

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080227.D
 Acq On : 03 Feb 2025 15:12
 Operator : RP/MD
 Sample : VD0203SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 04 02:09:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 02:06:21 2025
 Response via : Initial Calibration

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

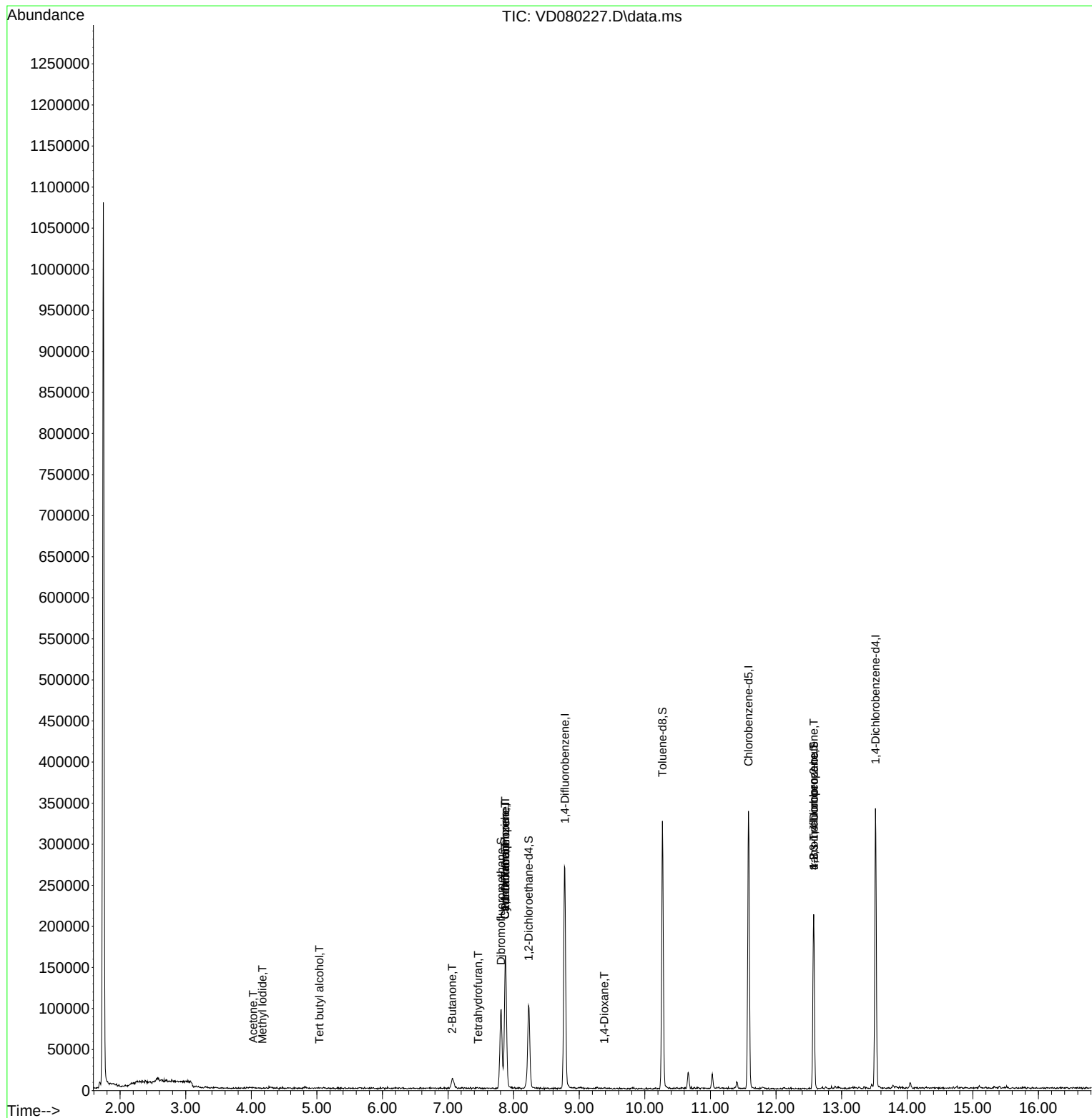
Internal Standards						
1) Pentafluorobenzene	7.875	168	122282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	230185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	189230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79396	49.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.820%
35) Dibromofluoromethane	7.810	113	68009	41.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.380%
50) Toluene-d8	10.269	98	214944	35.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.060%
62) 4-Bromofluorobenzene	12.575	95	61792	31.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.660%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	339	Below Cal	#	43
5) Bromomethane	2.705	94	1621	Below Cal	#	75
10) Methyl Iodide	4.169	142	438	4.519	ug/l #	40
11) Tert butyl alcohol	5.040	59	259	2.948	ug/l #	75
16) Acetone	4.028	43	1270	4.954	ug/l	90
25) 2-Butanone	7.063	43	567	1.426	ug/l #	50
29) Tetrahydrofuran	7.457	42	382	1.467	ug/l #	70
31) Cyclohexane	7.869	56	3533	1.499	ug/l #	40
36) 1,1-Dichloropropene	7.875	75	10323	4.418	ug/l #	50
38) Carbon Tetrachloride	7.869	117	11631	4.765	ug/l #	15
49) 1,4-Dioxane	9.381	88	61	5.463	ug/l #	23
76) 1,2,3-Trichloropropane	12.575	75	31482	35.479	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	31482	72.360	ug/l #	15
95) Naphthalene	15.333	128	1953	Below Cal	#	68

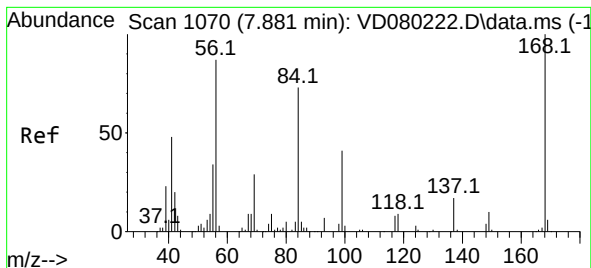
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 04 02:06:21 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

Instrument :

