

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077936.D
 Acq On : 16 Dec 2023 16:18
 Operator : RP/MD
 Sample : 05791-08
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 02:00:22 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)

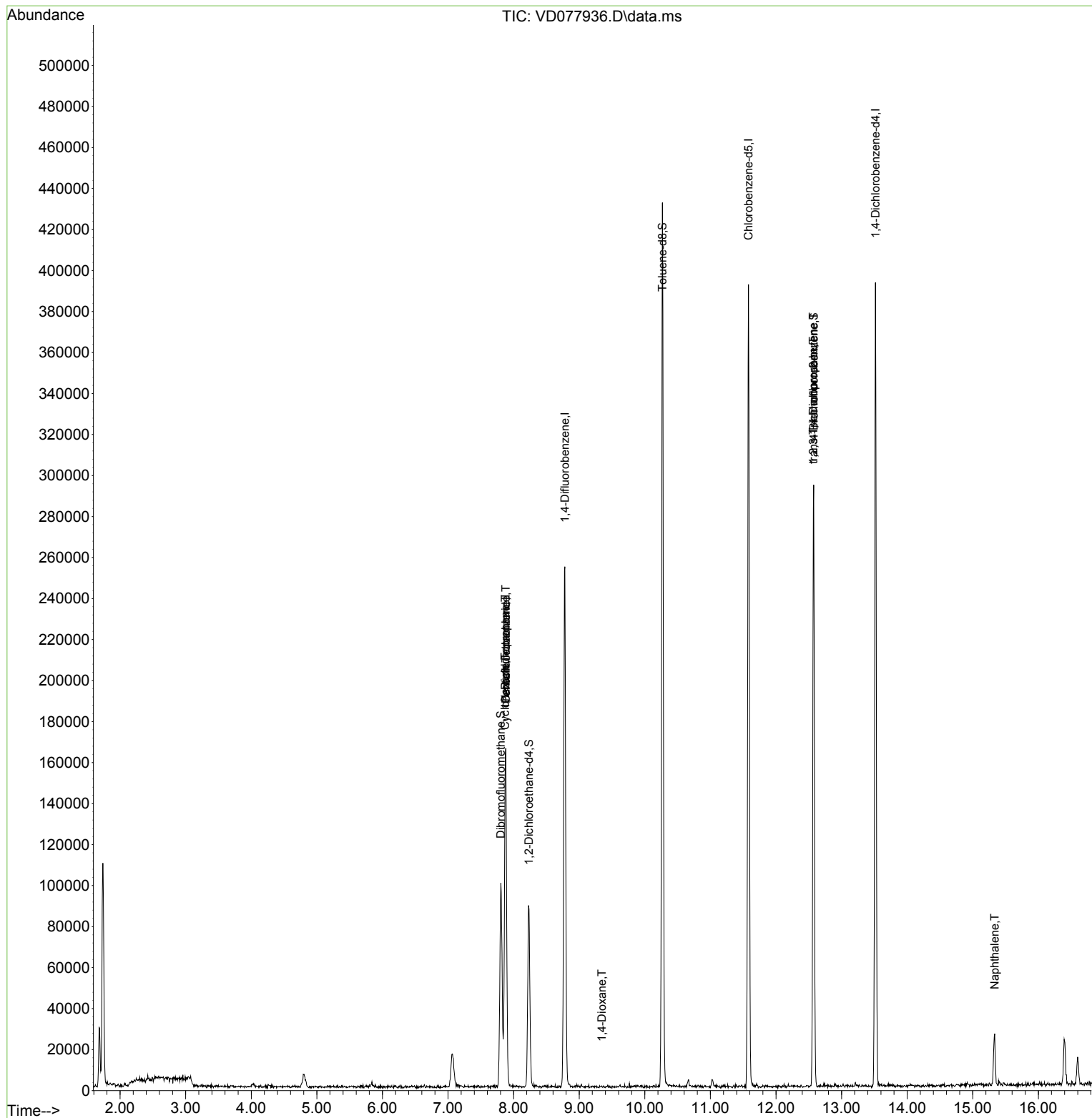
Internal Standards						
1) Pentafluorobenzene	7.881	168	127451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	230702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	227721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69437	46.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.480%		
35) Dibromofluoromethane	7.805	113	71503	44.247	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.500%		
50) Toluene-d8	10.269	98	293405	45.333	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.660%		
62) 4-Bromofluorobenzene	12.575	95	89018	46.003	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.000%		
Target Compounds						
11) Tert butyl alcohol	5.028	59	59	Below Cal	#	1
16) Acetone	4.022	43	2296	Below Cal		100
20) Methylene Chloride	4.805	84	4439	Below Cal	#	69
25) 2-Butanone	7.099	43	837	Below Cal	#	37
31) Cyclohexane	7.869	56	3099	1.160	ug/l #	75
36) 1,1-Dichloropropene	7.875	75	10969	4.244	ug/l #	47
38) Carbon Tetrachloride	7.881	117	12718	4.935	ug/l #	16
49) 1,4-Dioxane	9.346	88	56	5.976	ug/l #	10
76) 1,2,3-Trichloropropane	12.569	75	47425	53.088	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47425	107.559	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	58	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.539	75	57	Below Cal	#	1
95) Naphthalene	15.334	128	21599	5.968	ug/l	97

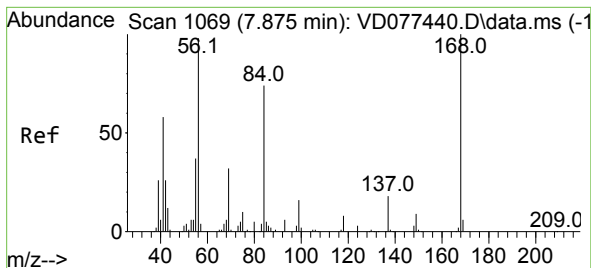
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077936.D

Acq: 16 Dec 2023 16:18

Instrument :

