

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077939.D
 Acq On : 16 Dec 2023 17:40
 Operator : RP/MD
 Sample : 05853-05
 Misc : 4.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 02:01:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

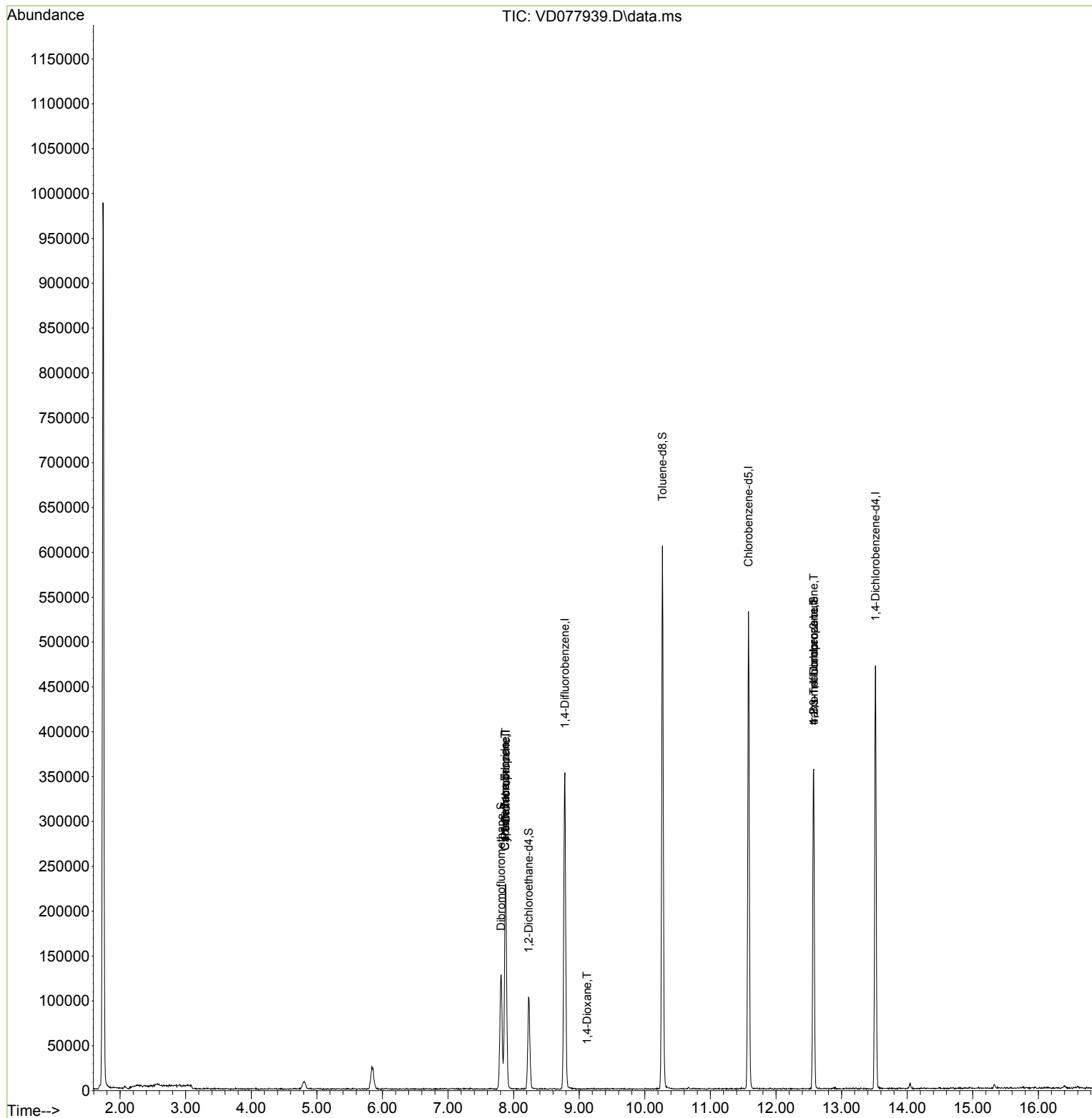
Internal Standards						
1) Pentafluorobenzene	7.875	168	177101	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	316763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	297916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	125898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80570	38.608	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.220%		
35) Dibromofluoromethane	7.810	113	94561	42.618	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.240%		
50) Toluene-d8	10.269	98	404334	45.499	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.000%		
62) 4-Bromofluorobenzene	12.575	95	110762	41.689	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.380%		
Target Compounds						
11) Tert butyl alcohol	4.993	59	55	Below Cal	#	73
16) Acetone	4.028	43	200	Below Cal	#	50
20) Methylene Chloride	4.799	84	6858	Below Cal	#	81
25) 2-Butanone	7.081	43	82	Below Cal	#	37
31) Cyclohexane	7.869	56	4147	1.117	ug/l	# 24
36) 1,1-Dichloropropene	7.881	75	15013	4.230	ug/l	# 48
38) Carbon Tetrachloride	7.869	117	18401	5.201	ug/l	# 15
49) 1,4-Dioxane	9.122	88	57	4.430	ug/l	# 16
76) 1,2,3-Trichloropropane	12.575	75	59137	54.084	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	59137	109.578	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	64	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.234	75	71	Below Cal	#	1

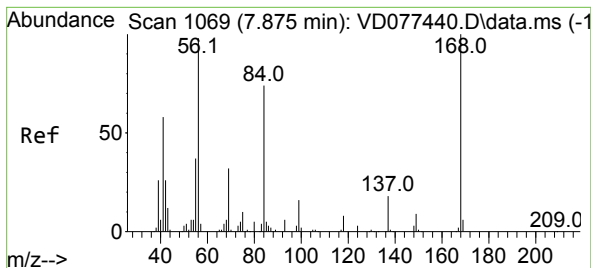
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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: VD077939.D

Acq: 16 Dec 2023 17:40

Instrument :

