

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077235.D
 Acq On : 28 Sep 2023 17:50
 Operator : JC/SY
 Sample : 04668-09
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 29 02:20:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

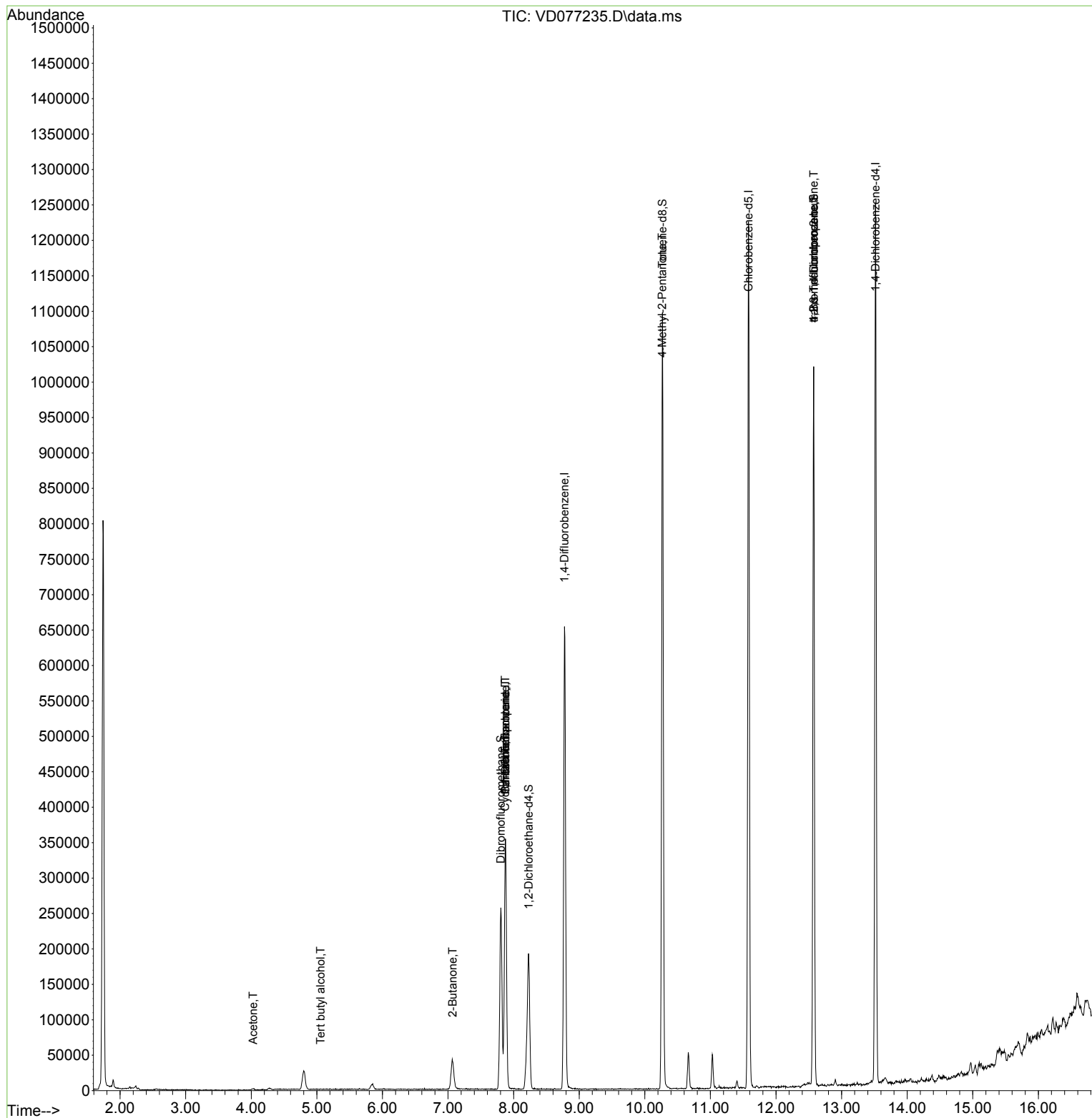
Internal Standards						
1) Pentafluorobenzene	7.875	168	279175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	604351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	723957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	334354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	134638	47.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.580%
35) Dibromofluoromethane	7.805	113	186633	44.460	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.920%
50) Toluene-d8	10.269	98	763008	51.066	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.140%
62) 4-Bromofluorobenzene	12.575	95	309257	66.779	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	133.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	201	1.251	ug/l #	73
16) Acetone	4.028	43	2618	4.066	ug/l #	84
20) Methylene Chloride	4.811	84	20508	Below Cal		93
25) 2-Butanone	7.069	43	1840	2.172	ug/l #	37
31) Cyclohexane	7.869	56	5199	1.055	ug/l #	24
36) 1,1-Dichloropropene	7.875	75	22192	3.510	ug/l #	46
38) Carbon Tetrachloride	7.875	117	27276	4.390	ug/l #	15
51) 4-Methyl-2-Pentanone	10.263	43	2772	1.187	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	157214	58.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	157214	111.574	ug/l #	17

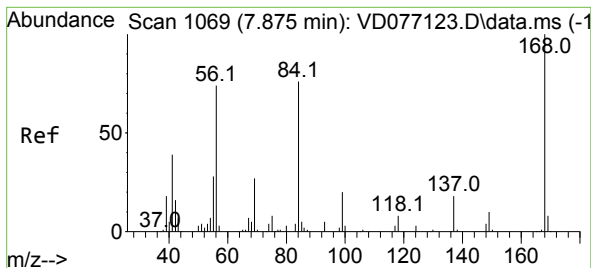
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 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: VD077235.D

