

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077997.D
 Acq On : 20 Dec 2023 15:56
 Operator : RP/MD
 Sample : 05827-10
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:25:21 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)

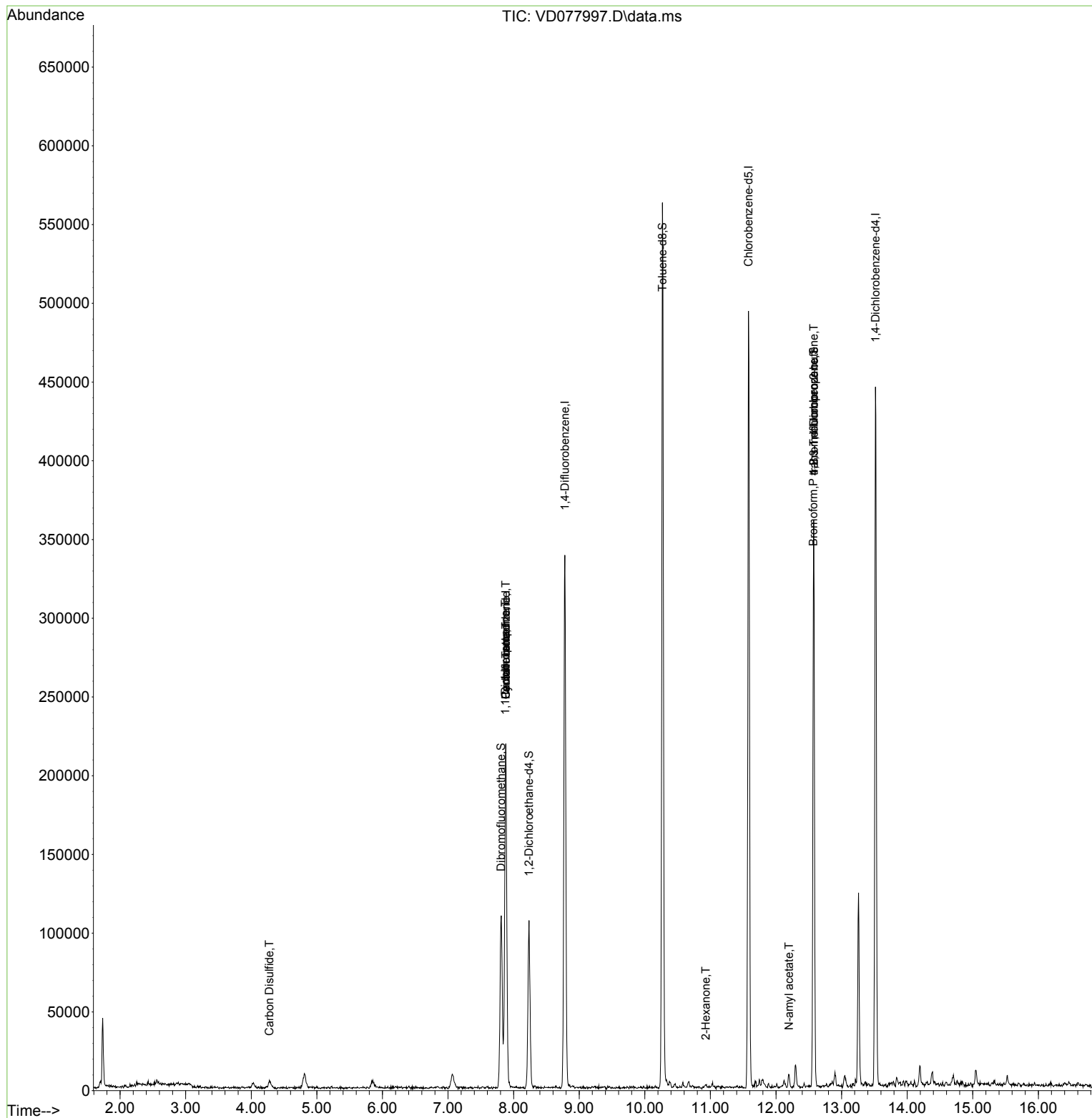
Internal Standards						
1) Pentafluorobenzene	7.881	168	162450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	302310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	283417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79068	41.305	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.620%
35) Dibromofluoromethane	7.810	113	80554	38.041	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.080%
50) Toluene-d8	10.269	98	385935	45.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.000%
62) 4-Bromofluorobenzene	12.575	95	108559	42.813	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.028	59	54	Below Cal	#	73
16) Acetone	4.028	43	5250	Below Cal		90
17) Carbon Disulfide	4.275	76	9759	1.477 ug/l	#	85
20) Methylene Chloride	4.805	84	6858	Below Cal	#	89
25) 2-Butanone	7.081	43	1471	Below Cal		90
31) Cyclohexane	7.881	56	3486	1.024 ug/l	#	65
36) 1,1-Dichloropropene	7.875	75	13947	4.118 ug/l	#	47
38) Carbon Tetrachloride	7.881	117	16189	4.794 ug/l	#	15
59) 2-Hexanone	10.928	43	1405	1.413 ug/l		97
71) Bromoform	12.569	173	1243	1.009 ug/l	#	28
74) N-amyl acetate	12.198	43	5007	2.854 ug/l	#	41
76) 1,2,3-Trichloropropane	12.575	75	57823	56.529 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57823	114.532 ug/l	#	18
88) 1,4-Dichlorobenzene	13.540	146	56	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.422	75	77	Below Cal	#	1

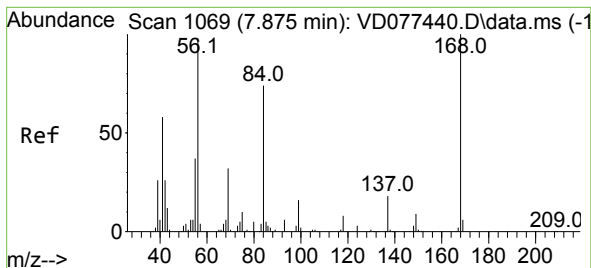
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

Instrument :