MSVOA_D

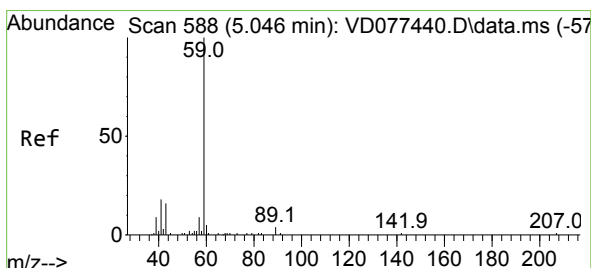
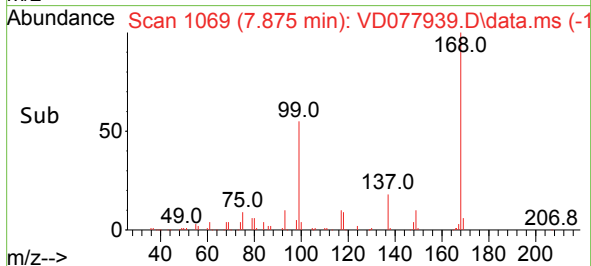
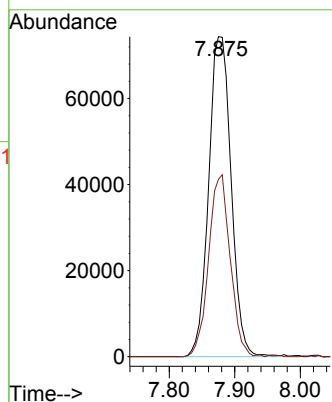
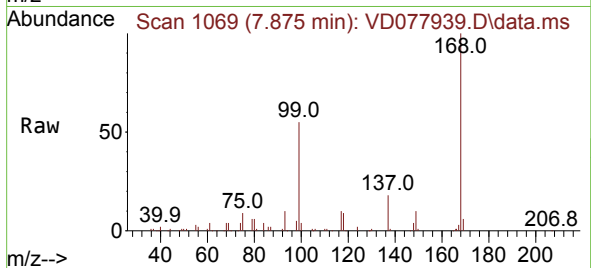
ClientSampleId :

Tgt Ion:168 Resp: 177101

Ion Ratio Lower Upper

168 100

99 55.4 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.993 min Scan# 579

Delta R.T. -0.053 min

Lab File: VD077939.D

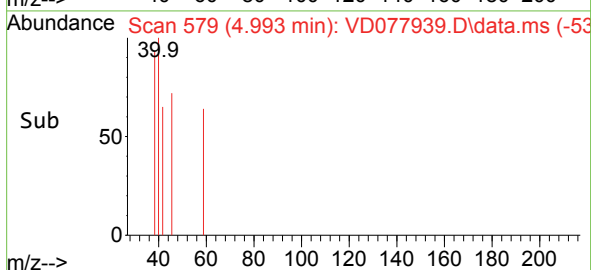
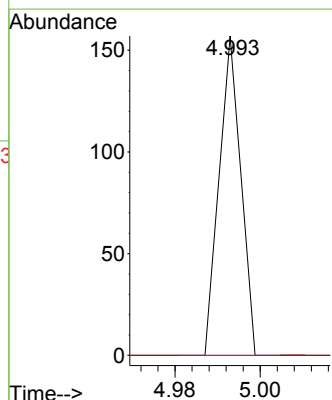
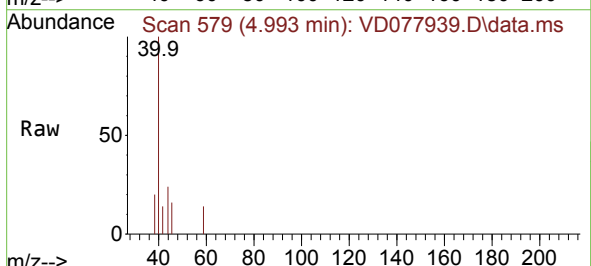
Acq: 16 Dec 2023 17:40

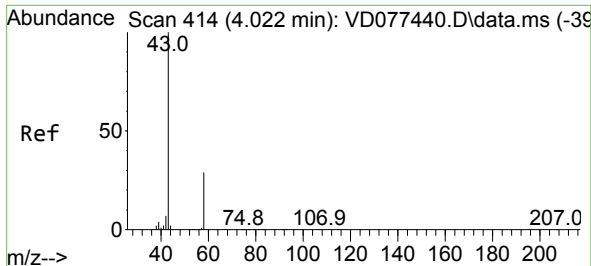
Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077939.D

Acq: 16 Dec 2023 17:40

Instrument :

MSVOA_D

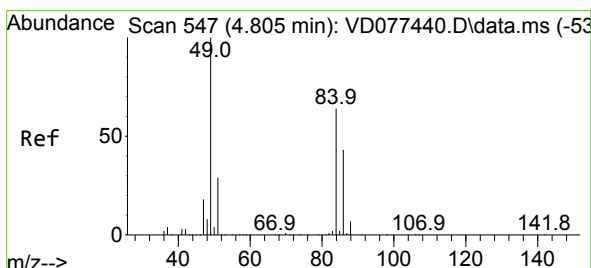
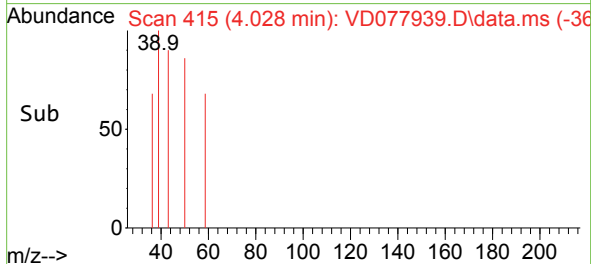
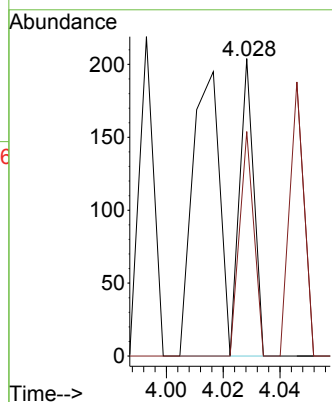
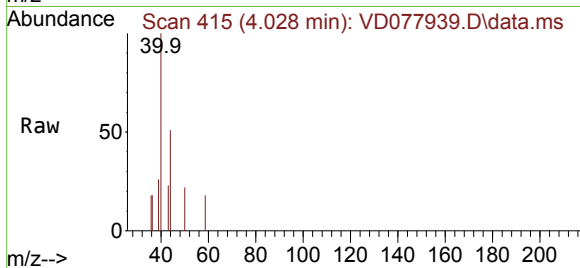
ClientSampleId :

