

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073926.D
 Acq On : 02 Aug 2022 14:57
 Operator : VA/SY
 Sample : N3996-04
 Misc : 5.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CD

Quant Time: Aug 03 04:12:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

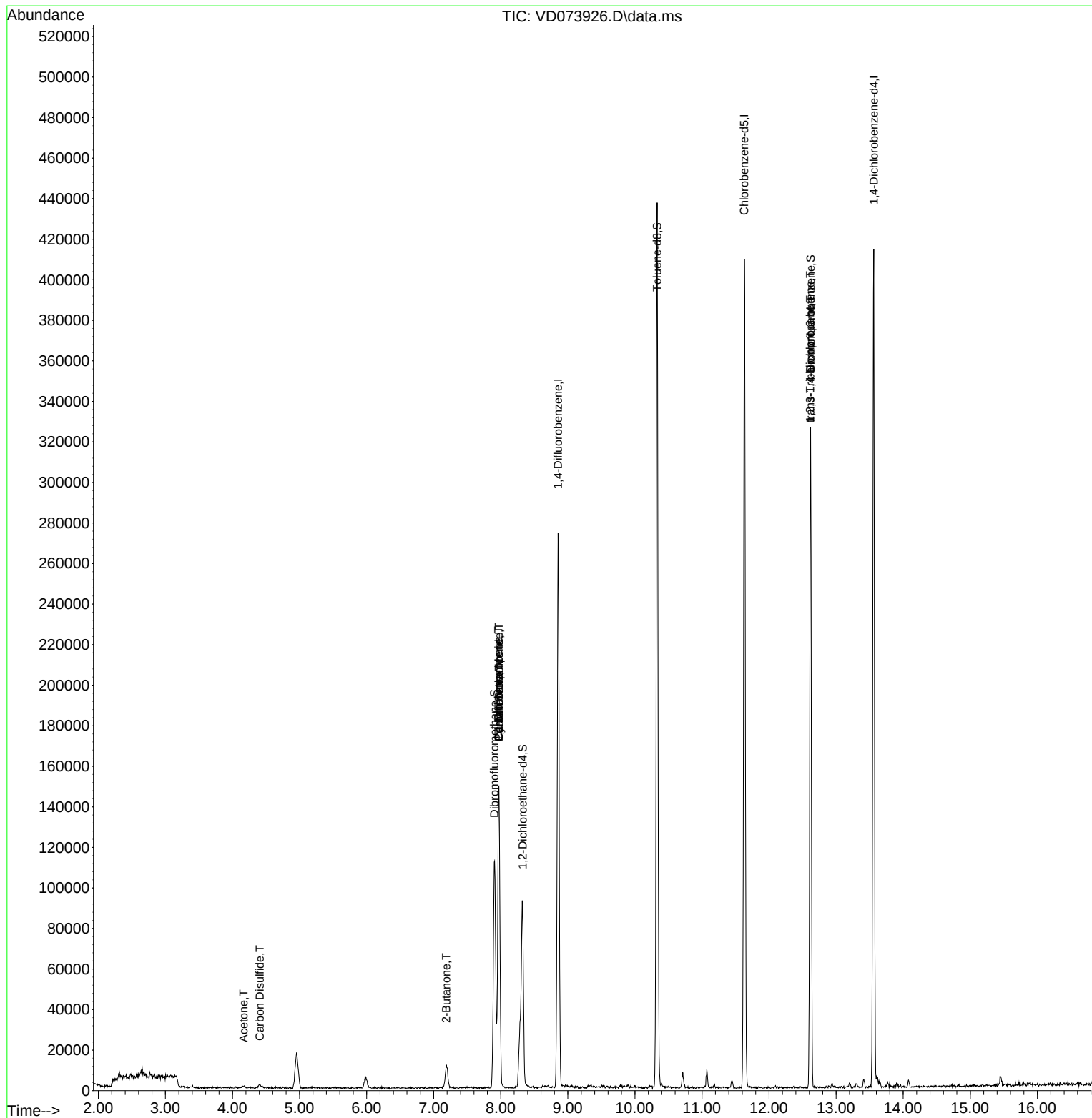
Internal Standards						
1) Pentafluorobenzene	7.973	168	109740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	229067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	234425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	106634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	67911	77.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.560%	
35) Dibromofluoromethane	7.903	113	82230	57.777	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.560%	
50) Toluene-d8	10.332	98	290402	60.575	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.140%	
62) 4-Bromofluorobenzene	12.620	95	99897	56.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	578	Below Cal	#	43
11) Tert butyl alcohol	5.203	59	135	Below Cal	#	75
16) Acetone	4.167	43	1698	16.839	ug/l #	46
17) Carbon Disulfide	4.409	76	2947	2.721	ug/l #	78
18) Methyl Acetate	4.709	43	56	Below Cal	#	48
20) Methylene Chloride	4.962	84	13648	Below Cal	#	88
25) 2-Butanone	7.185	43	496	1.852	ug/l #	46
31) Cyclohexane	7.973	56	3273	1.926	ug/l #	53
36) 1,1-Dichloropropene	7.967	75	9404	4.639	ug/l #	49
38) Carbon Tetrachloride	7.973	117	12007	5.288	ug/l #	15
76) 1,2,3-Trichloropropane	12.614	75	55197	69.823	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	55197	148.506	ug/l #	13