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Instrument :

MSVOA_D

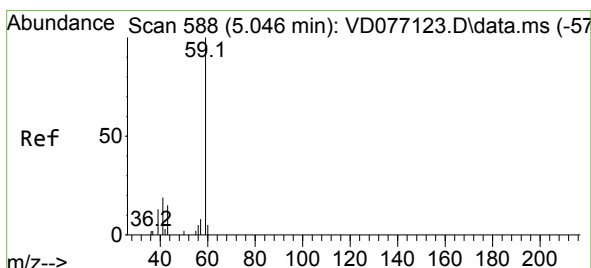
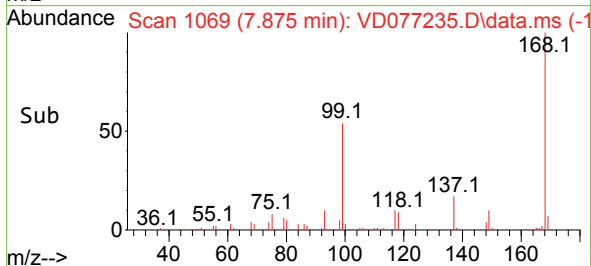
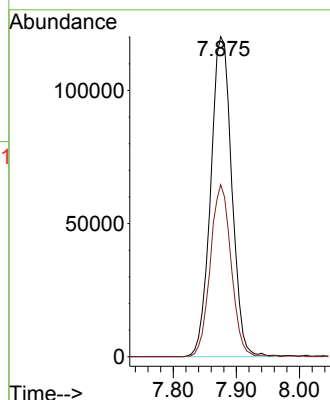
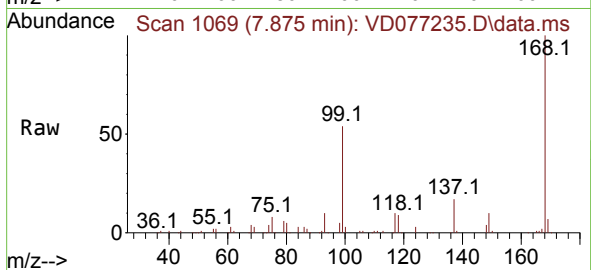
ClientSampleId :

Tgt Ion:168 Resp: 279175

Ion Ratio Lower Upper

168 100

99 53.8 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.251 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD077235.D

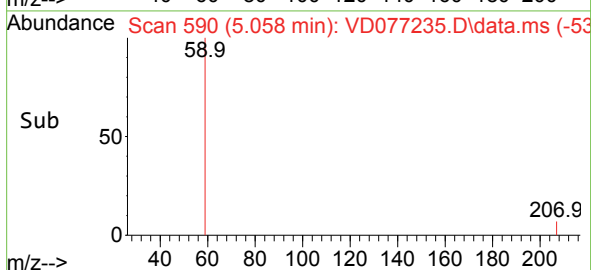
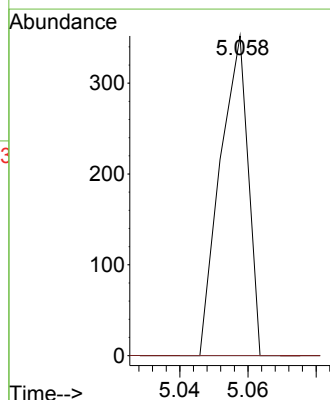
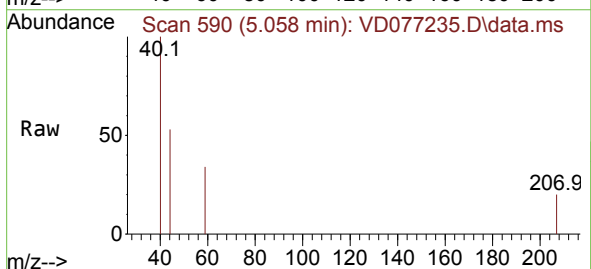
Acq: 28 Sep 2023 17:50