MSVOA_D

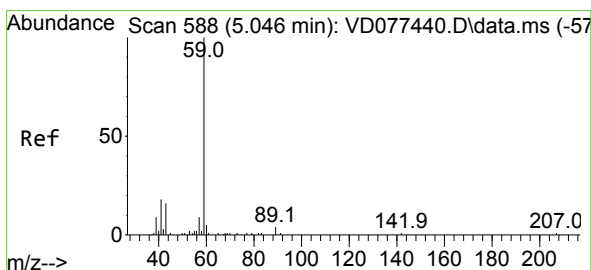
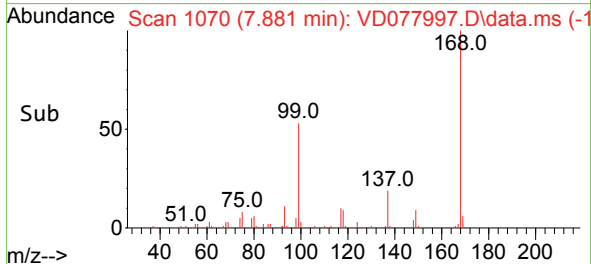
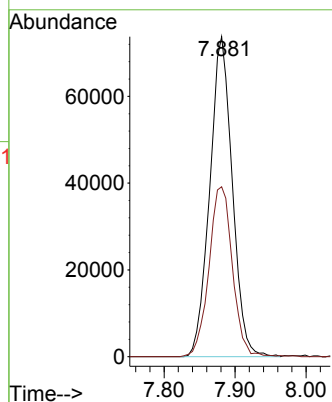
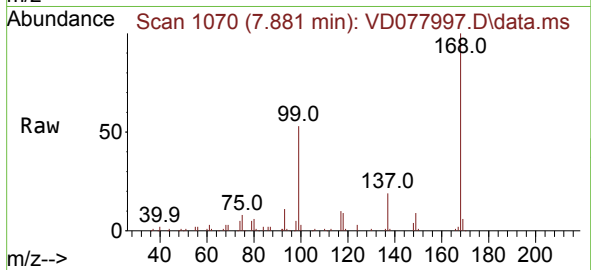
ClientSampleId :

Tgt Ion:168 Resp: 162450

Ion Ratio Lower Upper

168 100

99 53.1 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: VD077997.D

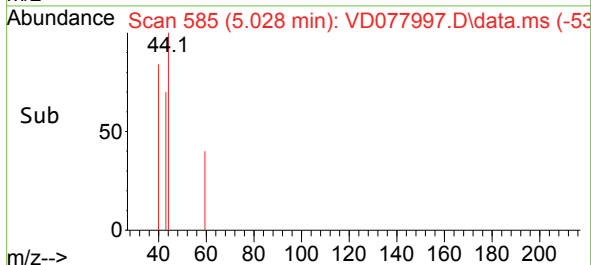
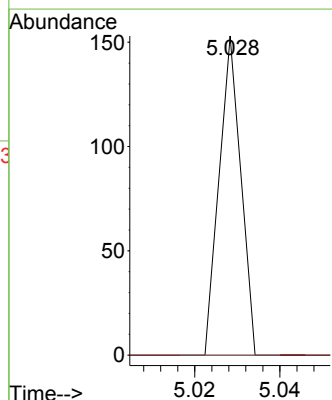
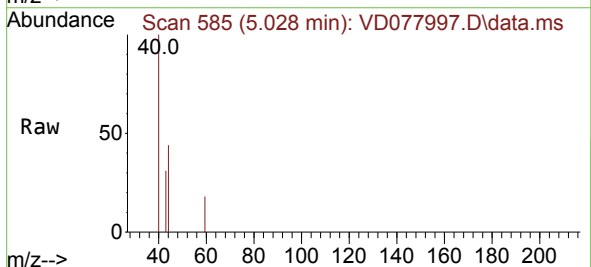
Acq: 20 Dec 2023 15:56

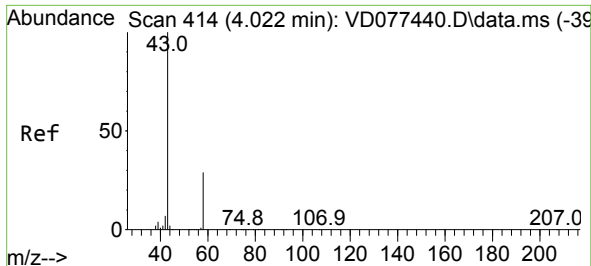
Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

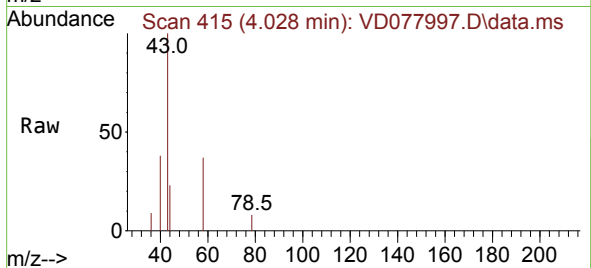
57 0.0 7.8 11.8#



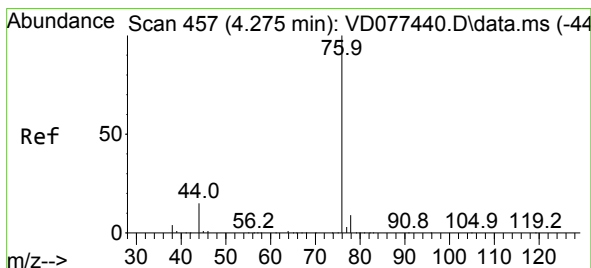
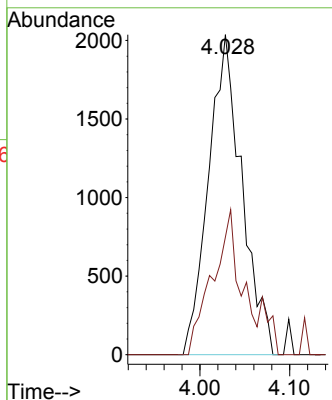
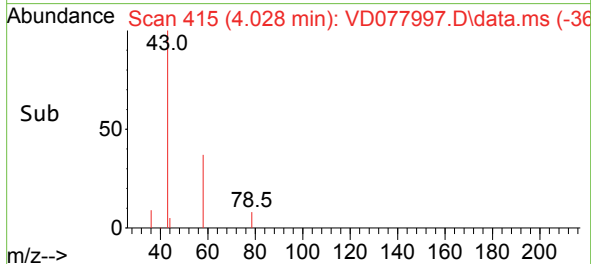


#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

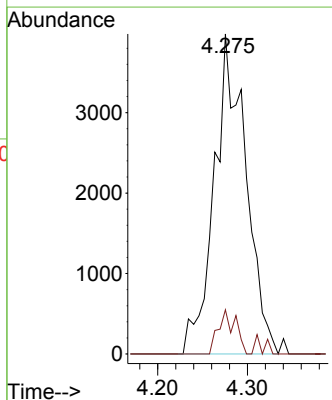
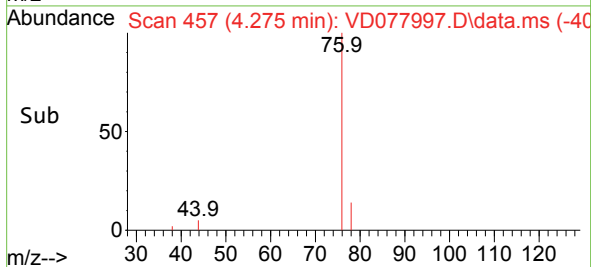
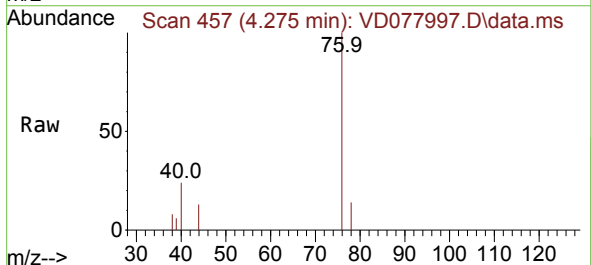