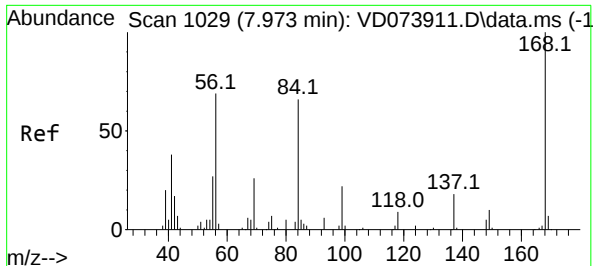
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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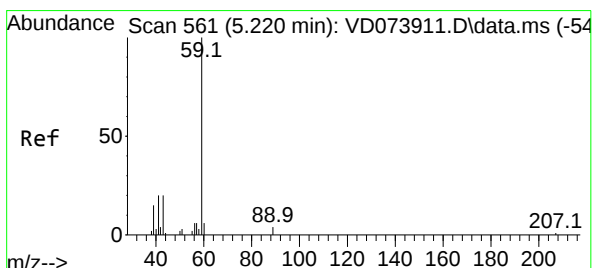
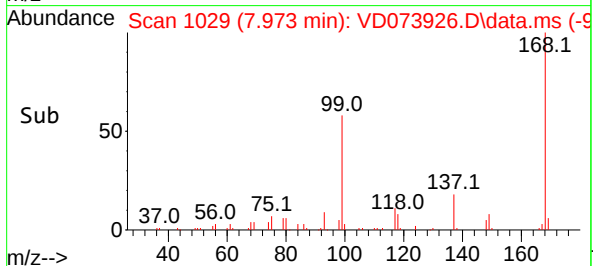
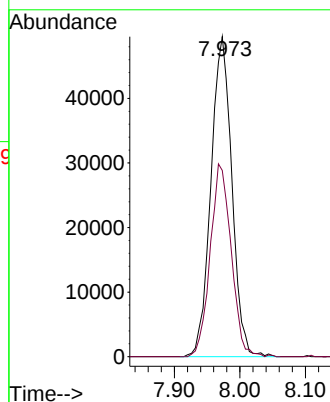
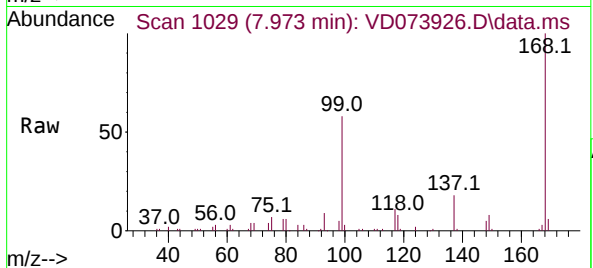




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

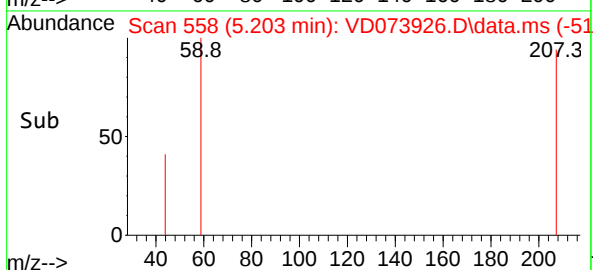
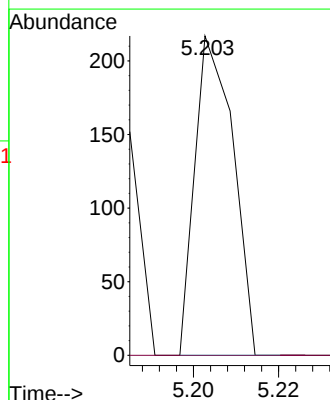
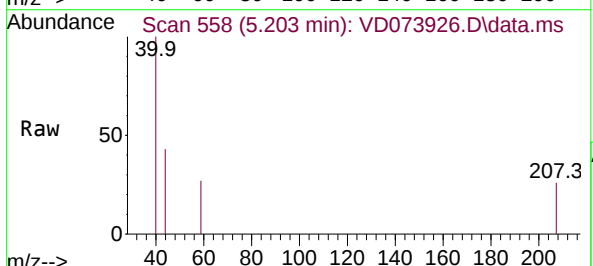
Instrument :
MSVOA_D
ClientSampleId :
MH-CD

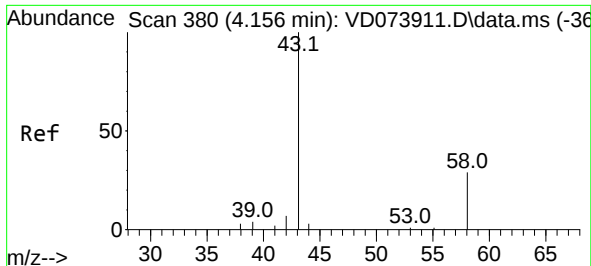
Tgt Ion:168 Resp: 109740
Ion Ratio Lower Upper
168 100
99 58.2 52.2 78.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 16.839 ug/l

RT: 4.167 min Scan# 380

Delta R.T. 0.011 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

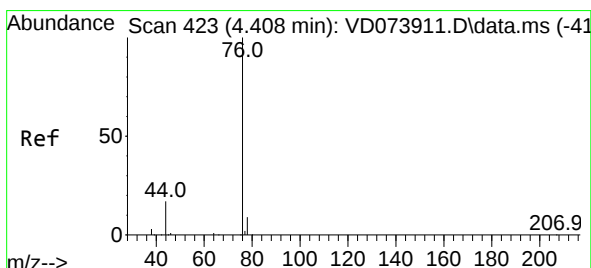
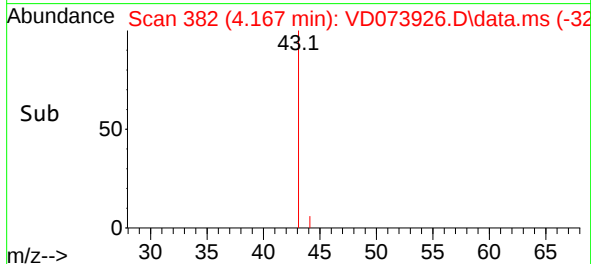
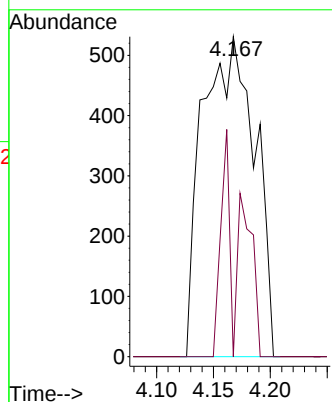
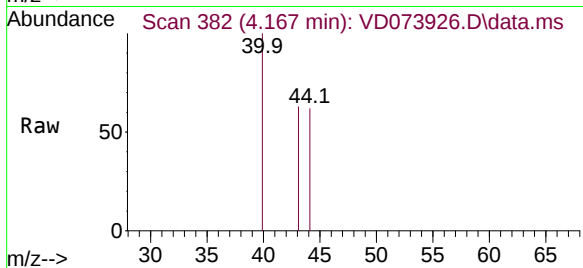
MH-CD

Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#17

Carbon Disulfide

Concen: 2.721 ug/l

RT: 4.409 min Scan# 423

Delta R.T. 0.001 min

Lab File: VD073926.D

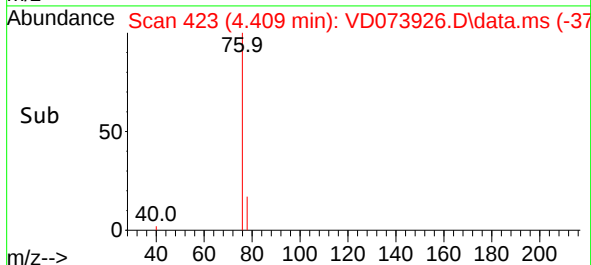
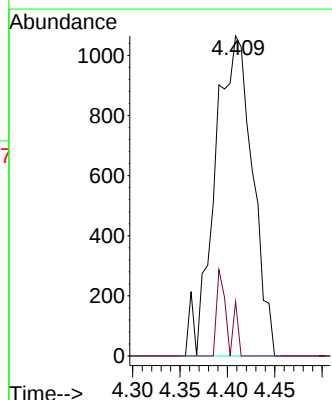
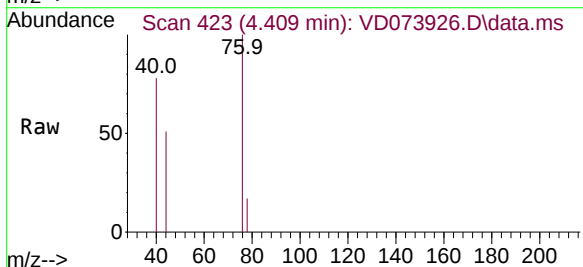
Acq: 02 Aug 2022 14:57

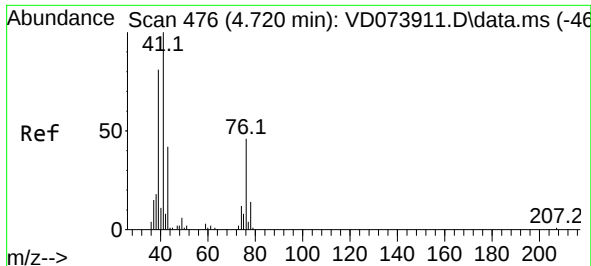
Tgt Ion: 76 Resp: 2947

Ion Ratio Lower Upper

76 100

78 17.0 7.3 10.9#

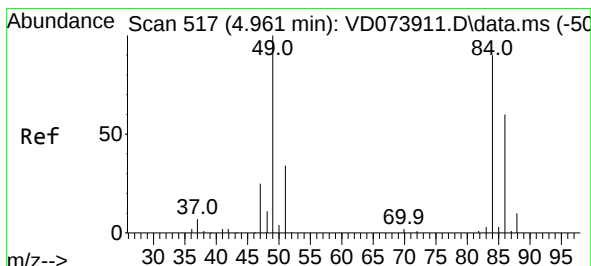
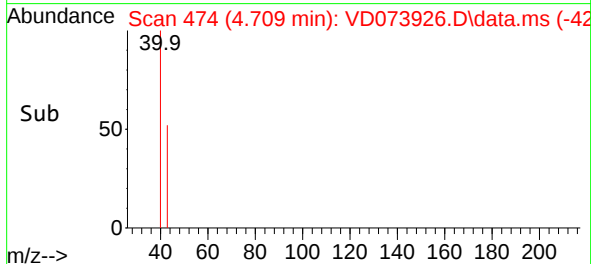
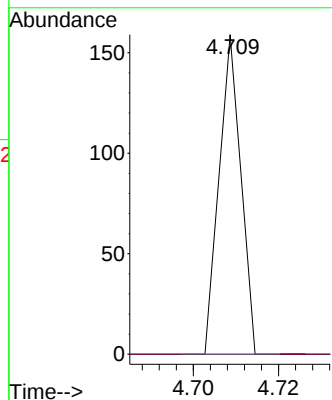
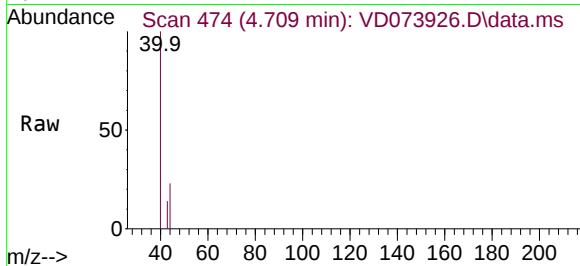