Tgt Ion: 43 Resp: 200

Ion Ratio Lower Upper

43 100

58 75.5 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD077939.D

Acq: 16 Dec 2023 17:40

Tgt Ion: 84 Resp: 6858

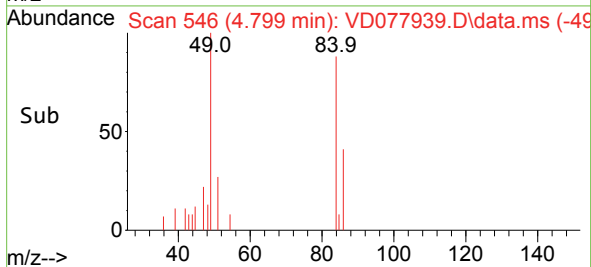
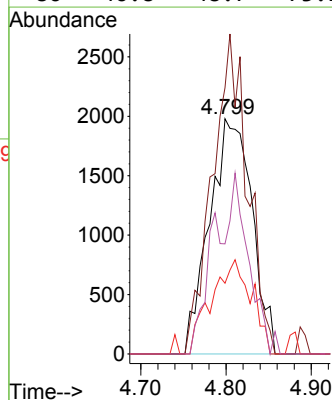
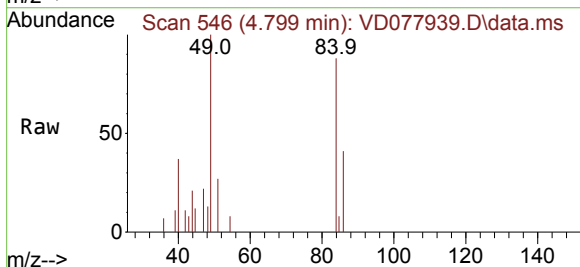
Ion Ratio Lower Upper

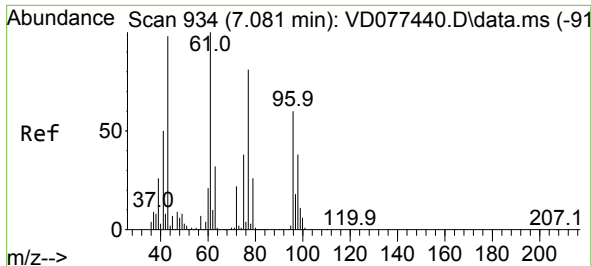
84 100

49 113.1 71.4 107.2#

51 30.1 24.5 36.7

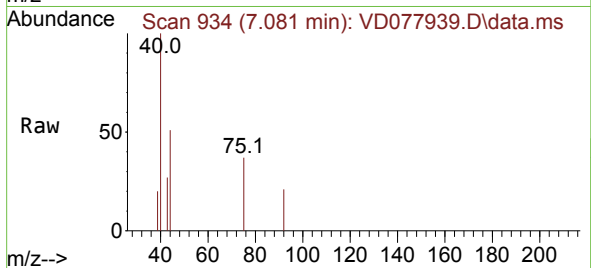
86 46.8 48.7 73.1#



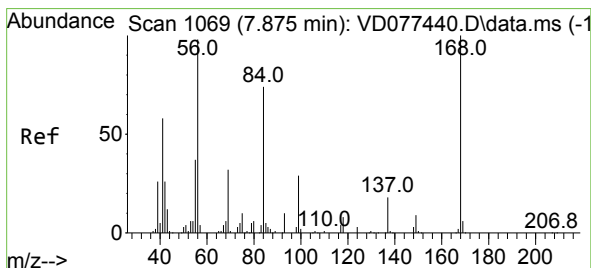
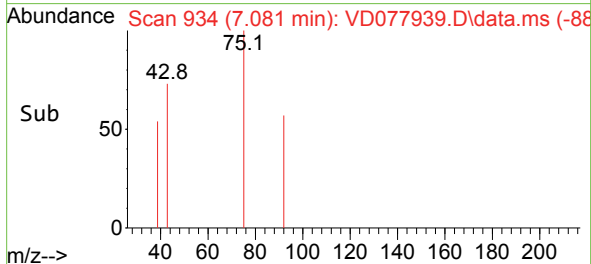
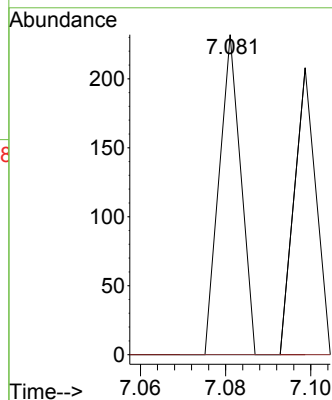


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

Instrument :
MSVOA_D
ClientSampleId :