MSVOA_D

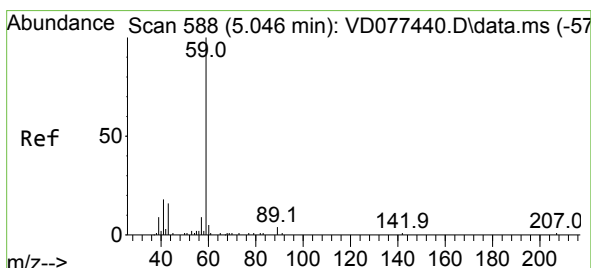
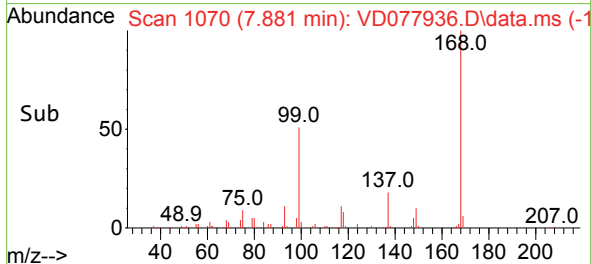
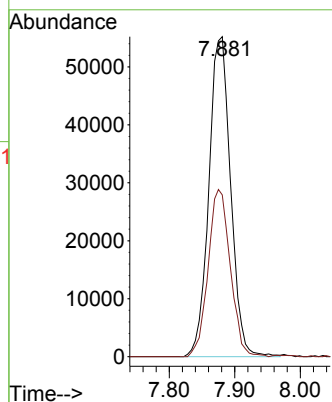
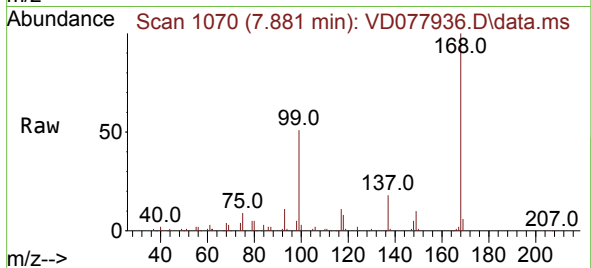
ClientSampleId :

Tgt Ion:168 Resp: 127451

Ion Ratio Lower Upper

168 100

99 50.6 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 585

Delta R.T. -0.018 min

Lab File: VD077936.D

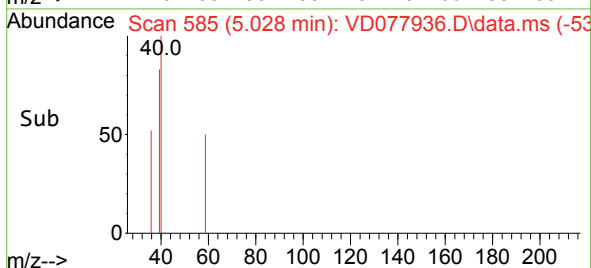
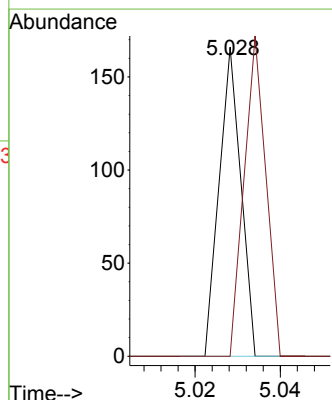
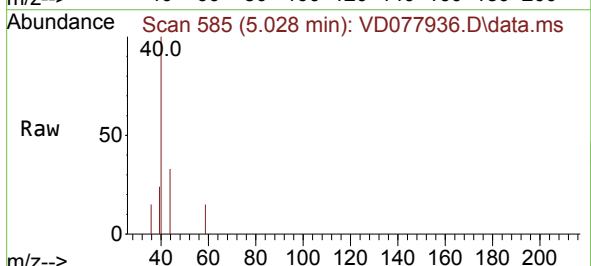
Acq: 16 Dec 2023 16:18

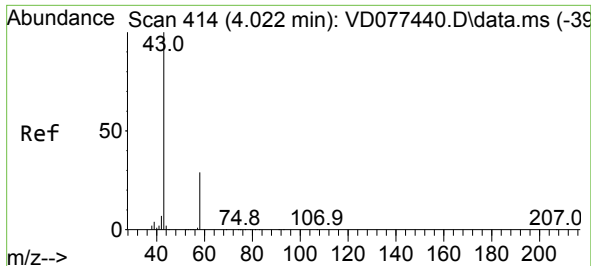
Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 103.4 7.8 11.8#

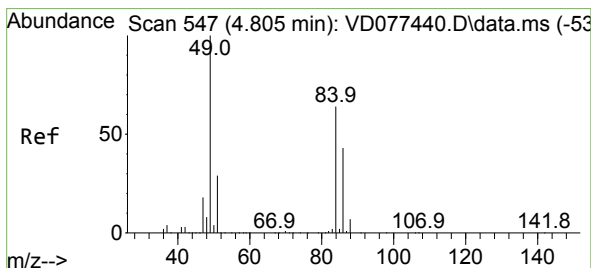
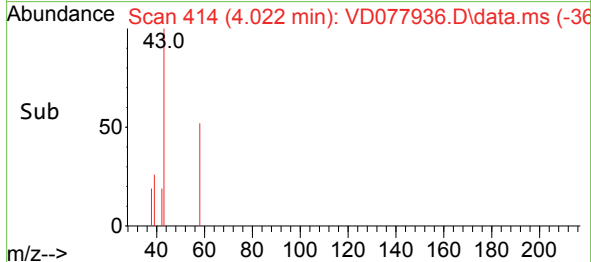
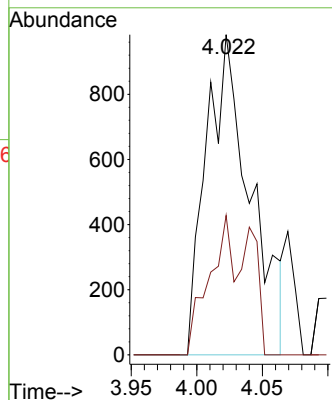
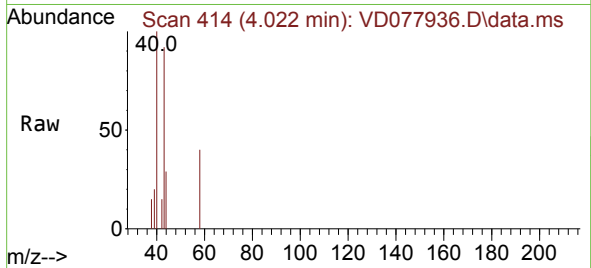