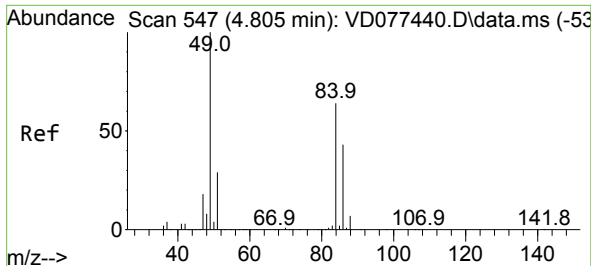
Tgt Ion: 43 Resp: 5250
Ion Ratio Lower Upper
43 100
58 36.8 34.7 52.1



#17
Carbon Disulfide
Concen: 1.477 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

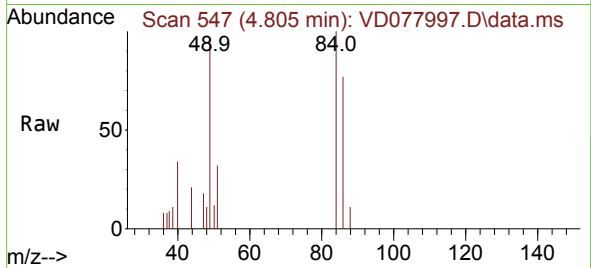
Tgt Ion: 76 Resp: 9759
Ion Ratio Lower Upper
76 100
78 13.8 6.8 10.2#



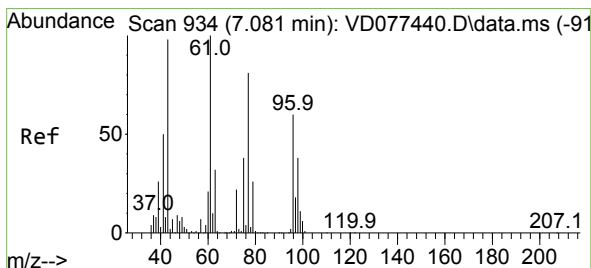
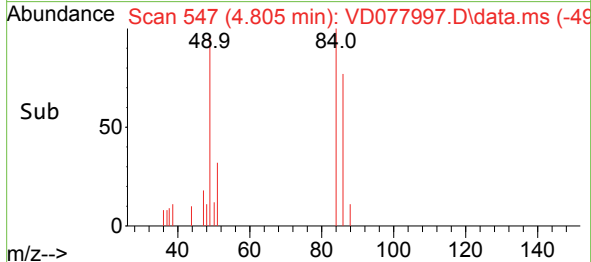
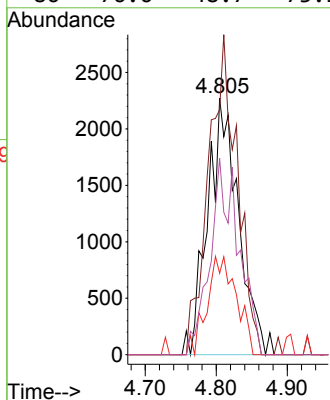


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

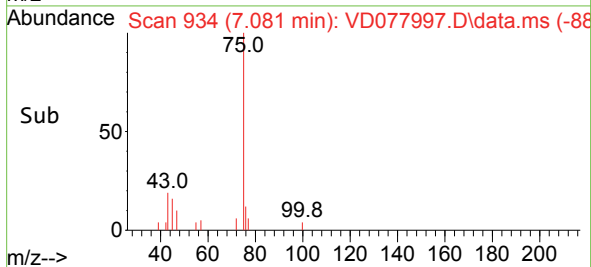
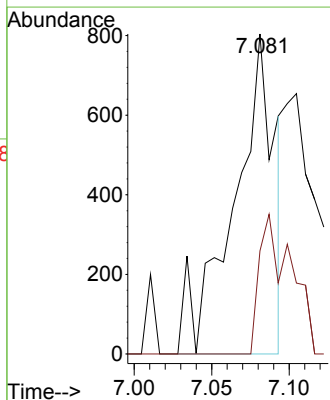
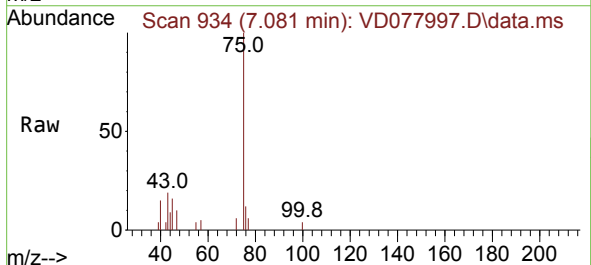


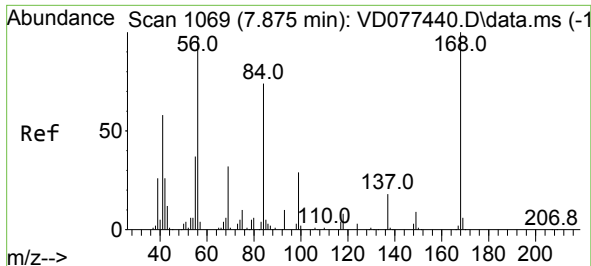
Tgt Ion:	84	Resp:	6858
Ion	Ratio	Lower	Upper
84	100		
49	95.5	71.4	107.2
51	31.7	24.5	36.7
86	76.6	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

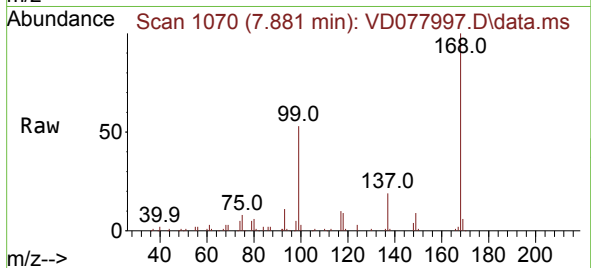
Tgt Ion:	43	Resp:	1471
Ion	Ratio	Lower	Upper
43	100		
72	32.2	30.7	46.1