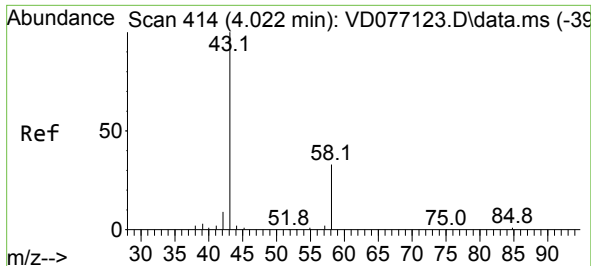
Tgt Ion: 59 Resp: 201

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

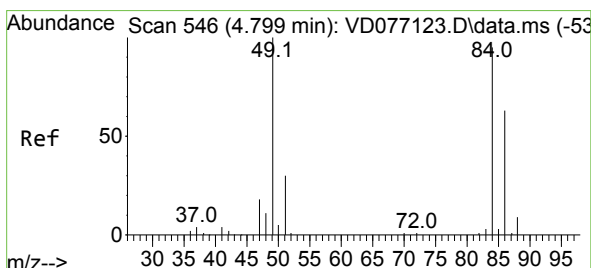
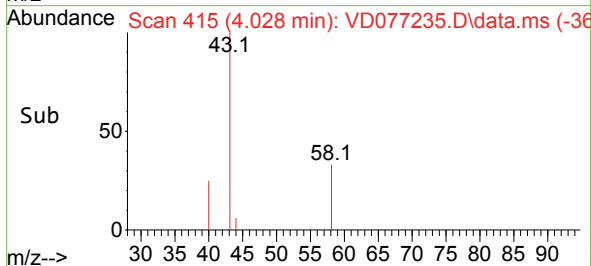
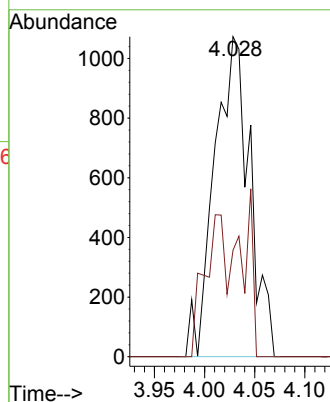
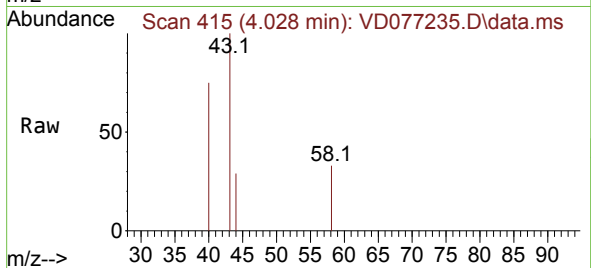




#16
Acetone
Concen: 4.066 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

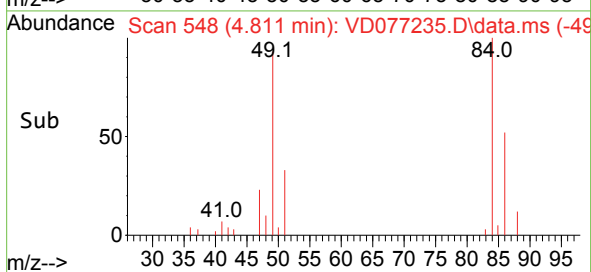
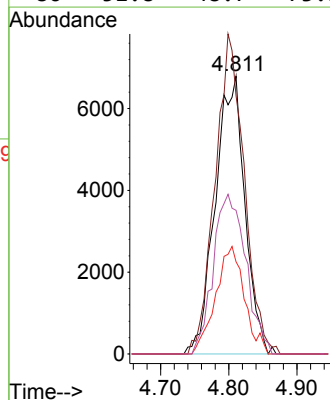
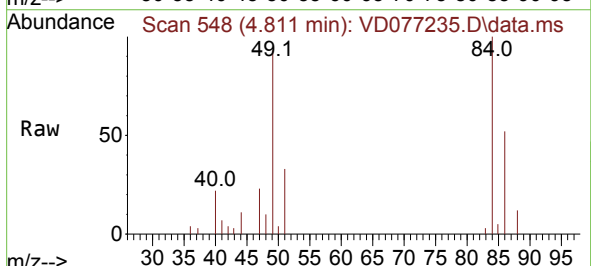
Instrument :
MSVOA_D
ClientSampleId :

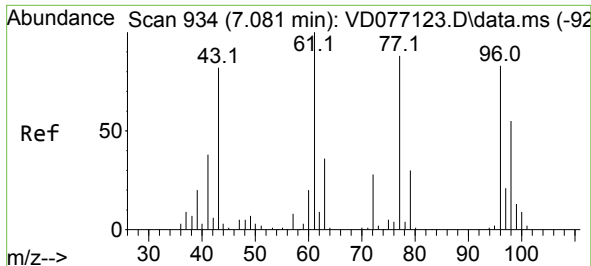
Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
58 33.3 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion: 84 Resp: 20508
Ion Ratio Lower Upper
84 100
49 93.0 71.4 107.2
51 33.2 24.5 36.7
86 51.8 48.7 73.1

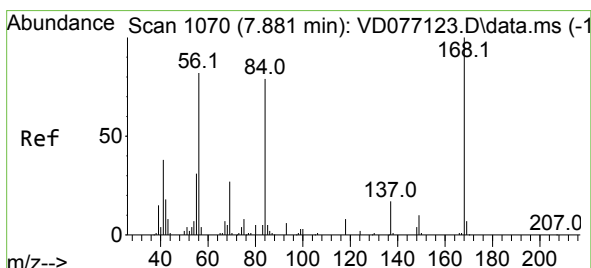
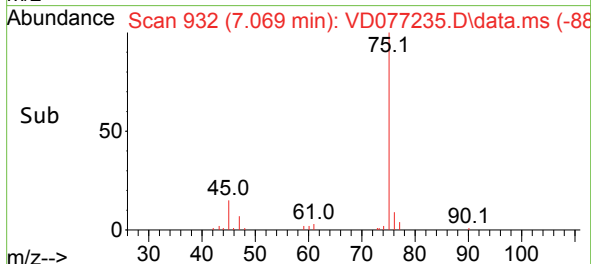
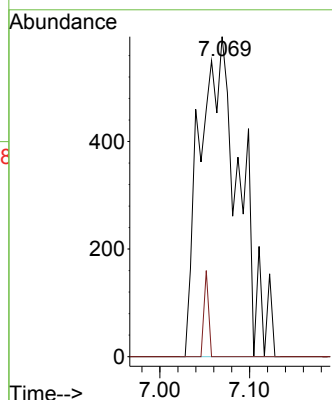
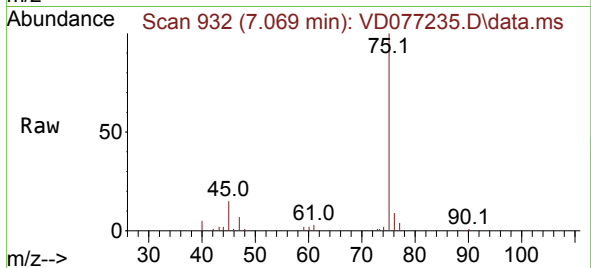