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

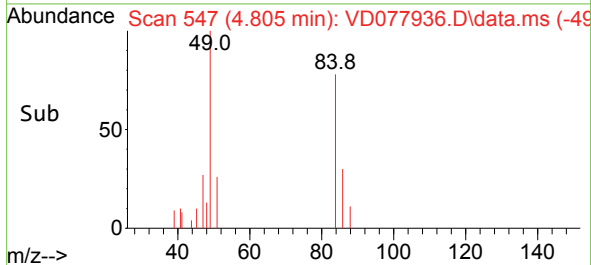
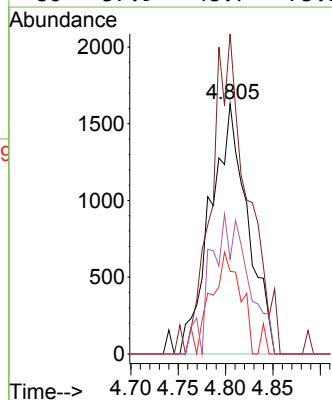
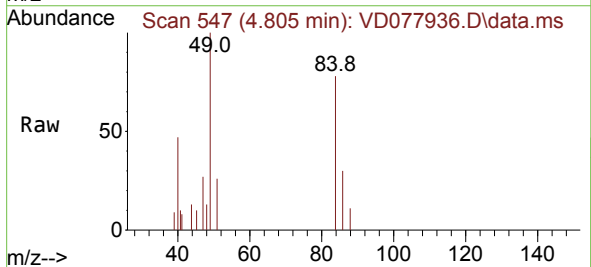
Instrument :
MSVOA_D
ClientSampleId :

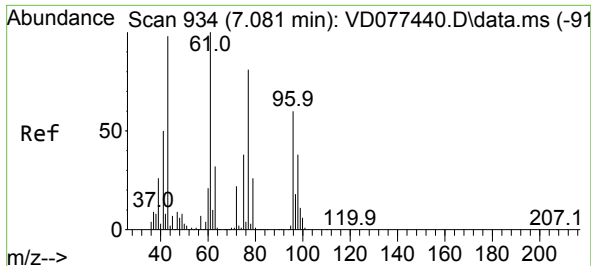
Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
58 43.5 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

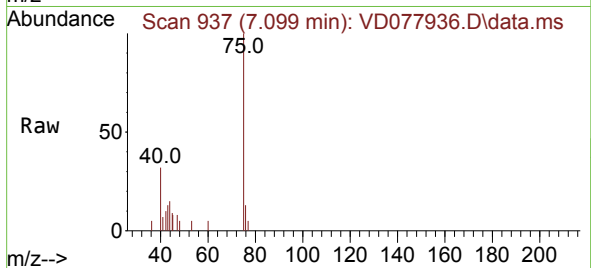
Tgt Ion: 84 Resp: 4439
Ion Ratio Lower Upper
84 100
49 127.9 71.4 107.2#
51 33.0 24.5 36.7
86 37.9 48.7 73.1#



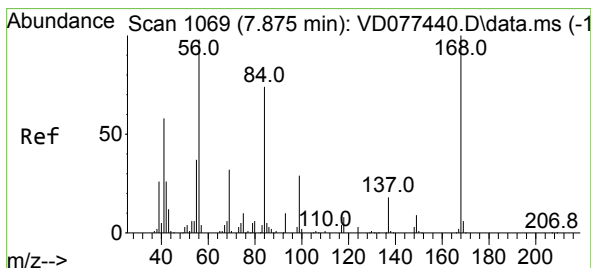
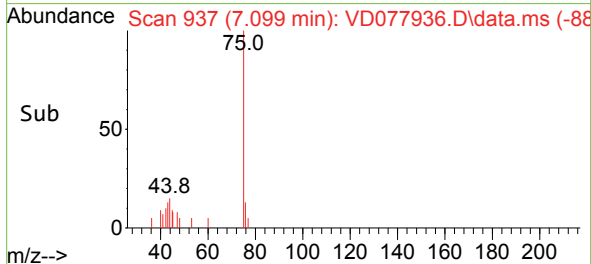
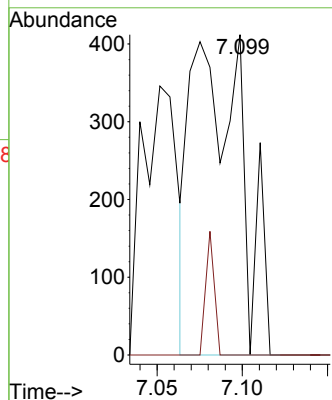


#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

Instrument :
MSVOA_D
ClientSampleId :

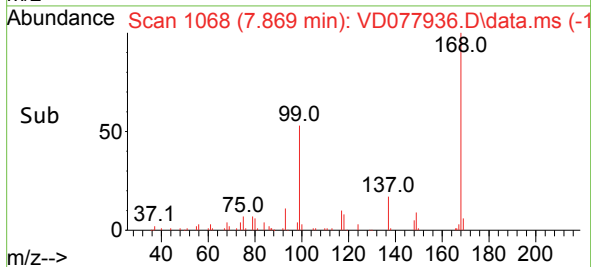
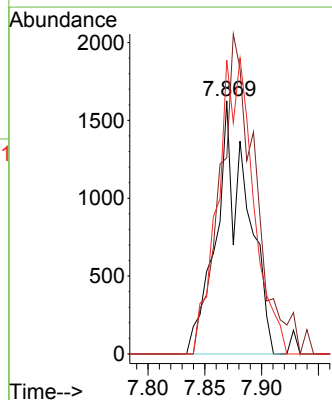
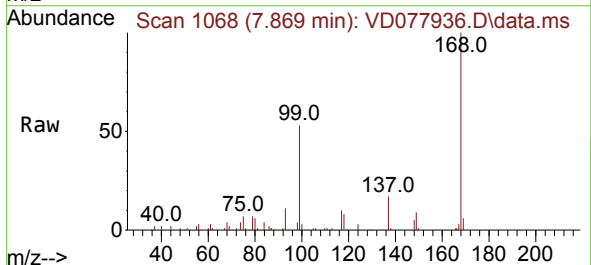