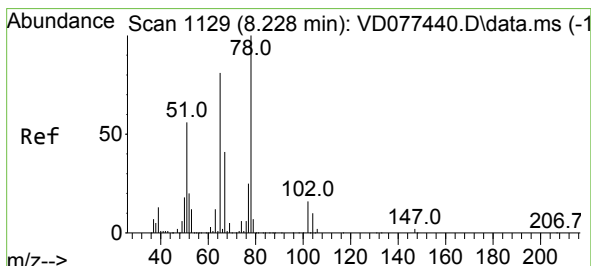
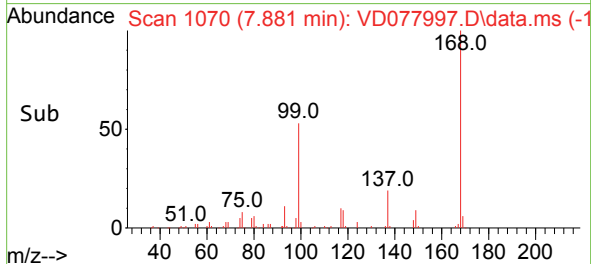
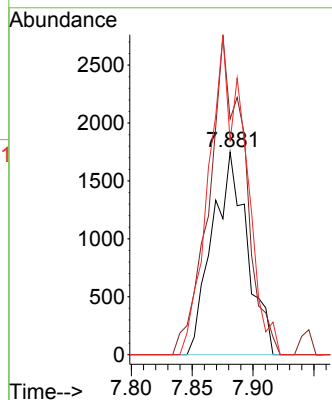


#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

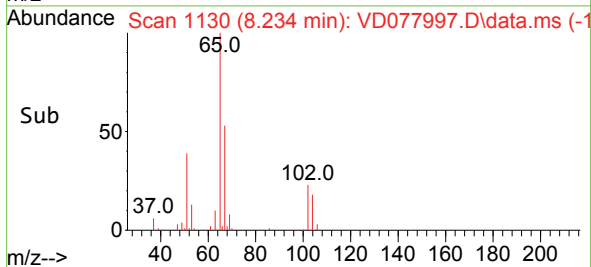
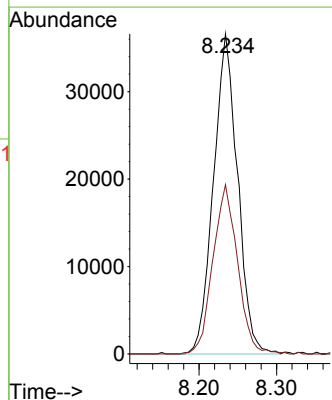
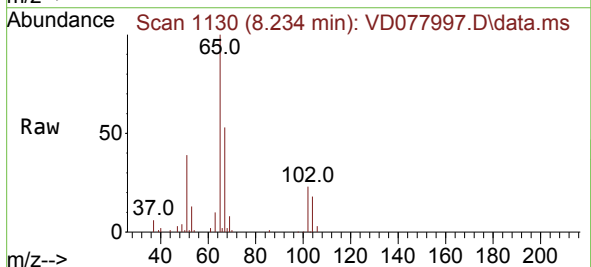


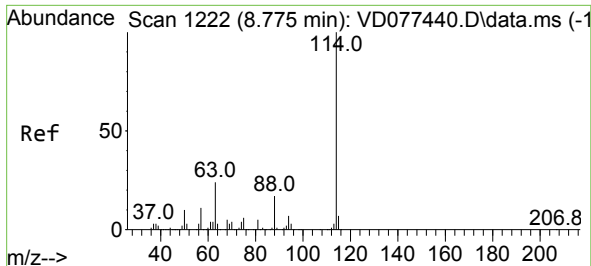
Tgt Ion: 56 Resp: 3486
Ion Ratio Lower Upper
56 100
69 116.2 28.6 43.0#
84 105.3 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 41.305 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Tgt Ion: 65 Resp: 79068
Ion Ratio Lower Upper
65 100
67 54.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

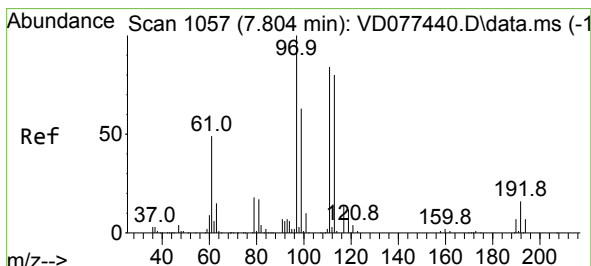
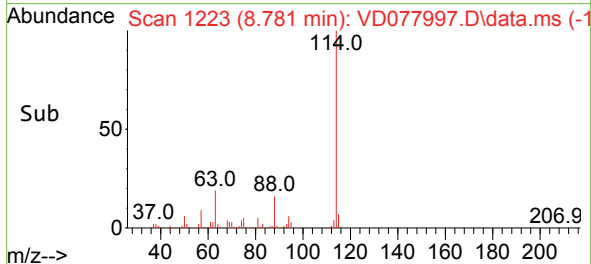
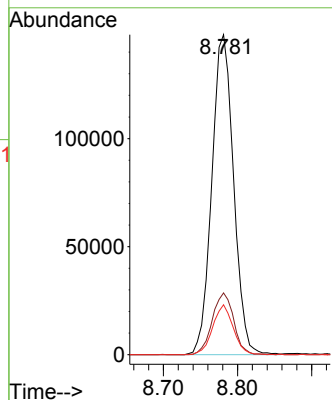
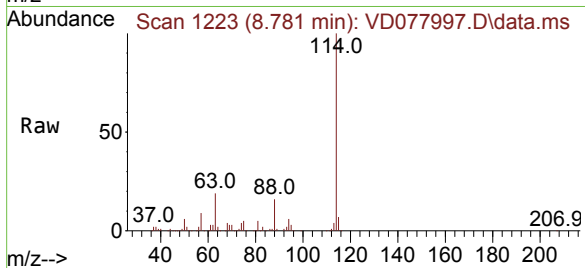
Tgt Ion:114 Resp: 302310

Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

88 15.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 38.041 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