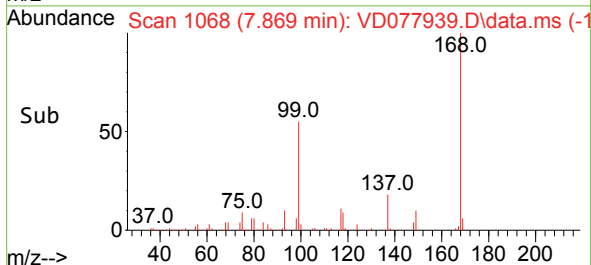
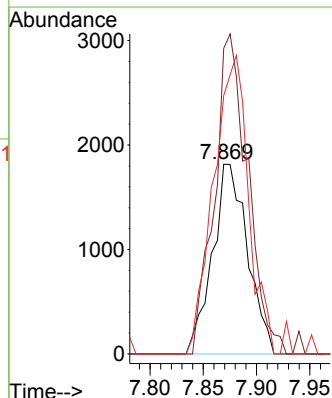
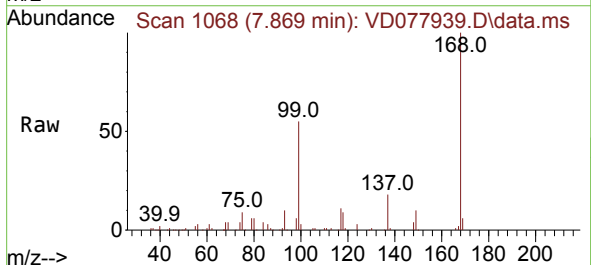


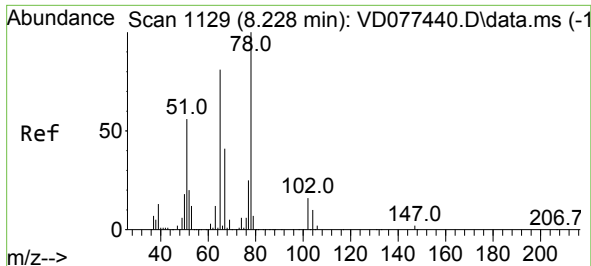
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

Tgt Ion: 56 Resp: 4147
Ion Ratio Lower Upper
56 100
69 161.1 28.6 43.0#
84 136.2 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 38.608 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077939.D

Acq: 16 Dec 2023 17:40

Instrument :

MSVOA_D

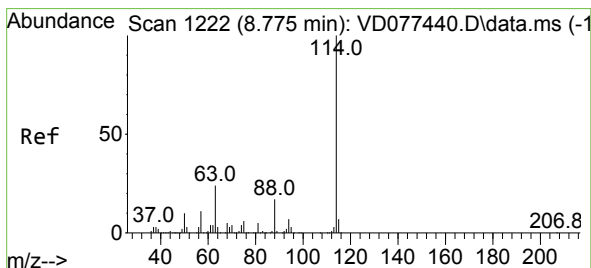
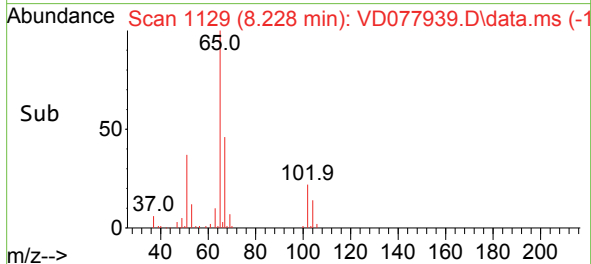
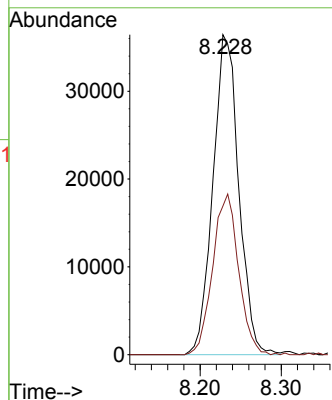
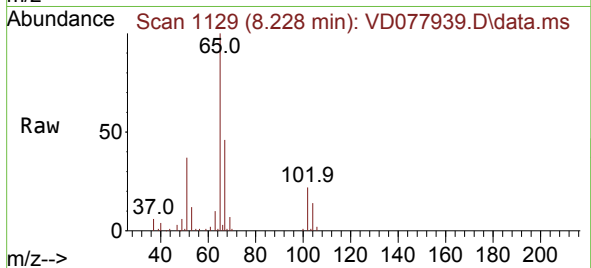
ClientSampleId :

Tgt Ion: 65 Resp: 80570

Ion Ratio Lower Upper

65 100

67 50.4 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: VD077939.D

Acq: 16 Dec 2023 17:40

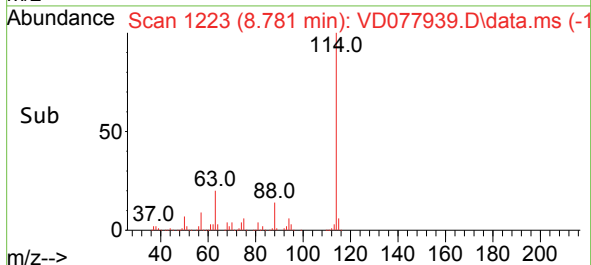
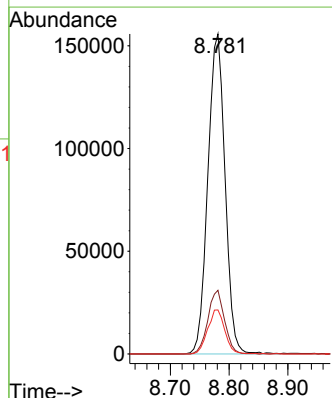
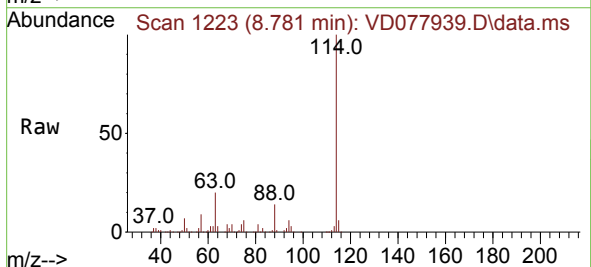
Tgt Ion: 114 Resp: 316763

