

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077326.D
 Acq On : 12 Oct 2023 19:28
 Operator : JC/SY
 Sample : 04858-07
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 13 02:33:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

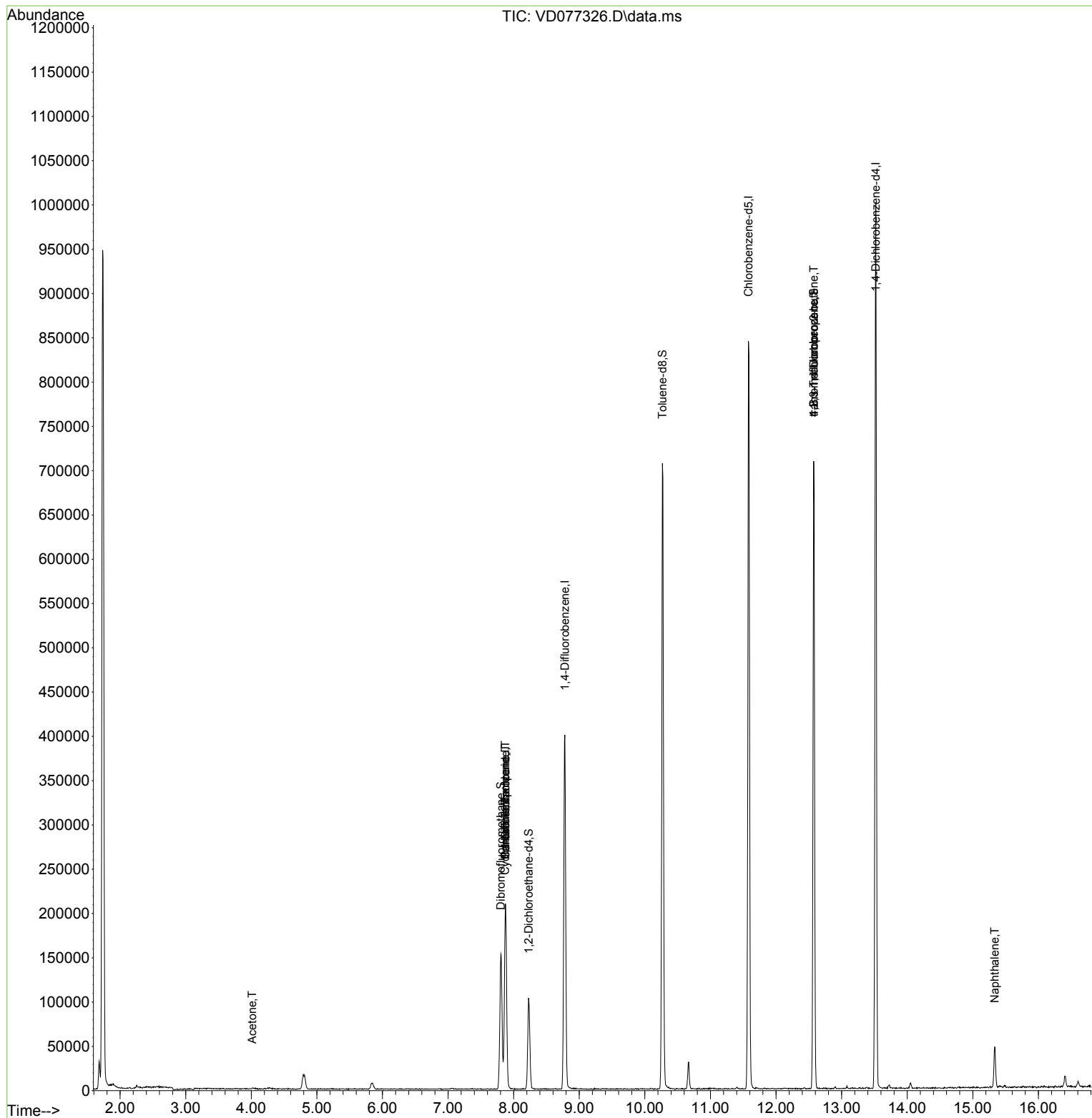
Internal Standards						
1) Pentafluorobenzene	7.875	168	163649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	370365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	516785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	261870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76439	59.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.820%	
35) Dibromofluoromethane	7.804	113	109760	56.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.820%	
50) Toluene-d8	10.269	98	495944	76.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 153.380%#	
62) 4-Bromofluorobenzene	12.575	95	219953	101.267	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 202.540%#	
Target Compounds						Qvalue
16) Acetone	4.016	43	465	1.157	ug/l	90
20) Methylene Chloride	4.793	84	13674	Below Cal		93
31) Cyclohexane	7.869	56	3668	1.175	ug/l #	66
36) 1,1-Dichloropropene	7.875	75	13610	3.777	ug/l #	50
38) Carbon Tetrachloride	7.875	117	17187	5.296	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	110264	40.650	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	110264	90.851	ug/l #	17
95) Naphthalene	15.333	128	41982	4.408	ug/l	97

