

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077900.D
 Acq On : 15 Dec 2023 13:41
 Operator : RP/MD
 Sample : 05611-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:00:51 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)

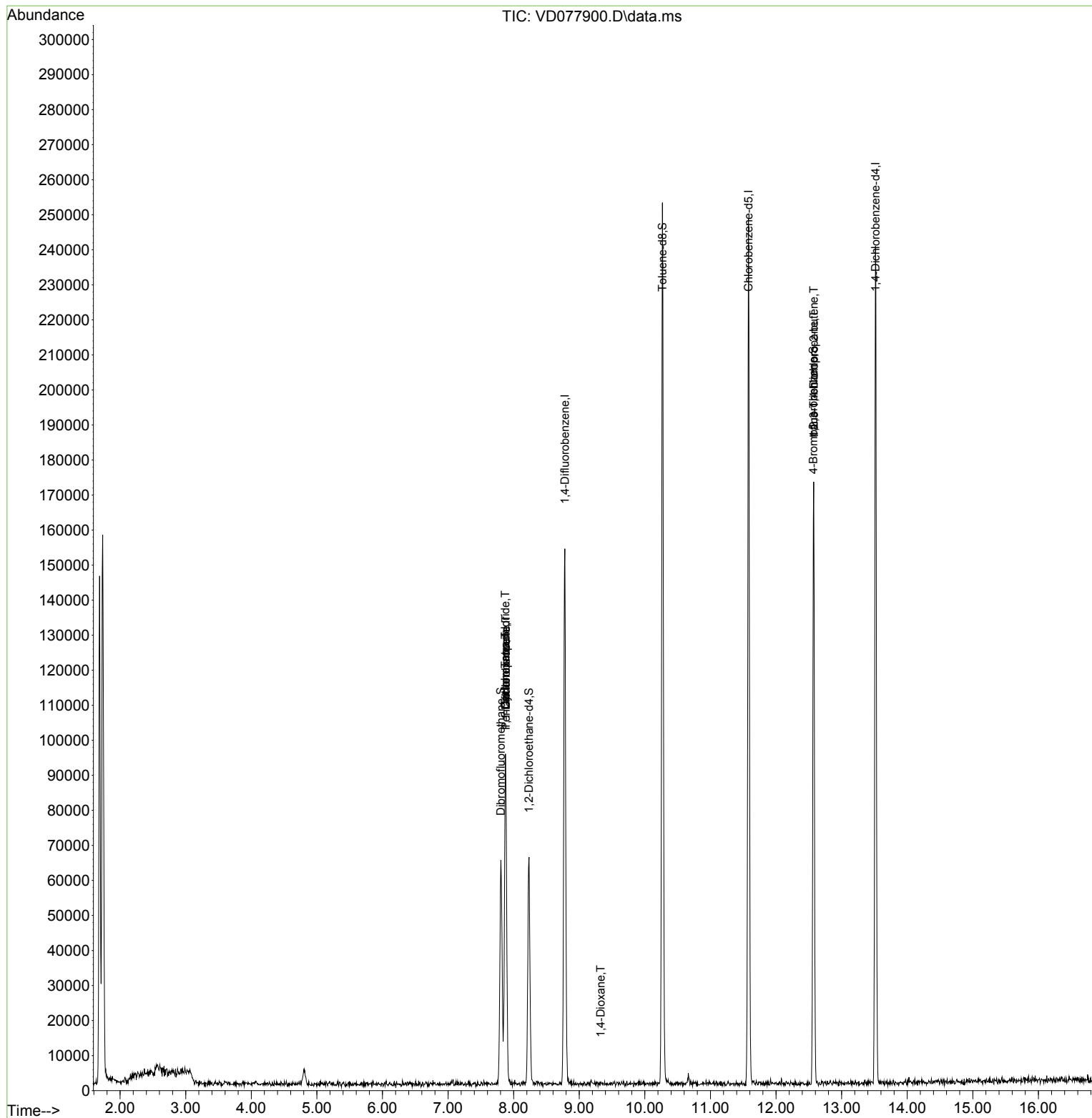
Internal Standards						
1) Pentafluorobenzene	7.881	168	72341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	134956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	137076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	49510	58.081	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.160%			
35) Dibromofluoromethane	7.804	113	45671	48.313	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.620%			
50) Toluene-d8	10.269	98	173175	45.739	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.480%			
62) 4-Bromofluorobenzene	12.569	95	52569	46.441	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.880%			
Target Compounds						
11) Tert butyl alcohol	5.293	59	54	Below Cal	#	73
16) Acetone	4.028	43	548	Below Cal	#	32
20) Methylene Chloride	4.805	84	2979	Below Cal	#	81
25) 2-Butanone	7.081	43	61	Below Cal	#	37
31) Cyclohexane	7.875	56	2084	1.374	ug/l #	50
36) 1,1-Dichloropropene	7.881	75	6082	4.022	ug/l #	42
38) Carbon Tetrachloride	7.875	117	7412	4.917	ug/l #	15
49) 1,4-Dioxane	9.328	88	67	12.223	ug/l #	33
76) 1,2,3-Trichloropropane	12.575	75	27267	48.430	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27267	98.123	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	64	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.704	75	56	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: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077900.D

Acq: 15 Dec 2023 13:41

Instrument :