MSVOA_D

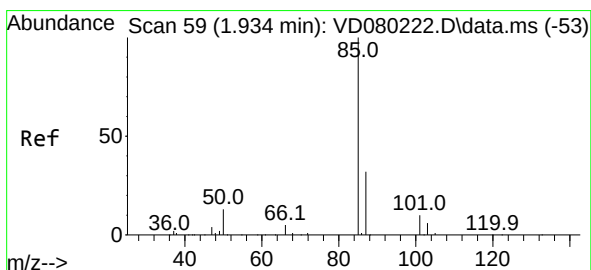
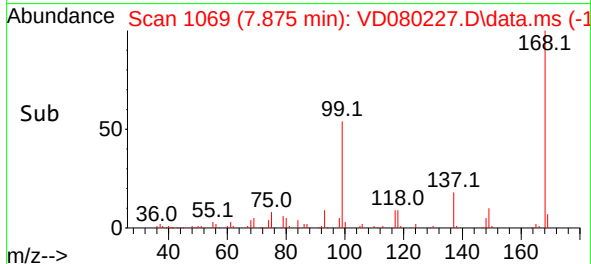
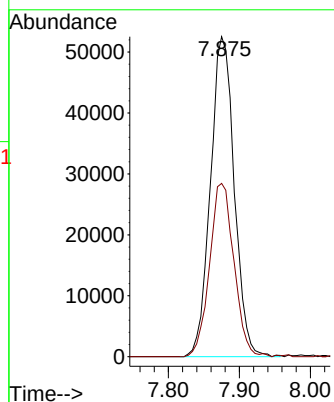
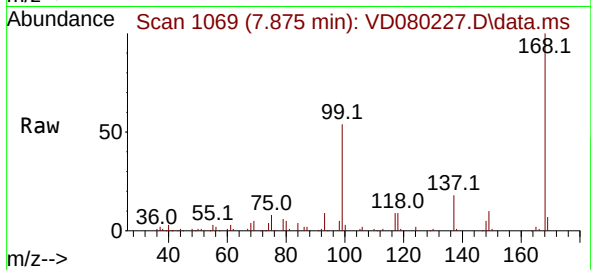
ClientSampleId :

Tgt Ion:168 Resp: 122282

Ion Ratio Lower Upper

168 100

99 54.1 44.4 66.6



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD080227.D

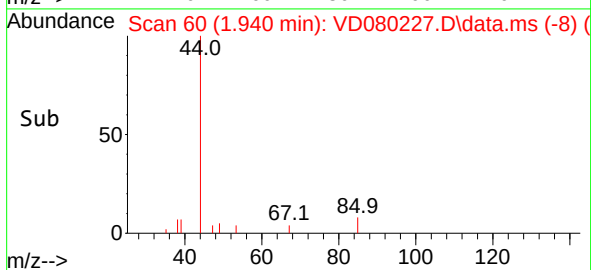
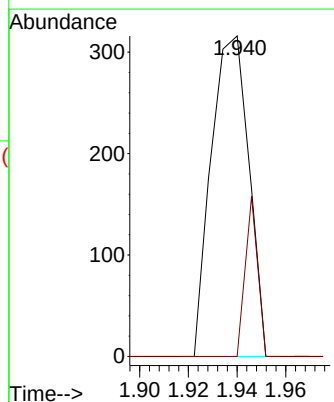
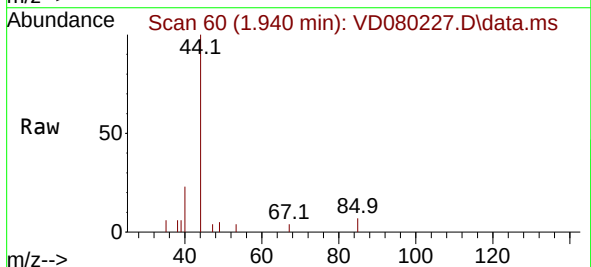
Acq: 03 Feb 2025 15:12

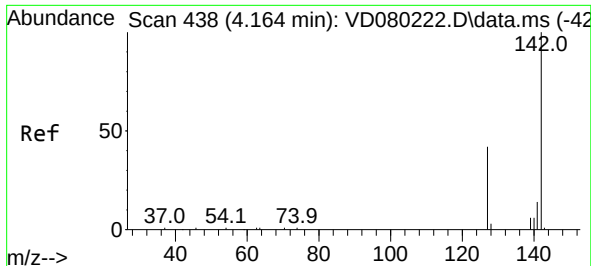
Tgt Ion: 85 Resp: 339

Ion Ratio Lower Upper

85 100

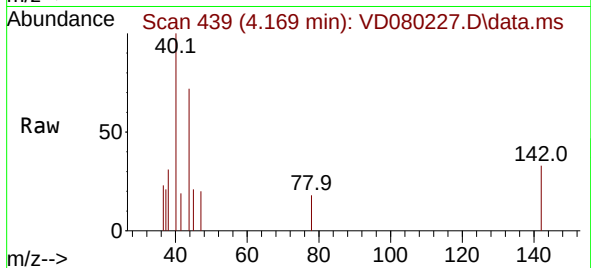
87 0.0 16.0 47.9#



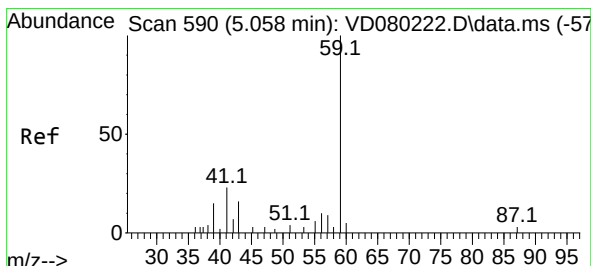
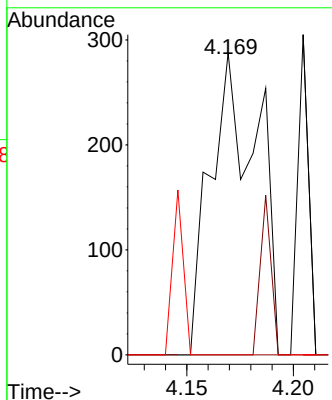
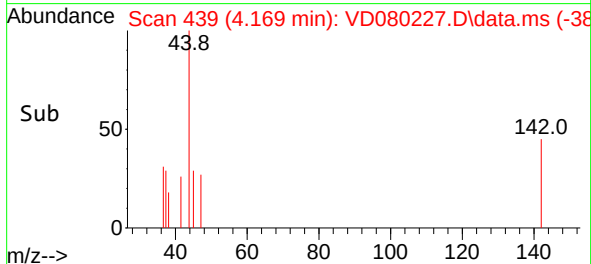