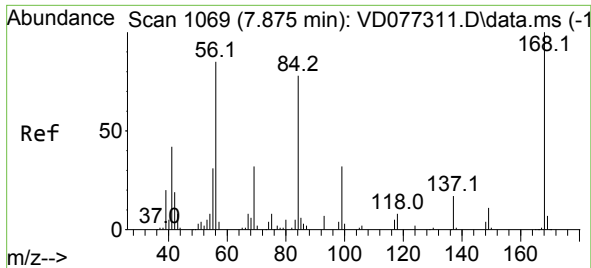
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

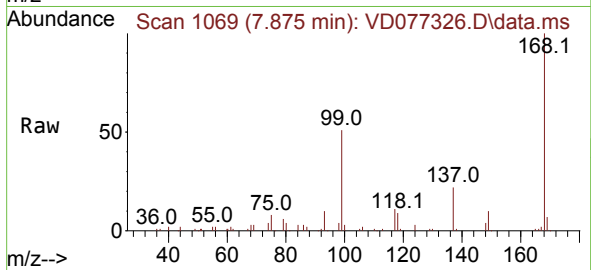
Quant Time: Oct 13 02:33:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 12 14:39:07 2023
Response via : Initial Calibration



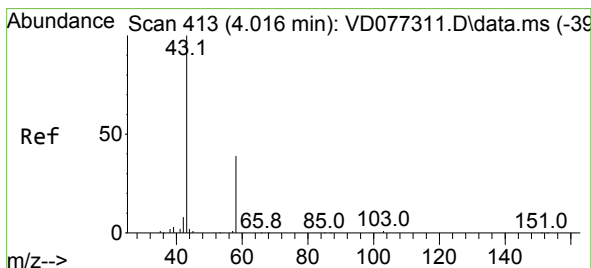
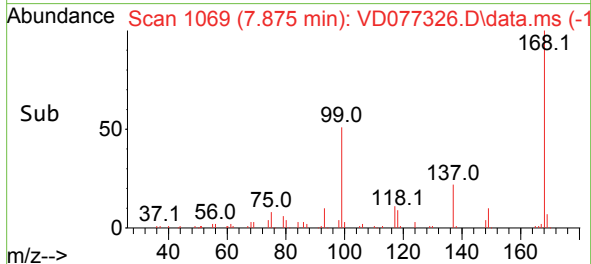
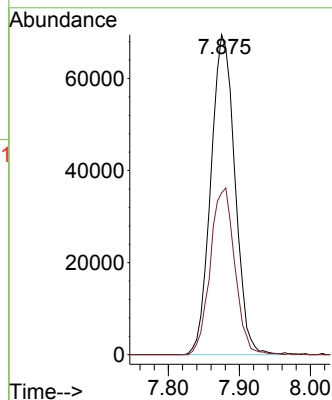


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Instrument :
MSVOA_D
ClientSampleId :

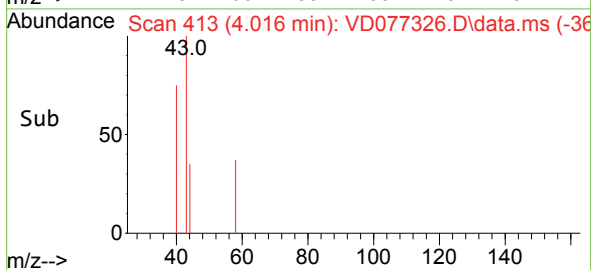
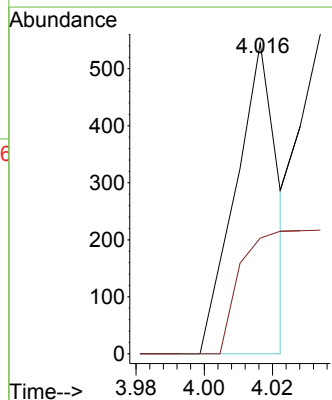
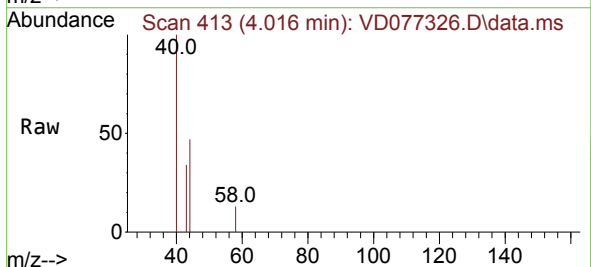


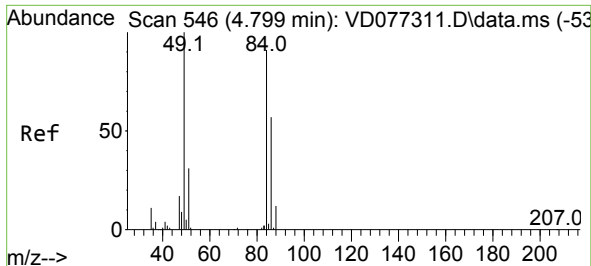
Tgt Ion:168 Resp: 163649
Ion Ratio Lower Upper
168 100
99 50.6 36.7 55.1