MSVOA_D

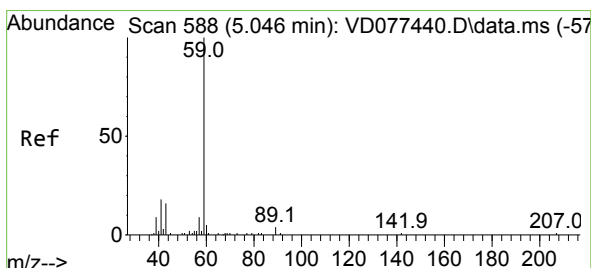
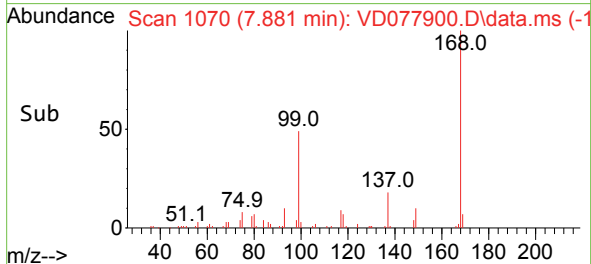
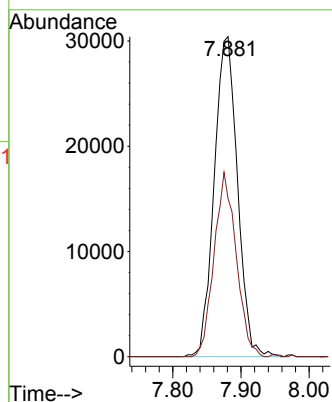
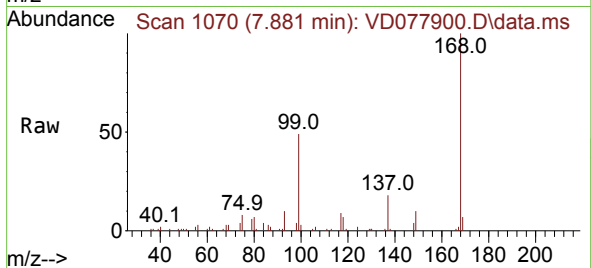
ClientSampleId :

Tgt Ion:168 Resp: 72341

Ion Ratio Lower Upper

168 100

99 49.5 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.293 min Scan# 630

Delta R.T. 0.247 min

Lab File: VD077900.D

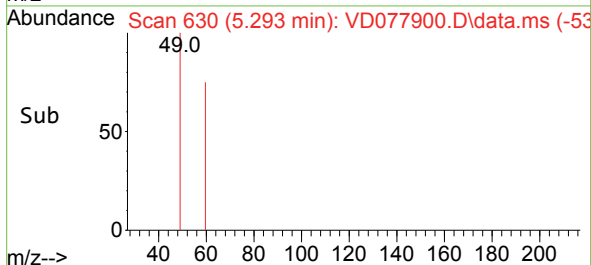
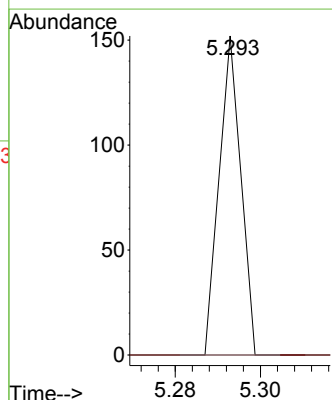
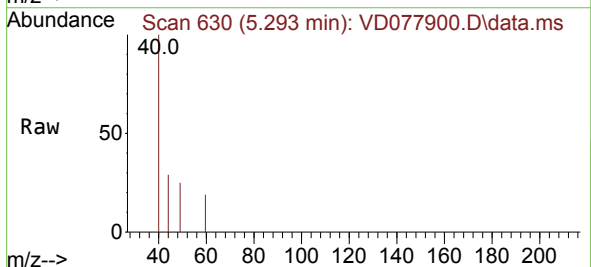
Acq: 15 Dec 2023 13:41

Tgt Ion: 59 Resp: 54

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: VD077900.D

Acq: 15 Dec 2023 13:41

Instrument :

MSVOA_D

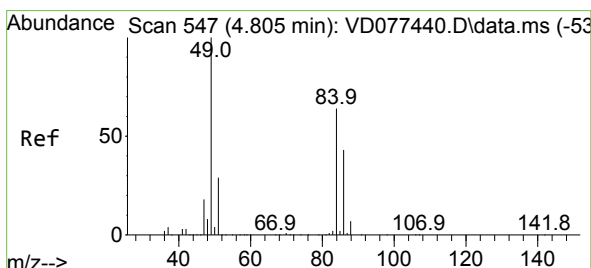
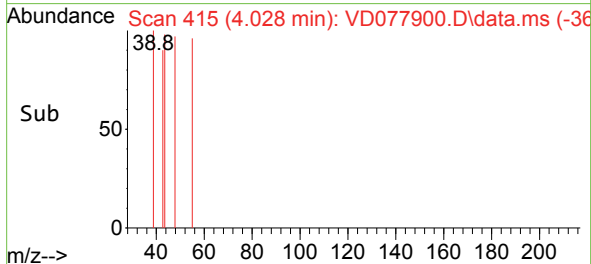
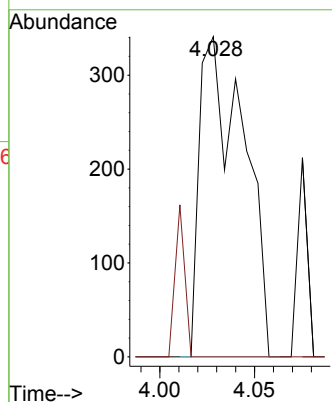
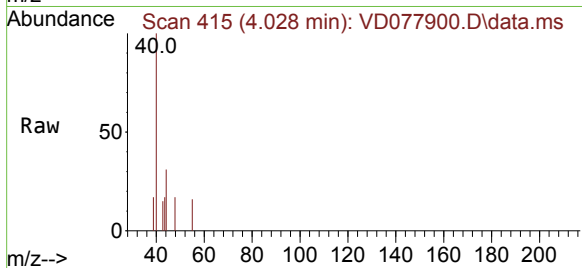
ClientSampleId :

Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD077900.D

Acq: 15 Dec 2023 13:41

Tgt Ion: 84 Resp: 2979

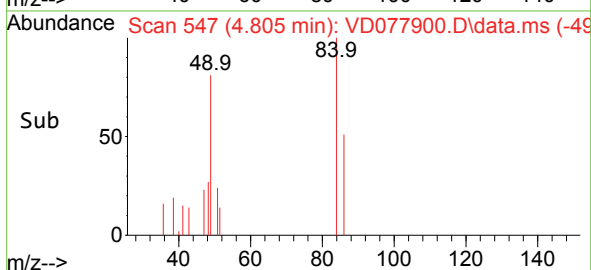
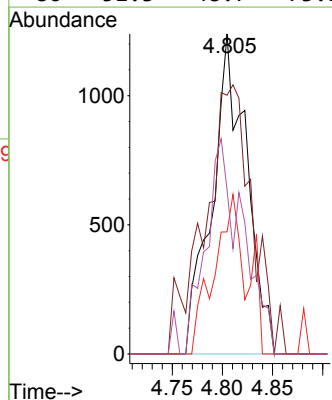
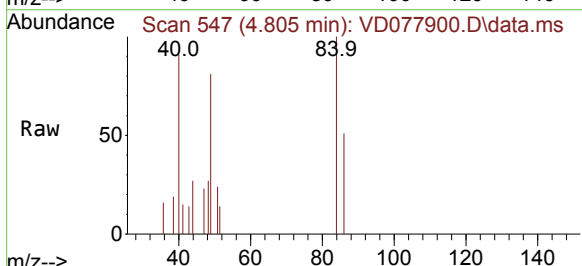
Ion Ratio Lower Upper

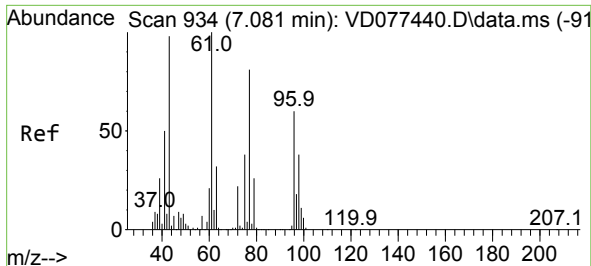
84 100

49 65.8 71.4 107.2#

51 38.2 24.5 36.7#

86 51.3 48.7 73.1

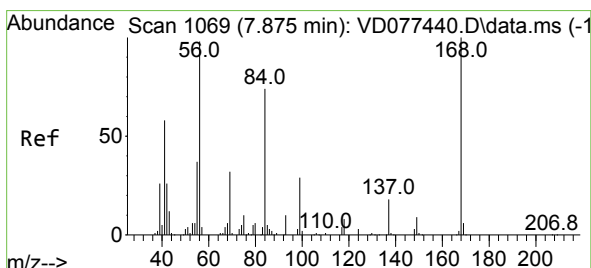
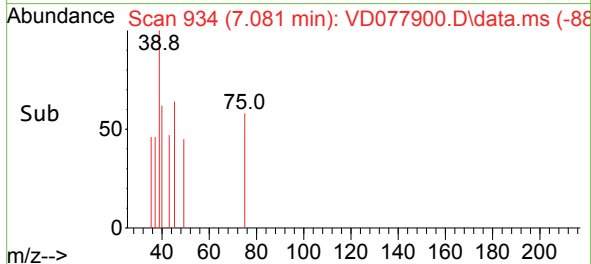
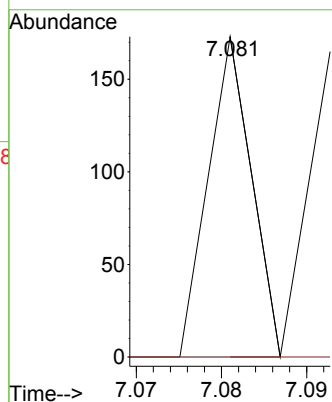
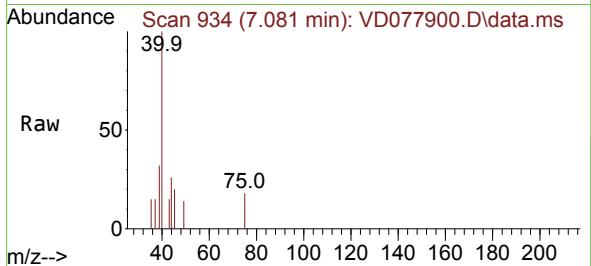




#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

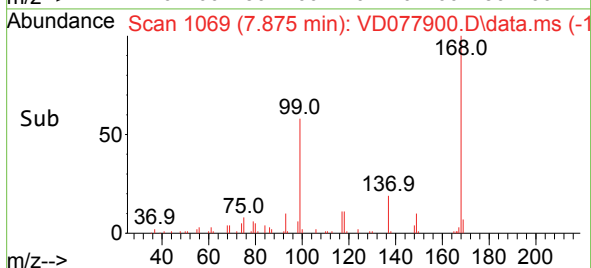
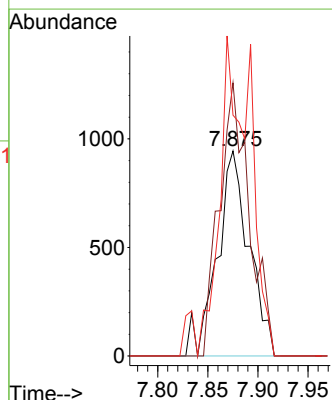
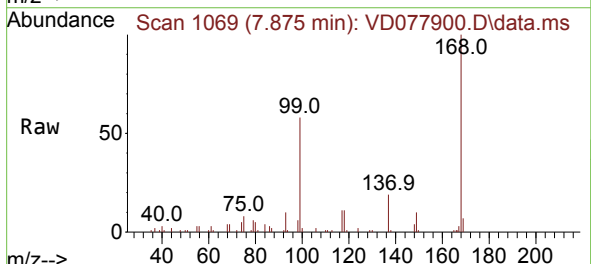
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Tgt Ion: 56 Resp: 2084
Ion Ratio Lower Upper
56 100
69 133.3 28.6 43.0#
84 117.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 58.081 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077900.D