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

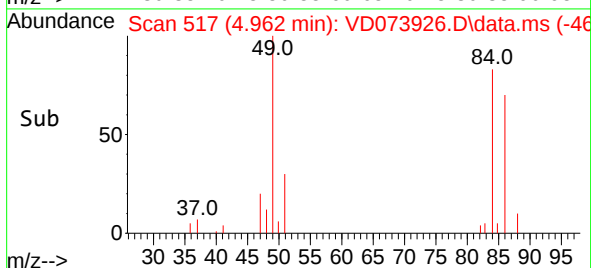
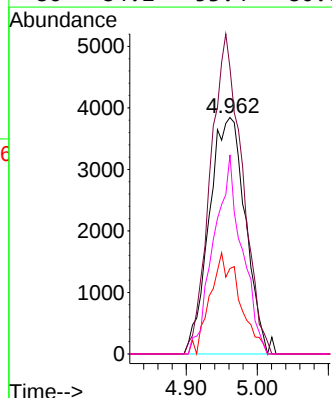
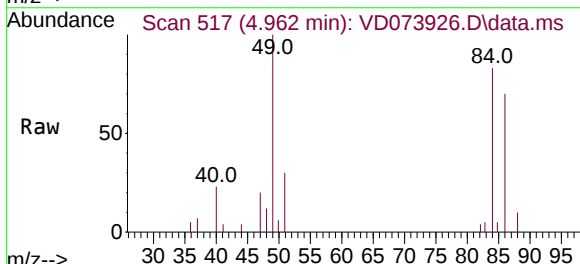
Instrument :
MSVOA_D
ClientSampleId :
MH-CD

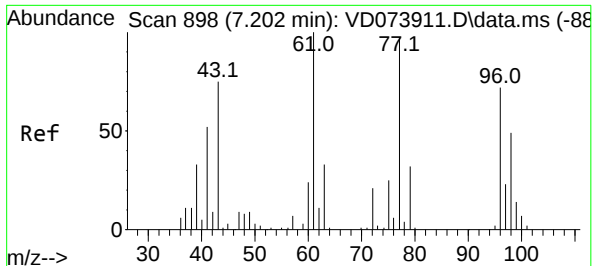
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

Tgt Ion: 84 Resp: 13648
Ion Ratio Lower Upper
84 100
49 121.0 89.1 133.7
51 36.1 29.8 44.8
86 84.2 53.4 80.0#





#25

2-Butanone

Concen: 1.852 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.017 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

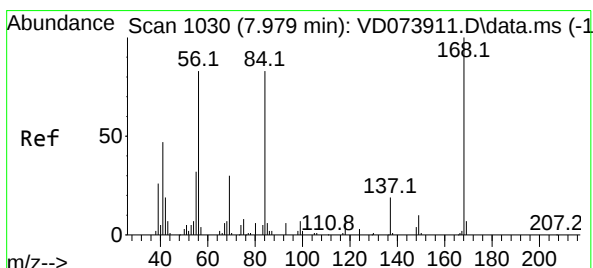
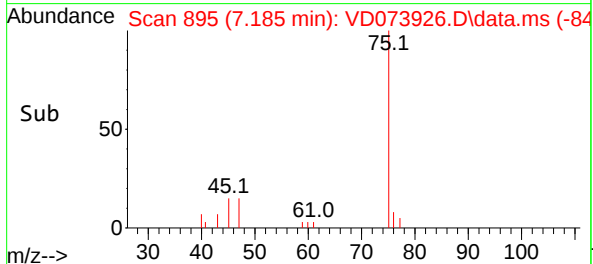
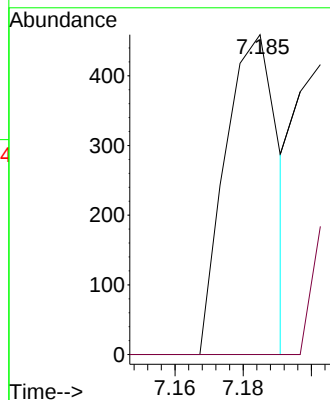
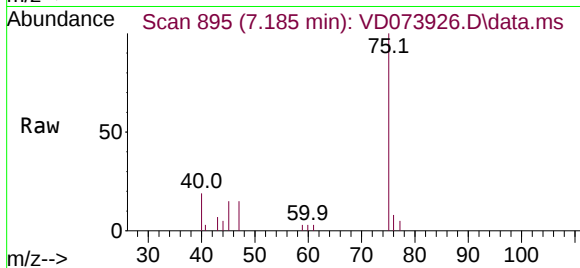
MH-CD

Tgt Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#



#31

Cyclohexane

Concen: 1.926 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

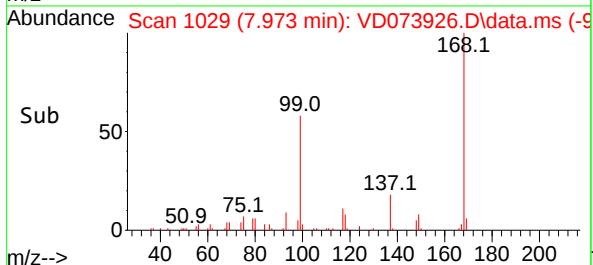
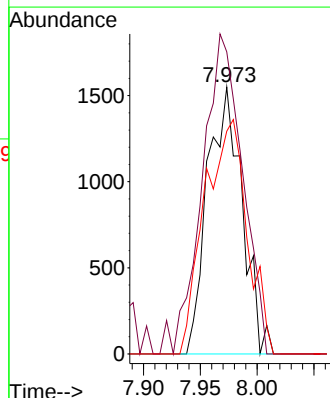
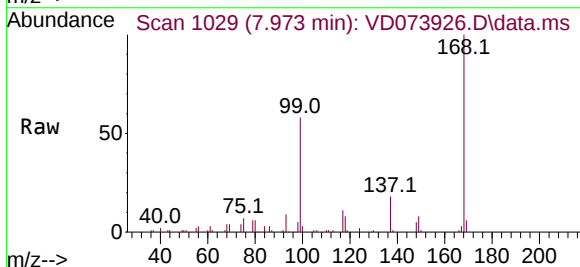
Tgt Ion: 56 Resp: 3273