#16
Acetone
Concen: 1.157 ug/l
RT: 4.016 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

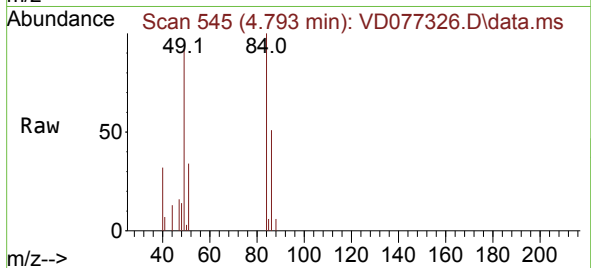
Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 37.2 34.7 52.1



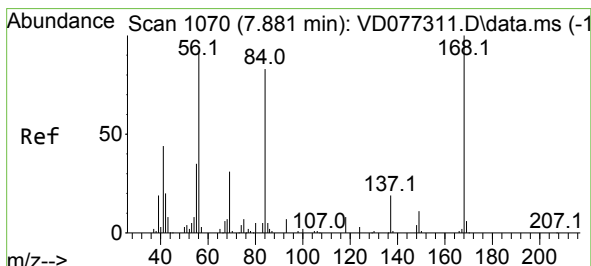
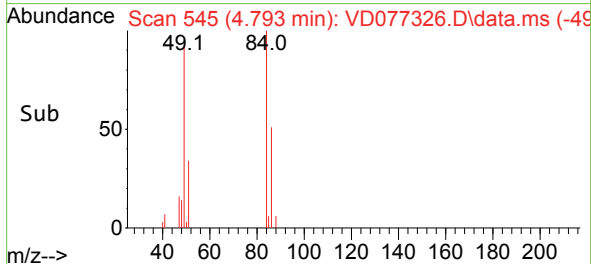
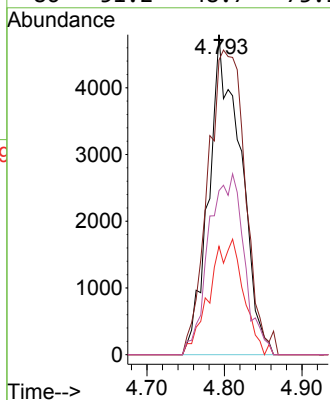


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Instrument :
MSVOA_D
ClientSampleId :

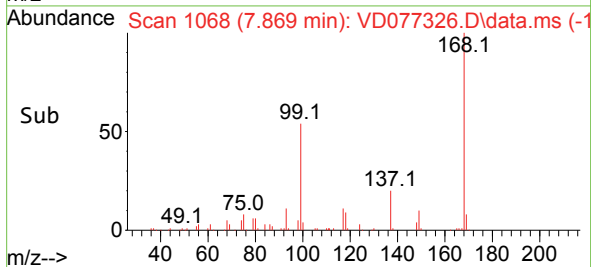
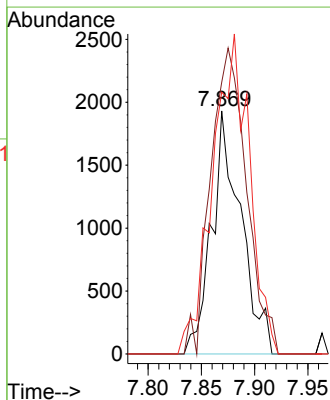
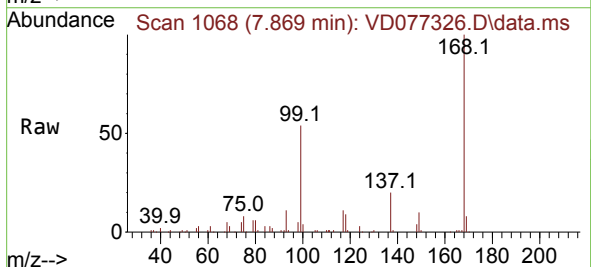


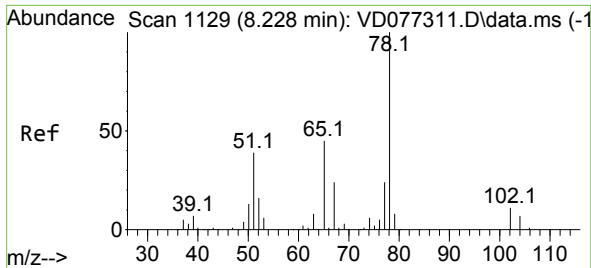
Tgt Ion:	84	Resp:	13674
Ion	Ratio	Lower	Upper
84	100		
49	92.1	71.4	107.2
51	33.8	24.5	36.7
86	51.2	48.7	73.1



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Tgt Ion:	56	Resp:	3668
Ion	Ratio	Lower	Upper
56	100		
69	111.8	28.6	43.0#
84	107.7	84.8	127.2