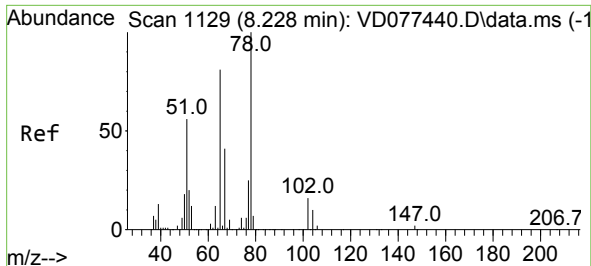
Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

Tgt Ion: 56 Resp: 3099
Ion Ratio Lower Upper
56 100
69 77.5 28.6 43.0#
84 116.1 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 46.235 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077936.D

Acq: 16 Dec 2023 16:18

Instrument :

MSVOA_D

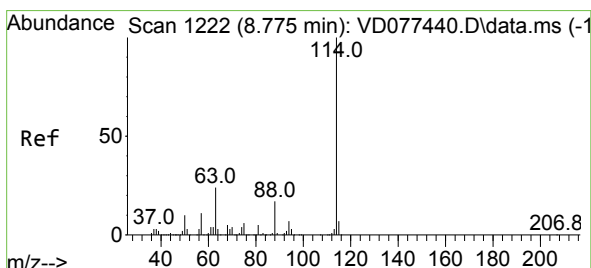
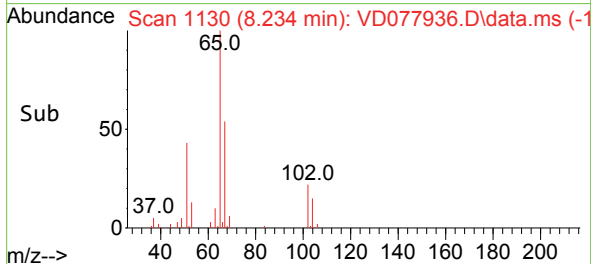
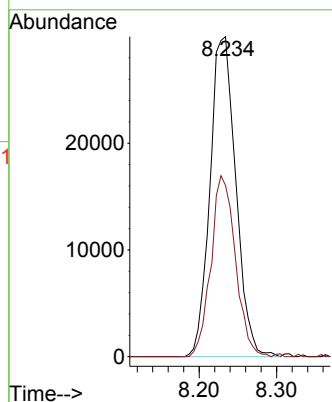
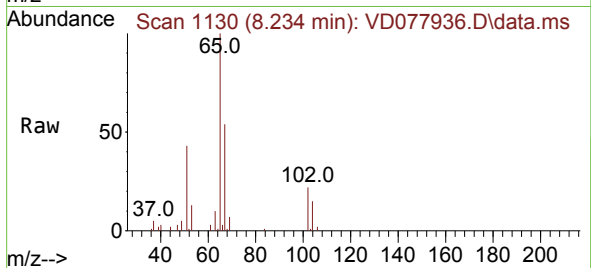
ClientSampleId :

Tgt Ion: 65 Resp: 69437

Ion Ratio Lower Upper

65 100

67 53.7 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: VD077936.D

Acq: 16 Dec 2023 16:18

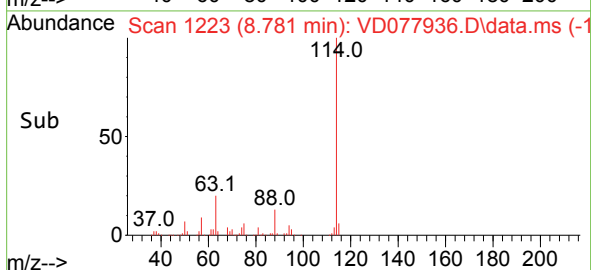
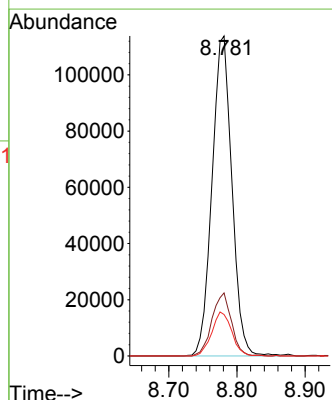
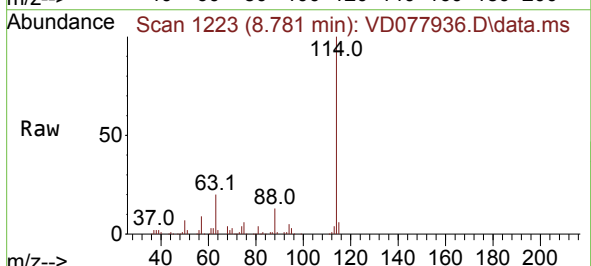
Tgt Ion: 114 Resp: 230702

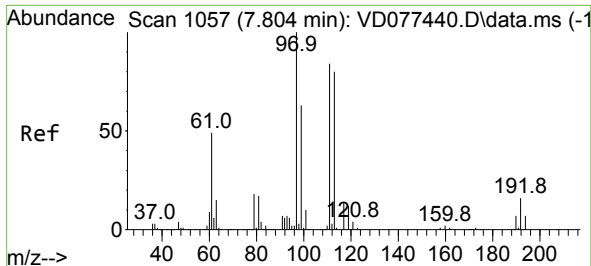
Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