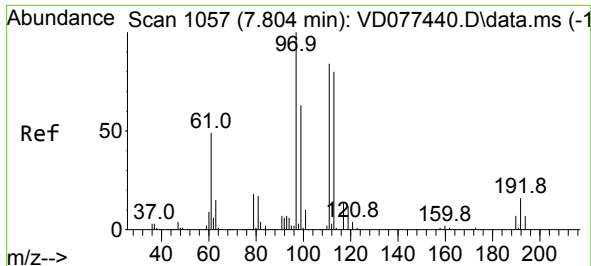
Ion Ratio Lower Upper

114 100

63 19.9 0.0 33.4

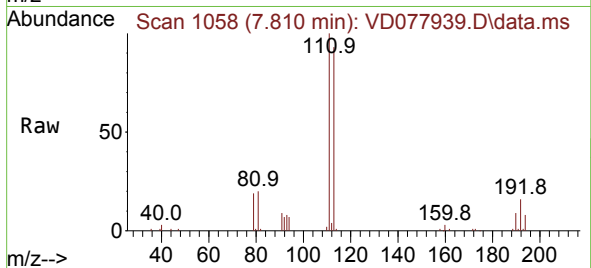
88 13.8 0.0 26.2



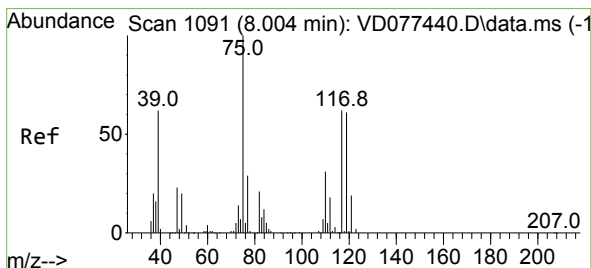
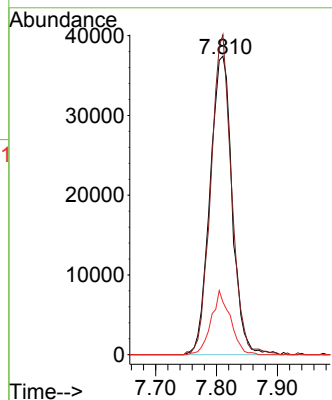
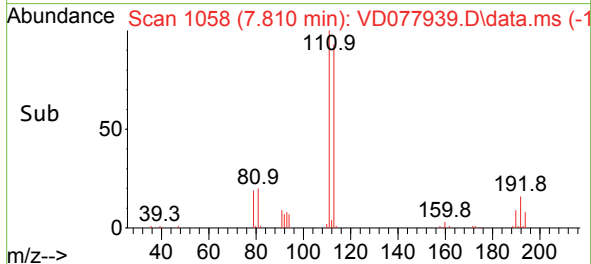


#35
Dibromofluoromethane
Concen: 42.618 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

Instrument :
MSVOA_D
ClientSampleId :

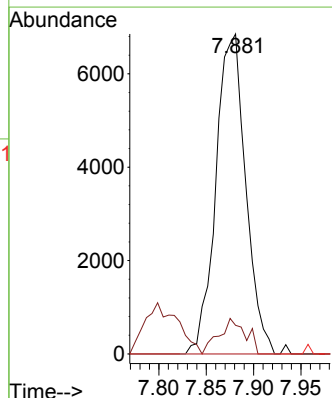
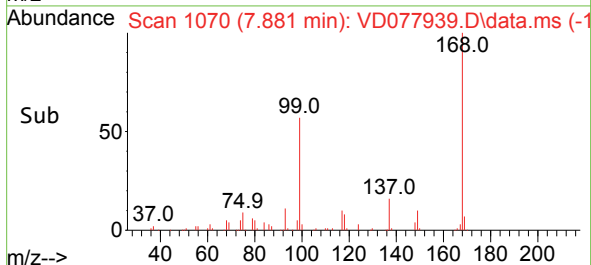
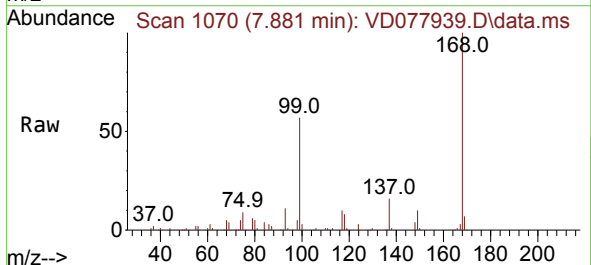


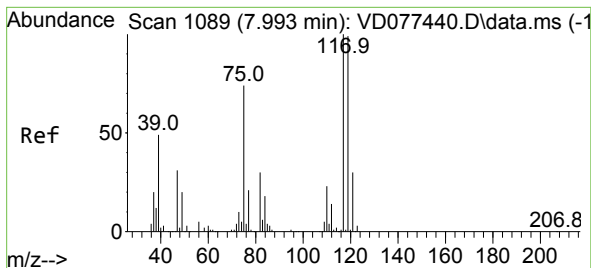
Tgt Ion:113 Resp: 94561
Ion Ratio Lower Upper
113 100
111 100.5 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.230 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

Tgt Ion: 75 Resp: 15013
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.201 ug/l

RT: 7.869 min Scan# 117

Delta R.T. -0.124 min

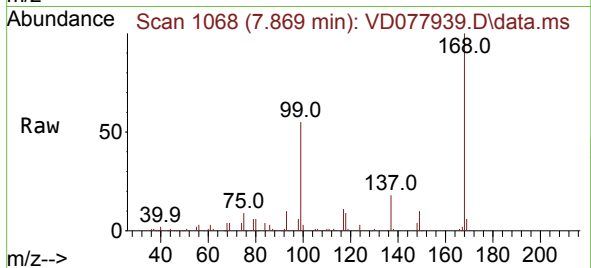
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Acq: 16 Dec 2023 17:40

Instrument :

MSVOA_D

ClientSampleId :