#10
Methyl Iodide
Concen: 4.519 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Instrument :
MSVOA_D
ClientSampleId :

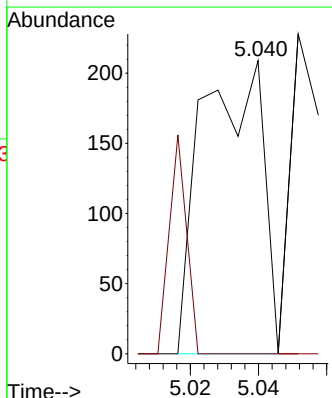
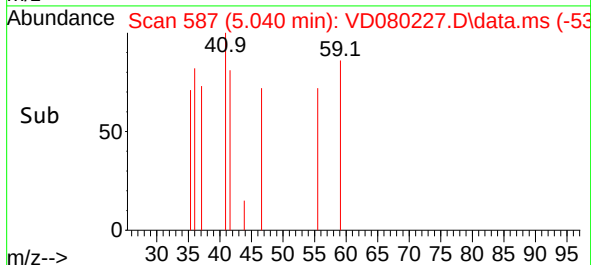
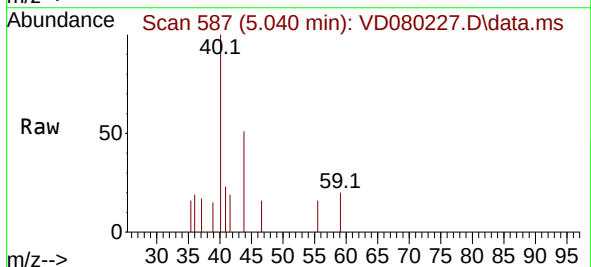


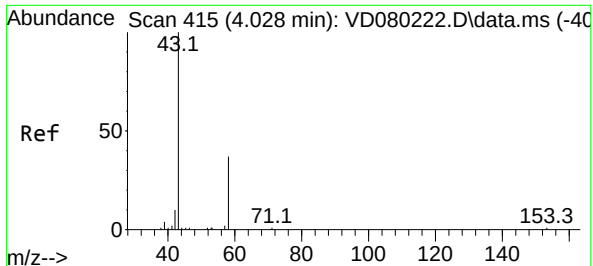
Tgt Ion:142 Resp: 438
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 2.948 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.018 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

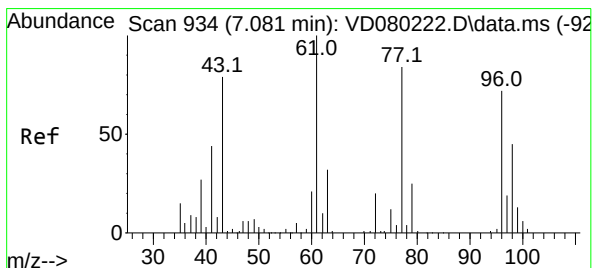
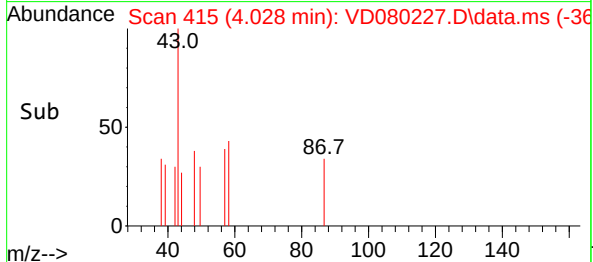
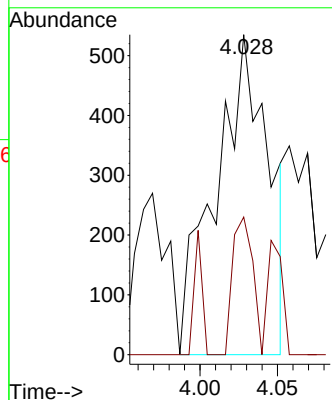
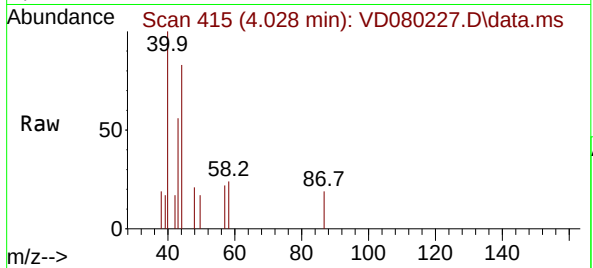




#16
Acetone
Concen: 4.954 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.000 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

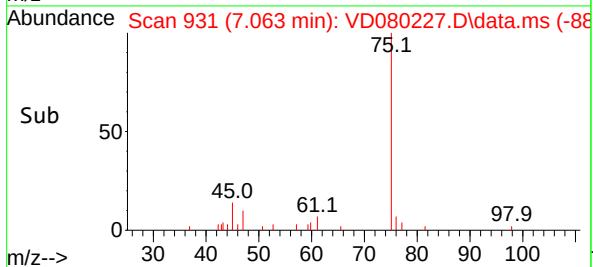
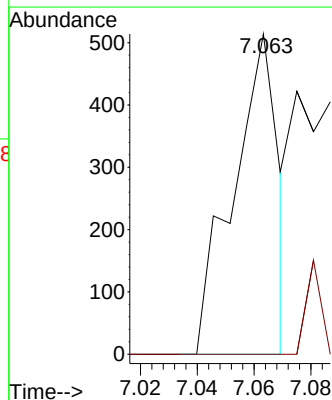
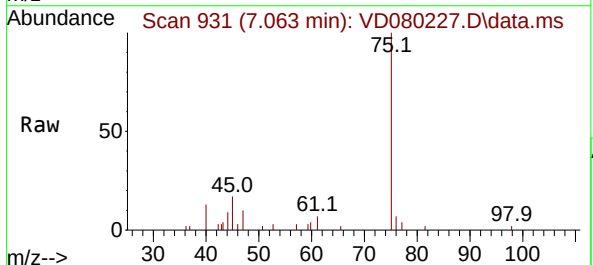
Instrument :
MSVOA_D
ClientSampleId :