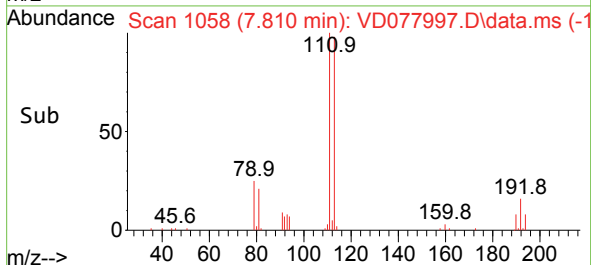
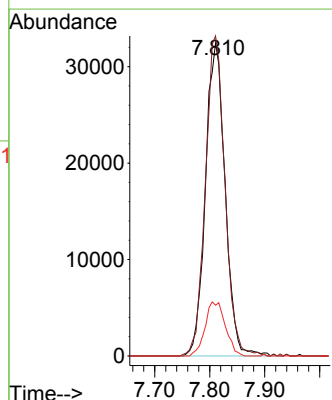
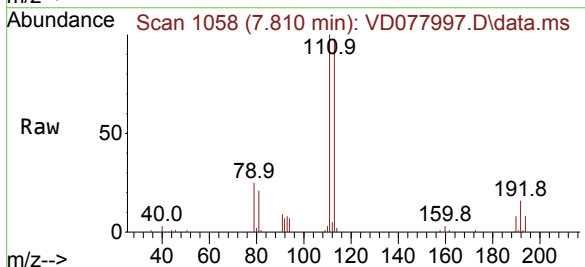
Tgt Ion:113 Resp: 80554

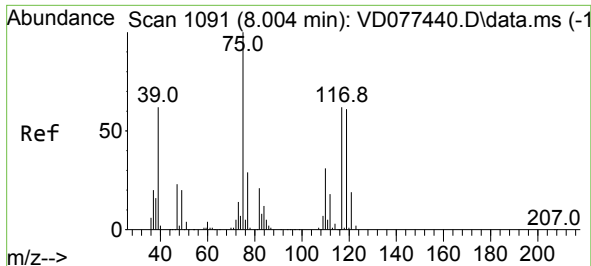
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

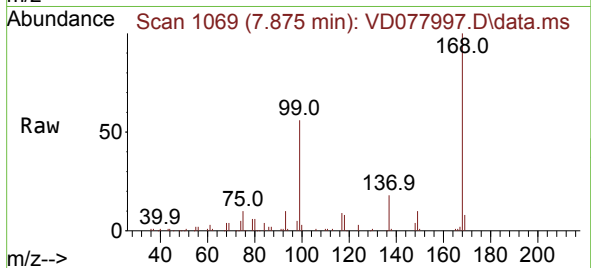
192 17.9 16.8 25.2



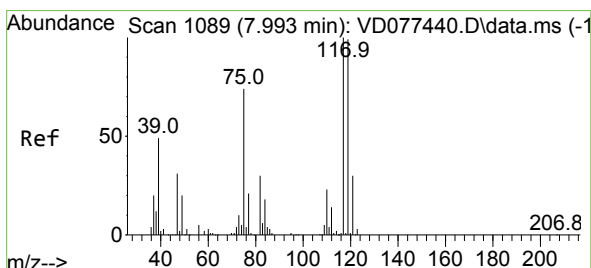
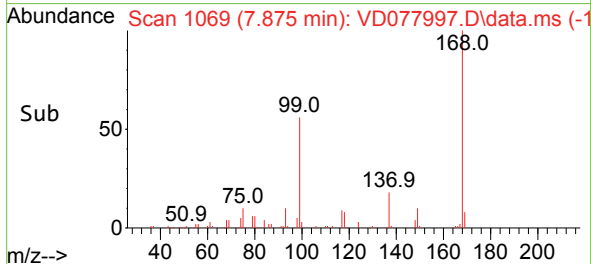
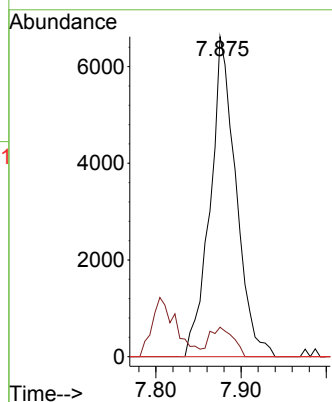


#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

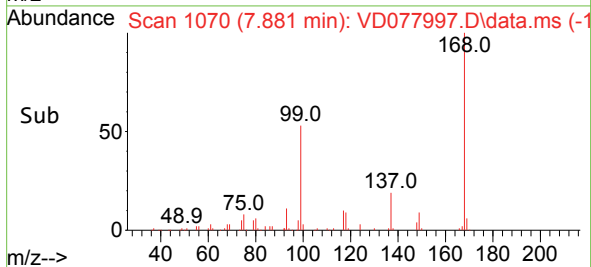
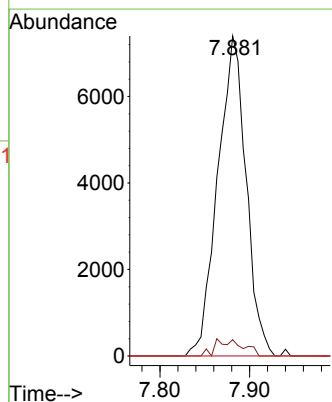
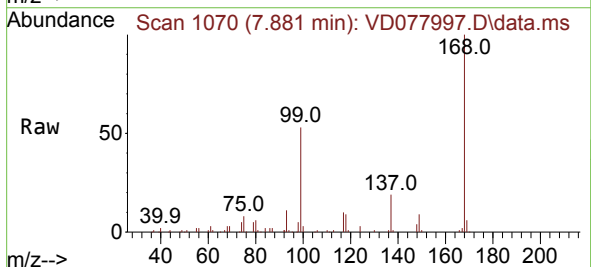


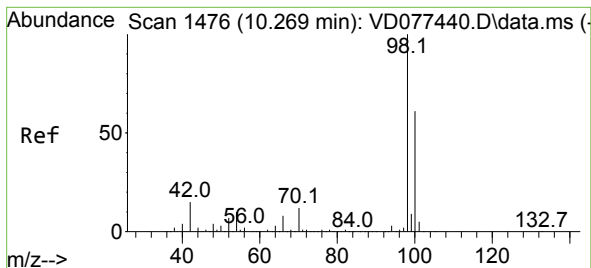
Tgt Ion: 75 Resp: 13947
Ion Ratio Lower Upper
75 100
110 8.4 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.794 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Tgt Ion: 117 Resp: 16189
Ion Ratio Lower Upper
117 100
119 5.1 78.0 117.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 45.505 ug/l

RT: 10.269 min Scan# 14

Delta R.T. 0.000 min

Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

Instrument :

