

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078442.D
 Acq On : 15 Feb 2024 18:09
 Operator : RP/MD
 Sample : P1461-01
 Misc : 4.69G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Feb 16 02:38:57 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)

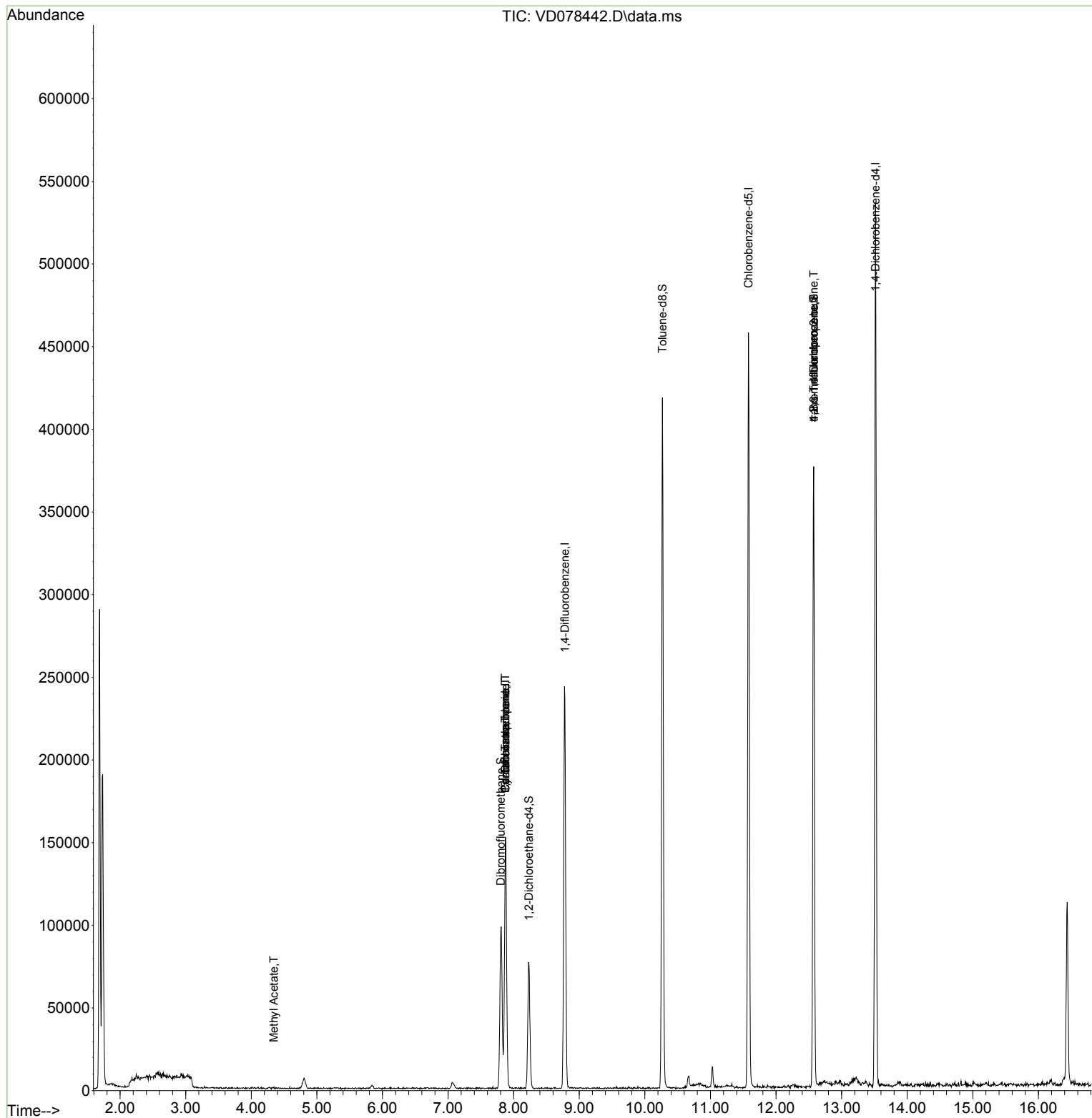
Internal Standards						
1) Pentafluorobenzene	7.875	168	116022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	227348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	271803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	60790	48.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.920%
35) Dibromofluoromethane	7.804	113	73703	51.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.080%
50) Toluene-d8	10.269	98	288200	49.888	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.780%
62) 4-Bromofluorobenzene	12.575	95	116531	69.317	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	138.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.063	59	67	Below Cal	#	73
16) Acetone	4.022	43	761	Below Cal	#	32
18) Methyl Acetate	4.346	43	63	4.005	ug/l #	42
23) Vinyl Acetate	6.410	43	83	Below Cal	#	63
25) 2-Butanone	7.075	43	325	Below Cal	#	37
31) Cyclohexane	7.875	56	2548	1.201	ug/l #	58
36) 1,1-Dichloropropene	7.875	75	9319	4.154	ug/l #	45
38) Carbon Tetrachloride	7.875	117	11876	5.345	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	61814	50.914	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61814	105.698	ug/l #	17

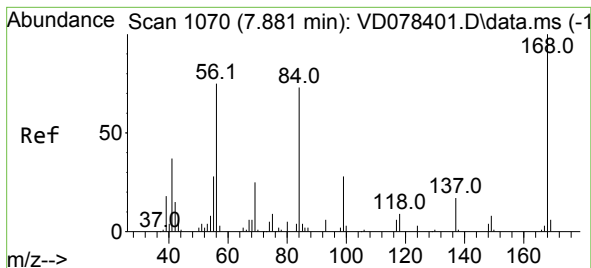
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

