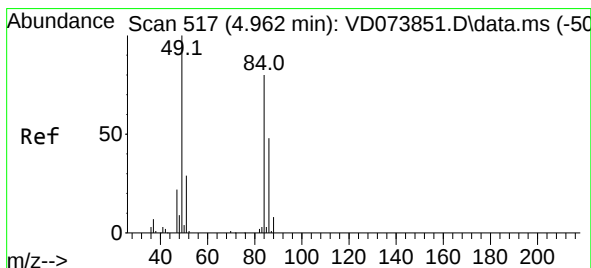
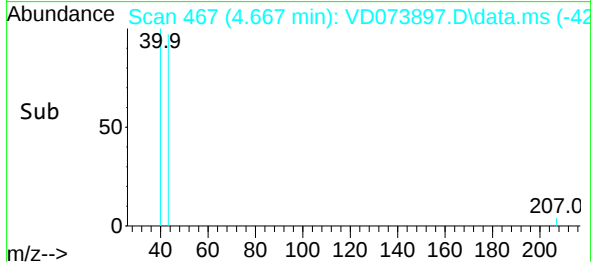
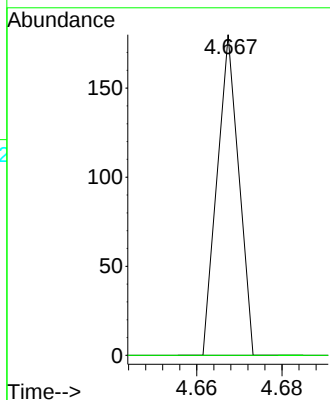
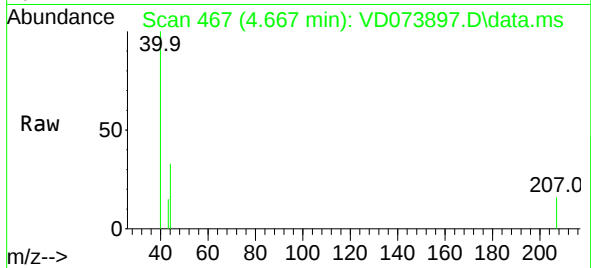




#18
Methyl Acetate
Concen: Below Cal
RT: 4.667 min Scan# 418
Delta R.T. -0.048 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

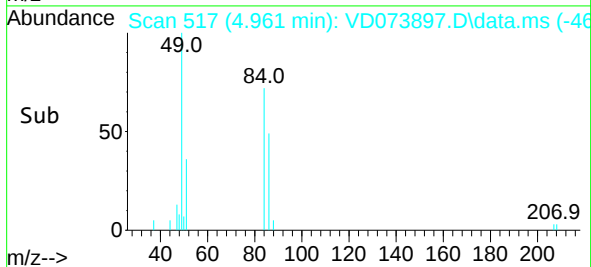
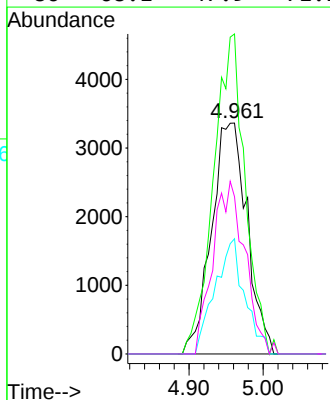
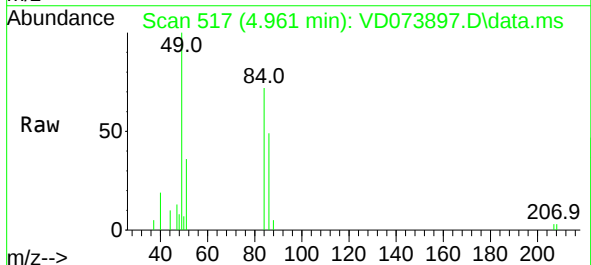
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(5-10)