MSVOA_D

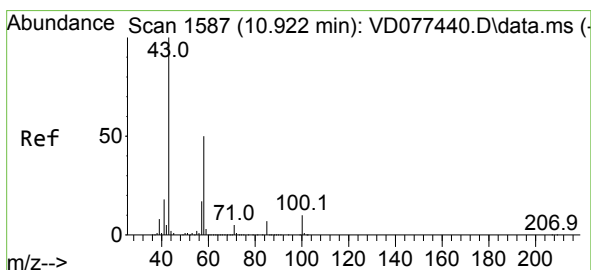
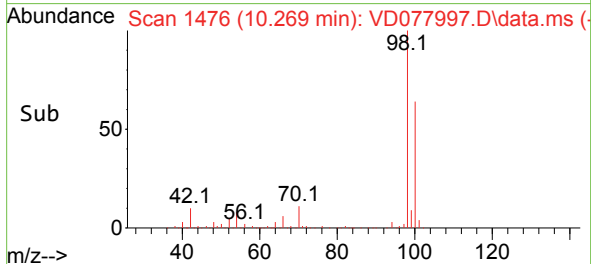
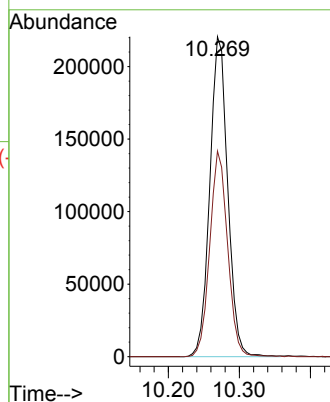
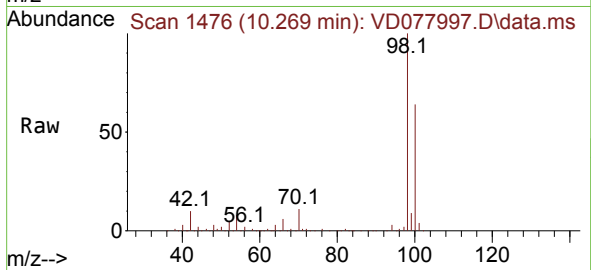
ClientSampleId :

Tgt Ion: 98 Resp: 385935

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5



#59

2-Hexanone

Concen: 1.413 ug/l

RT: 10.928 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VD077997.D

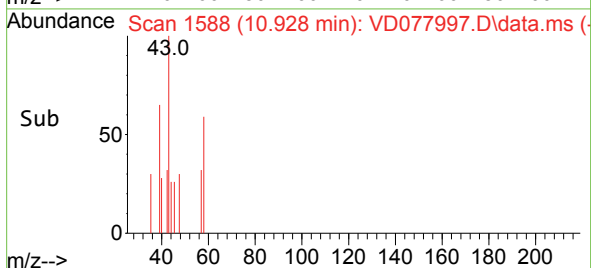
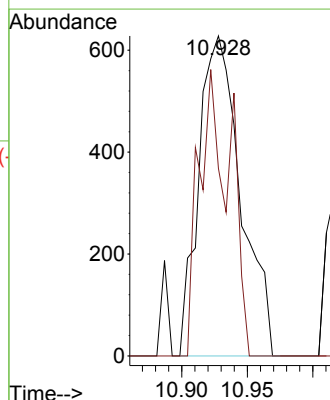
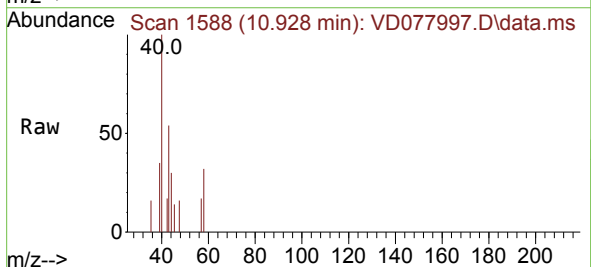
Acq: 20 Dec 2023 15:56

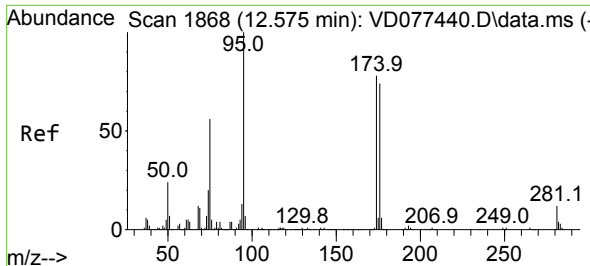
Tgt Ion: 43 Resp: 1405

Ion Ratio Lower Upper

43 100

58 65.8 34.1 102.2

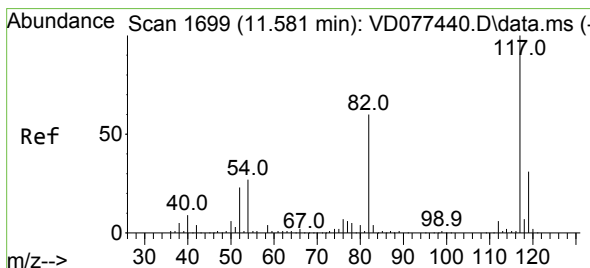
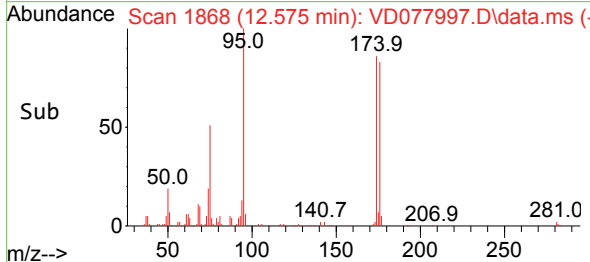
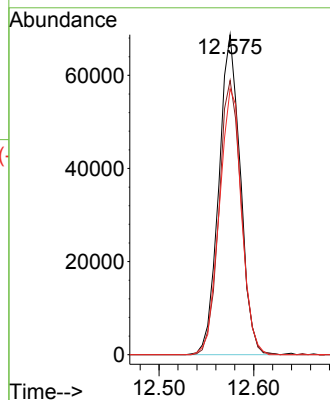
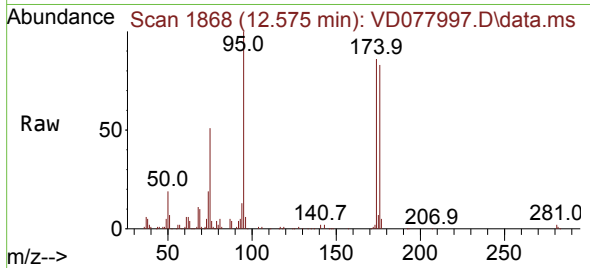




#62
4-Bromofluorobenzene
Concen: 42.813 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