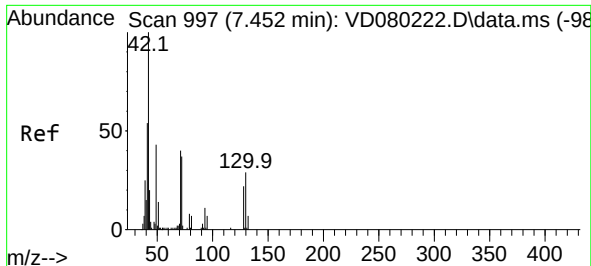
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
58 43.0 29.5 44.3



#25
2-Butanone
Concen: 1.426 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#29

Tetrahydrofuran

Concen: 1.467 ug/l

RT: 7.457 min Scan# 997

Delta R.T. 0.006 min

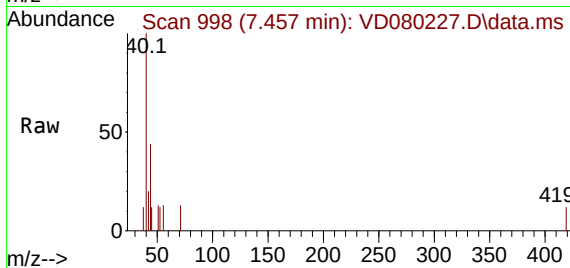
Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

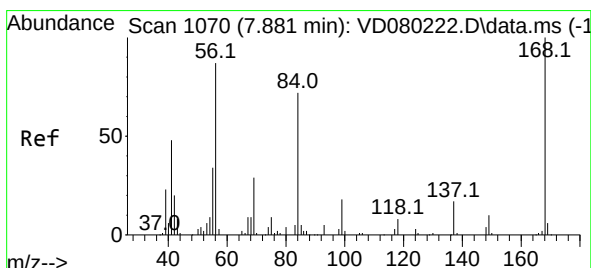
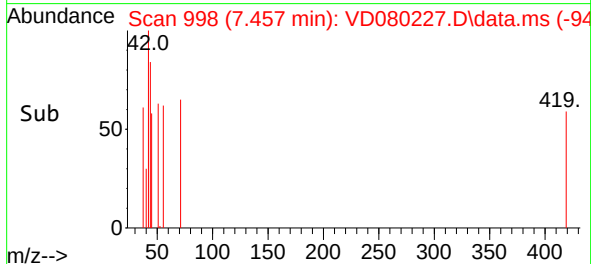
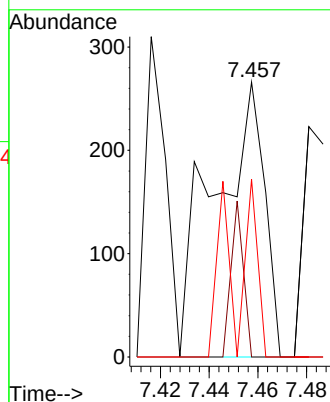
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 382
Ion Ratio	Lower Upper
42 100	
72 13.9	33.5 50.3#
71 31.7	32.9 49.3#



#31

Cyclohexane

Concen: 1.499 ug/l

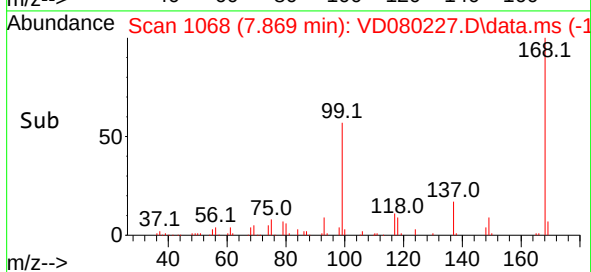
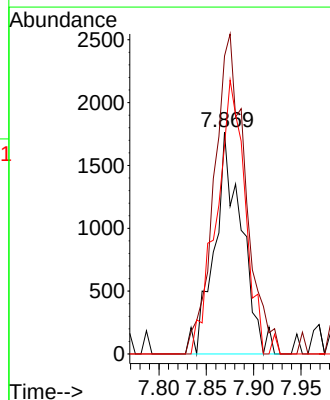
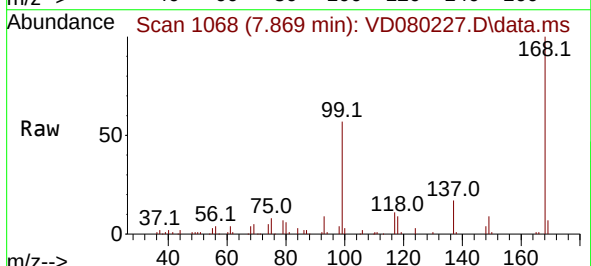
RT: 7.869 min Scan# 1068

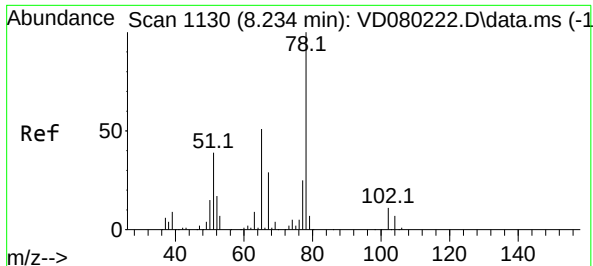
Delta R.T. -0.012 min

Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

Tgt Ion: 56	Resp: 3533
Ion Ratio	Lower Upper
56 100	
69 134.4	27.0 40.4#
84 94.0	66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 49.914 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

Instrument :