Acq: 15 Dec 2023 13:41

Instrument :

MSVOA_D

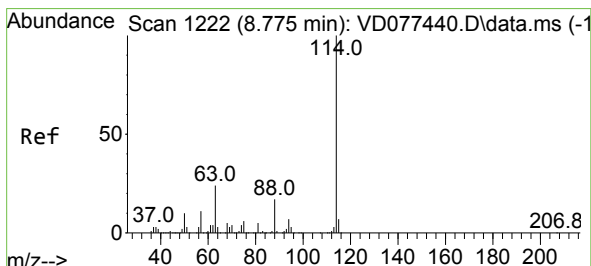
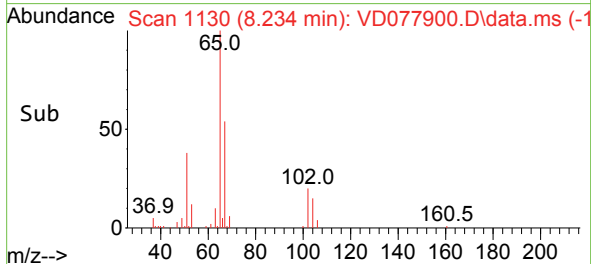
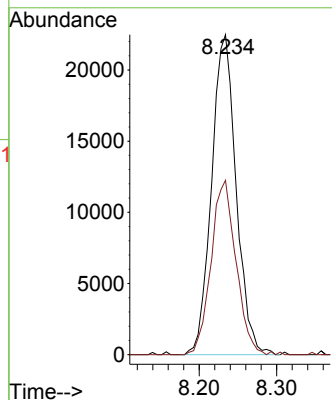
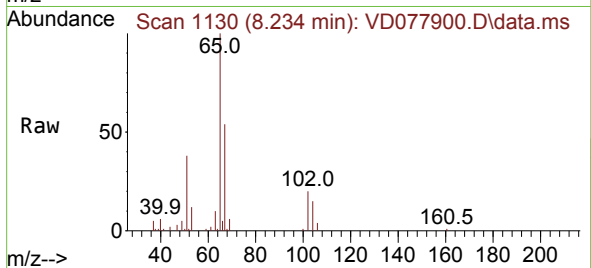
ClientSampleId :

Tgt Ion: 65 Resp: 49510

Ion Ratio Lower Upper

65 100

67 55.2 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: VD077900.D

Acq: 15 Dec 2023 13:41

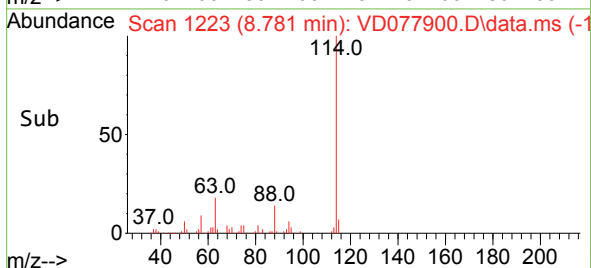
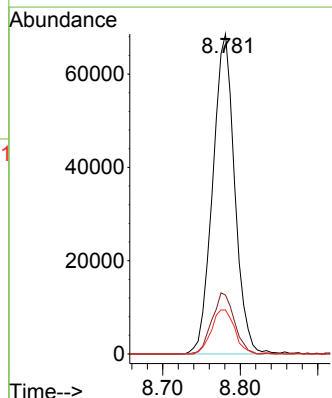
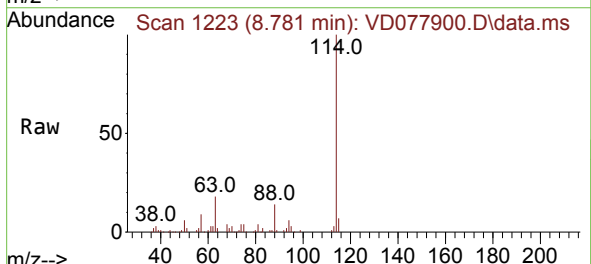
Tgt Ion: 114 Resp: 134956