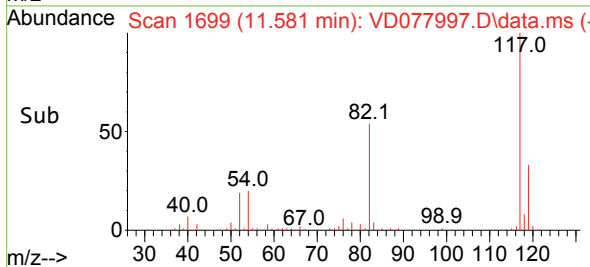
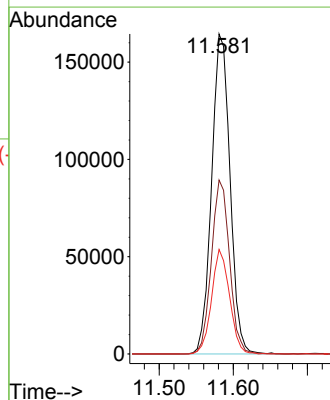
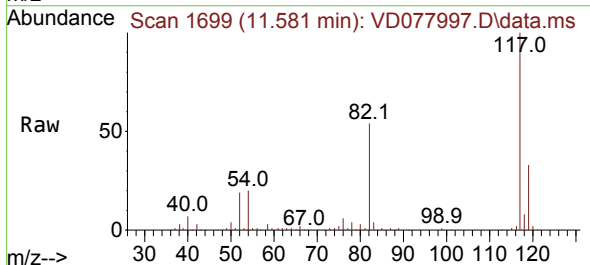
Instrument :
MSVOA_D
ClientSampleId :

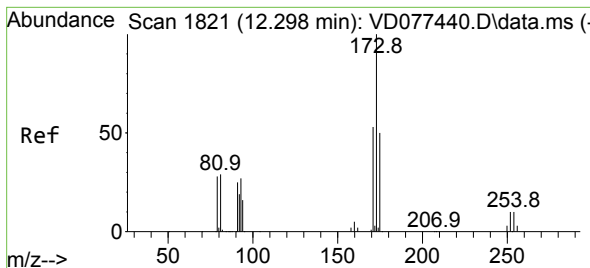
Tgt Ion: 95 Resp: 108559
Ion Ratio Lower Upper
95 100
174 87.6 0.0 201.8
176 86.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Tgt Ion: 117 Resp: 283417
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 32.7 25.0 37.4





#71

Bromoform

Concen: 1.009 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

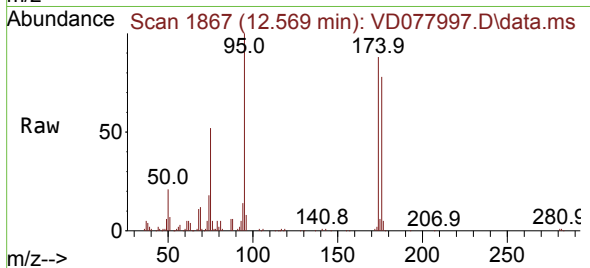
Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :



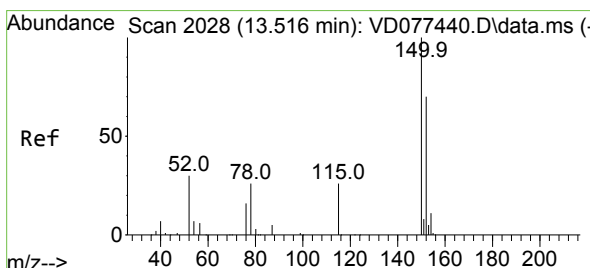
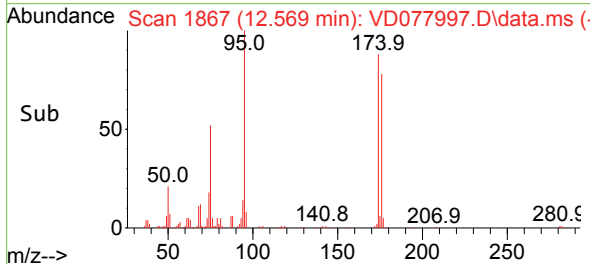
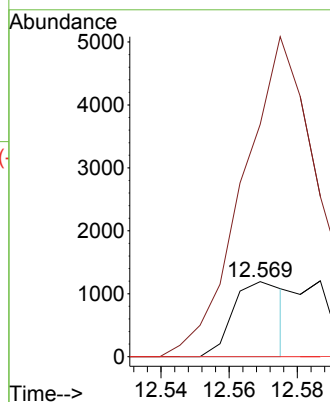
Tgt Ion:173 Resp: 1243

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

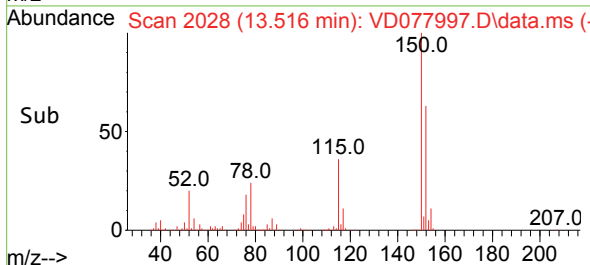
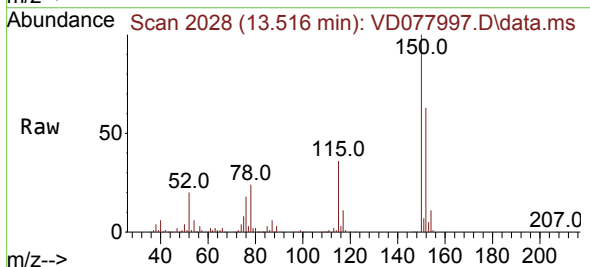
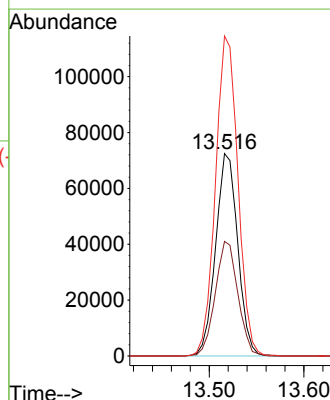
Tgt Ion:152 Resp: 117776