MSVOA_D

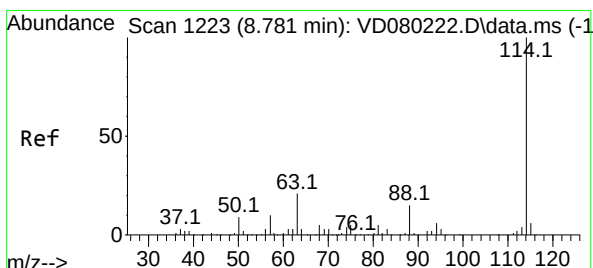
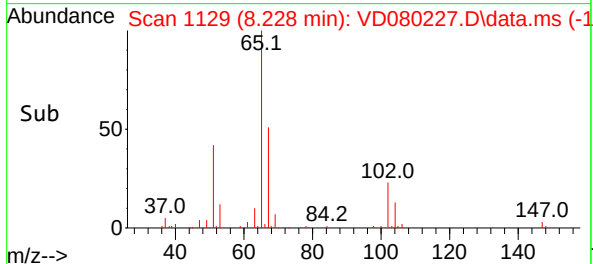
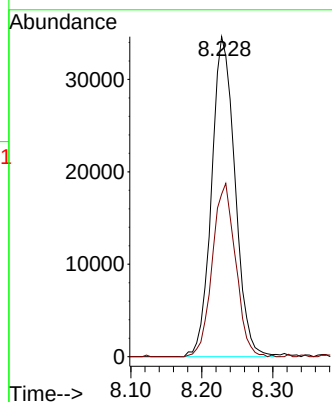
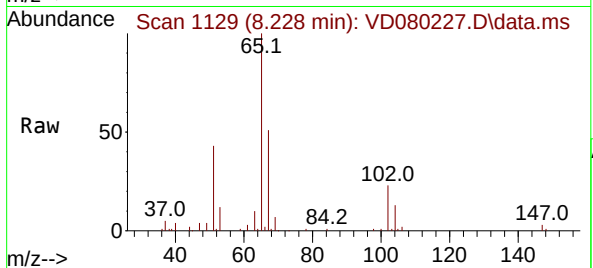
ClientSampleId :

Tgt Ion: 65 Resp: 79396

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

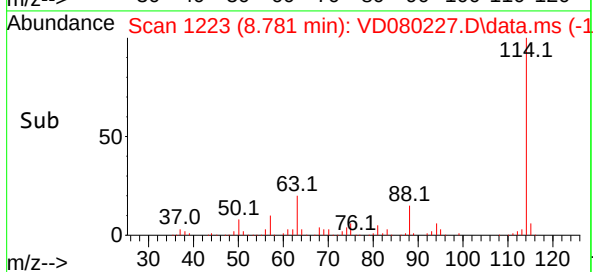
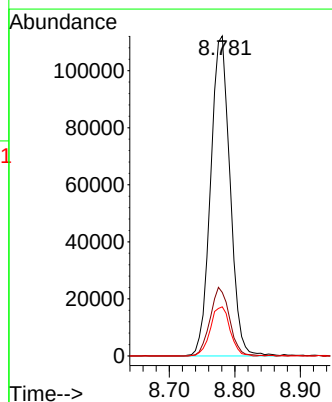
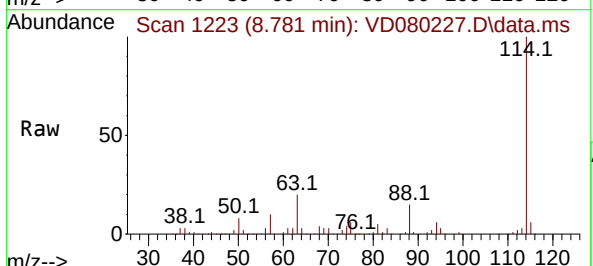
Tgt Ion: 114 Resp: 230185

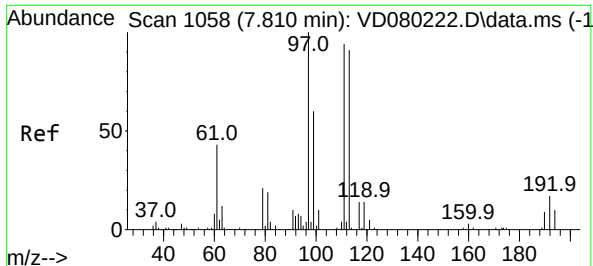
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.8

88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 41.688 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

Instrument :

MSVOA_D

ClientSampleId :

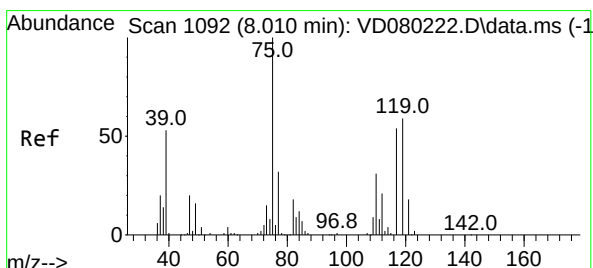
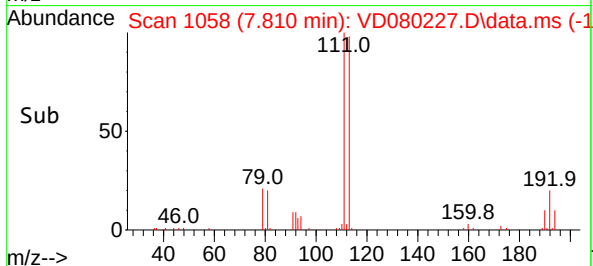
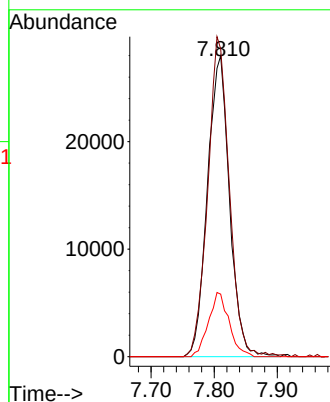
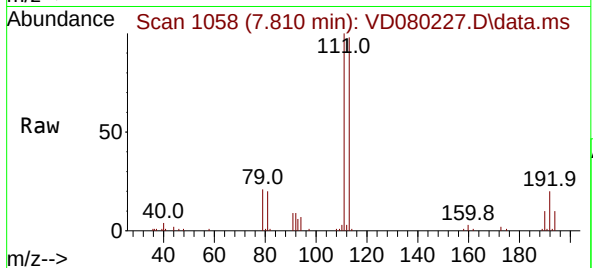
Tgt Ion:113 Resp: 68009