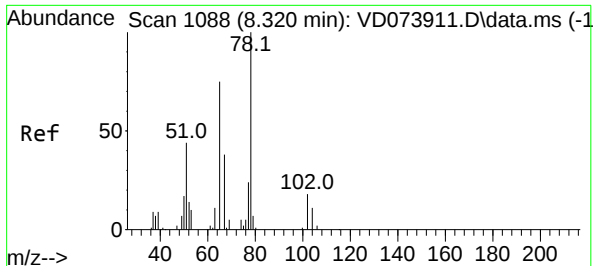
Ion Ratio Lower Upper

56 100

69 113.2 29.2 43.8#

84 83.4 80.0 120.0





#33

1,2-Dichloroethane-d4

Concen: 77.779 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

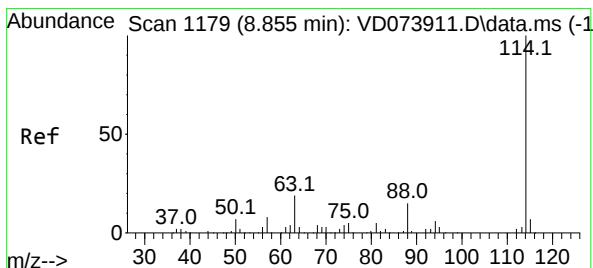
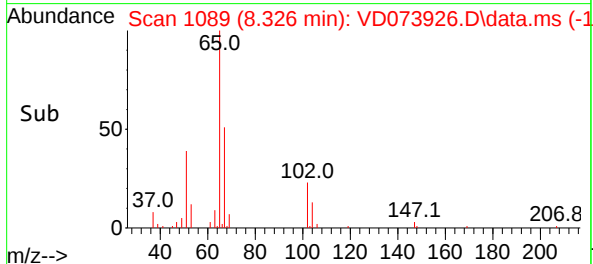
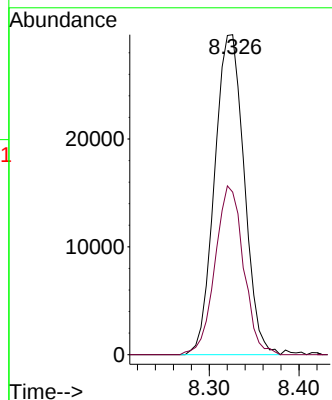
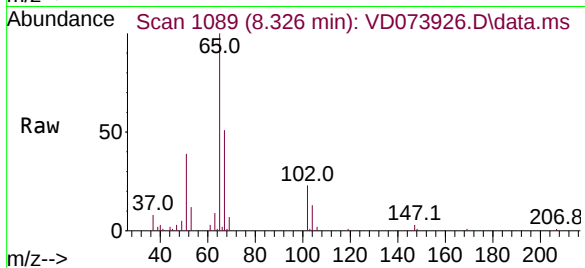
MH-CD

Tgt Ion: 65 Resp: 67911

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

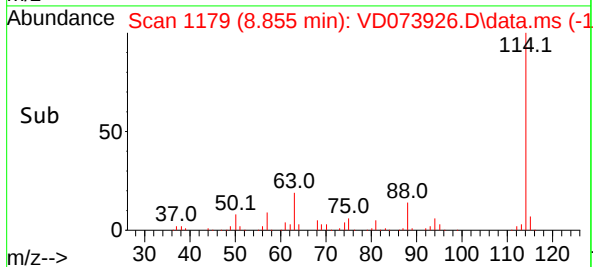
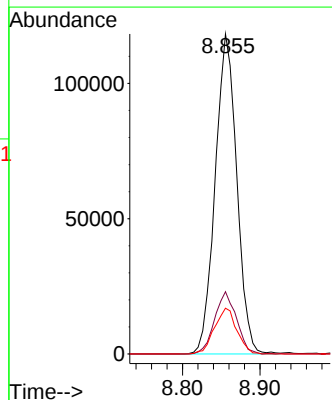
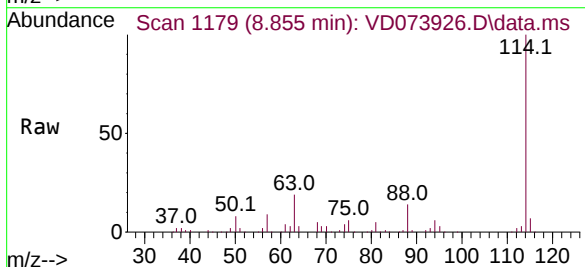
Tgt Ion: 114 Resp: 229067

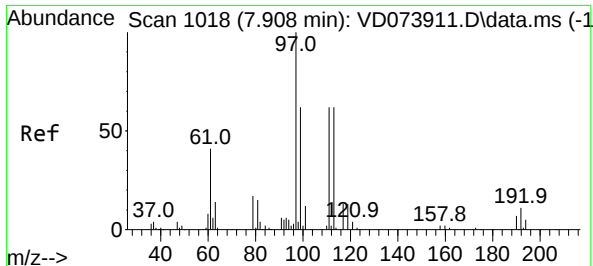
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.6

88 14.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 57.777 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