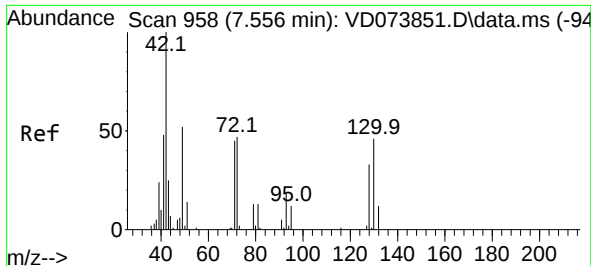
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

Tgt Ion: 84 Resp: 11216
Ion Ratio Lower Upper
84 100
49 138.6 112.8 169.2
51 49.9 32.6 48.8#
86 68.1 47.9 71.9





#29

Tetrahydrofuran

Concen: 1.245 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD073897.D

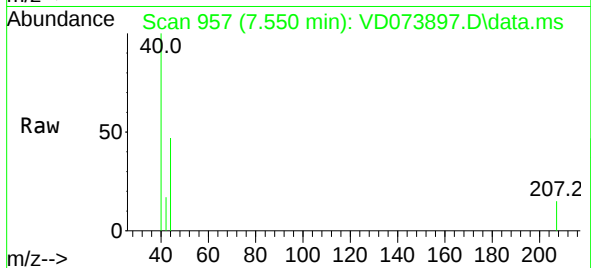
Acq: 21 Jul 2022 15:30

Instrument :

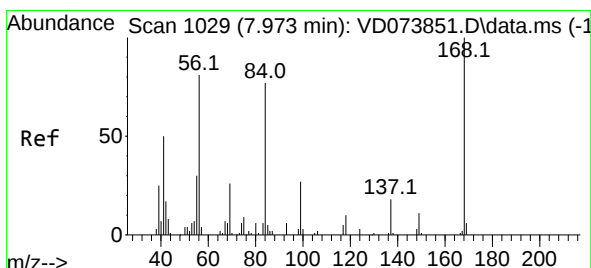
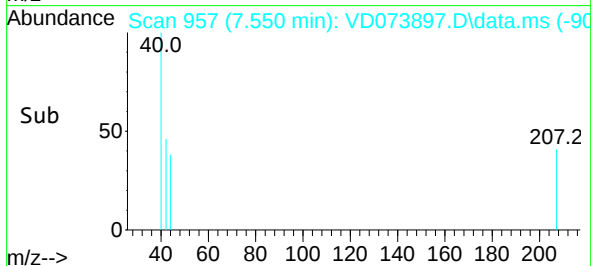
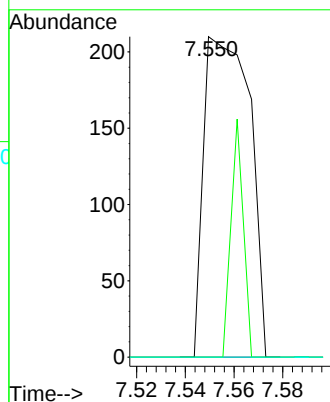
MSVOA_D

ClientSampleId :

ENV-DE-4(5-10)



Tgt Ion:	42	Resp:	275
Ion Ratio	Lower	Upper	
42	100		
72	20.0	30.7	46.1#
71	0.0	28.6	43.0#



#31

Cyclohexane

Concen: 1.415 ug/l

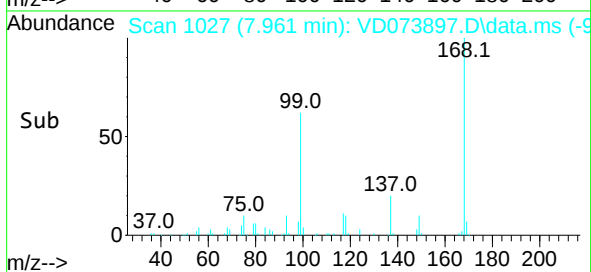
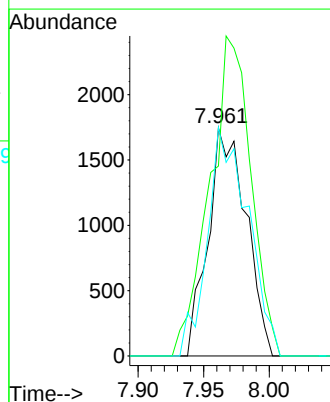
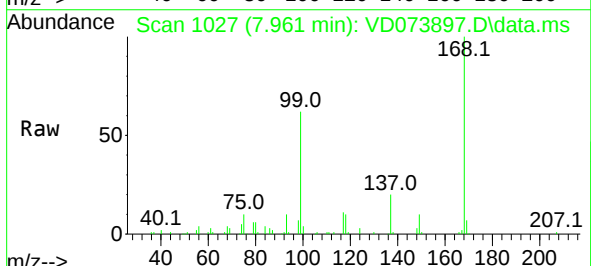
RT: 7.961 min Scan# 1027