#25
2-Butanone
Concen: 2.172 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

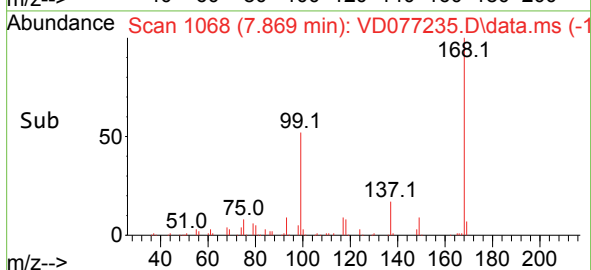
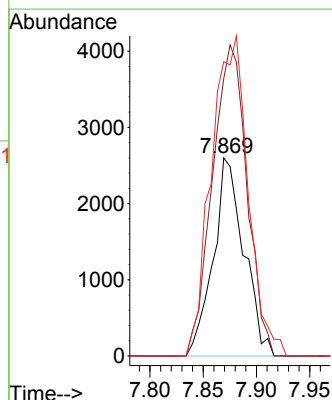
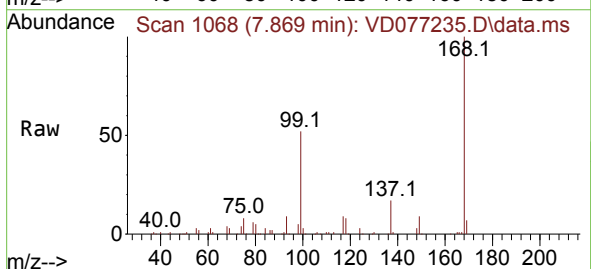
Instrument :
MSVOA_D
ClientSampleId :

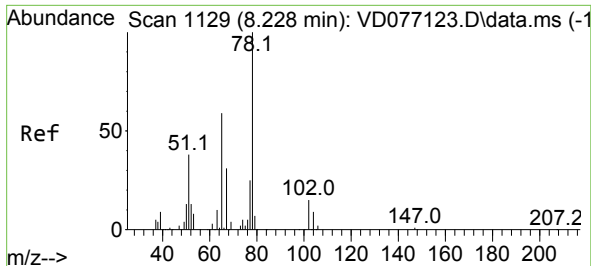
Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.055 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion: 56 Resp: 5199
Ion Ratio Lower Upper
56 100
69 140.1 28.6 43.0#
84 148.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 47.787 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

Instrument :

MSVOA_D

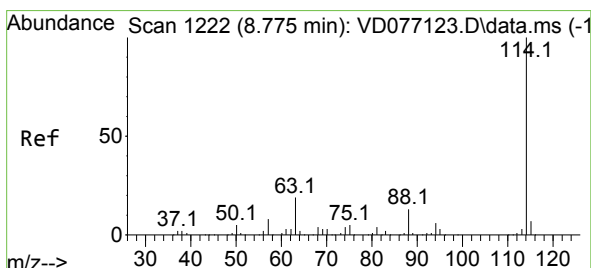
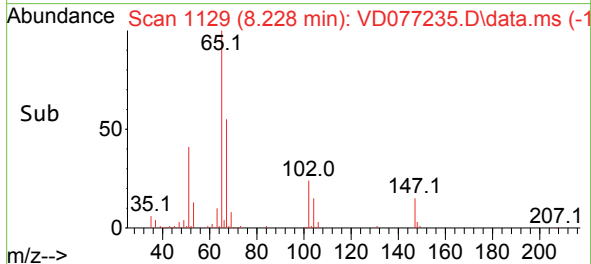
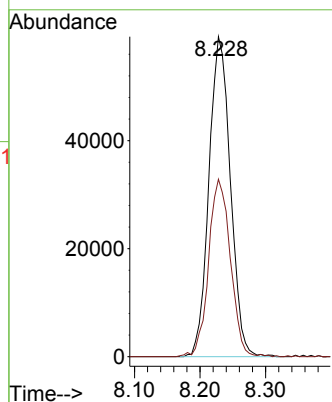
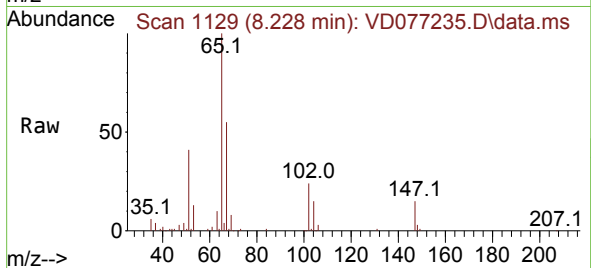
ClientSampleId :

