

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078409.D
 Acq On : 14 Feb 2024 11:58
 Operator : RP/MD
 Sample : VD0214SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 03:39:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

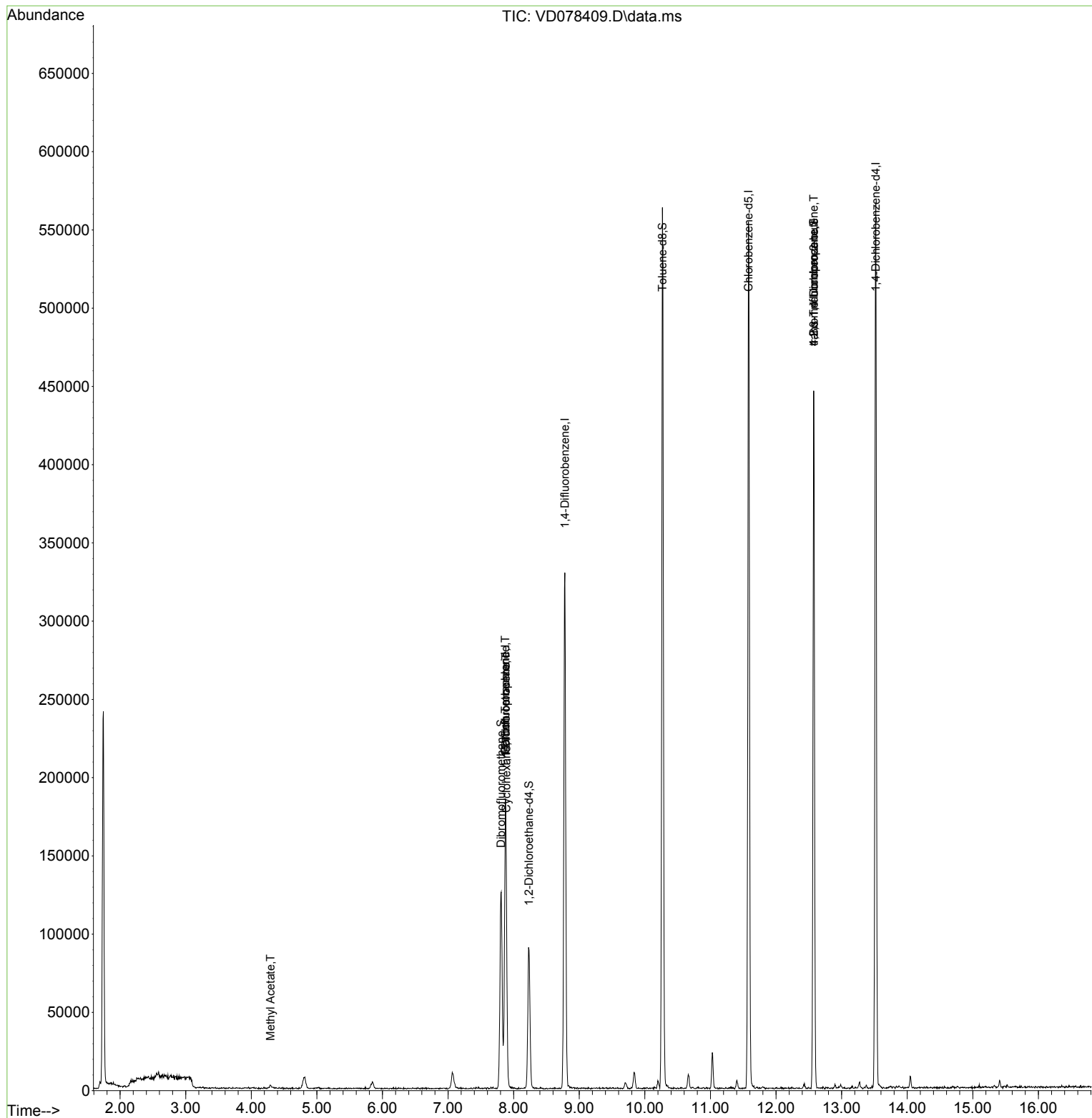
Internal Standards						
1) Pentafluorobenzene	7.875	168	138001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	299315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	152205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71780	48.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.220%
35) Dibromofluoromethane	7.810	113	93120	48.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.960%
50) Toluene-d8	10.269	98	386743	50.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.575	95	126567	57.185	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	404	Below Cal	#	73
16) Acetone	4.040	43	721	Below Cal	#	32
18) Methyl Acetate	4.293	43	653	4.509	ug/l #	42
23) Vinyl Acetate	6.063	43	66	Below Cal	#	63
25) 2-Butanone	7.099	43	57	Below Cal	#	37
31) Cyclohexane	7.887	56	3219	1.275	ug/l #	52
36) 1,1-Dichloropropene	7.881	75	12302	4.165	ug/l #	49
38) Carbon Tetrachloride	7.875	117	14094	4.818	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	66871	51.751	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66871	107.436	ug/l #	17