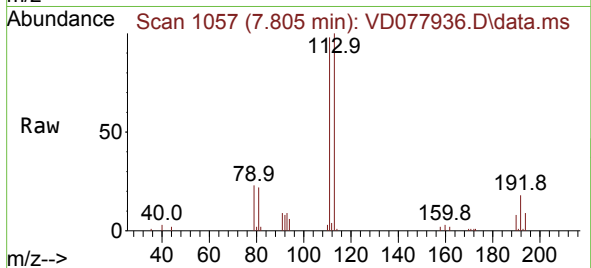
88 12.9 0.0 26.2



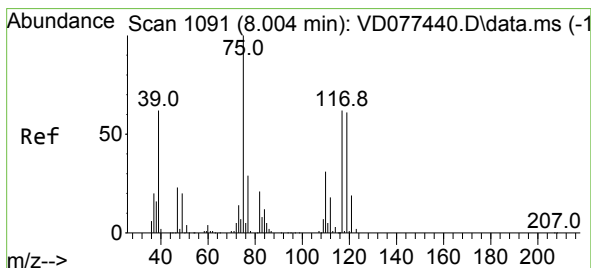
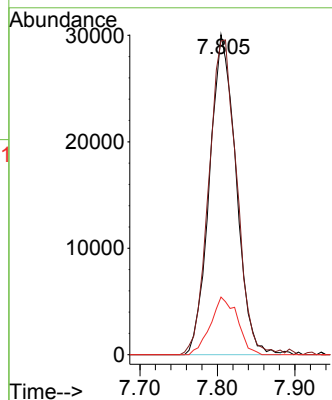
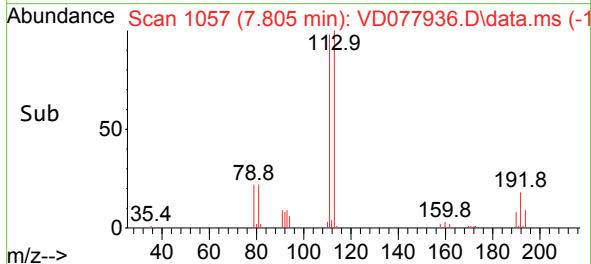


#35
Dibromofluoromethane
Concen: 44.247 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

Instrument :
MSVOA_D
ClientSampleId :

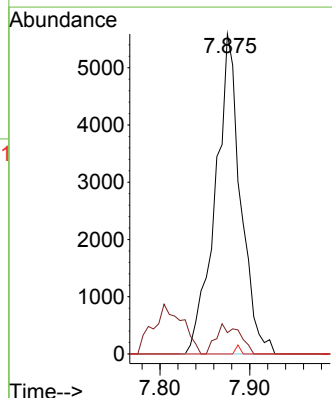
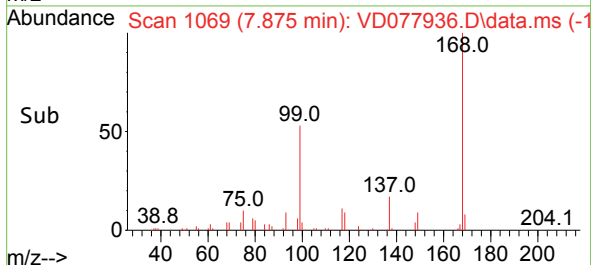
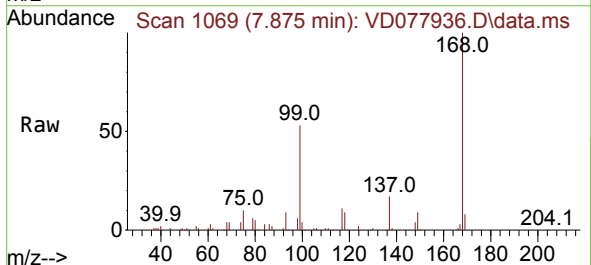


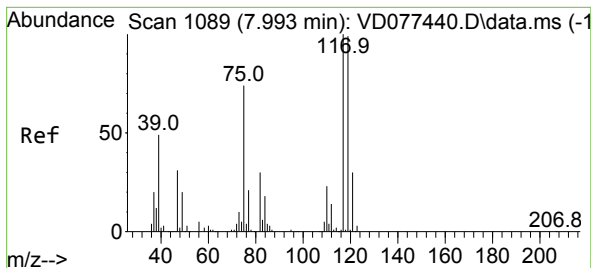
Tgt Ion:113 Resp: 71503
Ion Ratio Lower Upper
113 100
111 103.3 84.7 127.1
192 18.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

Tgt Ion: 75 Resp: 10969
Ion Ratio Lower Upper
75 100
110 8.6 19.9 59.6#
77 0.5 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.935 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

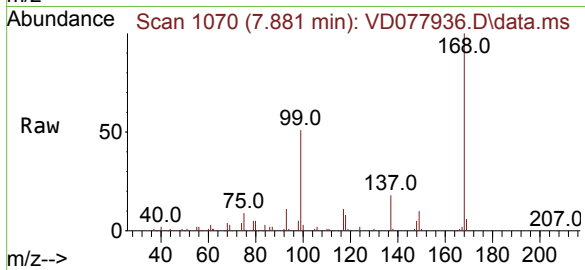
Lab File: VD077936.D

Acq: 16 Dec 2023 16:18

Instrument :

MSVOA_D

ClientSampleId :



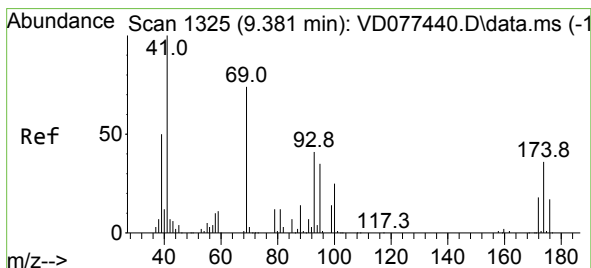
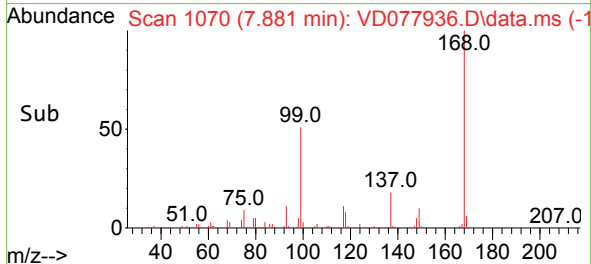
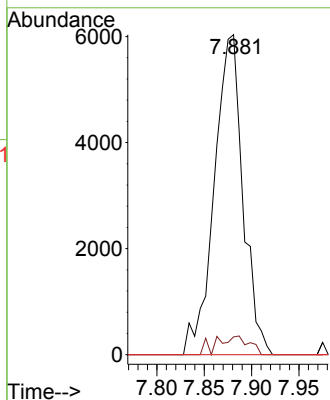
Tgt Ion:117 Resp: 12718