Tgt Ion: 65 Resp: 134638

Ion Ratio Lower Upper

65 100

67 56.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

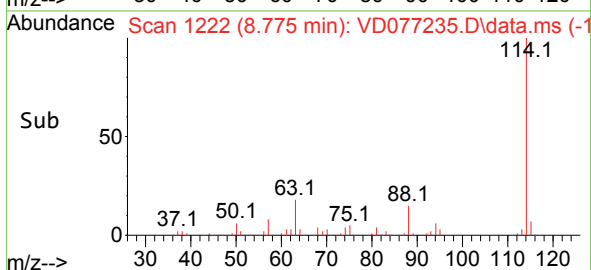
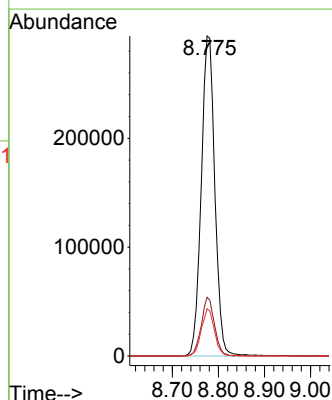
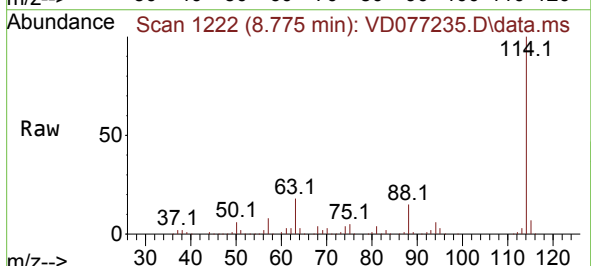
Tgt Ion: 114 Resp: 604351

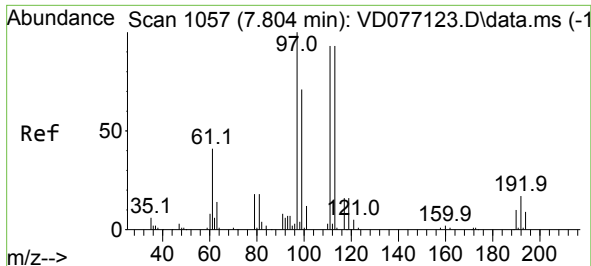
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

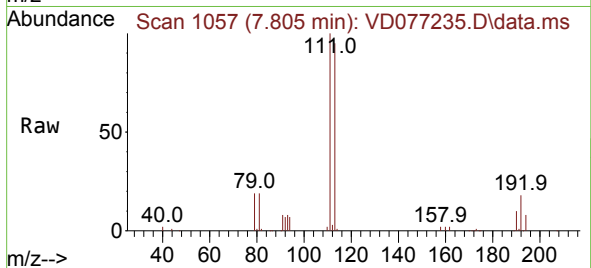
88 14.7 0.0 26.2



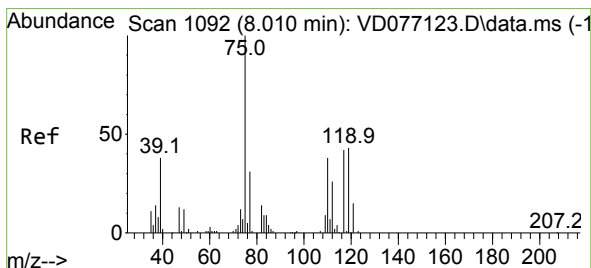
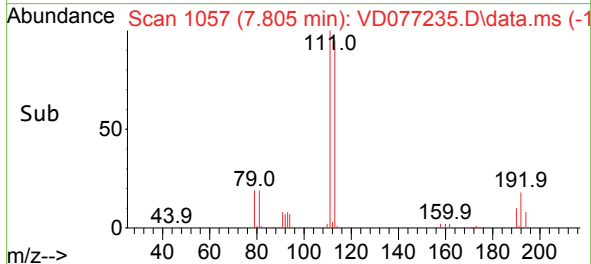
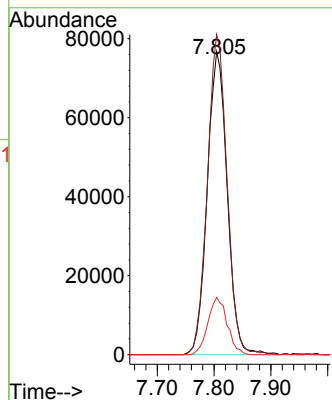


#35
 Dibromofluoromethane
 Concen: 44.460 ug/l
 RT: 7.805 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VD077235.D
 Acq: 28 Sep 2023 17:50

Instrument :
 MSVOA_D
 ClientSampleId :

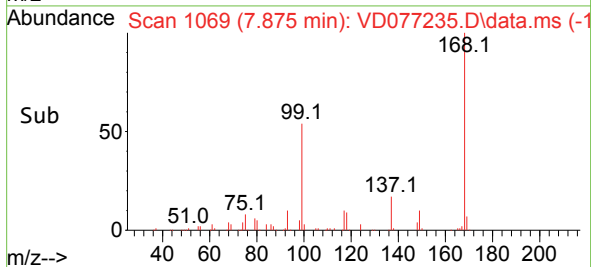
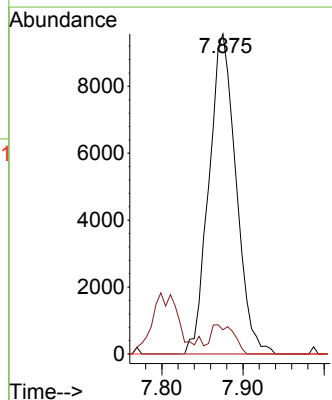
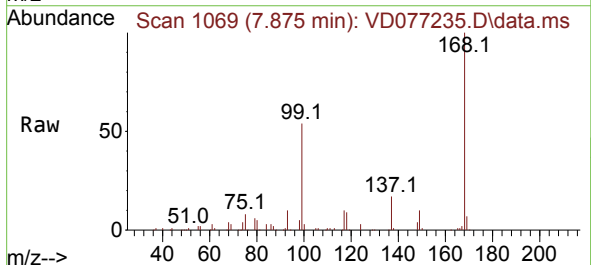