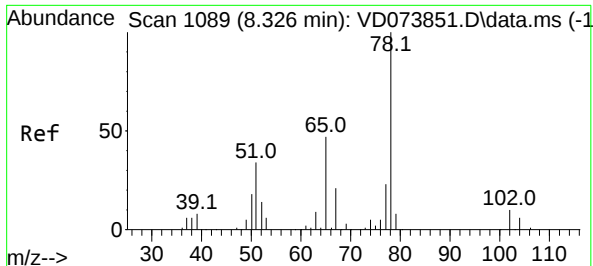
Delta R.T. -0.012 min

Lab File: VD073897.D

Acq: 21 Jul 2022 15:30

Tgt Ion:	56	Resp:	3517
Ion Ratio	Lower	Upper	
56	100		
69	83.3	25.4	38.2#
84	100.2	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 53.459 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073897.D

Acq: 21 Jul 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

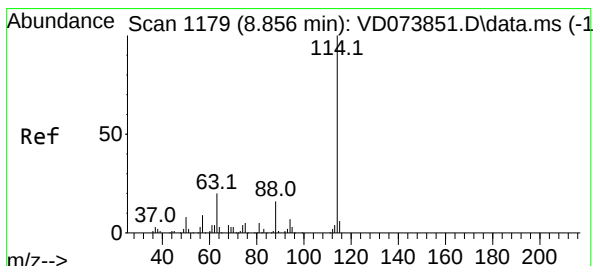
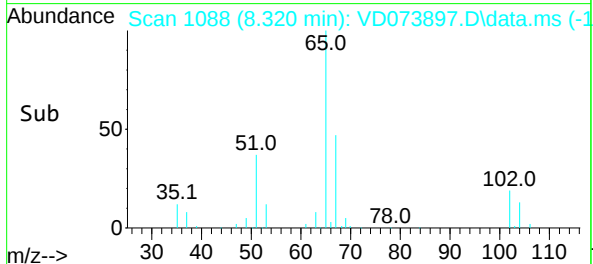
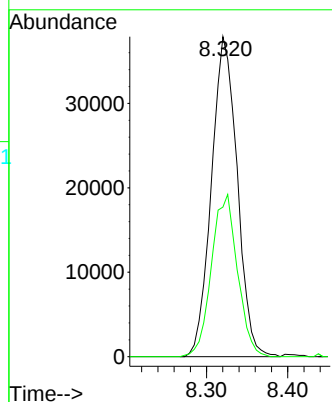
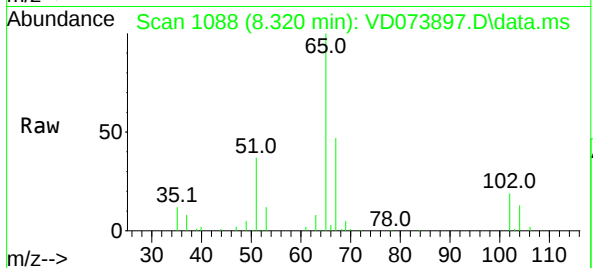
ENV-DE-4(5-10)