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

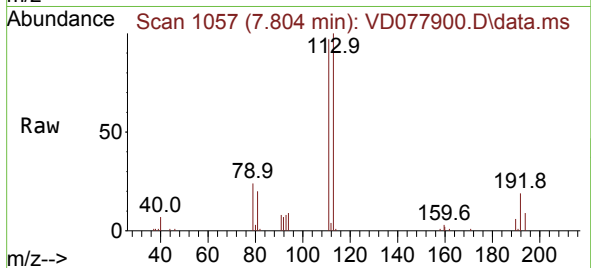
88 13.7 0.0 26.2



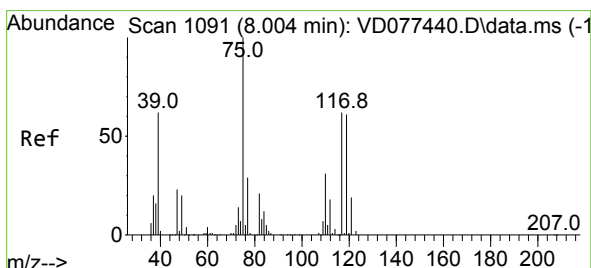
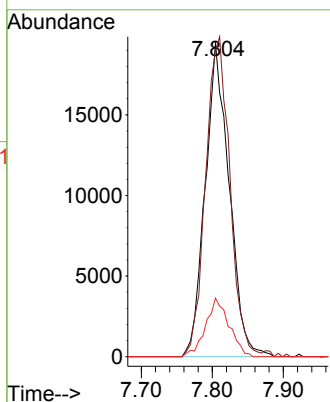
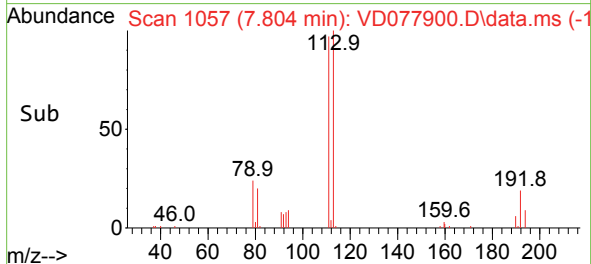


#35
Dibromofluoromethane
Concen: 48.313 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

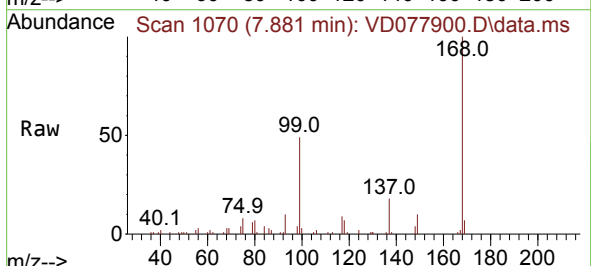
Instrument :
MSVOA_D
ClientSampleId :



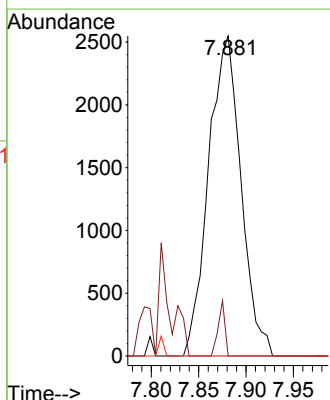
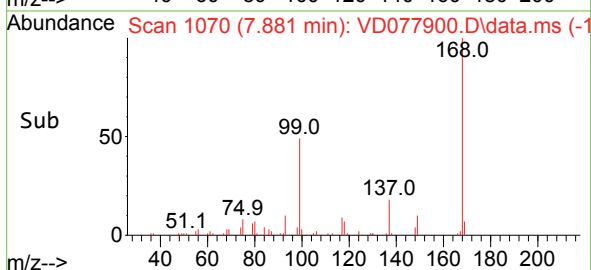
Tgt Ion:113 Resp: 45671
Ion Ratio Lower Upper
113 100
111 102.8 84.7 127.1
192 18.3 16.8 25.2

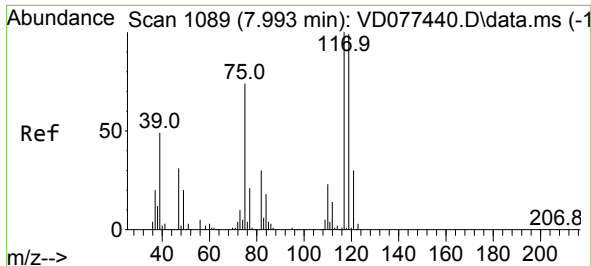


#36
1,1-Dichloropropene
Concen: 4.022 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41



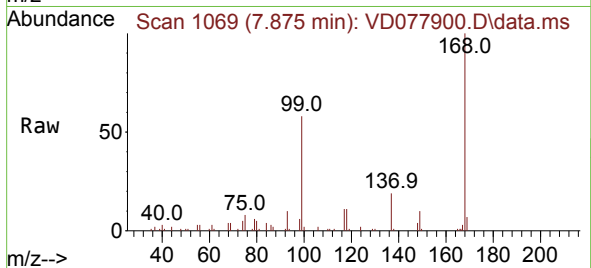
Tgt Ion: 75 Resp: 6082
Ion Ratio Lower Upper
75 100
110 3.6 19.9 59.6#
77 0.0 24.7 37.1#



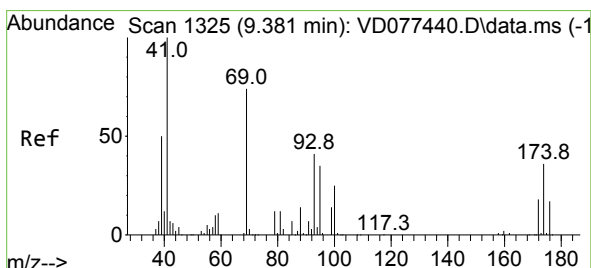
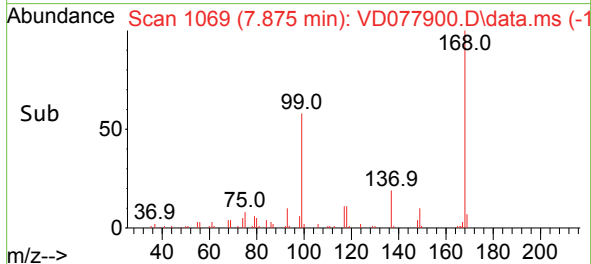
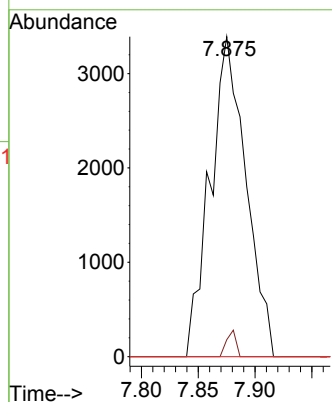