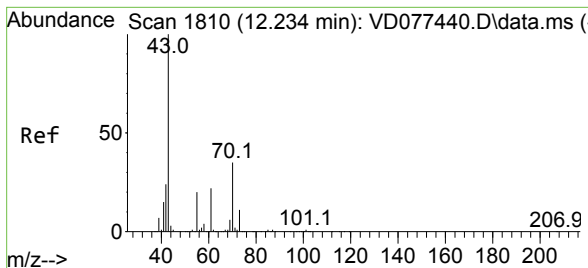
Ion Ratio Lower Upper

152 100

115 57.9 27.1 81.3

150 160.4 0.0 353.6





#74

N-amy1 acetate

Concen: 2.854 ug/l

RT: 12.198 min Scan# 1804

Delta R.T. -0.036 min

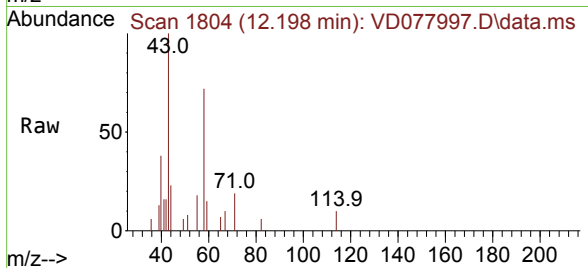
Lab File: VD077997.D

Acq: 20 Dec 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 5007

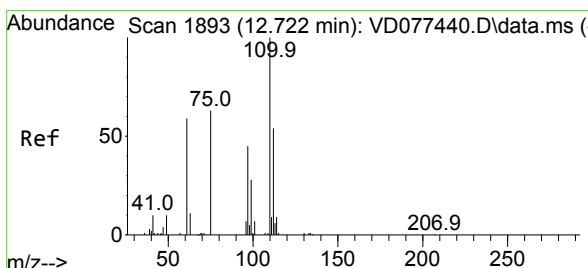
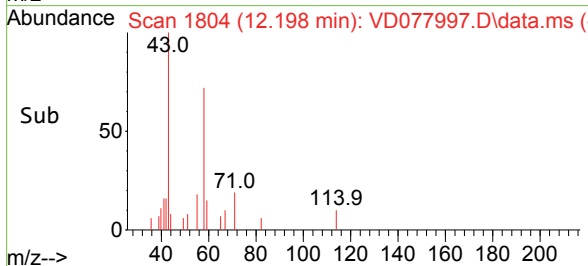
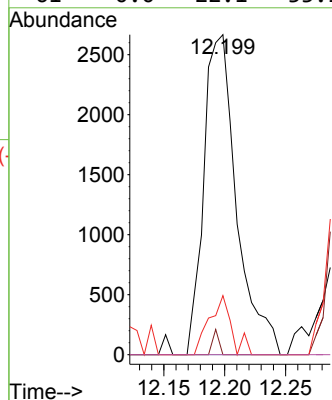
Ion Ratio Lower Upper

43 100

70 0.0 45.0 67.4#

55 12.5 23.8 35.6#

61 0.0 22.1 33.1#



#76

1,2,3-Trichloropropane

Concen: 56.529 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077997.D

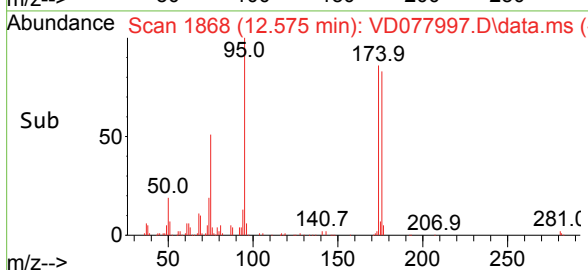
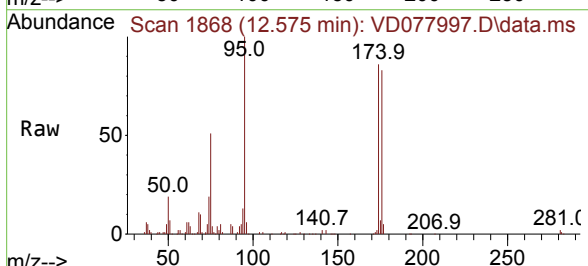
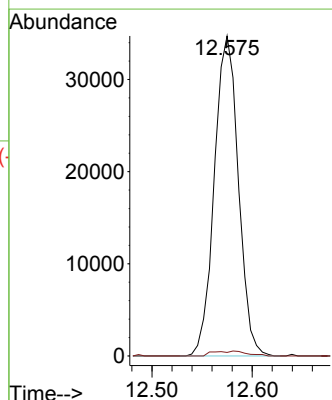
Acq: 20 Dec 2023 15:56

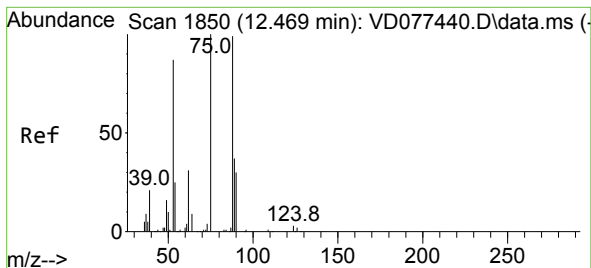
Tgt Ion: 75 Resp: 57823

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#

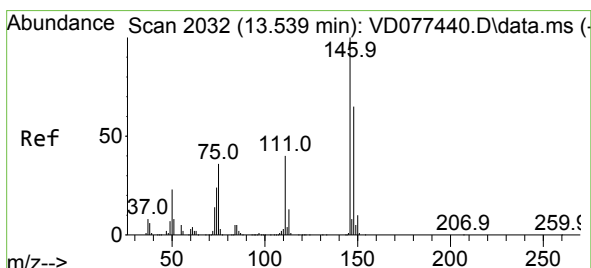
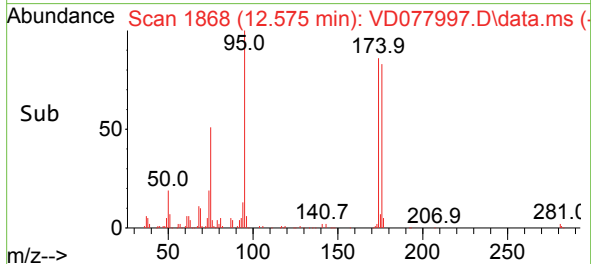
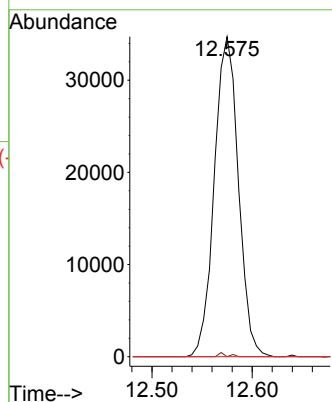
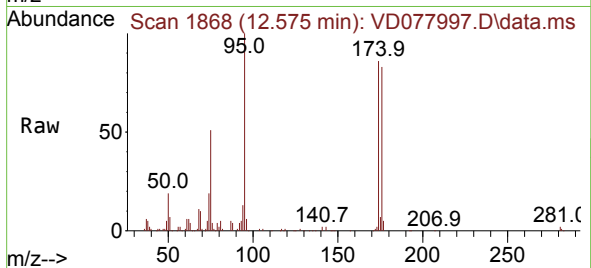




#81
trans-1,4-Dichloro-2-butene
Concen: 114.532 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077997.D
Acq: 20 Dec 2023 15:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 57823
Ion Ratio Lower Upper
75 100
53 0.4 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: VD077997.D
Acq: 20 Dec 2023 15:56

Tgt Ion:146 Resp: 56
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 1067.9 31.7 95.1#