Tgt Ion: 65 Resp: 83625

Ion Ratio Lower Upper

65 100

67 51.1 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: VD073897.D

Acq: 21 Jul 2022 15:30

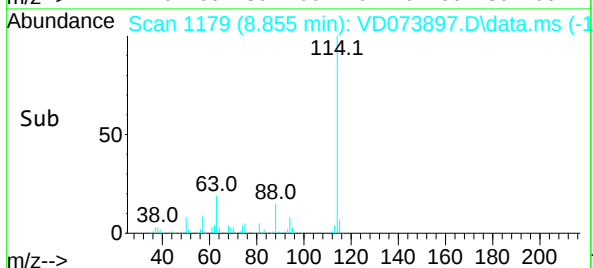
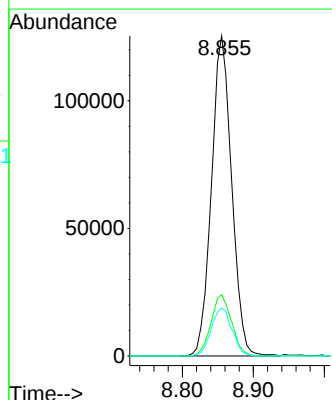
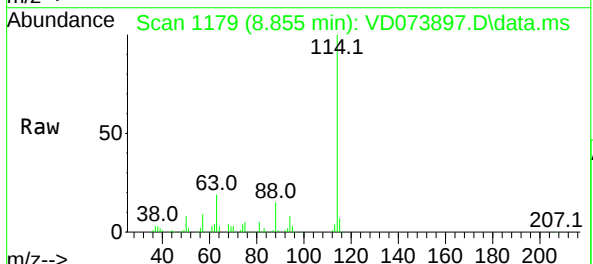
Tgt Ion: 114 Resp: 247636

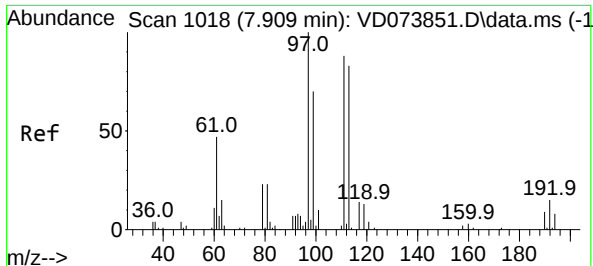
Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.442 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073897.D

Acq: 21 Jul 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-4(5-10)

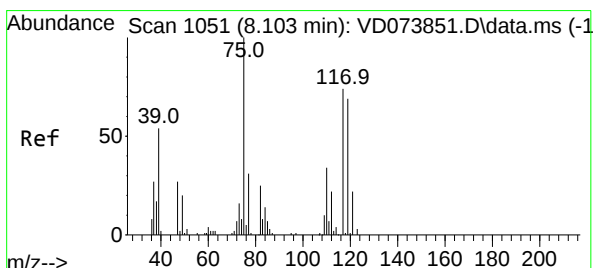
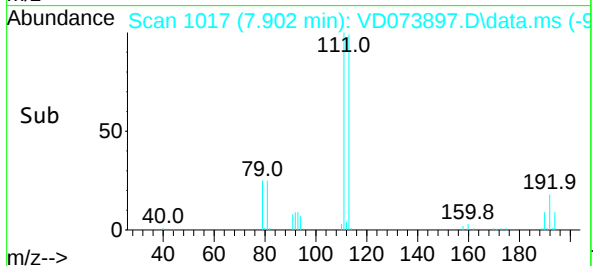
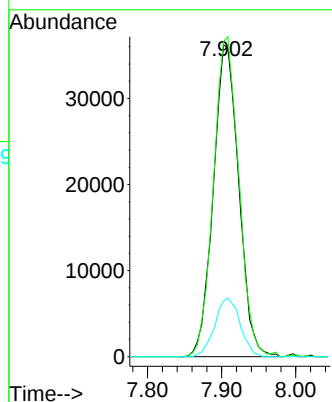
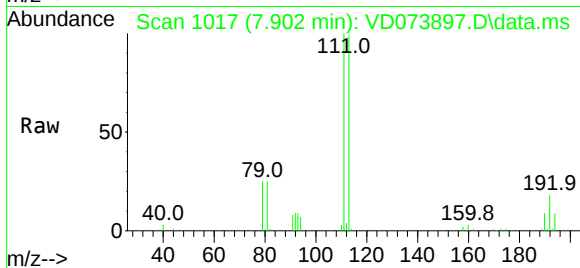
Tgt Ion:113 Resp: 86376