Ion Ratio Lower Upper

117 100

119 5.6 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 5.976 ug/l

RT: 9.346 min Scan# 1319

Delta R.T. -0.035 min

Lab File: VD077936.D

Acq: 16 Dec 2023 16:18

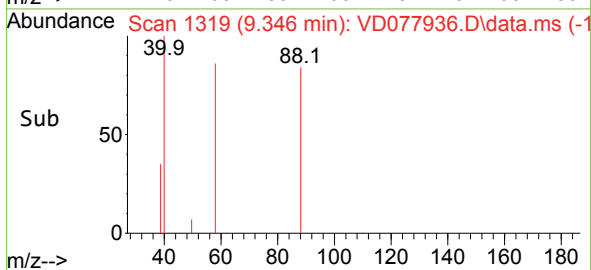
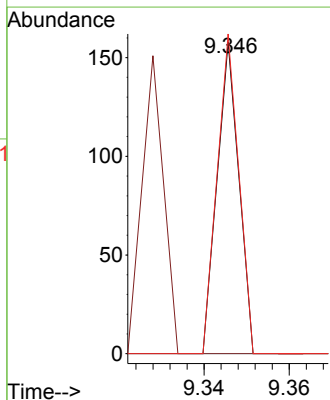
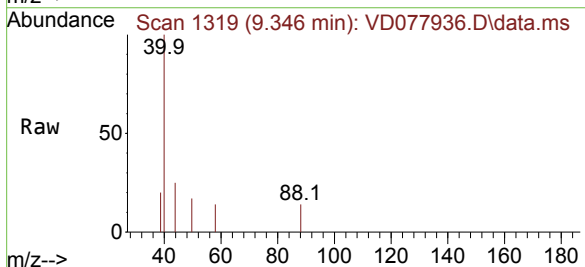
Tgt Ion: 88 Resp: 56

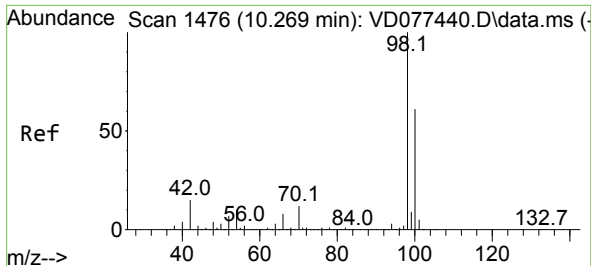
Ion Ratio Lower Upper

88 100

43 94.6 19.0 28.6#

58 101.8 43.5 65.3#

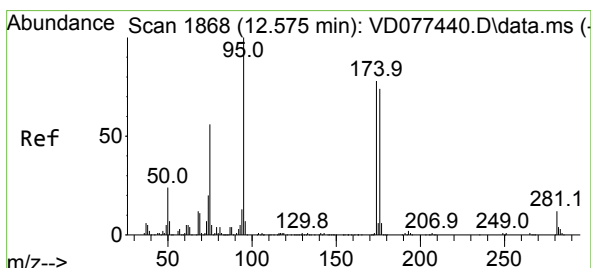
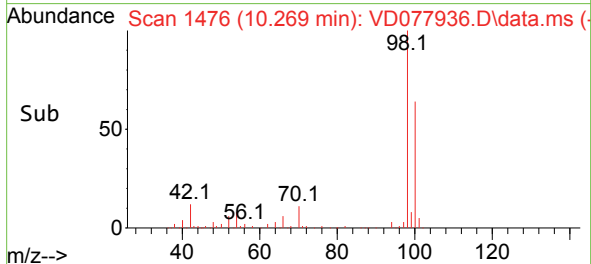
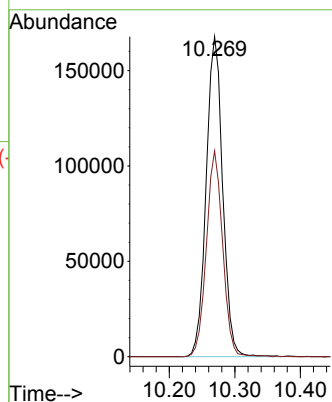
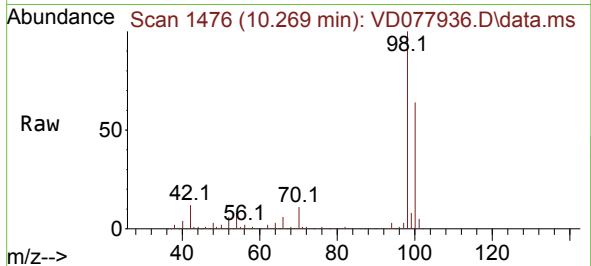




#50
Toluene-d8
Concen: 45.333 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

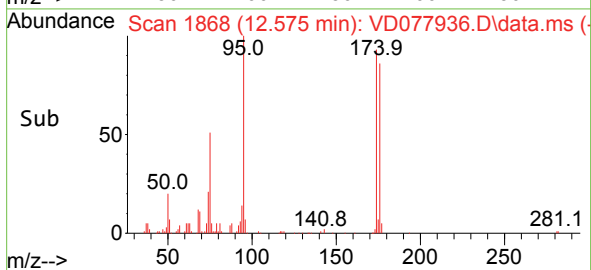
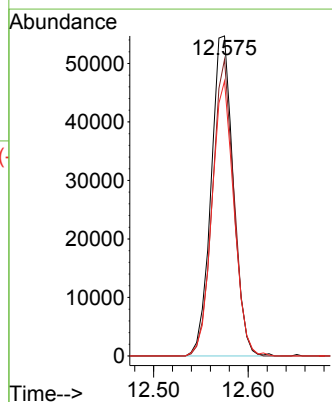
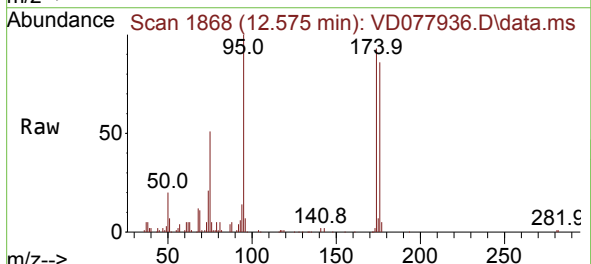
Instrument :
MSVOA_D
ClientSampleId :

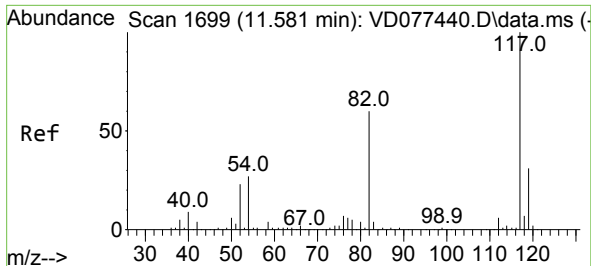
Tgt Ion: 98 Resp: 293405
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.003 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