MH-CD

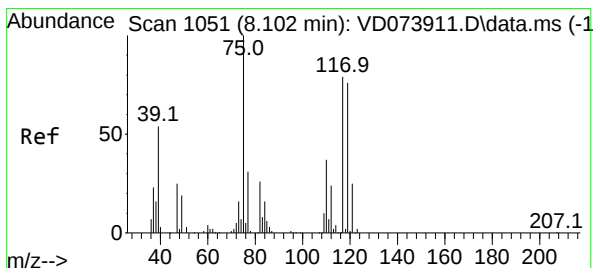
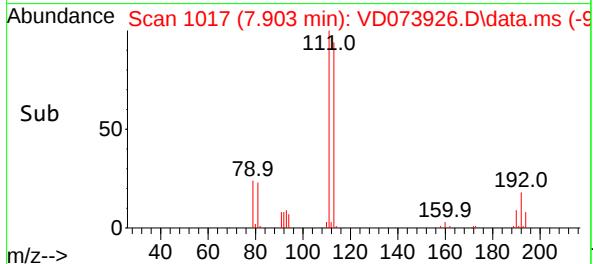
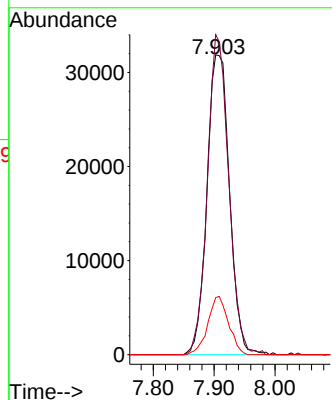
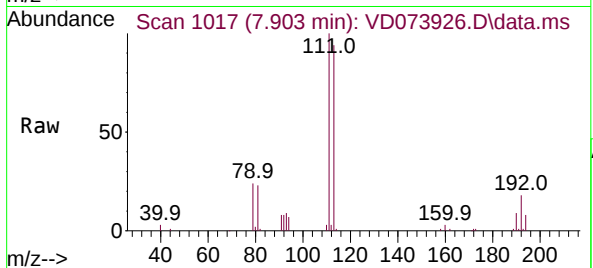
Tgt Ion:113 Resp: 82230

Ion Ratio Lower Upper

113 100

111 100.6 83.7 125.5

192 17.8 15.0 22.6



#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

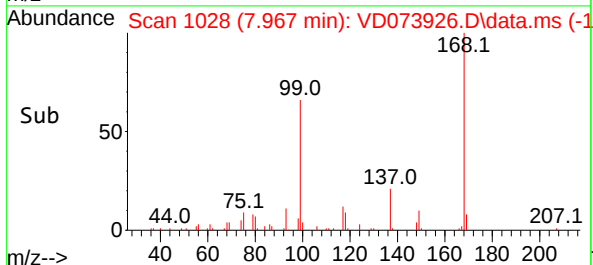
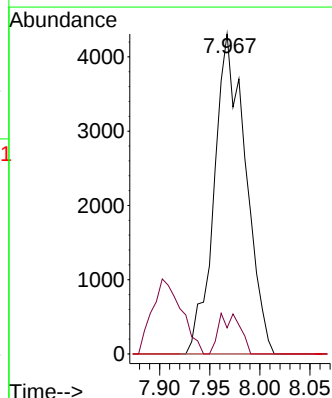
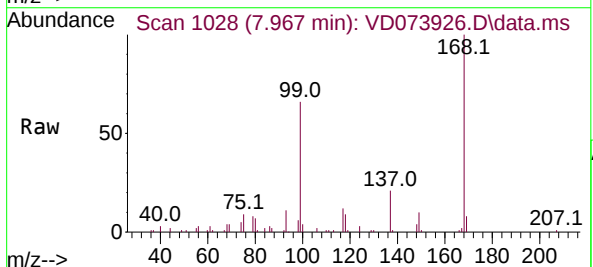
Tgt Ion: 75 Resp: 9404

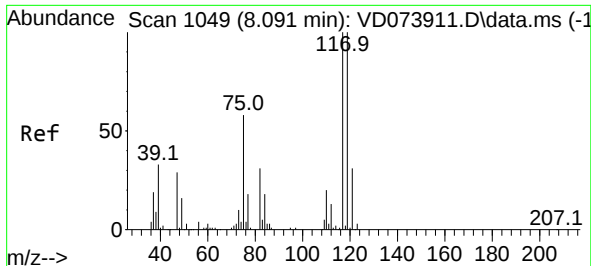
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.1#

77 0.0 24.7 37.1#

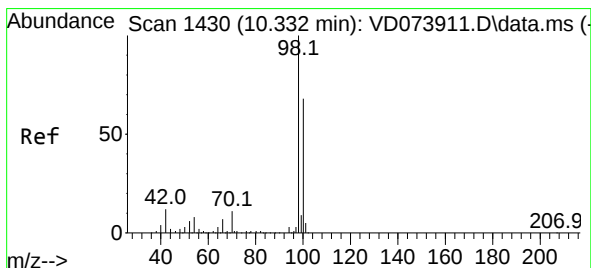
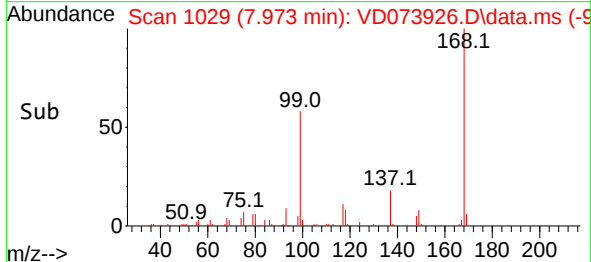
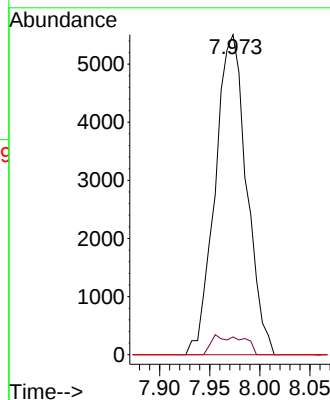
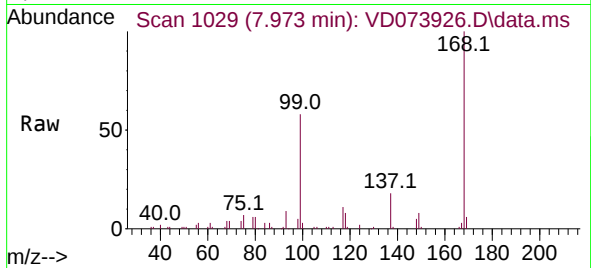