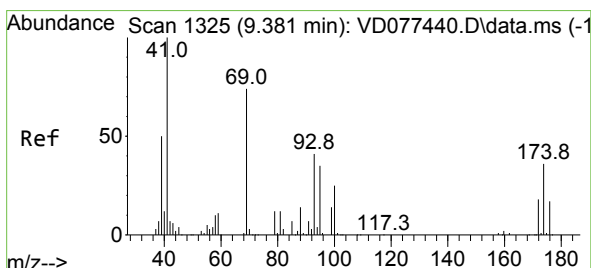
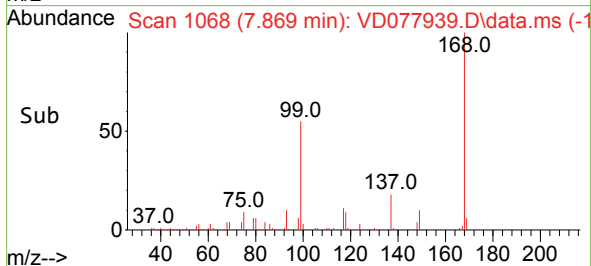
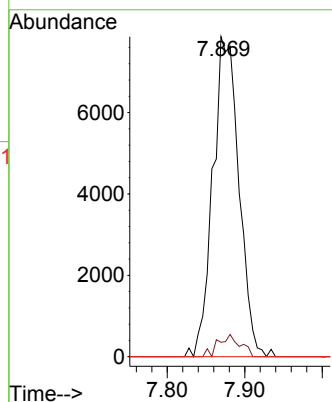
Tgt Ion:117 Resp: 18401

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 4.430 ug/l

RT: 9.122 min Scan# 1281

Delta R.T. -0.259 min

Lab File: VD077939.D

Acq: 16 Dec 2023 17:40

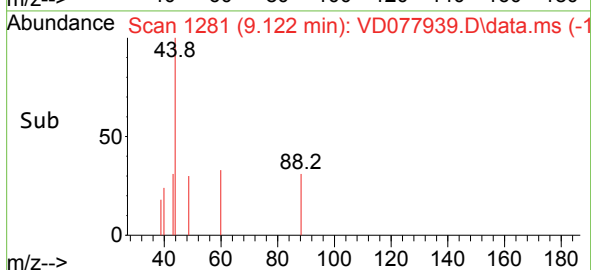
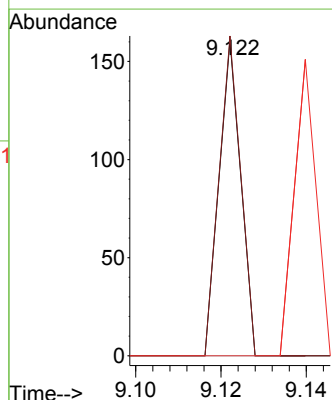
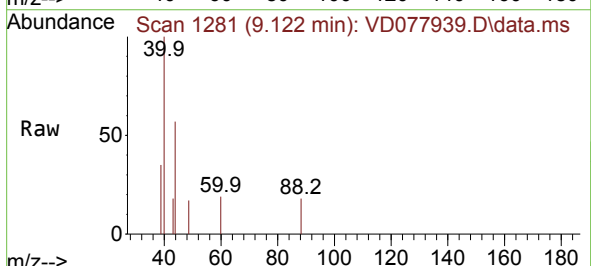
Tgt Ion: 88 Resp: 57

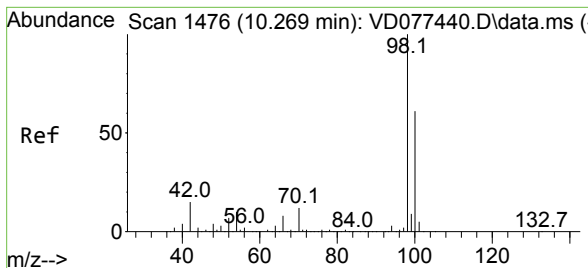
Ion Ratio Lower Upper

88 100

43 100.0 19.0 28.6#

58 93.0 43.5 65.3#

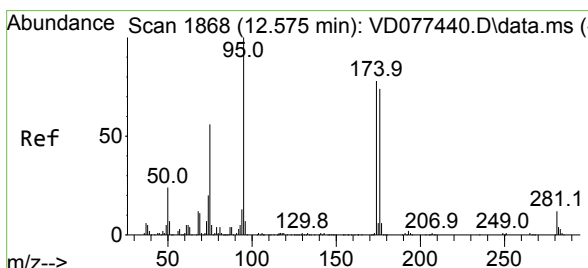
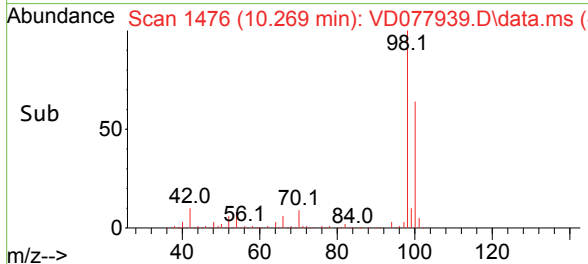
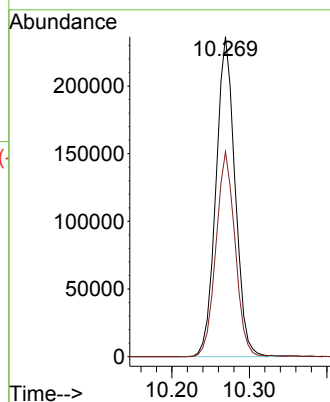
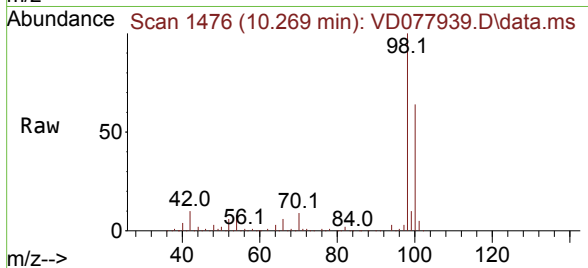




#50
Toluene-d8
Concen: 45.499 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