Tgt Ion: 95 Resp: 89018
Ion Ratio Lower Upper
95 100
174 89.2 0.0 201.8
176 85.2 0.0 191.8

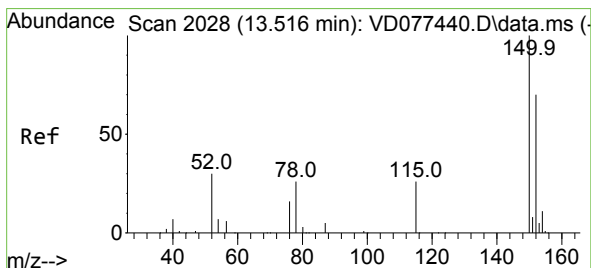
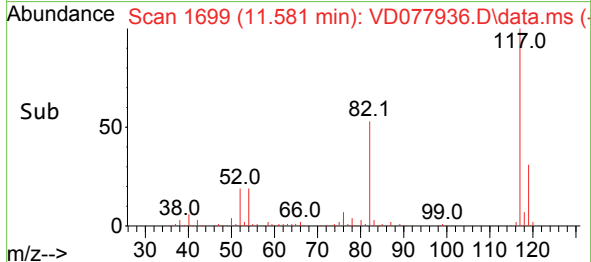
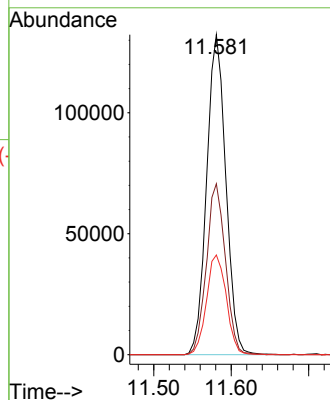
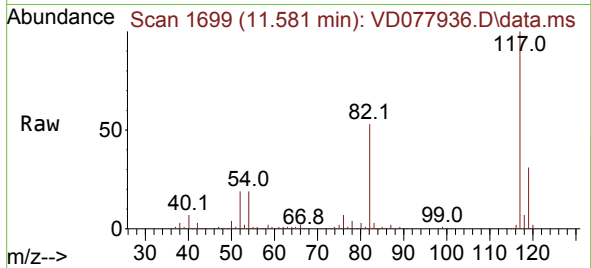




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

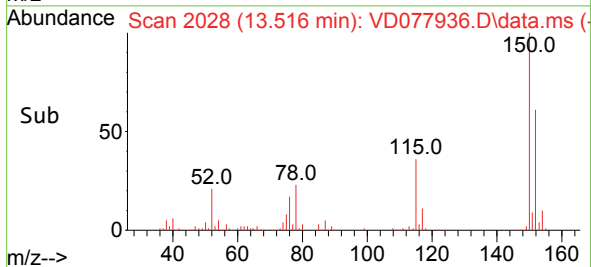
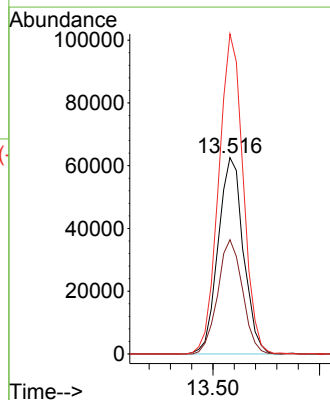
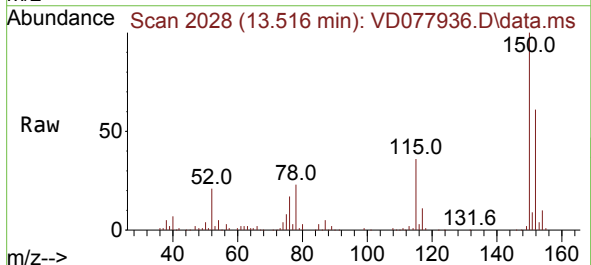
Instrument :
MSVOA_D
ClientSampleId :

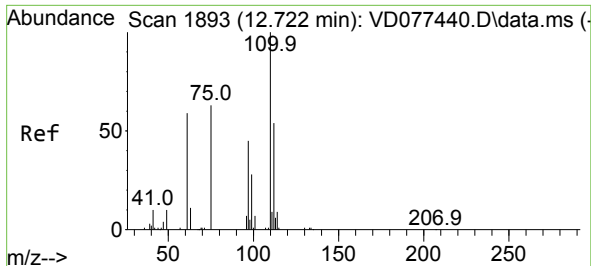
Tgt Ion:117 Resp: 227721
Ion Ratio Lower Upper
117 100
82 53.4 38.3 57.5
119 31.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

Tgt Ion:152 Resp: 102859
Ion Ratio Lower Upper
152 100
115 57.0 27.1 81.3
150 157.8 0.0 353.6

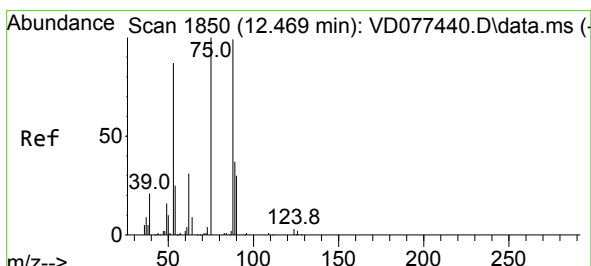
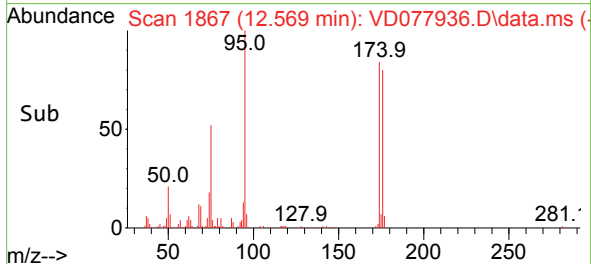
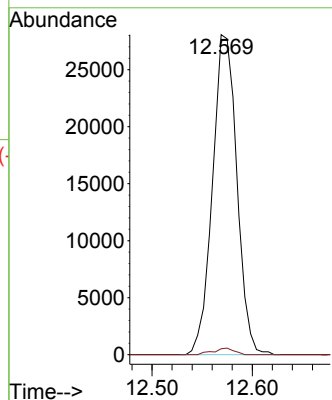
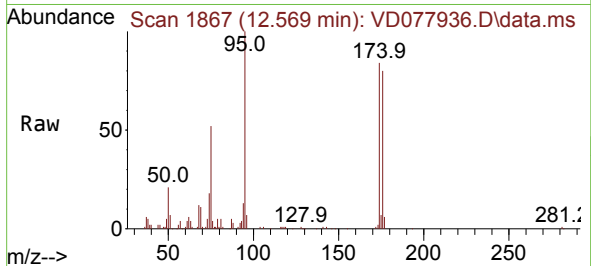