#38
Carbon Tetrachloride
Concen: 5.288 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

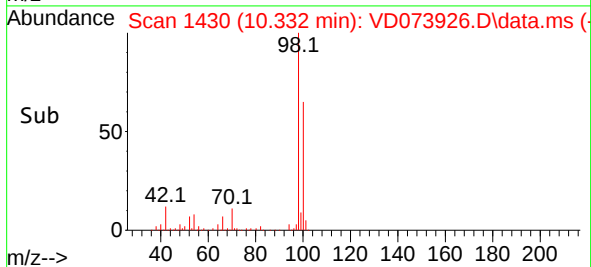
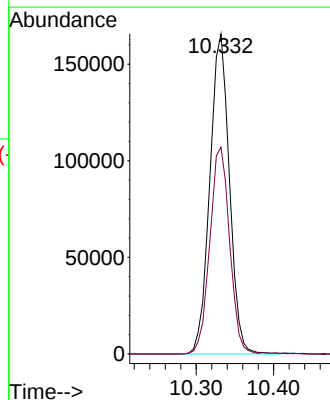
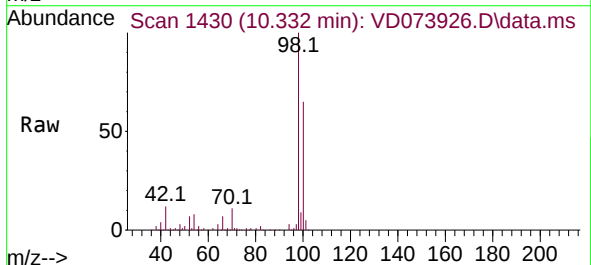
Instrument :
MSVOA_D
ClientSampleId :
MH-CD

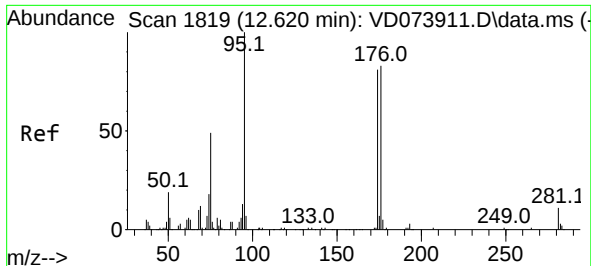
Tgt Ion:117 Resp: 12007
Ion Ratio Lower Upper
117 100
119 5.5 79.6 119.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 60.575 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

Tgt Ion: 98 Resp: 290402
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

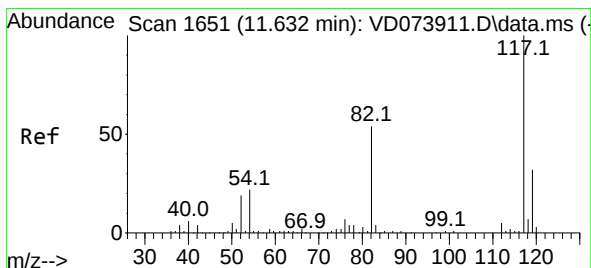
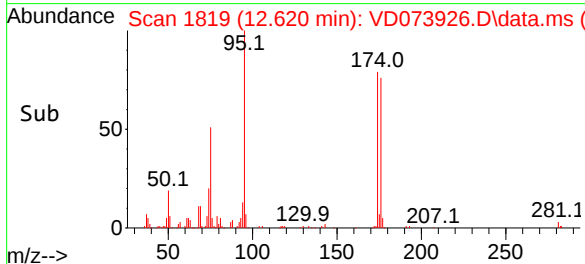
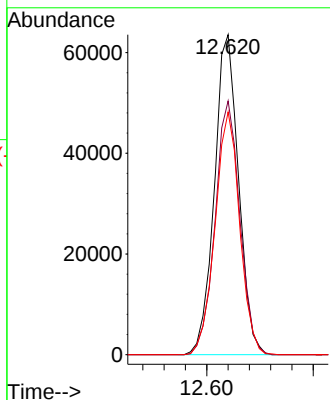
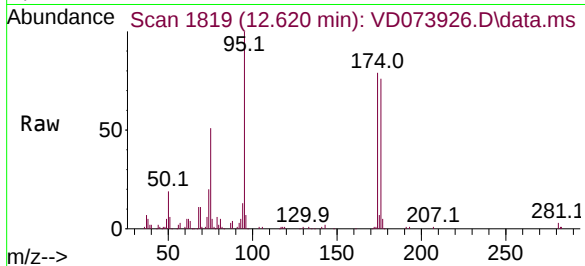




#62
4-Bromofluorobenzene
Concen: 56.663 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

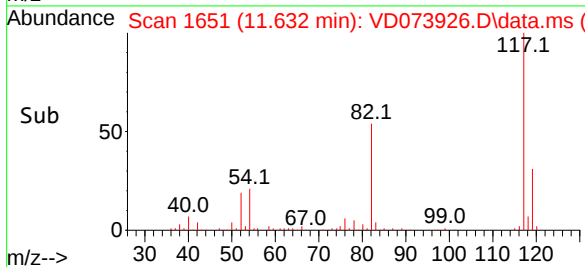
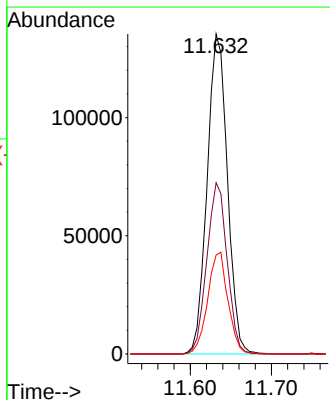
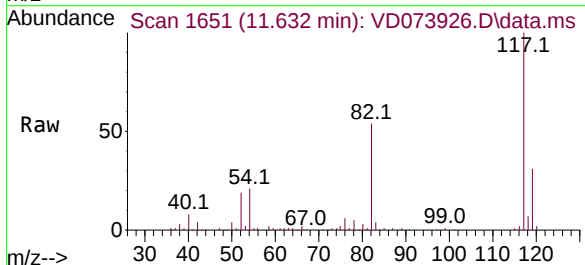
Instrument :
MSVOA_D
ClientSampleId :
MH-CD