#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Instrument :
MSVOA_D
ClientSampleId :

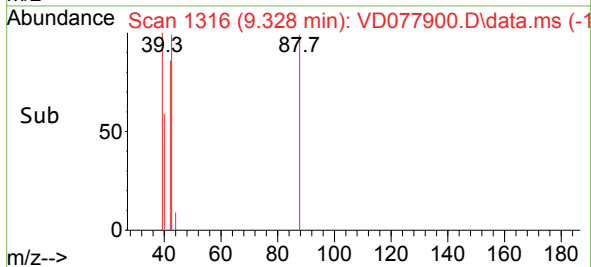
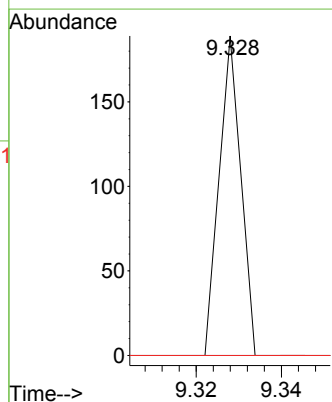
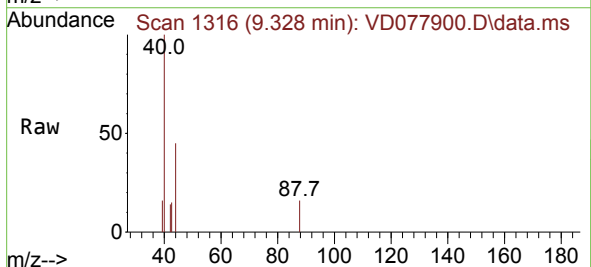


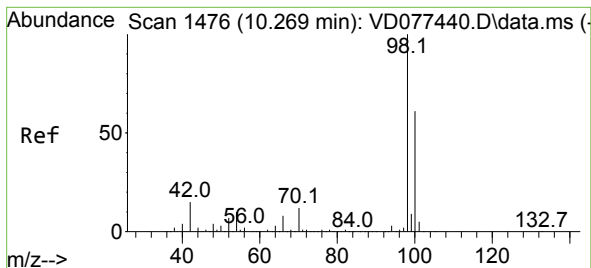
Tgt Ion:117 Resp: 7412
Ion Ratio Lower Upper
117 100
119 5.3 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 12.223 ug/l
RT: 9.328 min Scan# 1316
Delta R.T. -0.053 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#

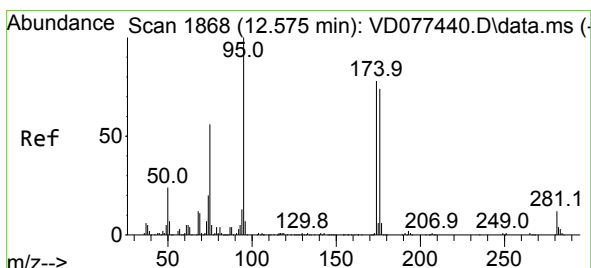
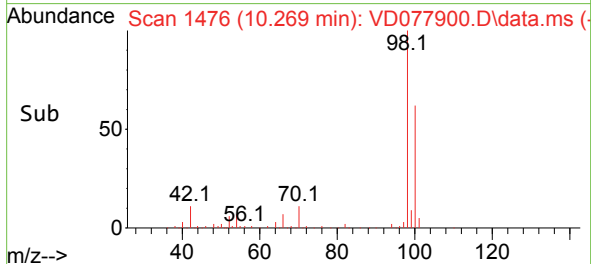
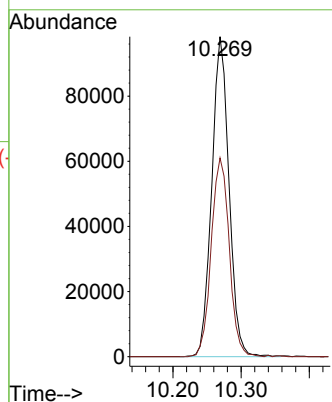
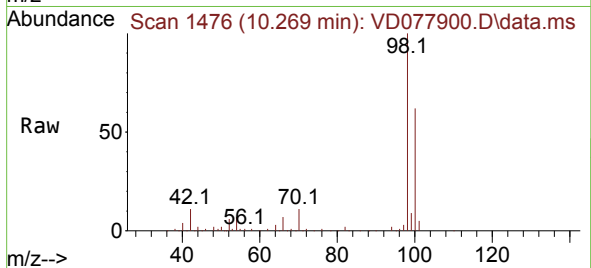




#50
Toluene-d8
Concen: 45.739 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

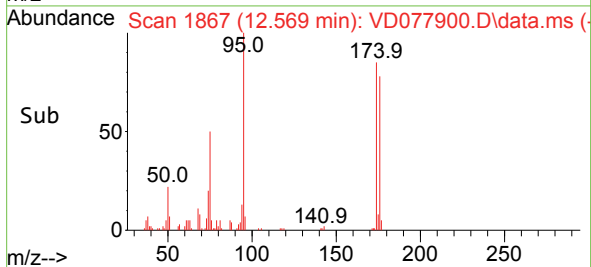
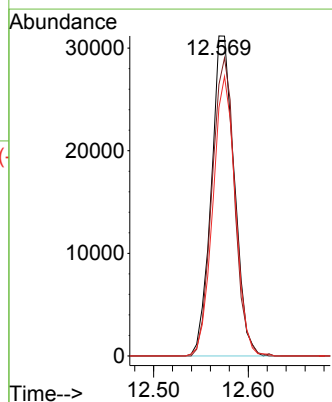
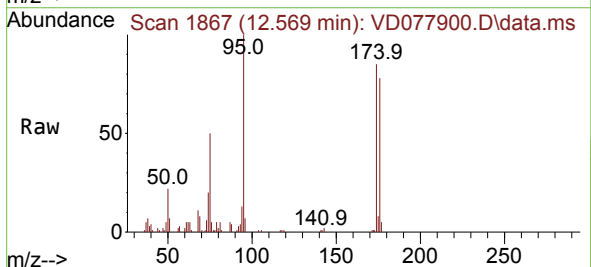
Instrument :
MSVOA_D
ClientSampleId :