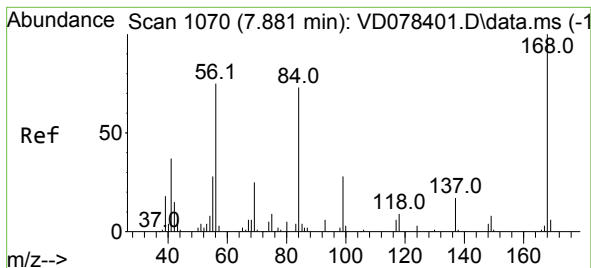
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078409.D

Acq: 14 Feb 2024 11:58

Instrument :

MSVOA_D

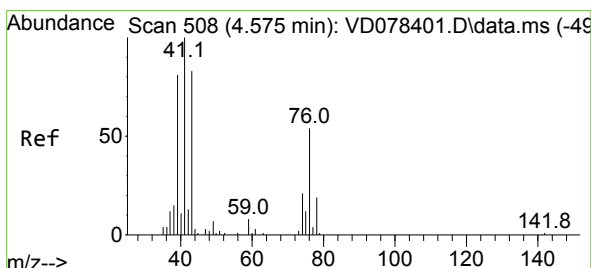
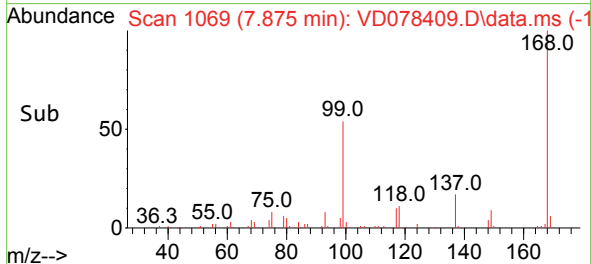
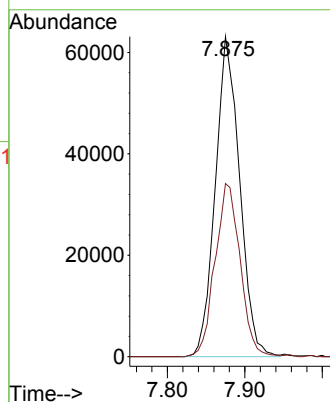
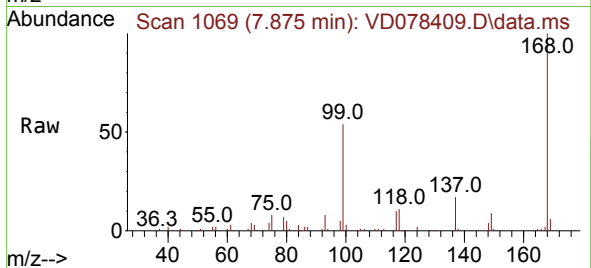
ClientSampleId :

Tgt Ion:168 Resp: 138001

Ion Ratio Lower Upper

168 100

99 54.1 36.7 55.1



#18

Methyl Acetate

Concen: 4.509 ug/l

RT: 4.293 min Scan# 460

Delta R.T. -0.282 min

Lab File: VD078409.D

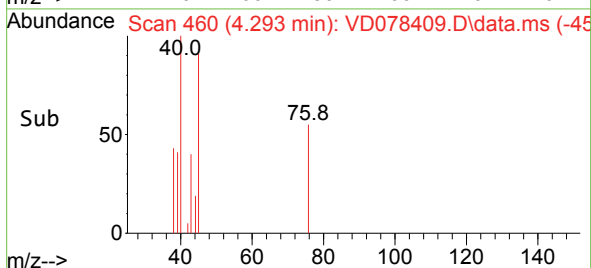
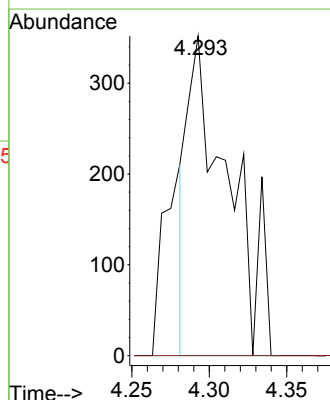
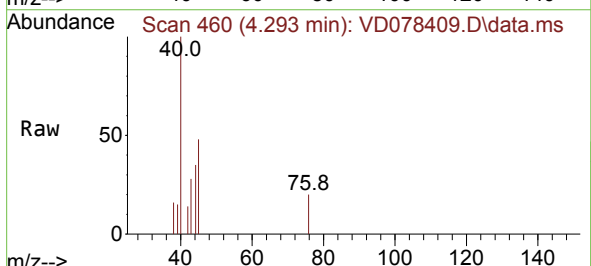
Acq: 14 Feb 2024 11:58