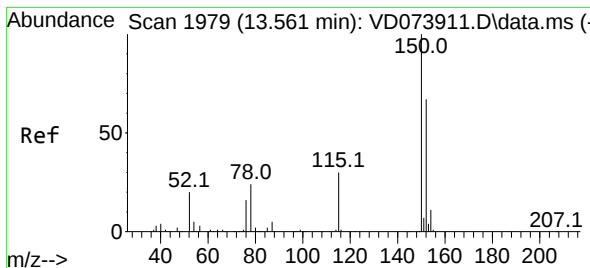
Tgt Ion:	95	Resp:	99897
Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	164.2
176	77.2	0.0	161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

Tgt Ion:	117	Resp:	234425
Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.3	64.9
119	30.9	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

MH-CD

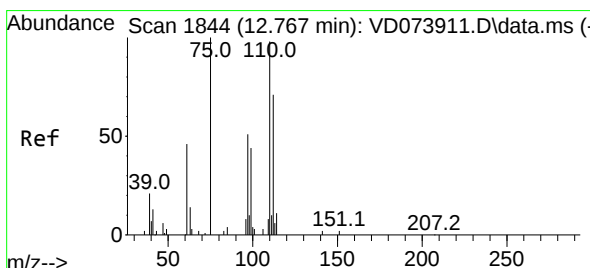
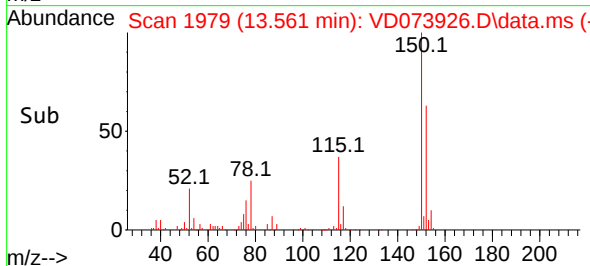
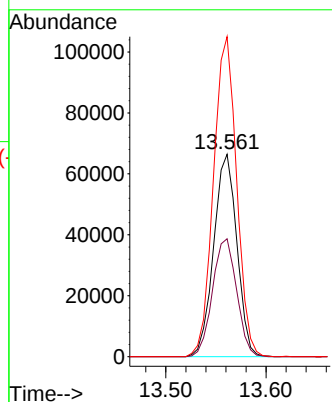
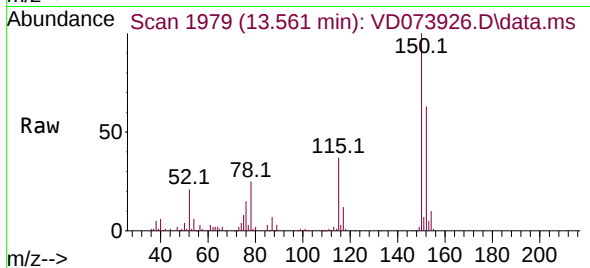
Tgt Ion:152 Resp: 106634

Ion Ratio Lower Upper

152 100

115 60.6 29.1 87.3

150 157.5 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 69.823 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. -0.153 min

Lab File: VD073926.D

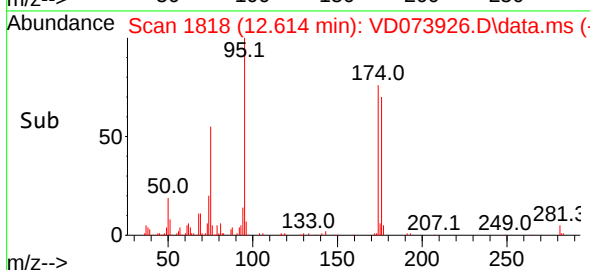
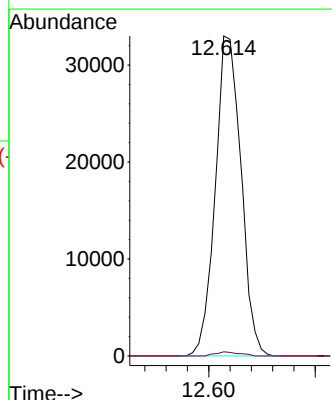
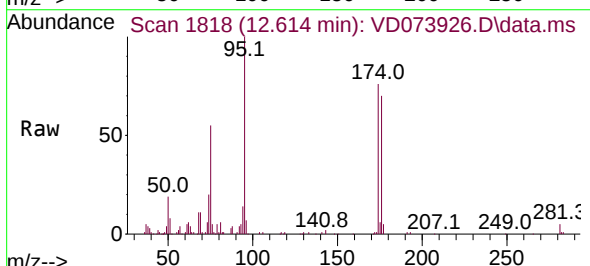
Acq: 02 Aug 2022 14:57

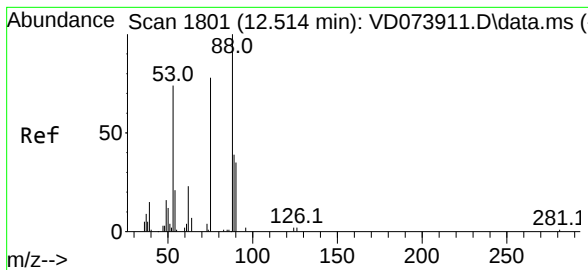
Tgt Ion: 75 Resp: 55197

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.506 ug/l
 RT: 12.614 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD073926.D
 Acq: 02 Aug 2022 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CD

Tgt Ion: 75 Resp: 55197
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.6 107.4#
 89 0.0 39.8 59.6#