Ion Ratio Lower Upper

113 100

111 103.3 85.0 127.4

192 19.9 15.5 23.3



#36

1,1-Dichloropropene

Concen: 4.418 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD080227.D

Acq: 03 Feb 2025 15:12

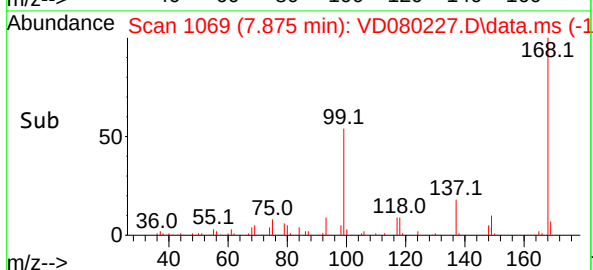
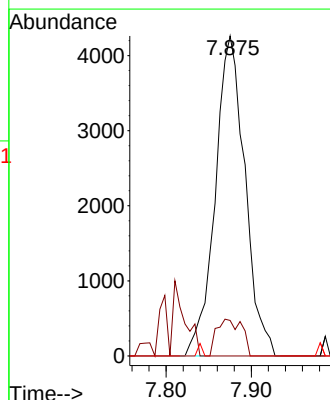
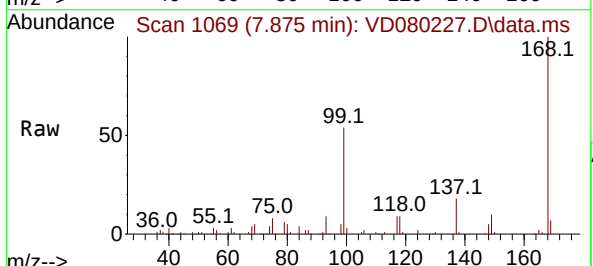
Tgt Ion: 75 Resp: 10323

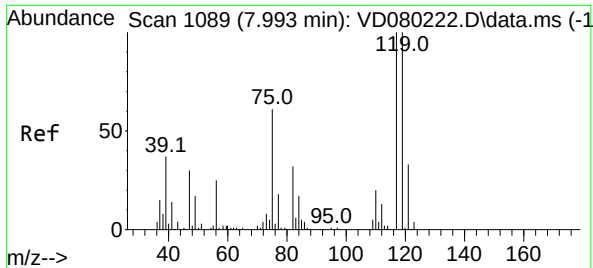
Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

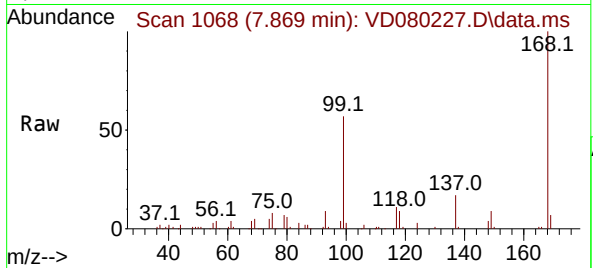
77 0.0 25.6 38.4#



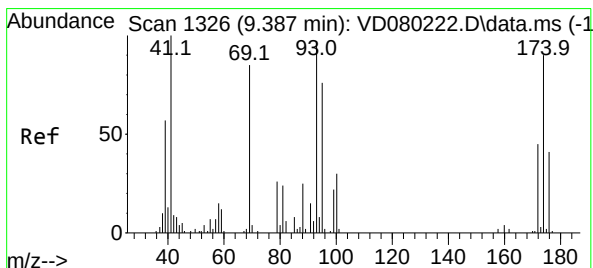
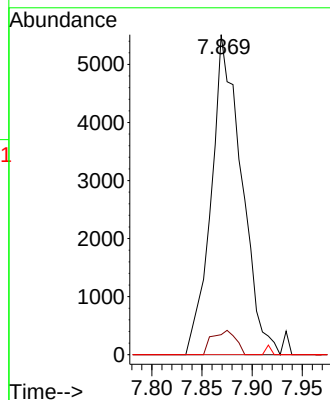
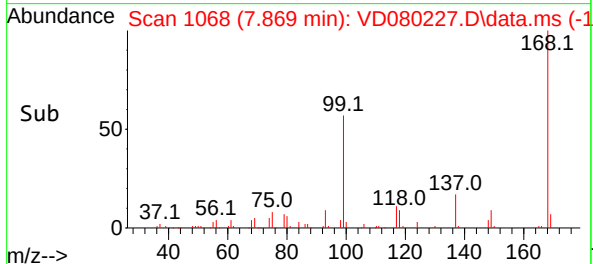


#38
Carbon Tetrachloride
Concen: 4.765 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Instrument :
MSVOA_D
ClientSampleId :

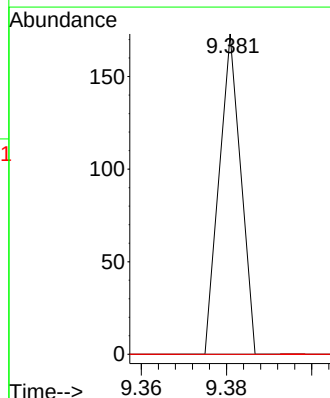
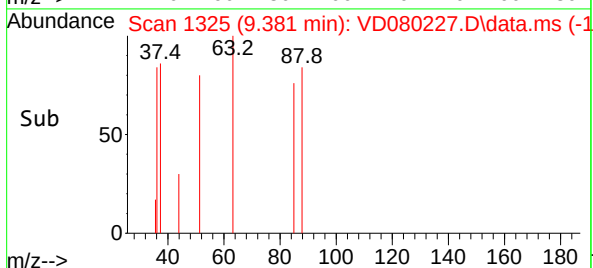
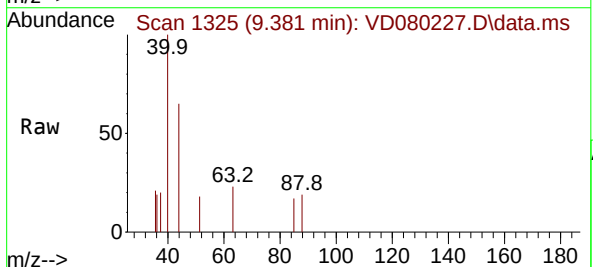