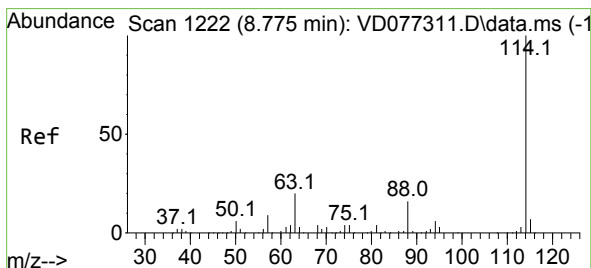
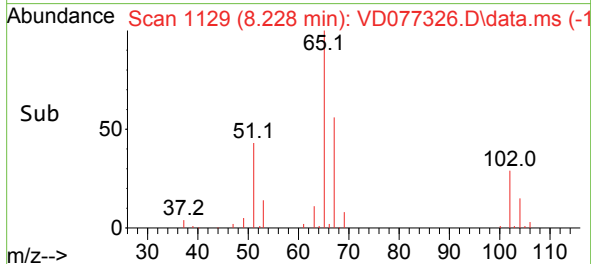
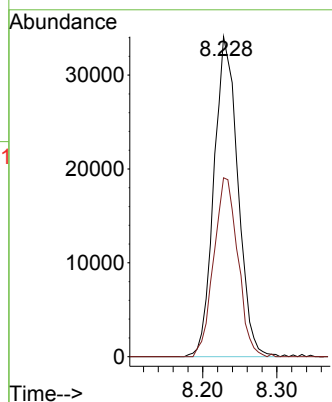
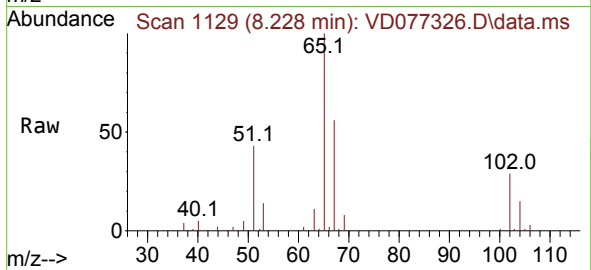




#33
 1,2-Dichloroethane-d4
 Concen: 59.413 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD077326.D
 Acq: 12 Oct 2023 19:28

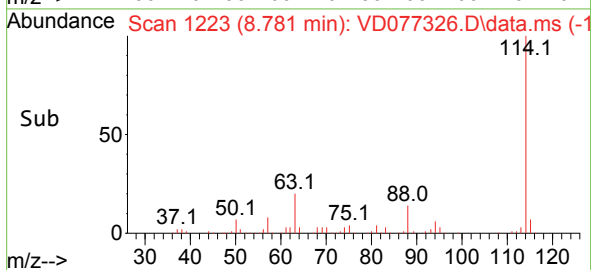
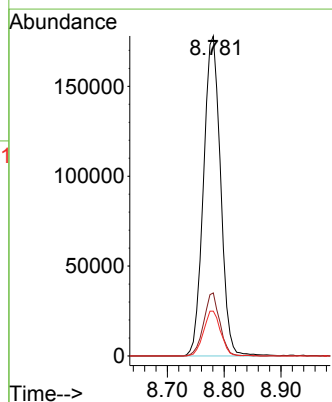
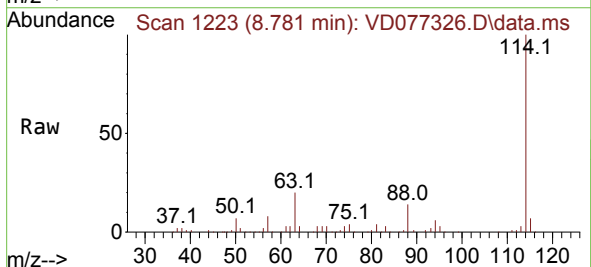
Instrument :
 MSVOA_D
 ClientSampleId :

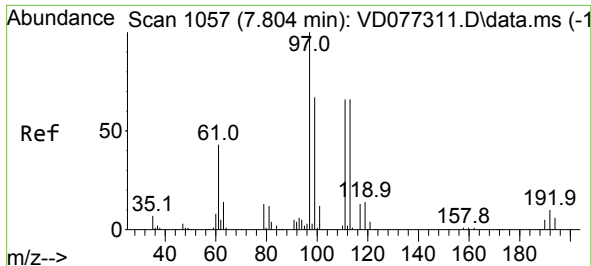
Tgt Ion: 65 Resp: 76439
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD077326.D
 Acq: 12 Oct 2023 19:28

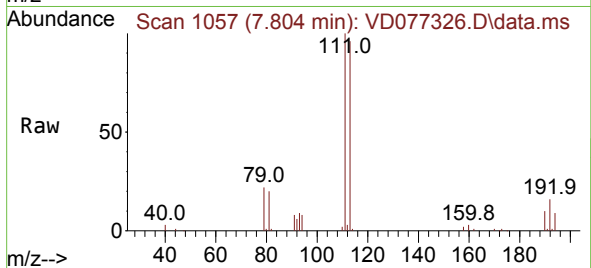
Tgt Ion: 114 Resp: 370365
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 33.4
 88 14.0 0.0 26.2