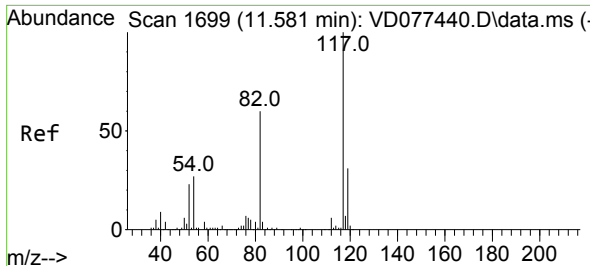
Tgt Ion: 98 Resp: 173175
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.441 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

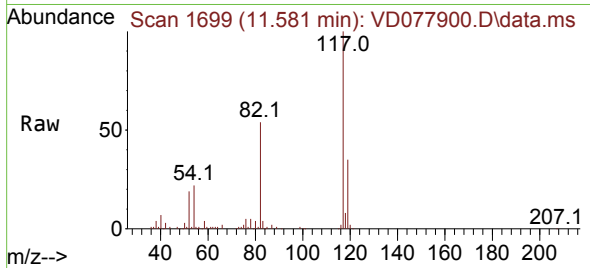
Tgt Ion: 95 Resp: 52569
Ion Ratio Lower Upper
95 100
174 91.6 0.0 201.8
176 85.4 0.0 191.8



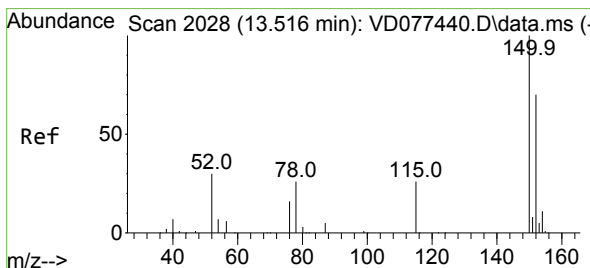
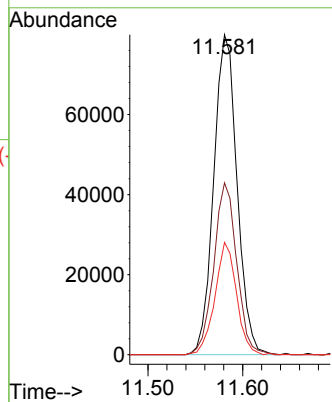
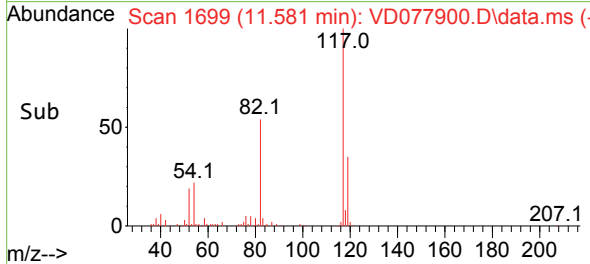


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Instrument :
MSVOA_D
ClientSampleId :

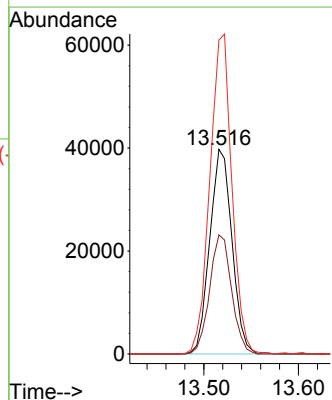
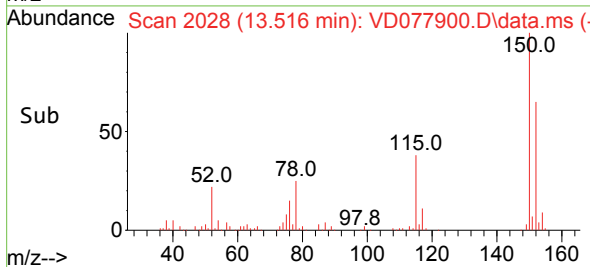
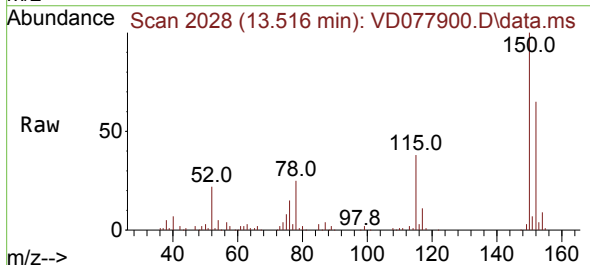


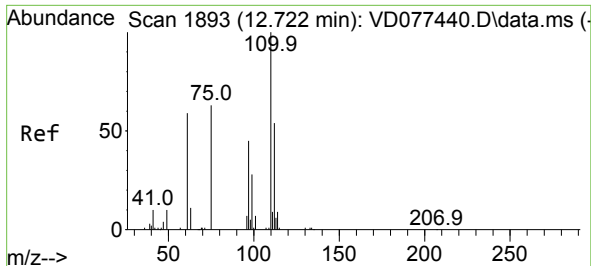
Tgt Ion:117 Resp: 137076
Ion Ratio Lower Upper
117 100
82 53.7 38.3 57.5
119 35.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