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.242 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.141 min

Lab File: VD073897.D

Acq: 21 Jul 2022 15:30

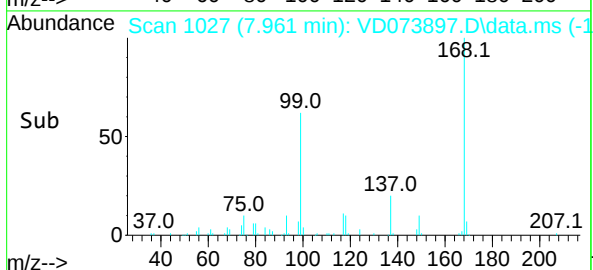
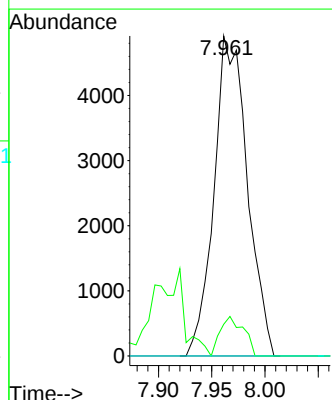
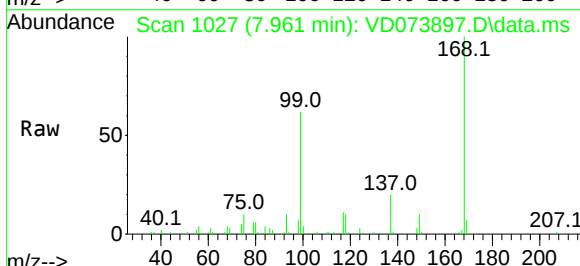
Tgt Ion: 75 Resp: 10690

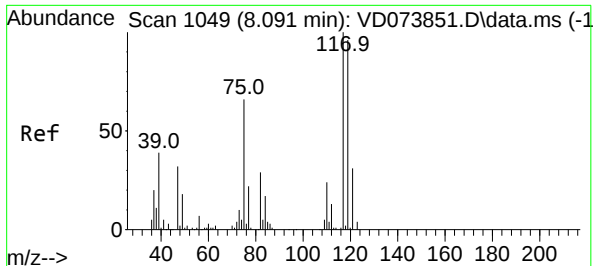
Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#

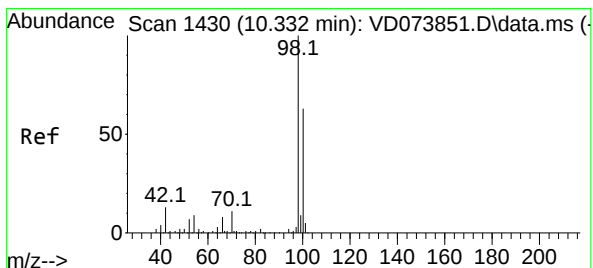
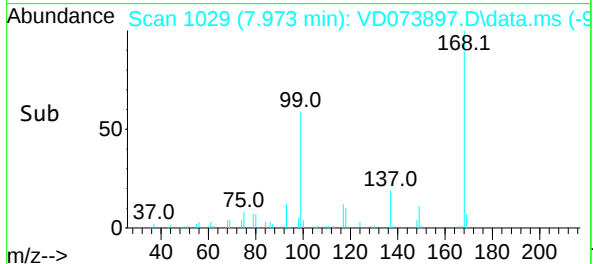
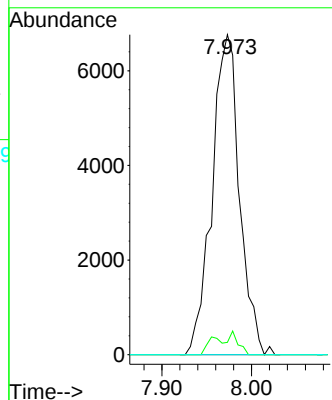
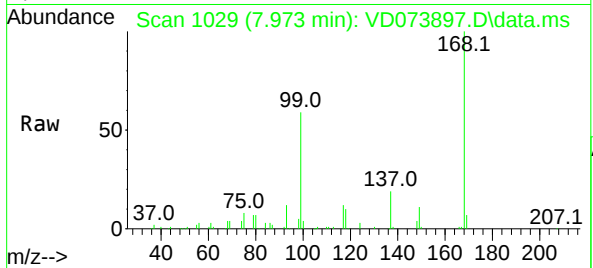