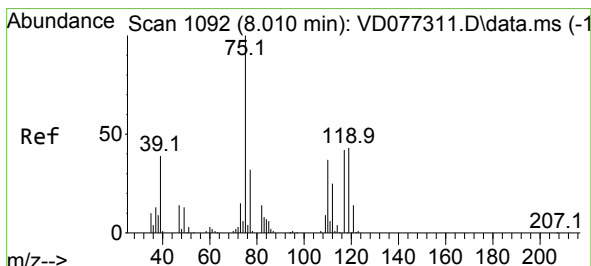
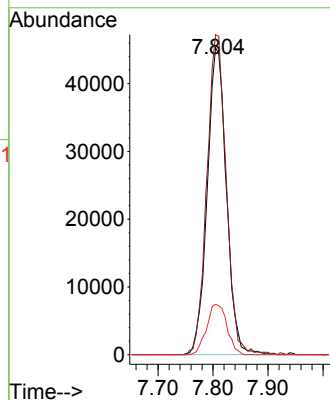
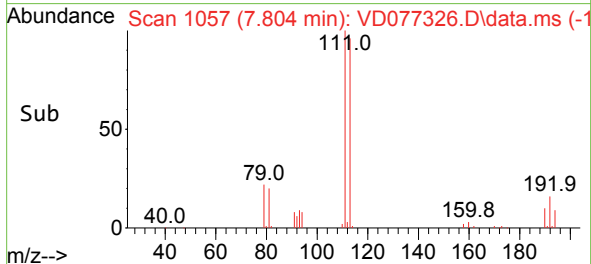


#35
Dibromofluoromethane
Concen: 56.912 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

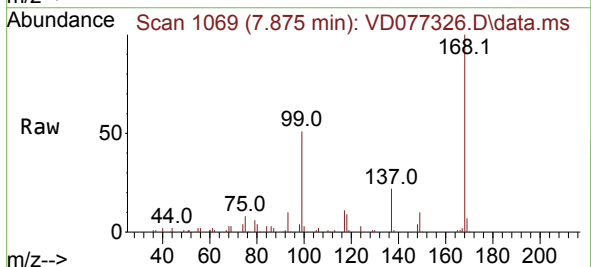
Instrument :
MSVOA_D
ClientSampleId :



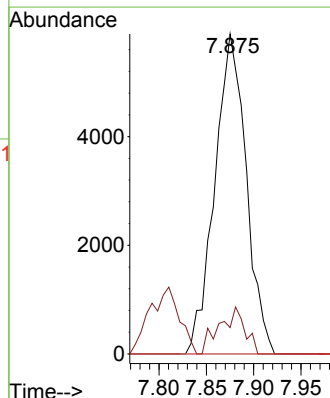
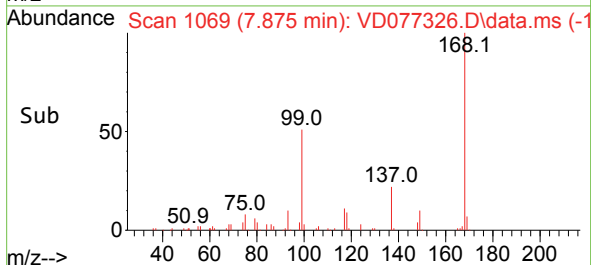
Tgt Ion:113 Resp: 109760
Ion Ratio Lower Upper
113 100
111 105.2 84.7 127.1
192 17.4 16.8 25.2

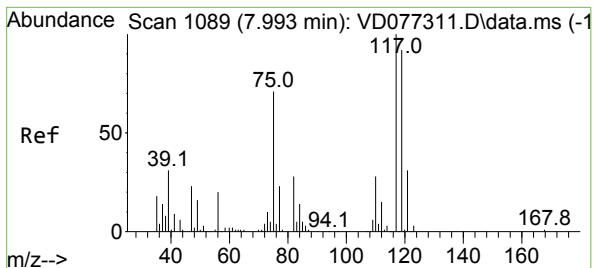


#36
1,1-Dichloropropene
Concen: 3.777 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28



Tgt Ion: 75 Resp: 13610
Ion Ratio Lower Upper
75 100
110 11.8 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.296 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

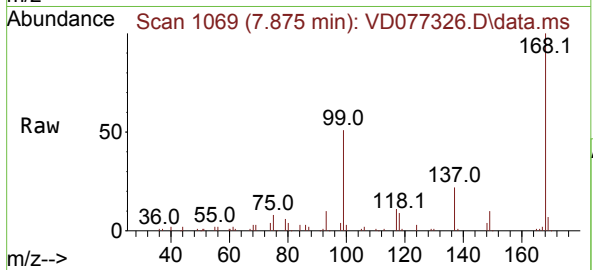
Lab File: VD077326.D

Acq: 12 Oct 2023 19:28

Instrument :

MSVOA_D

ClientSampleId :