Tgt Ion:152 Resp: 64826
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 154.7 0.0 353.6

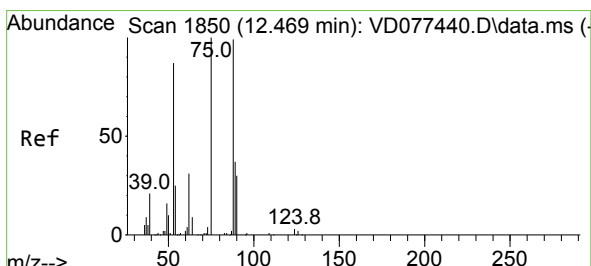
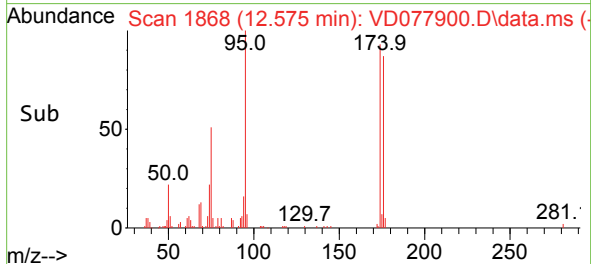
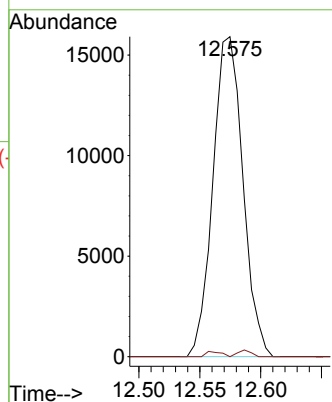
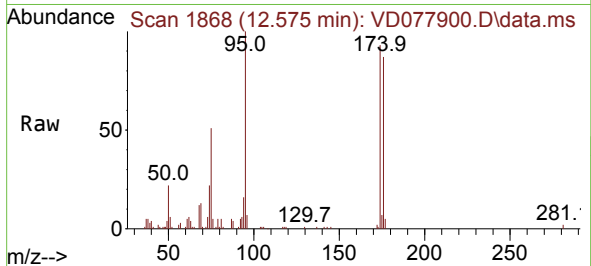




#76
1,2,3-Trichloropropane
Concen: 48.430 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

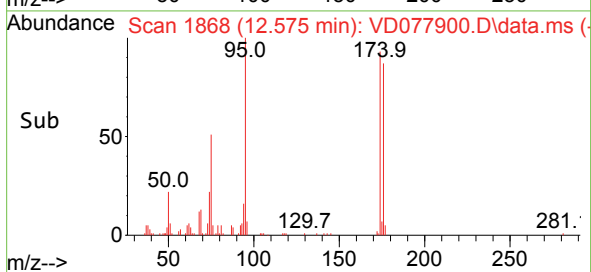
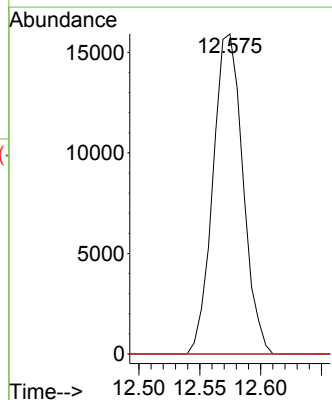
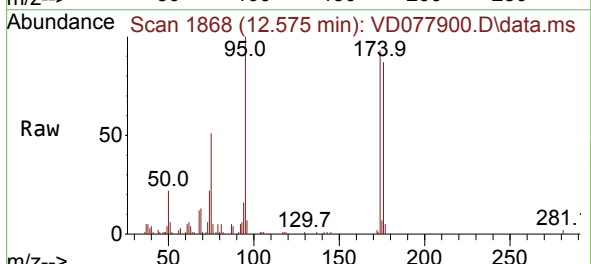
Instrument :
MSVOA_D
ClientSampleId :

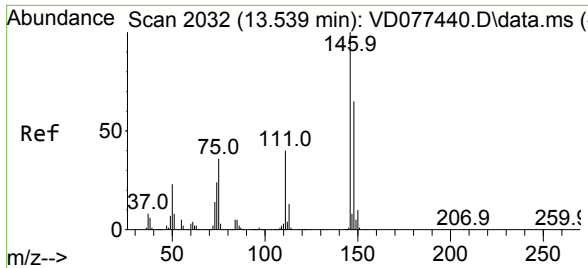
Tgt Ion: 75 Resp: 27267
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.123 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077900.D
Acq: 15 Dec 2023 13:41

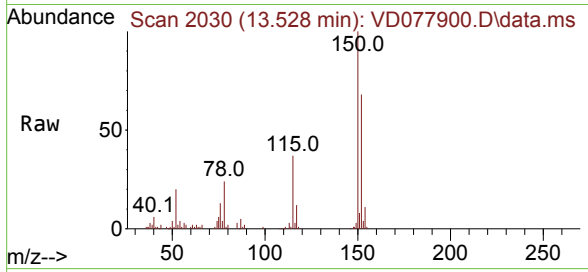
Tgt Ion: 75 Resp: 27267
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 2030
 Delta R.T. -0.011 min
 Lab File: VD077900.D
 Acq: 15 Dec 2023 13:41

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	64
Ion	Ratio	Lower	Upper
146	100		
111	1131.3	17.4	52.3#
148	835.9	31.7	95.1#