#38
Carbon Tetrachloride
Concen: 4.997 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

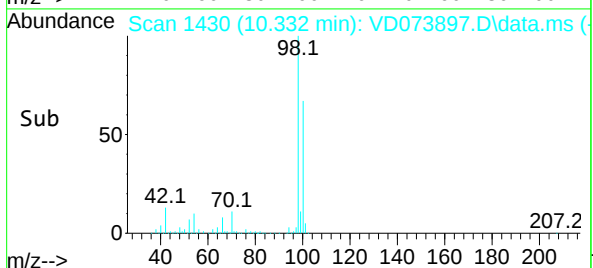
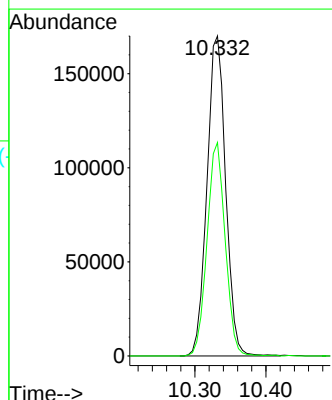
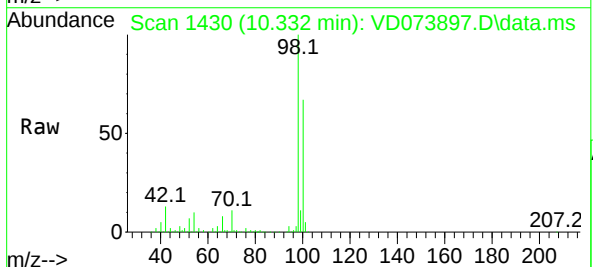
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(5-10)

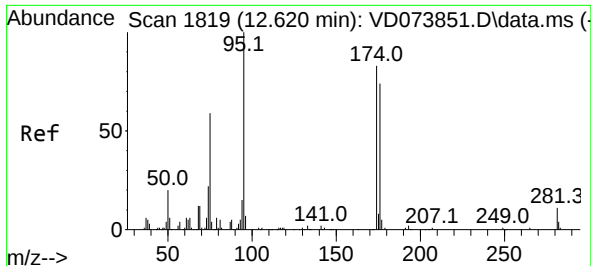
Tgt Ion:117 Resp: 14384
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.021 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

Tgt Ion: 98 Resp: 310894
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6

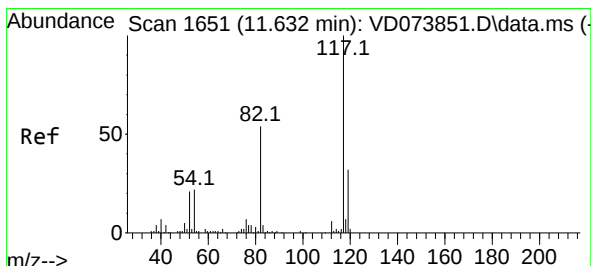
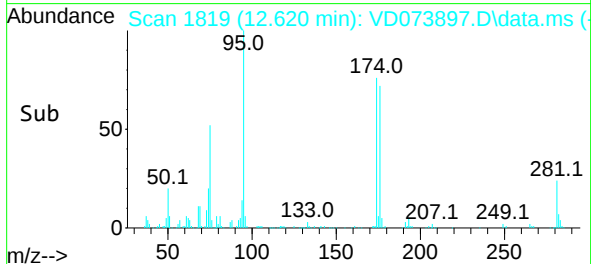
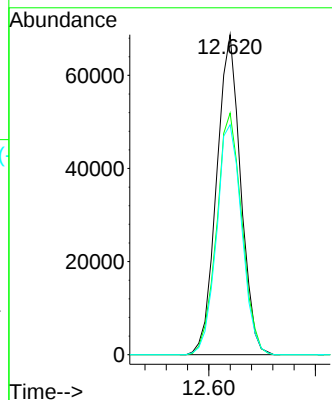
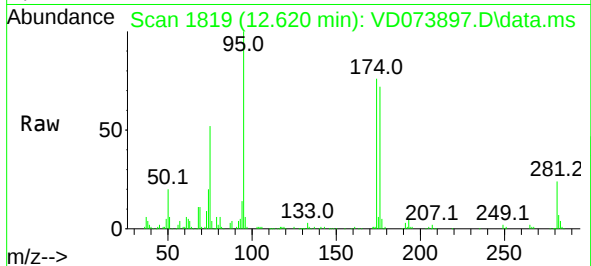