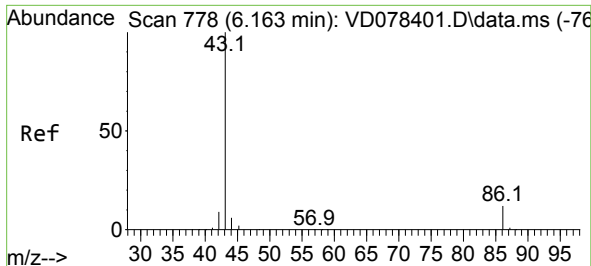
Tgt Ion: 43 Resp: 653

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#





#23

Vinyl Acetate

Concen: Below Cal

RT: 6.063 min Scan# 778

Delta R.T. -0.100 min

Lab File: VD078409.D

Acq: 14 Feb 2024 11:58

Instrument :

MSVOA_D

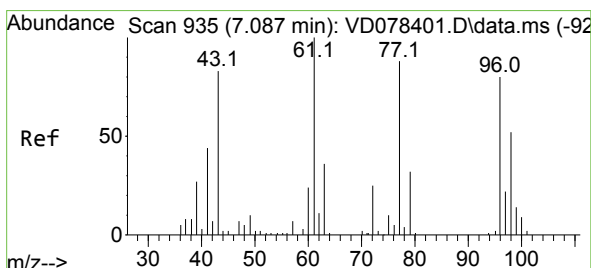
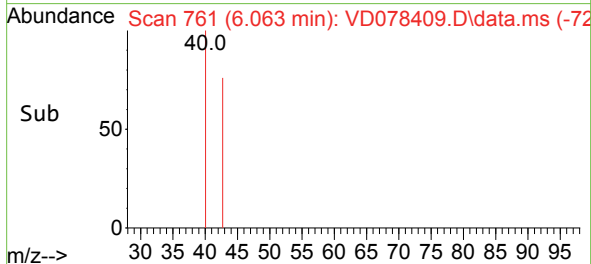
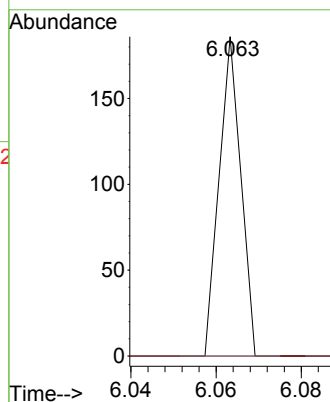
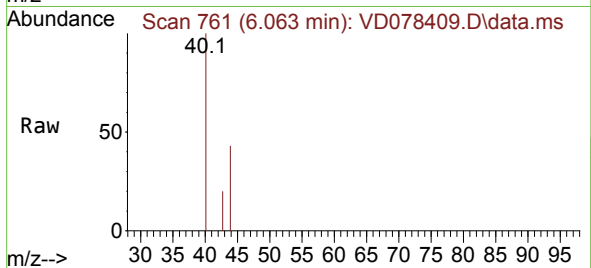
ClientSampleId :

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

86 0.0 12.5 18.7#



#25

2-Butanone

Concen: Below Cal

RT: 7.099 min Scan# 937

Delta R.T. 0.012 min

Lab File: VD078409.D

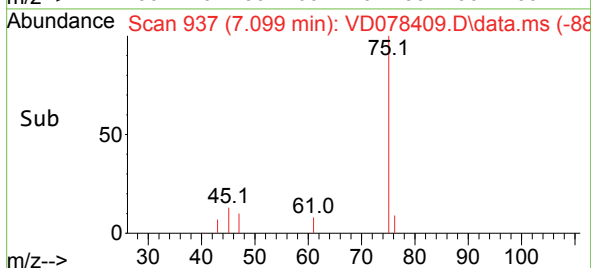
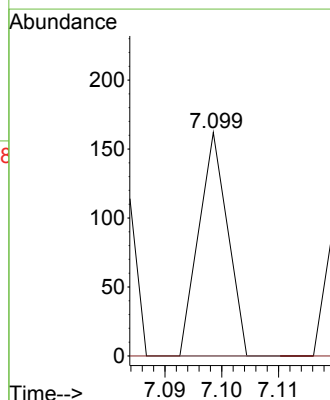
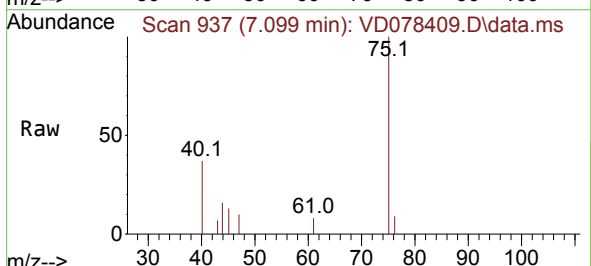
Acq: 14 Feb 2024 11:58

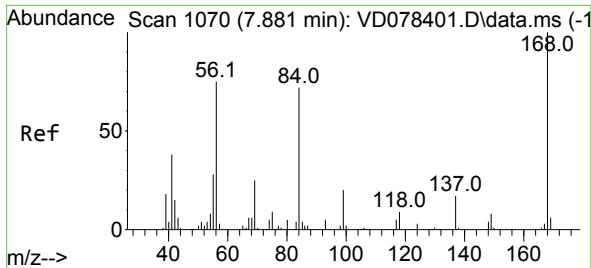
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#