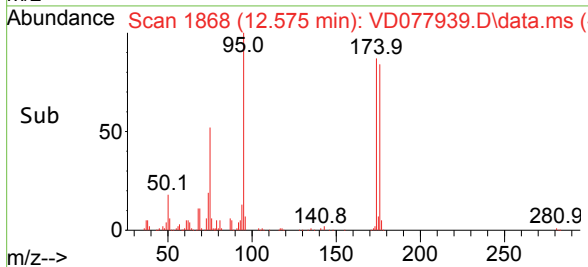
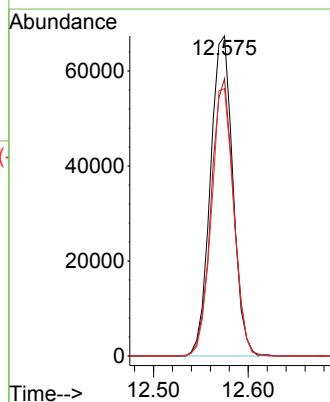
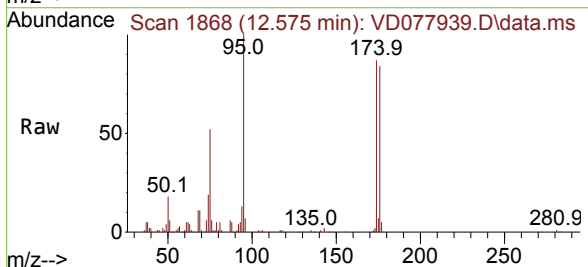
Instrument :
MSVOA_D
ClientSampleId :

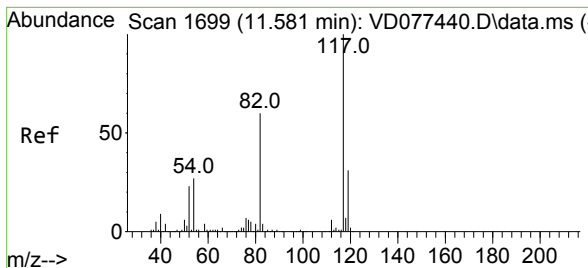
Tgt Ion: 98 Resp: 404334
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.689 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

Tgt Ion: 95 Resp: 110762
Ion Ratio Lower Upper
95 100
174 86.6 0.0 201.8
176 83.5 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: VD077939.D

Acq: 16 Dec 2023 17:40

Instrument :

MSVOA_D

ClientSampleId :

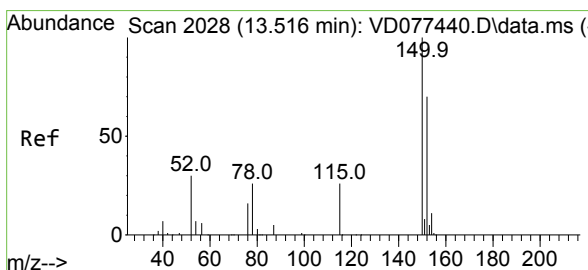
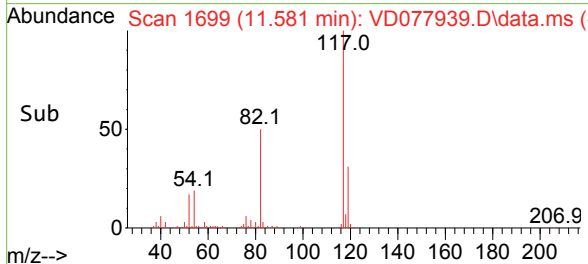
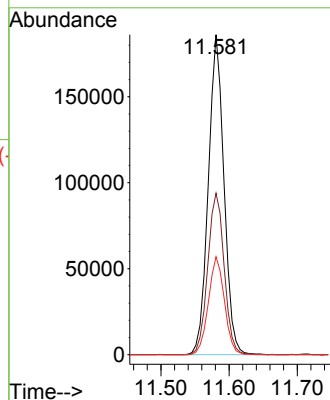
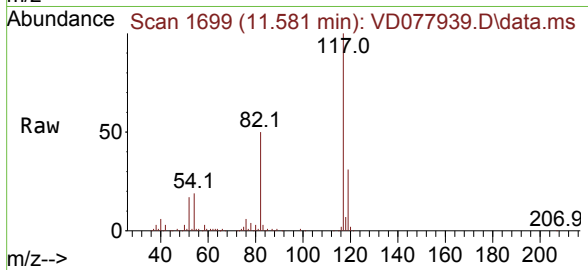
Tgt Ion:117 Resp: 297916

Ion Ratio Lower Upper

117 100

82 50.4 38.3 57.5

119 30.6 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077939.D

Acq: 16 Dec 2023 17:40

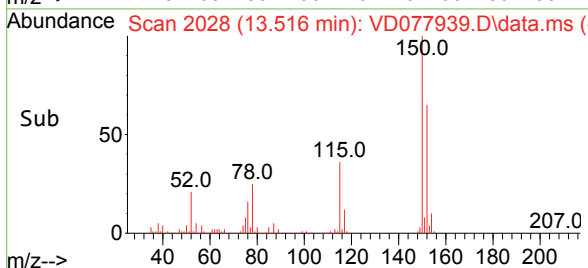
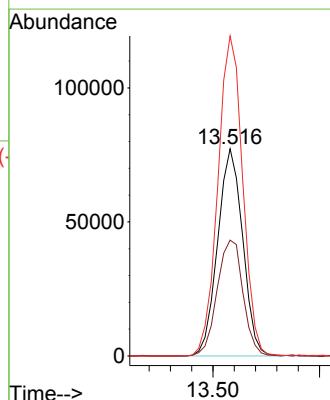
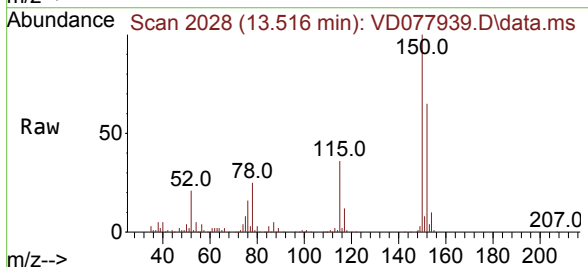
Tgt Ion:152 Resp: 125898