#62
4-Bromofluorobenzene
Concen: 49.294 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

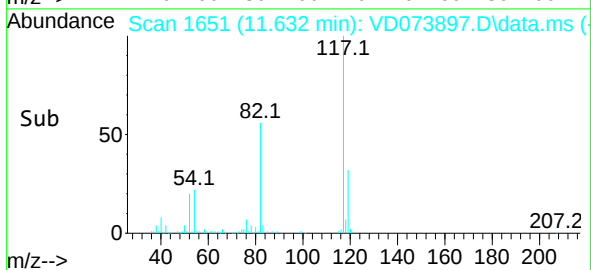
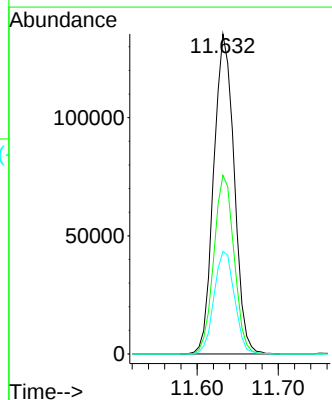
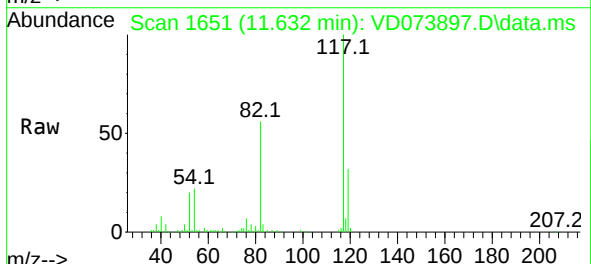
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(5-10)

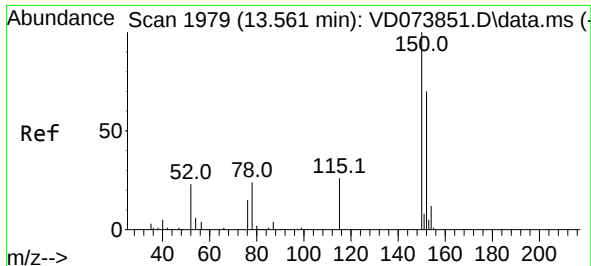
Tgt Ion: 95 Resp: 107488
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.8
176 75.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073897.D
Acq: 21 Jul 2022 15:30

Tgt Ion: 117 Resp: 237377
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 32.0 26.6 40.0