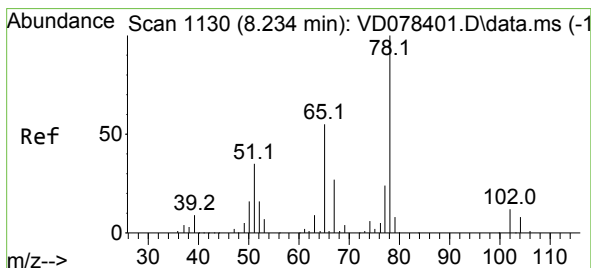
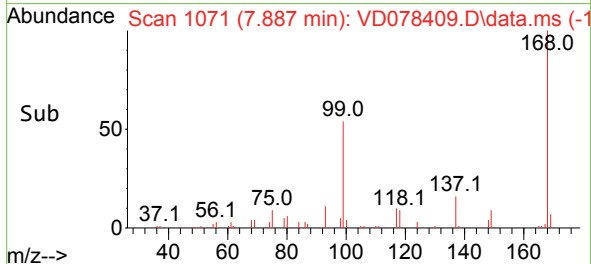
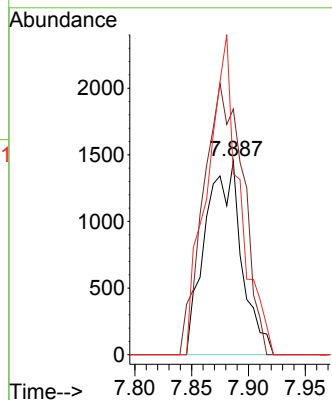
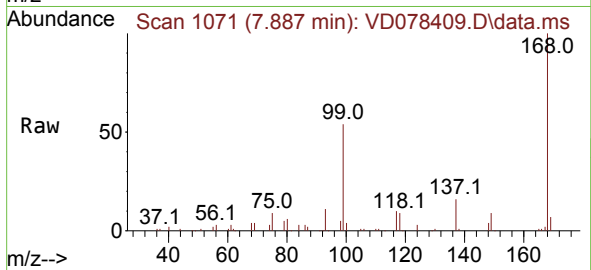




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.887 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

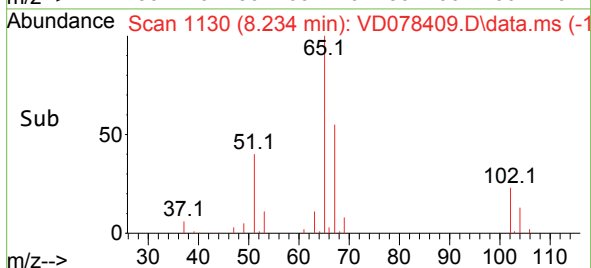
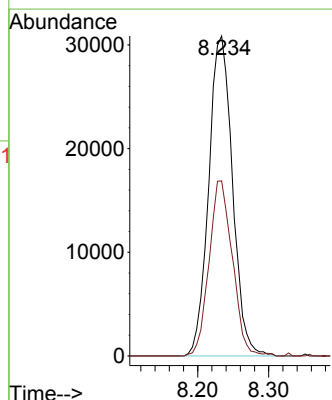
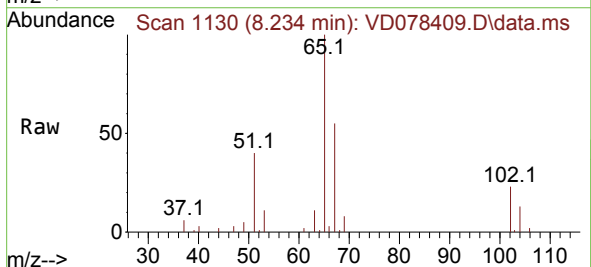
Instrument :
MSVOA_D
ClientSampleId :

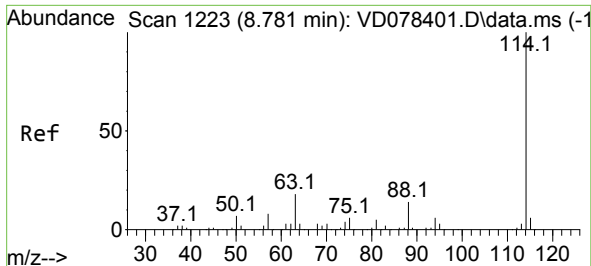
Tgt Ion: 56 Resp: 3219
Ion Ratio Lower Upper
56 100
69 126.9 28.6 43.0#
84 93.5 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 48.106 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

Tgt Ion: 65 Resp: 71780
Ion Ratio Lower Upper
65 100
67 53.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078409.D

Acq: 14 Feb 2024 11:58

Instrument :

MSVOA_D

ClientSampleId :