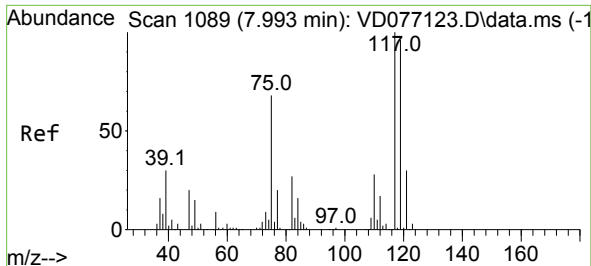
Tgt Ion:113 Resp: 186633
 Ion Ratio Lower Upper
 113 100
 111 104.1 84.7 127.1
 192 18.3 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 3.510 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD077235.D
 Acq: 28 Sep 2023 17:50

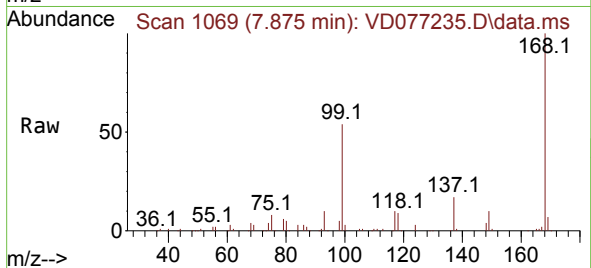
Tgt Ion: 75 Resp: 22192
 Ion Ratio Lower Upper
 75 100
 110 7.8 19.9 59.6#
 77 0.0 24.7 37.1#



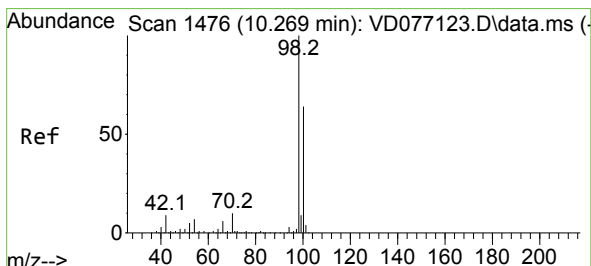
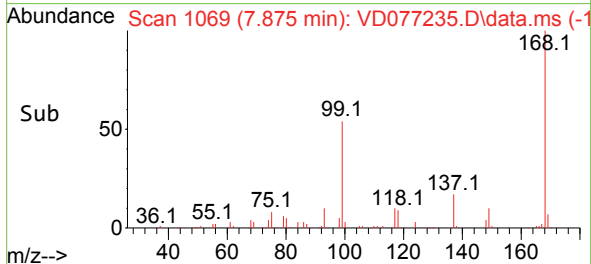
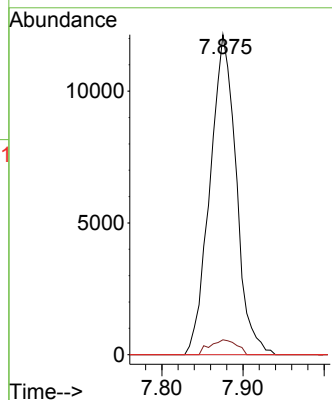


#38
Carbon Tetrachloride
Concen: 4.390 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Instrument :
MSVOA_D
ClientSampleId :

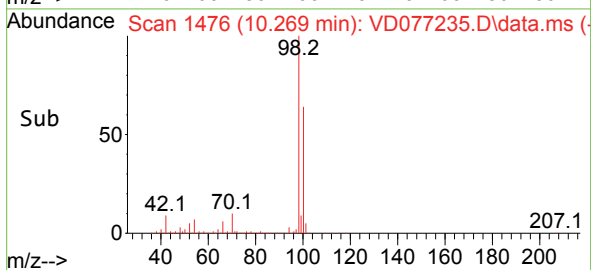
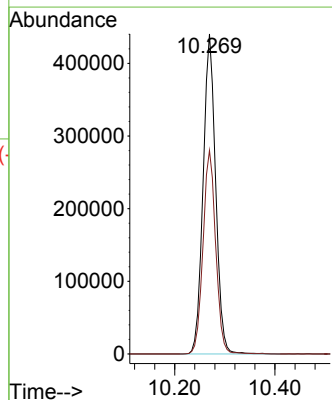
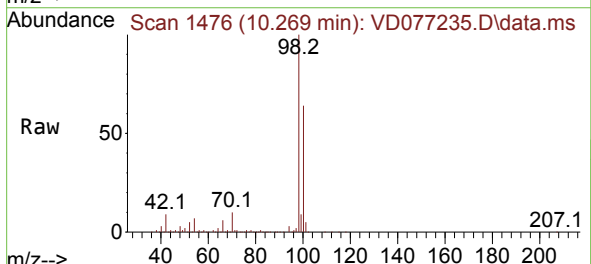


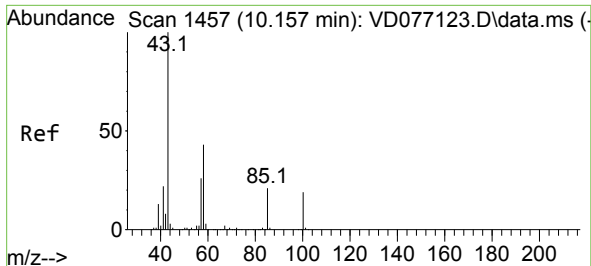
Tgt Ion:117 Resp: 27276
Ion Ratio Lower Upper
117 100
119 4.7 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.066 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion: 98 Resp: 763008
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.187 ug/l

RT: 10.263 min Scan# 1457

Delta R.T. 0.106 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

Instrument :