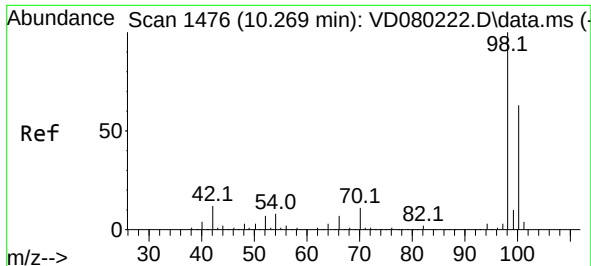
Tgt Ion:117 Resp: 11631
Ion Ratio Lower Upper
117 100
119 6.2 79.8 119.6#
121 0.0 26.6 39.8#



#49
1,4-Dioxane
Concen: 5.463 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.006 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 0.0 56.3 84.5#

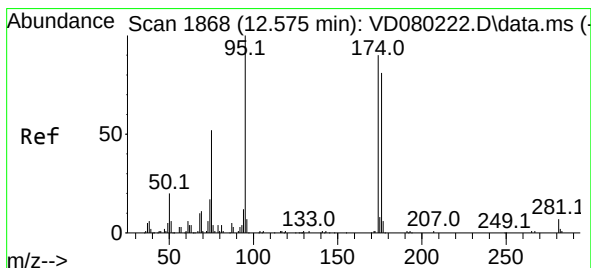
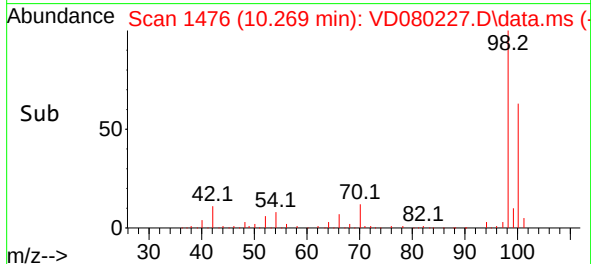
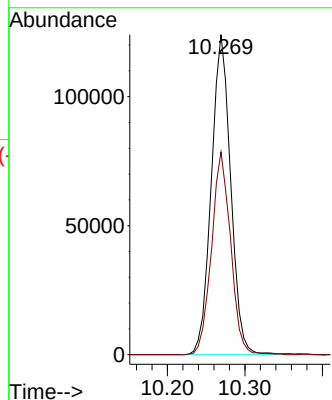
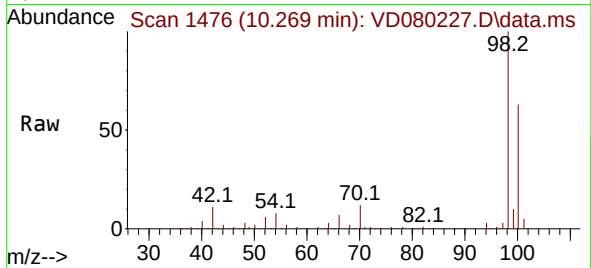




#50
Toluene-d8
Concen: 35.529 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

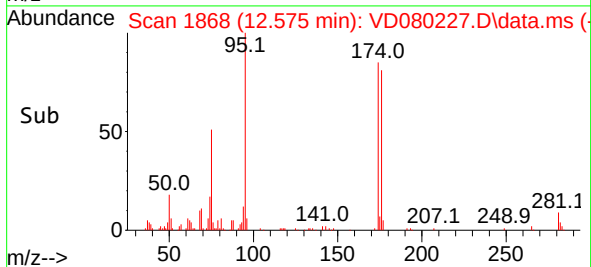
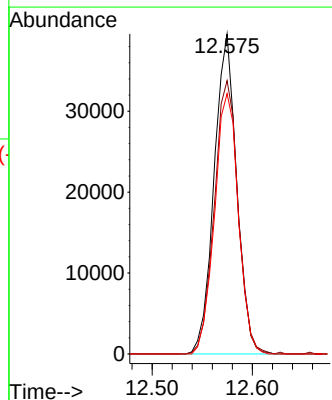
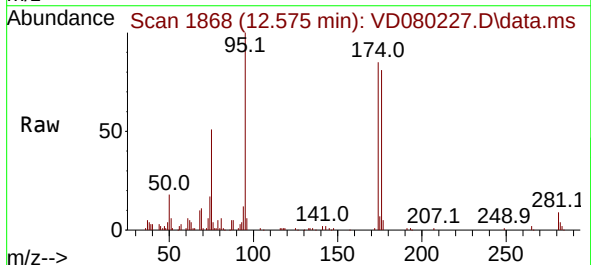
Instrument :
MSVOA_D
ClientSampleId :

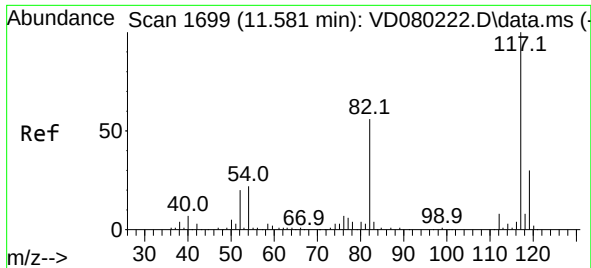
Tgt Ion: 98 Resp: 214944
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 31.832 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Tgt Ion: 95 Resp: 61792
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.8
176 85.7 0.0 159.6