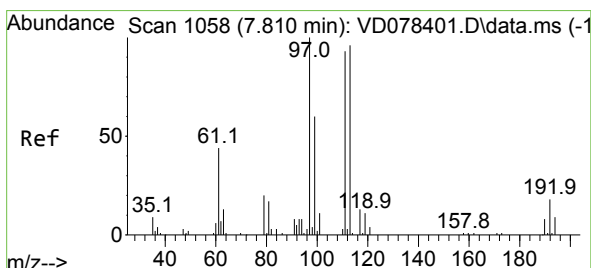
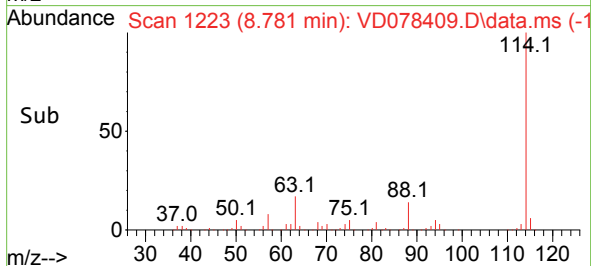
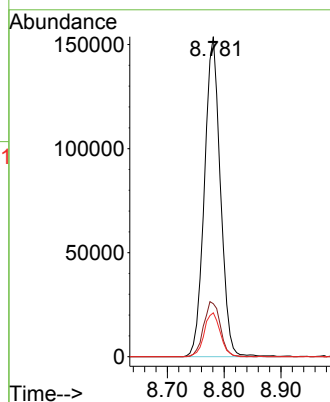
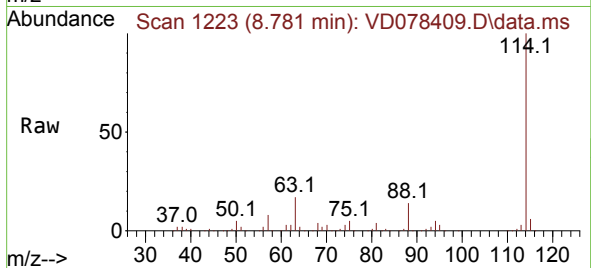
Tgt Ion:114 Resp: 299315

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.977 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078409.D

Acq: 14 Feb 2024 11:58

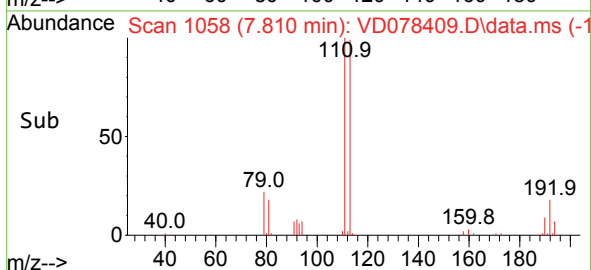
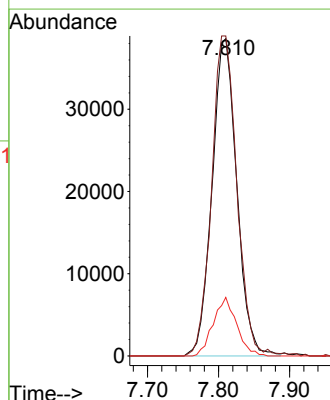
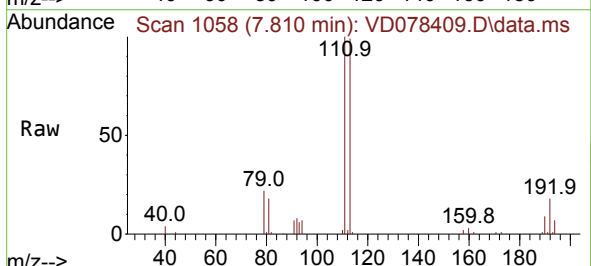
Tgt Ion:113 Resp: 93120

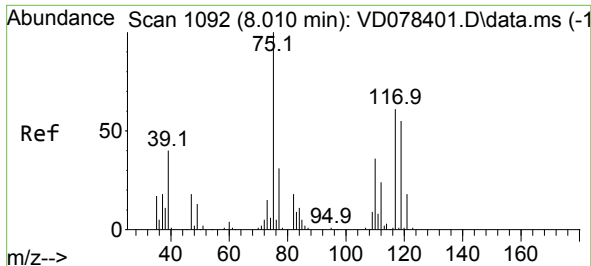
Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 17.5 16.8 25.2