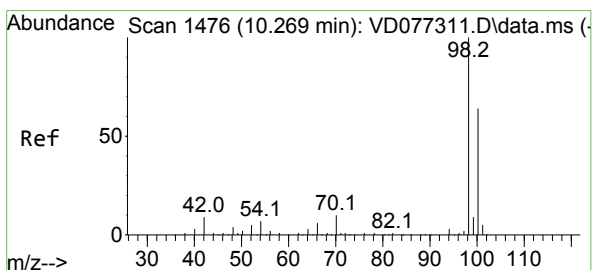
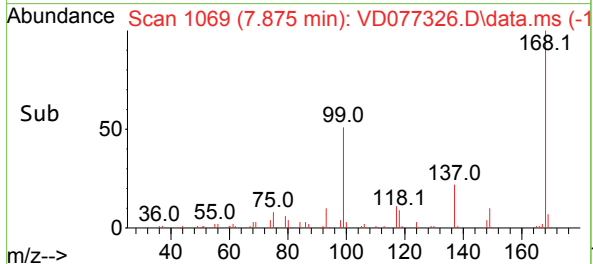
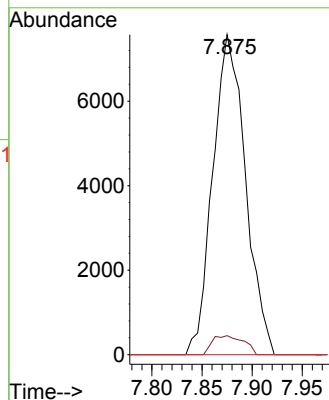
Tgt Ion:117 Resp: 17187

Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 76.689 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077326.D

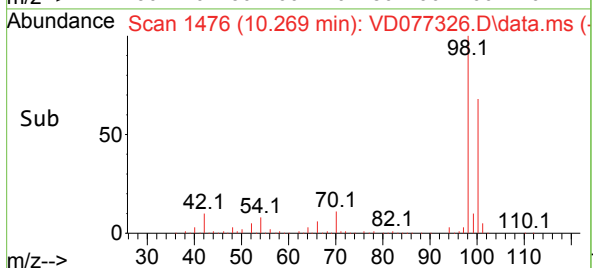
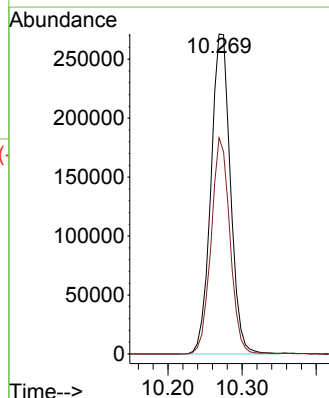
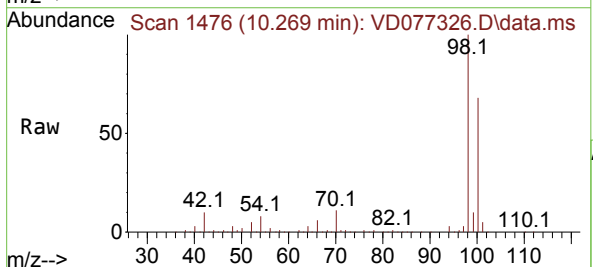
Acq: 12 Oct 2023 19:28

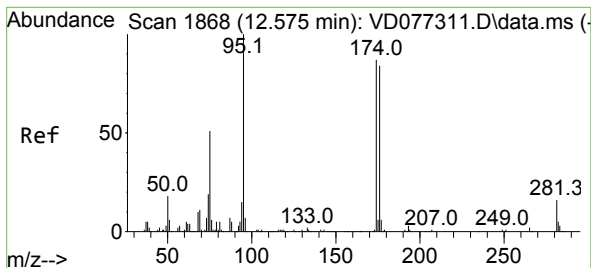
Tgt Ion: 98 Resp: 495944

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

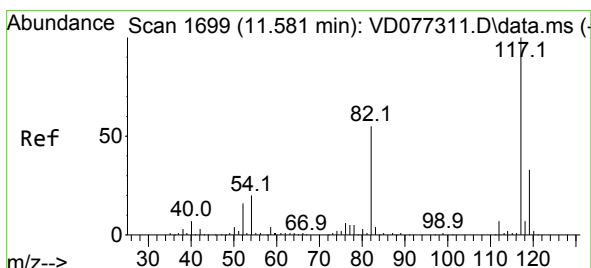
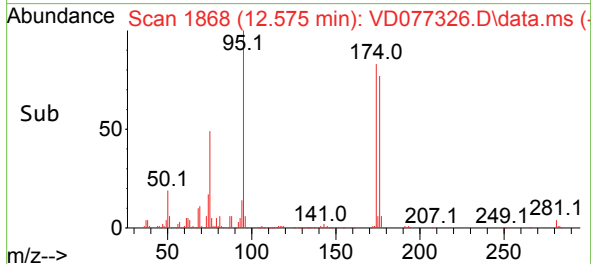
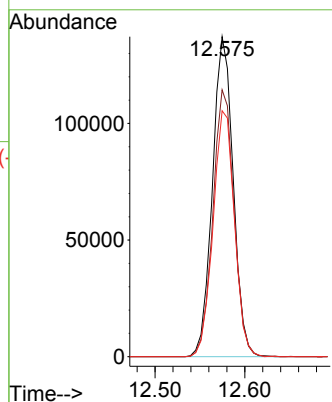
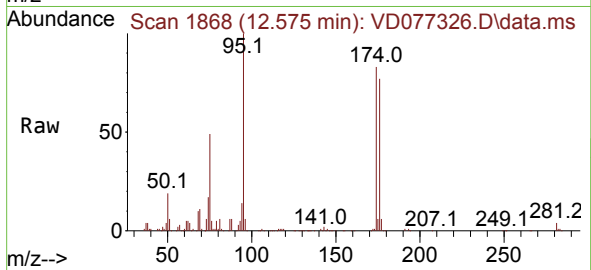