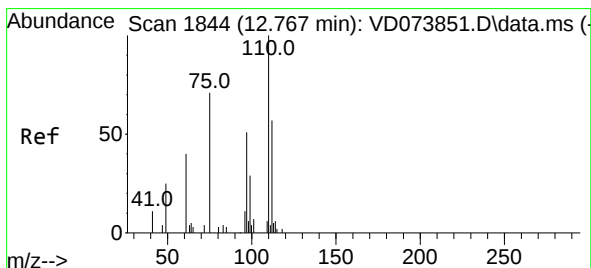
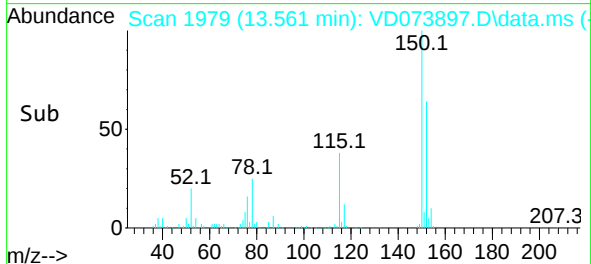
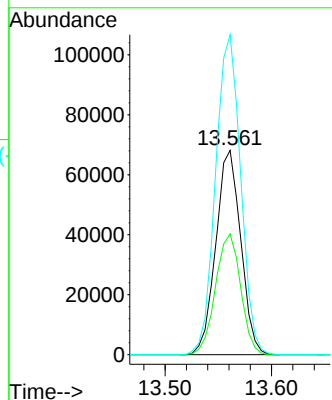
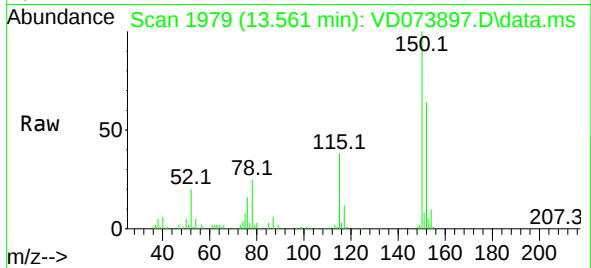




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073897.D
 Acq: 21 Jul 2022 15:30

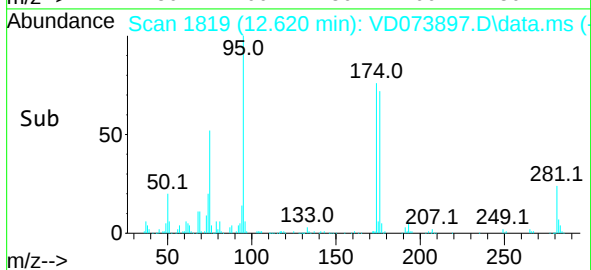
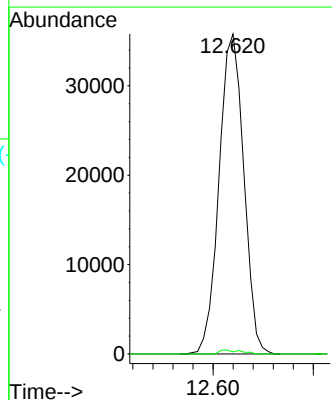
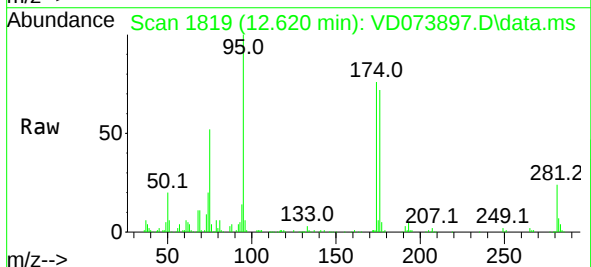
Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-4(5-10)

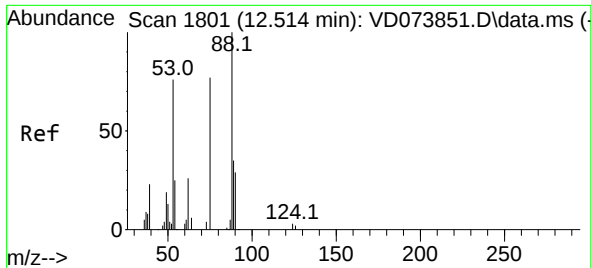
Tgt Ion:152 Resp: 110827
 Ion Ratio Lower Upper
 152 100
 115 59.4 31.3 93.8
 150 157.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 51.376 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073897.D
 Acq: 21 Jul 2022 15:30

Tgt Ion: 75 Resp: 61092
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.633 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073897.D
 Acq: 21 Jul 2022 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-4(5-10)

Tgt Ion: 75 Resp: 61092
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#