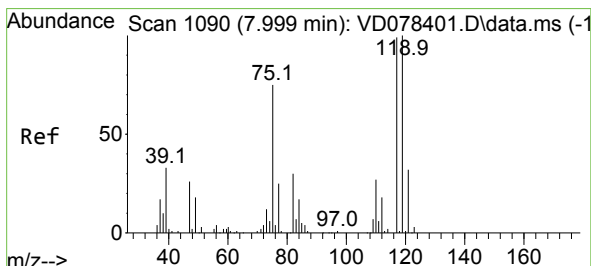
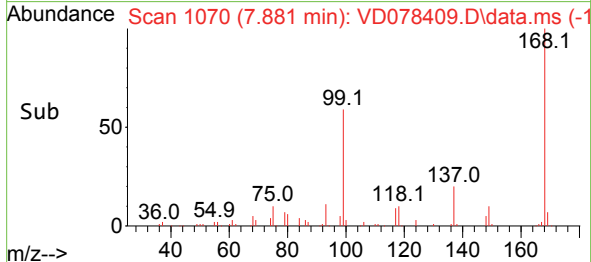
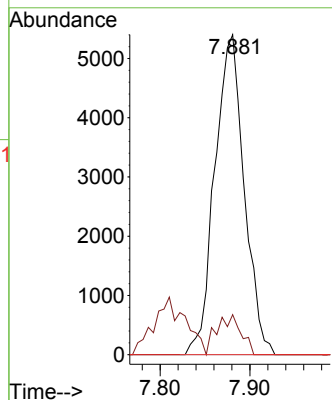
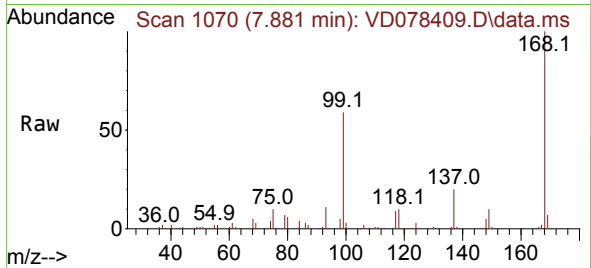




#36
1,1-Dichloropropene
Concen: 4.165 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

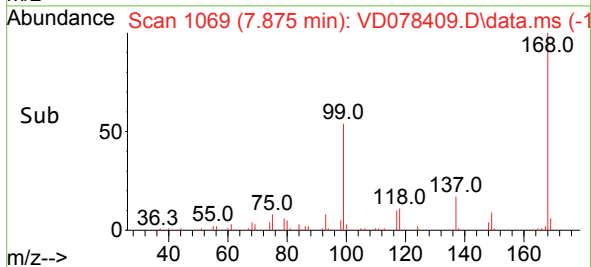
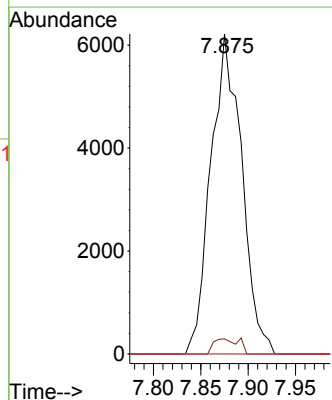
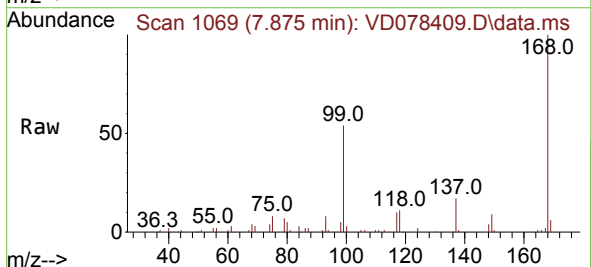
Instrument :
MSVOA_D
ClientSampleId :

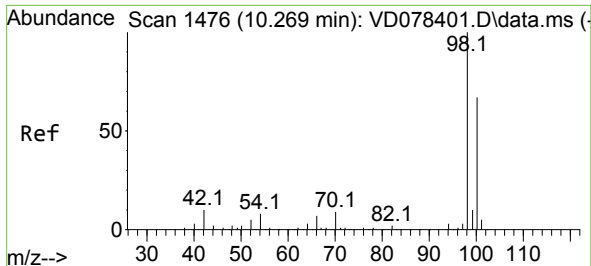
Tgt Ion: 75 Resp: 12302
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.818 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

Tgt Ion: 117 Resp: 14094
Ion Ratio Lower Upper
117 100
119 4.7 78.0 117.0#
121 0.0 24.2 36.2#

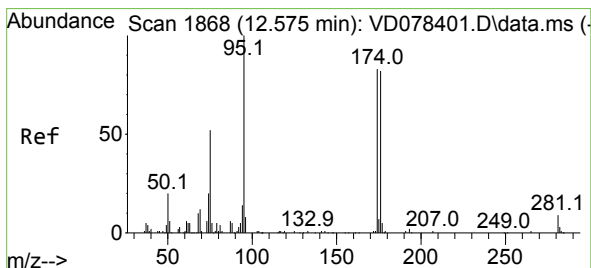
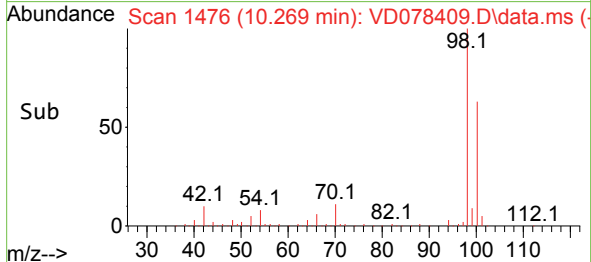
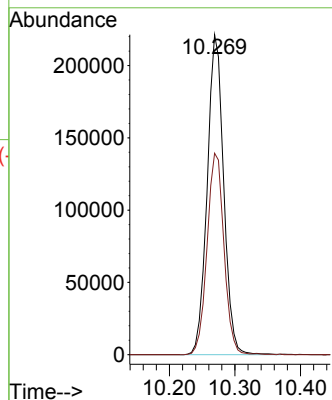
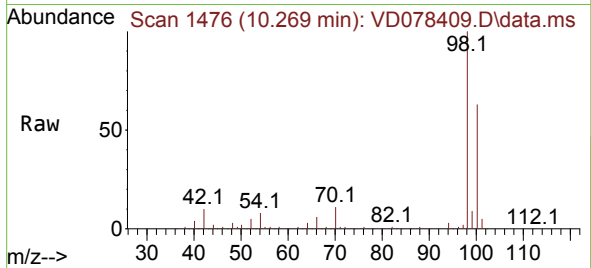