MSVOA_D

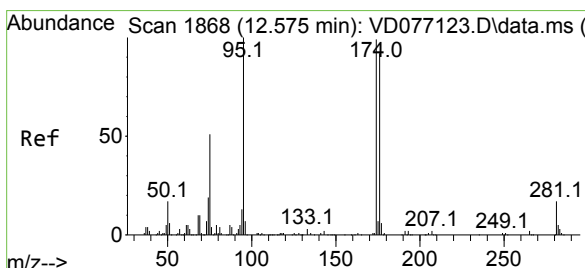
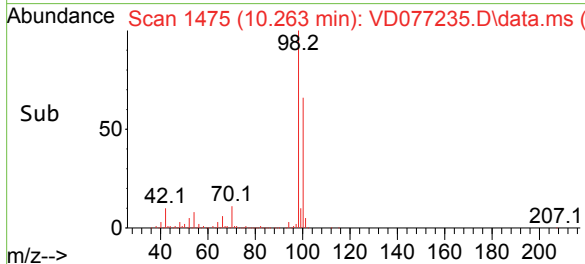
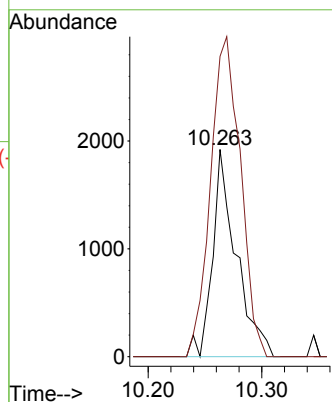
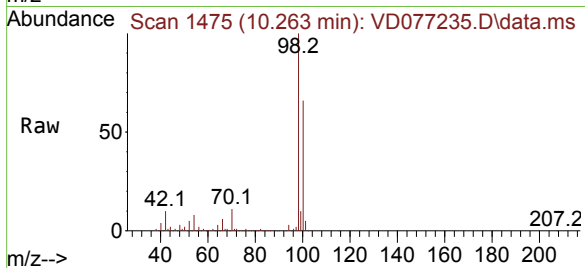
ClientSampleId :

Tgt Ion: 43 Resp: 2772

Ion Ratio Lower Upper

43 100

58 196.2 38.9 58.3#



#62

4-Bromofluorobenzene

Concen: 66.779 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077235.D

Acq: 28 Sep 2023 17:50

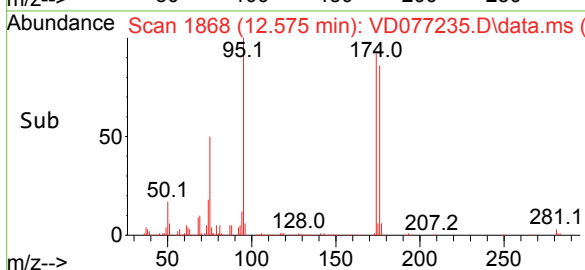
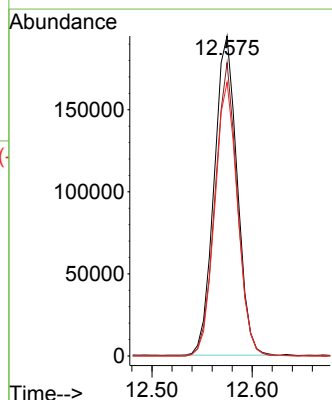
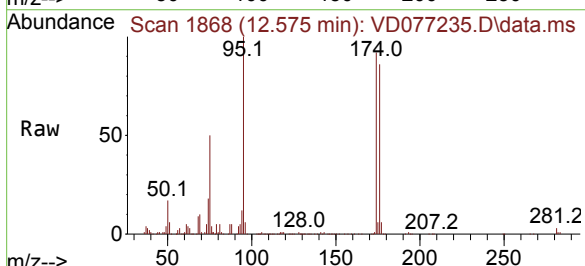
Tgt Ion: 95 Resp: 309257

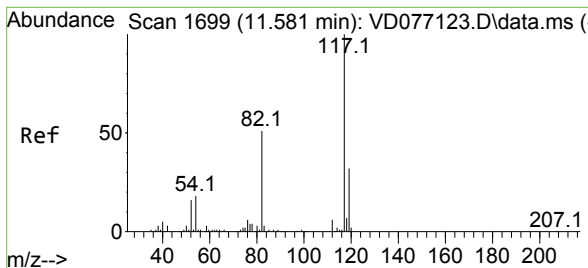
Ion Ratio Lower Upper

95 100

174 88.9 0.0 201.8

176 85.1 0.0 191.8

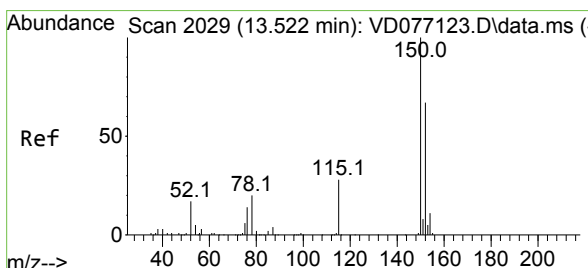
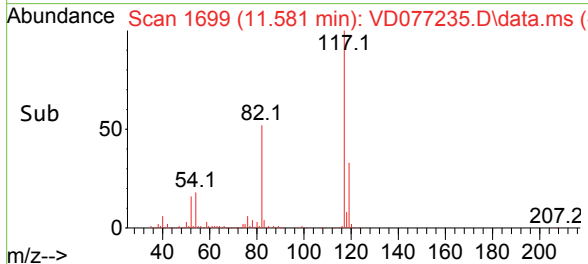
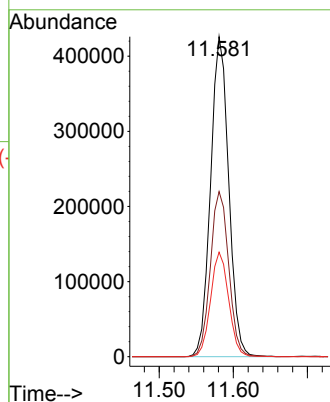
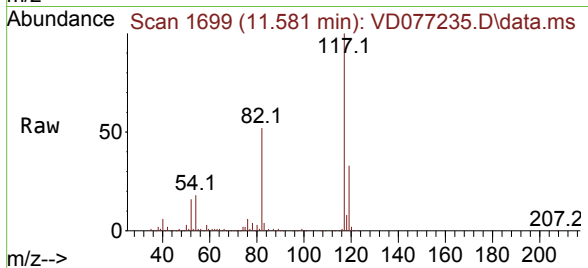