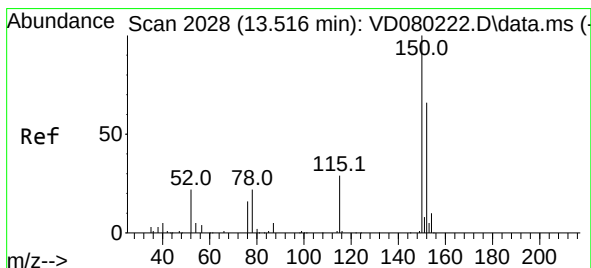
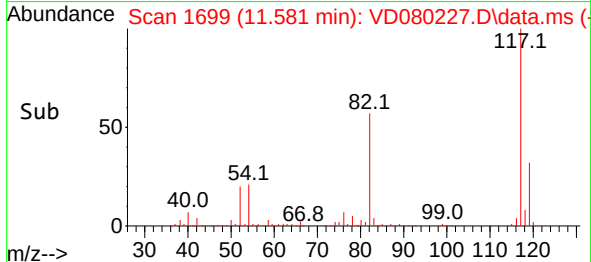
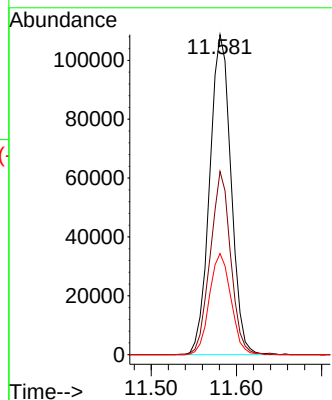
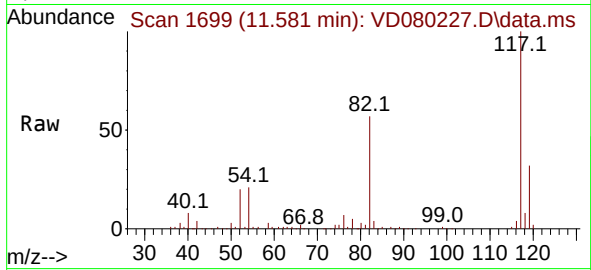




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

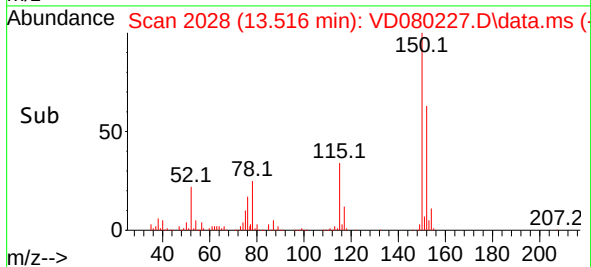
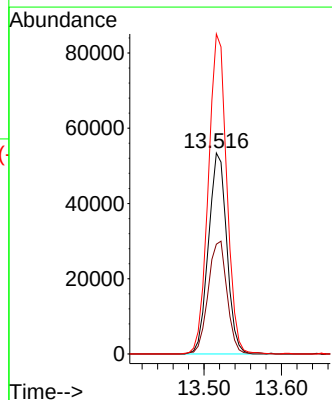
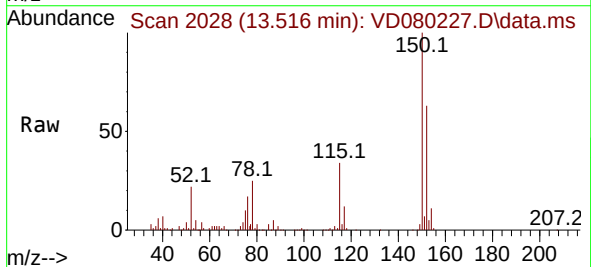
Instrument :
MSVOA_D
ClientSampleId :

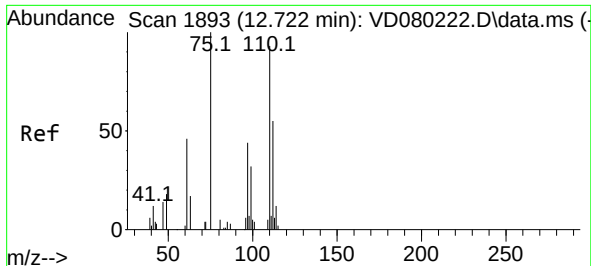
Tgt Ion:117 Resp: 189230
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.6
119 31.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Tgt Ion:152 Resp: 87953
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.1
150 159.6 0.0 350.4

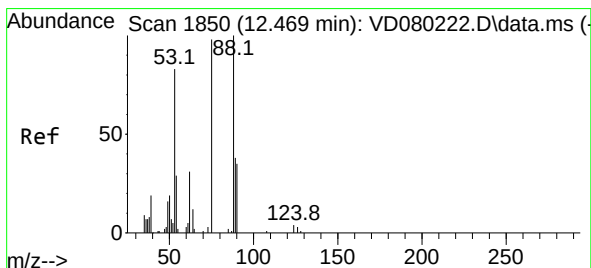
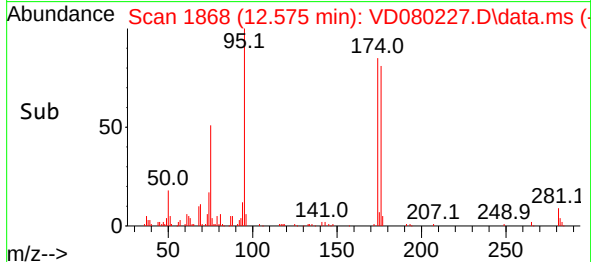
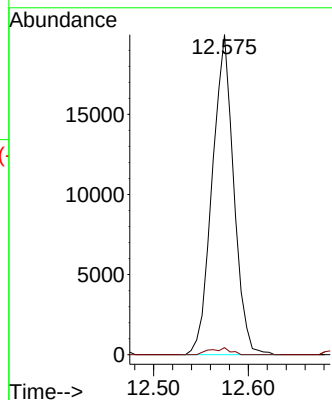
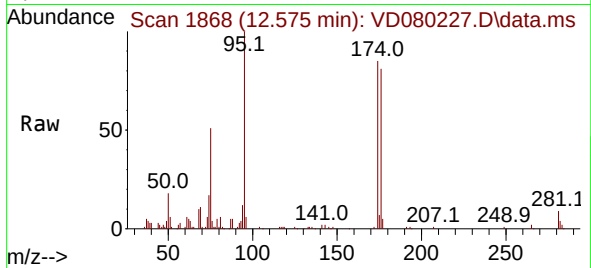




#76
1,2,3-Trichloropropane
Concen: 35.479 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 31482
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.360 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD080227.D
Acq: 03 Feb 2025 15:12

Tgt Ion: 75 Resp: 31482
Ion Ratio Lower Upper
75 100
53 0.3 69.1 103.7#
89 0.0 36.5 54.7#