#50
Toluene-d8
Concen: 50.849 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

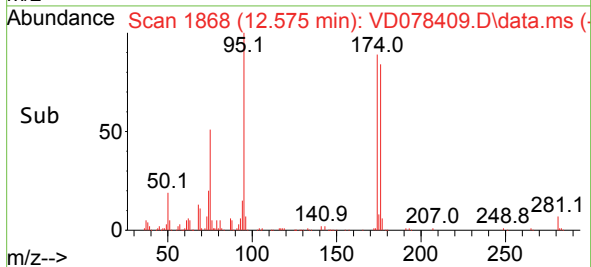
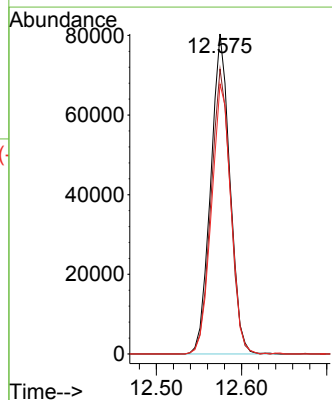
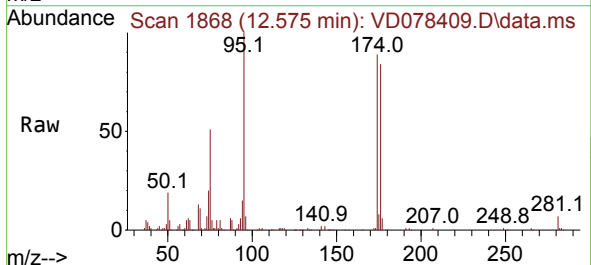
Instrument :
MSVOA_D
ClientSampleId :

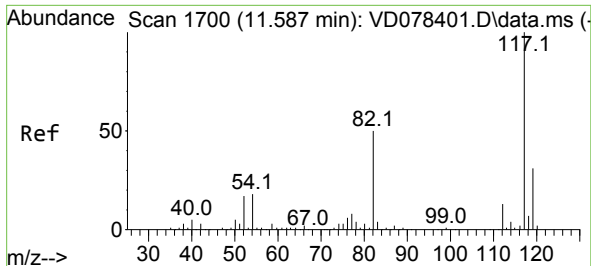
Tgt Ion: 98 Resp: 386743
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 57.185 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

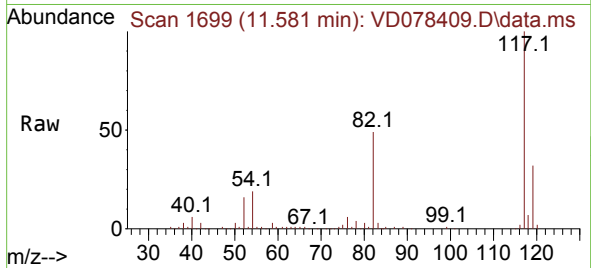
Tgt Ion: 95 Resp: 126567
Ion Ratio Lower Upper
95 100
174 89.2 0.0 201.8
176 85.3 0.0 191.8



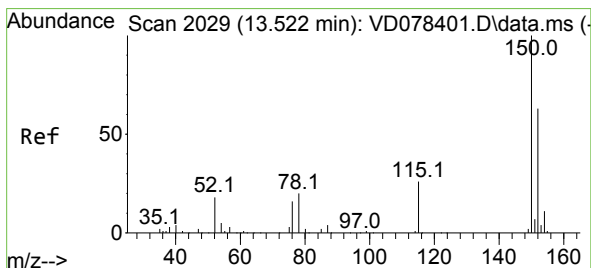
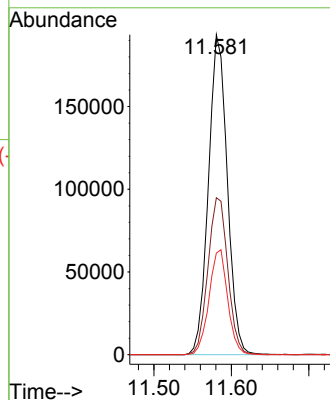
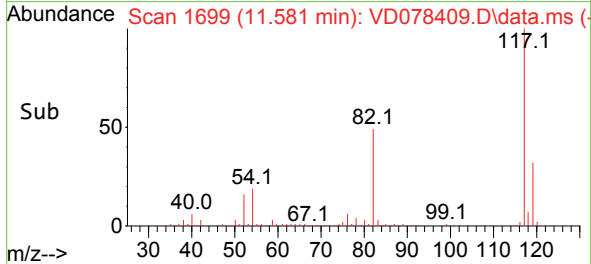