#62
4-Bromofluorobenzene
Concen: 101.267 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

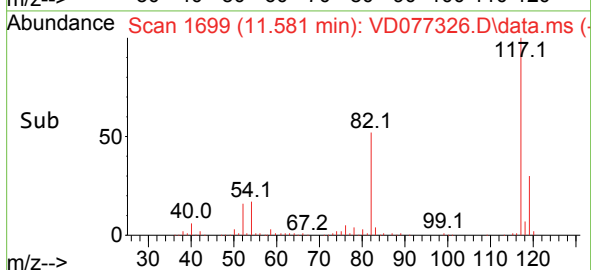
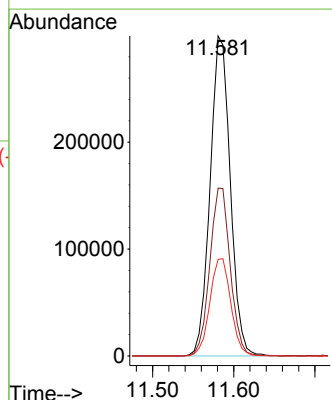
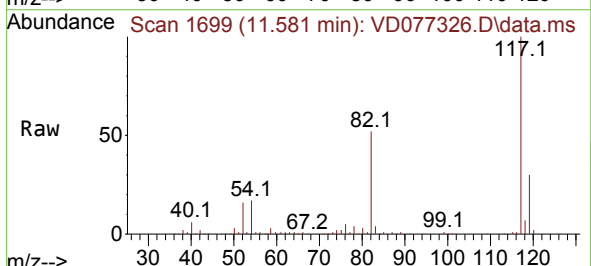
Instrument :
MSVOA_D
ClientSampleId :

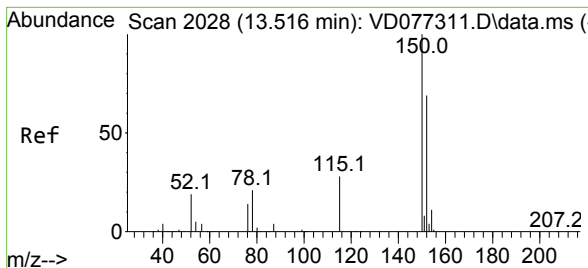
Tgt Ion: 95 Resp: 219953
Ion Ratio Lower Upper
95 100
174 85.0 0.0 201.8
176 79.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Tgt Ion: 117 Resp: 516785
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 30.2 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

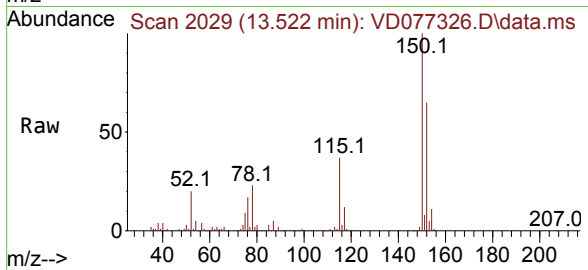
Lab File: VD077326.D

Acq: 12 Oct 2023 19:28

Instrument :

MSVOA_D

ClientSampleId :



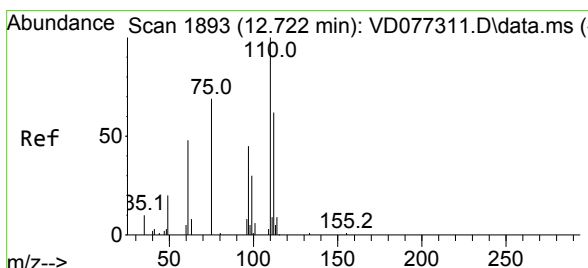
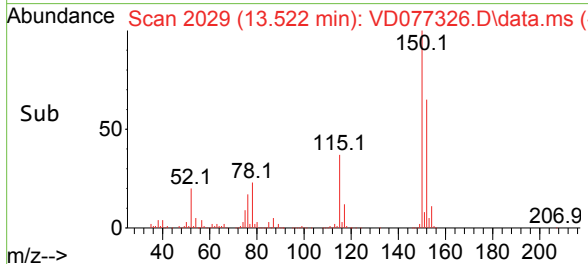
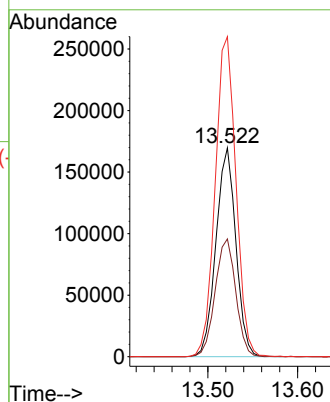
Tgt Ion:152 Resp: 261870

Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.3

150 159.1 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 40.650 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077326.D

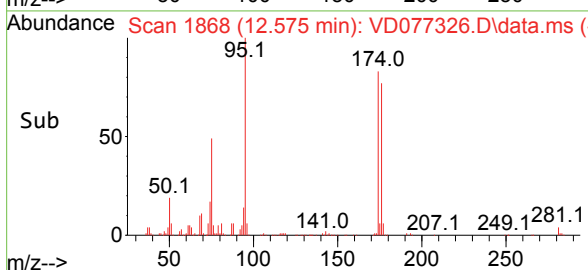
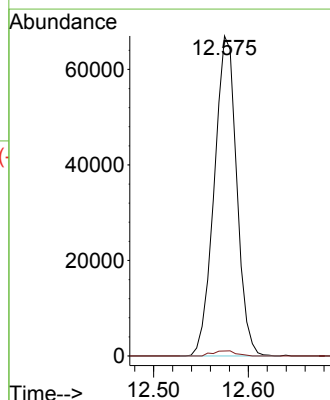
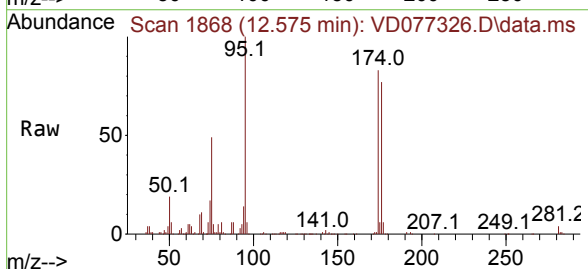
Acq: 12 Oct 2023 19:28

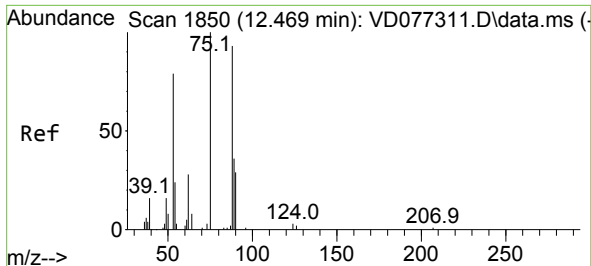
Tgt Ion: 75 Resp: 110264

Ion Ratio Lower Upper

75 100

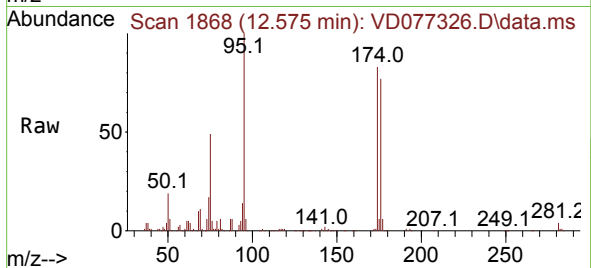
77 1.7 0.0 0.0#



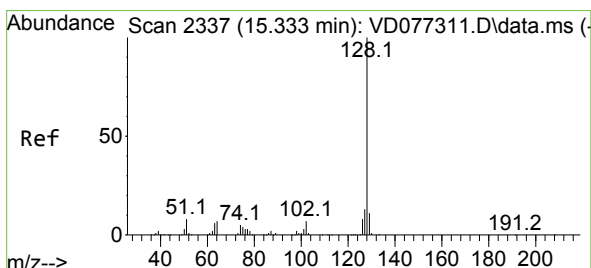
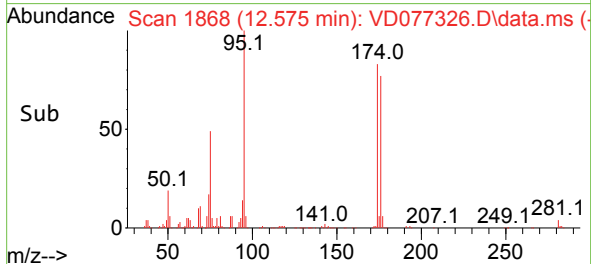
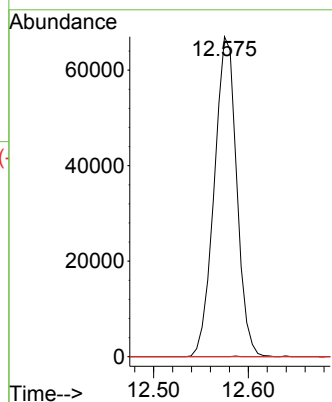


#81
trans-1,4-Dichloro-2-butene
Concen: 90.851 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 110264
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 4.408 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077326.D
Acq: 12 Oct 2023 19:28

Tgt Ion:128 Resp: 41982
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 12.7 8.7 13.1