#76
1,2,3-Trichloropropane
Concen: 53.088 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

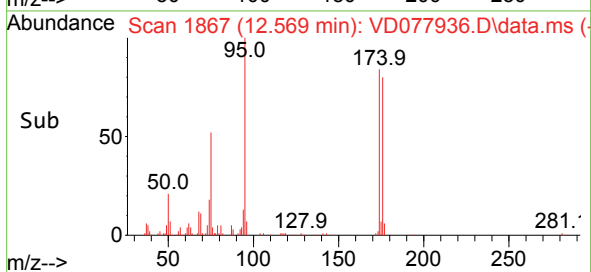
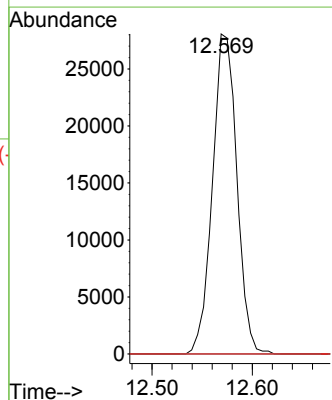
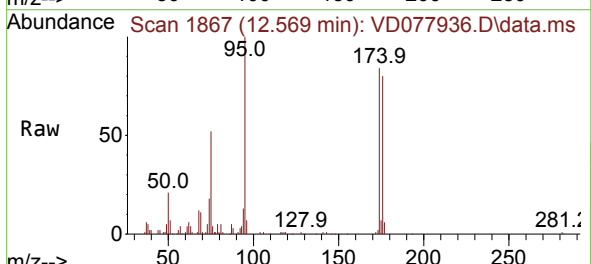
Instrument :
MSVOA_D
ClientSampleId :

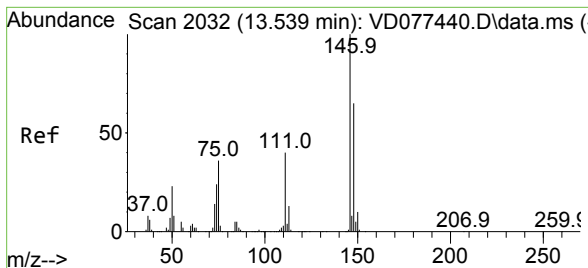
Tgt Ion: 75 Resp: 47425
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.559 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077936.D
Acq: 16 Dec 2023 16:18

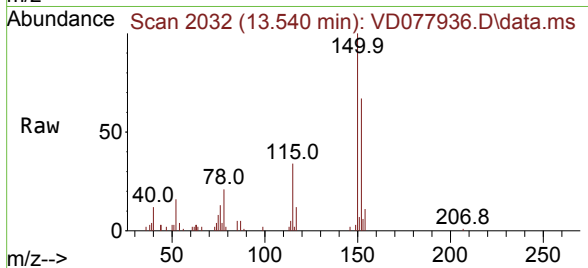
Tgt Ion: 75 Resp: 47425
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



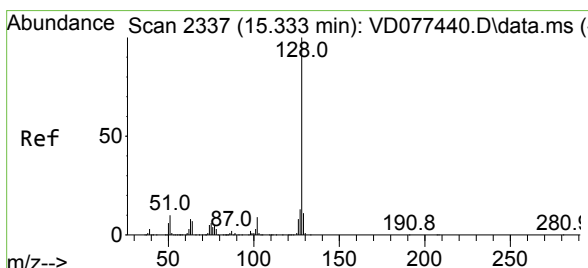
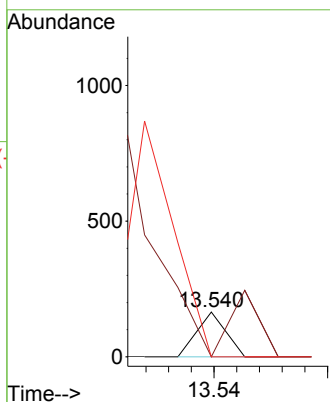
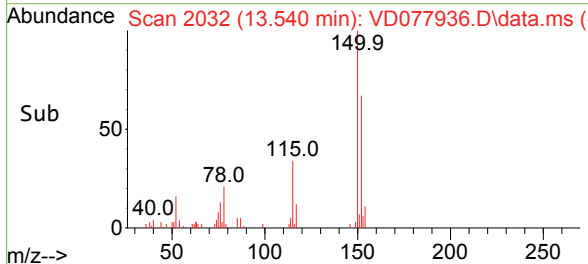


#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.001 min
 Lab File: VD077936.D
 Acq: 16 Dec 2023 16:18

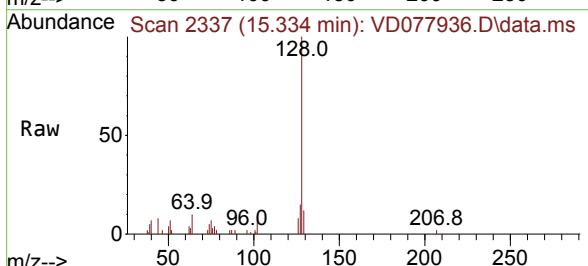
Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:146 Resp: 58
 Ion Ratio Lower Upper
 146 100
 111 0.0 17.4 52.3#
 148 0.0 31.7 95.1#



#95
 Naphthalene
 Concen: 5.968 ug/l
 RT: 15.334 min Scan# 2337
 Delta R.T. 0.001 min
 Lab File: VD077936.D
 Acq: 16 Dec 2023 16:18



Tgt Ion:128 Resp: 21599
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.5 15.7
 129 12.0 8.7 13.1