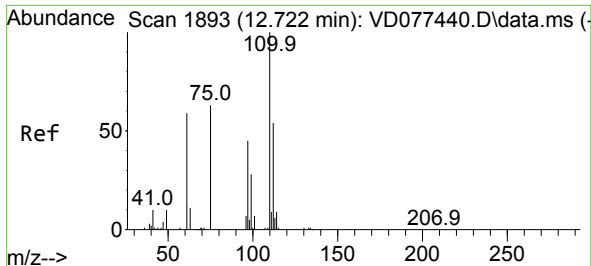
Ion Ratio Lower Upper

152 100

115 57.8 27.1 81.3

150 153.2 0.0 353.6

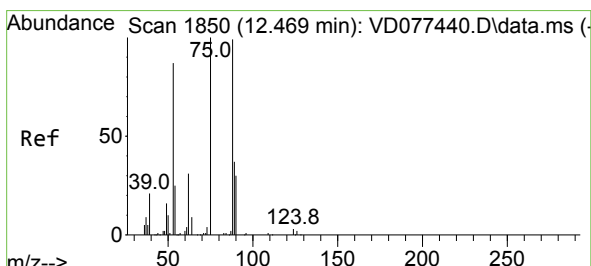
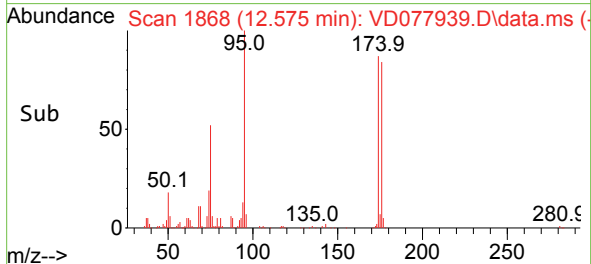
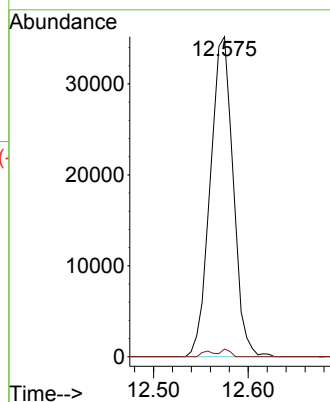
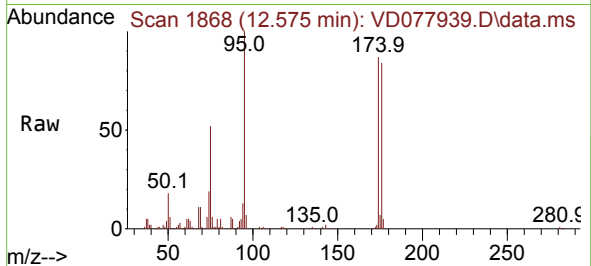




#76
1,2,3-Trichloropropane
Concen: 54.084 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

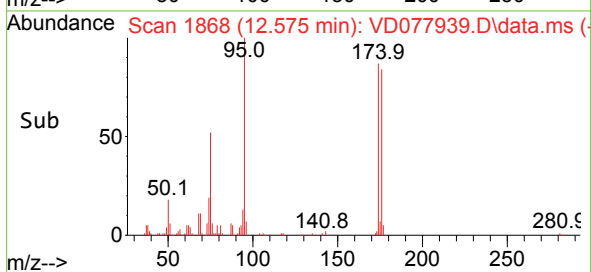
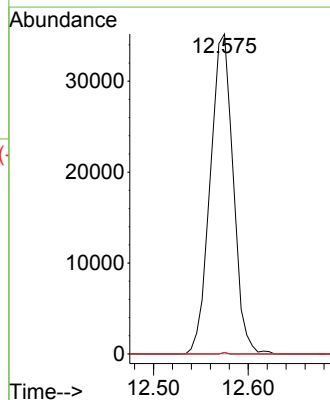
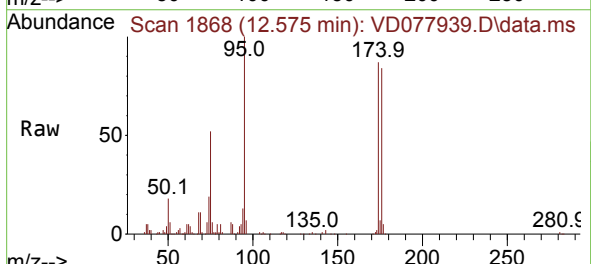
Instrument :
MSVOA_D
ClientSampleId :

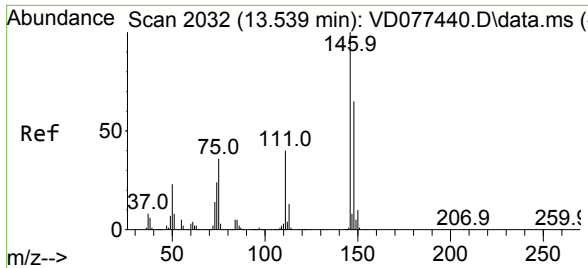
Tgt Ion: 75 Resp: 59137
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.578 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077939.D
Acq: 16 Dec 2023 17:40

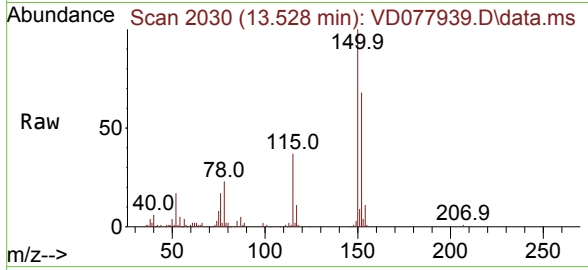
Tgt Ion: 75 Resp: 59137
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: VD077939.D
 Acq: 16 Dec 2023 17:40

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	64
Ion Ratio	Lower	Upper	
146	100		
111	2507.8	17.4	52.3#
148	1654.7	31.7	95.1#