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

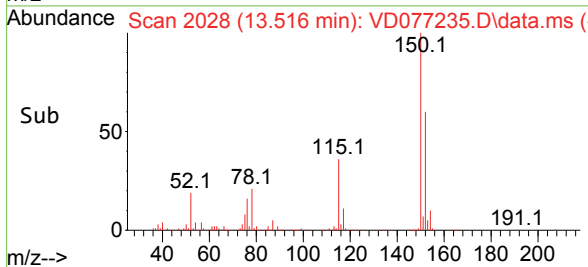
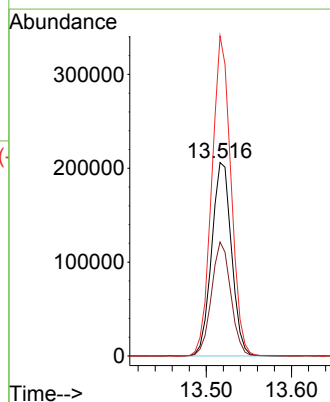
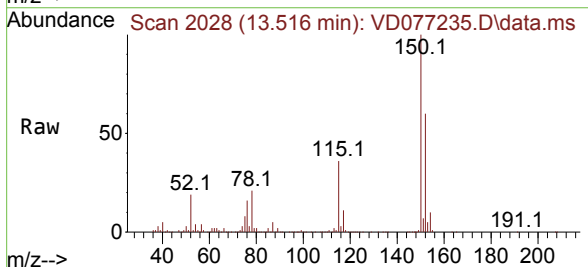
Instrument :
MSVOA_D
ClientSampleId :

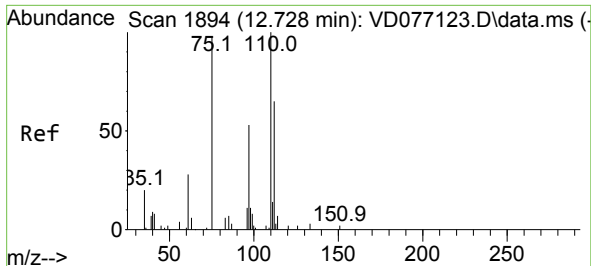
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	38.3	57.5
119	32.7	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.1	81.3
150	159.6	0.0	353.6

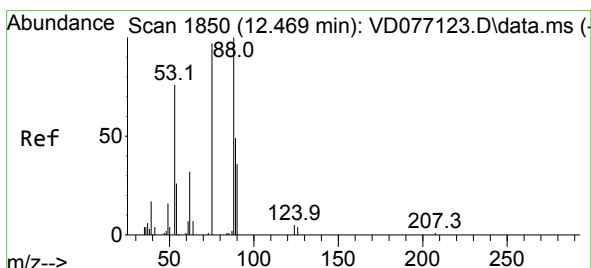
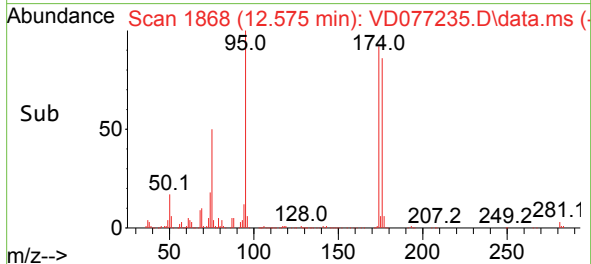
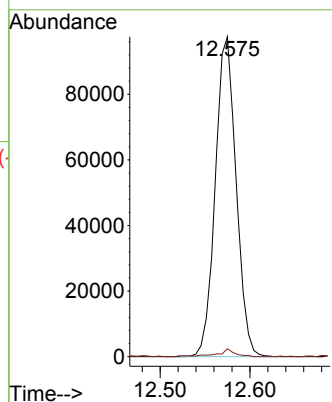
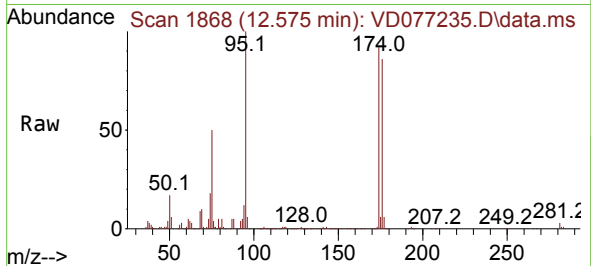




#76
1,2,3-Trichloropropane
Concen: 58.947 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 157214
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.574 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077235.D
Acq: 28 Sep 2023 17:50

Tgt Ion: 75 Resp: 157214
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