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

Instrument :
MSVOA_D
ClientSampleId :

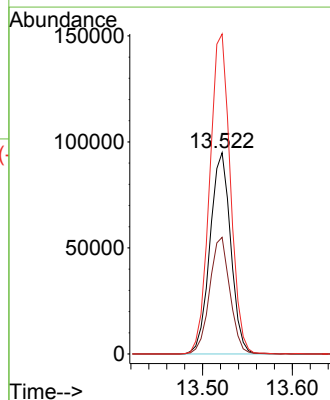
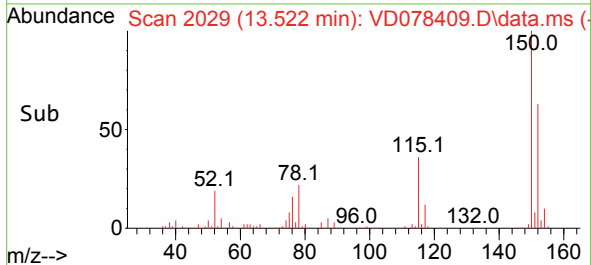
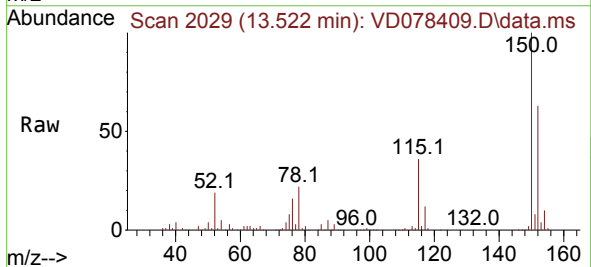


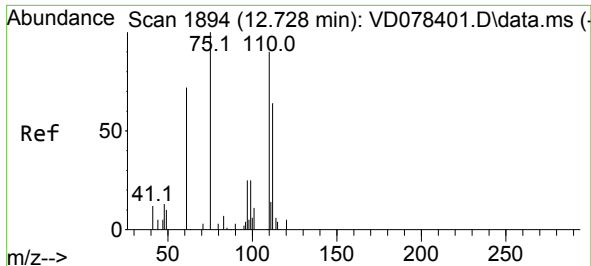
Tgt Ion:117 Resp: 327922
Ion Ratio Lower Upper
117 100
82 49.0 38.3 57.5
119 31.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

Tgt Ion:152 Resp: 152205
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 158.4 0.0 353.6

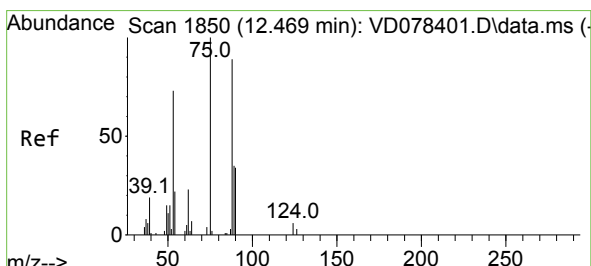
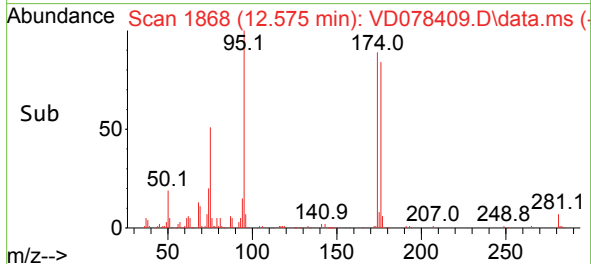
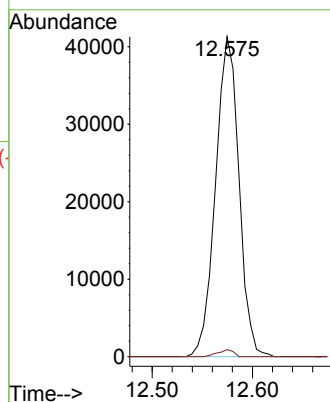
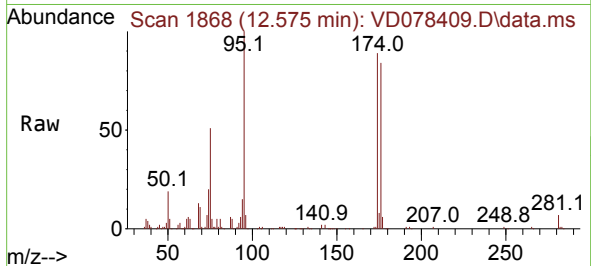




#76
1,2,3-Trichloropropane
Concen: 51.751 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 66871
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.436 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078409.D
Acq: 14 Feb 2024 11:58

Tgt Ion: 75 Resp: 66871
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.3 37.9 56.9#