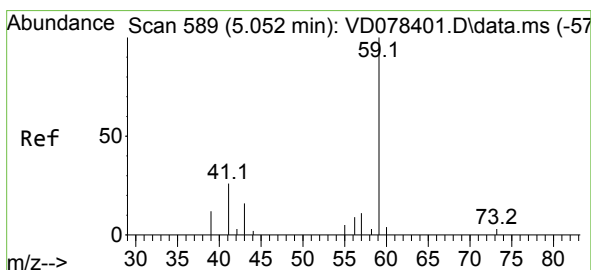
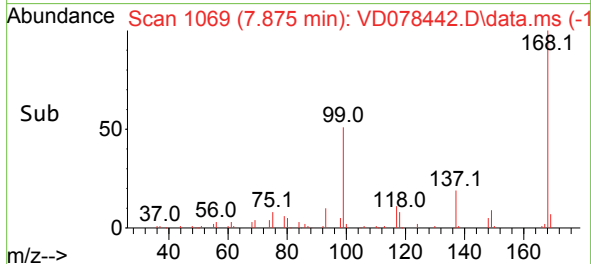
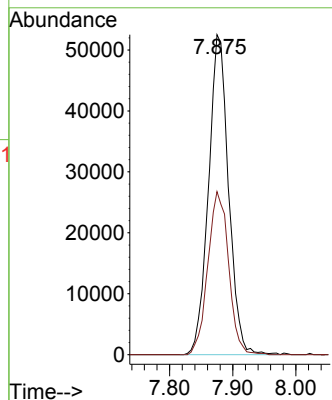
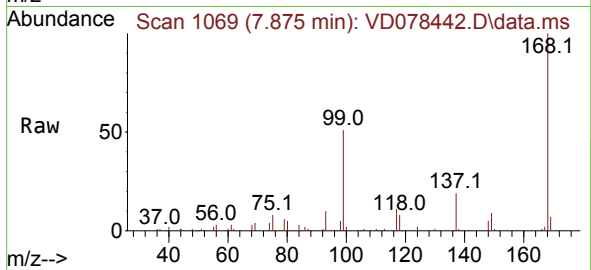




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

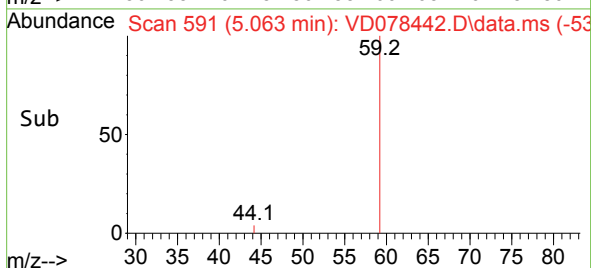
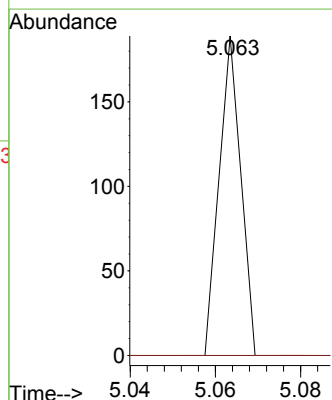
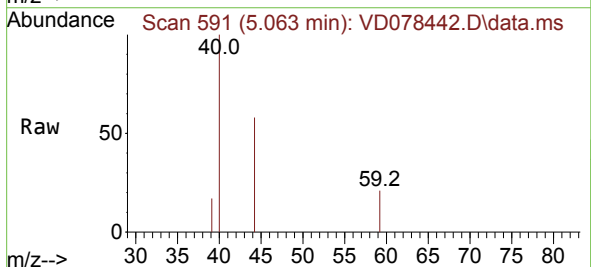
Instrument :
MSVOA_D
ClientSampleId :
TP-2

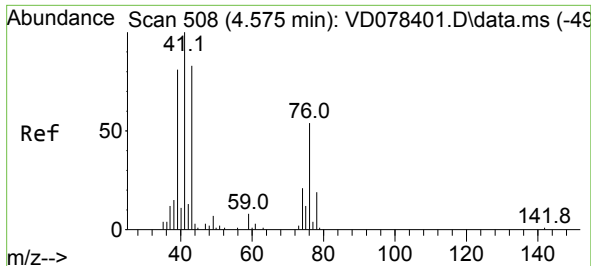
Tgt Ion:168 Resp: 116022
Ion Ratio Lower Upper
168 100
99 51.0 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.063 min Scan# 591
Delta R.T. 0.011 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

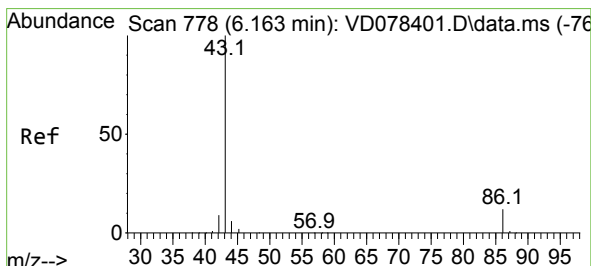
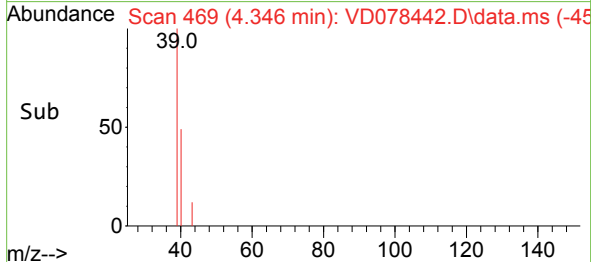
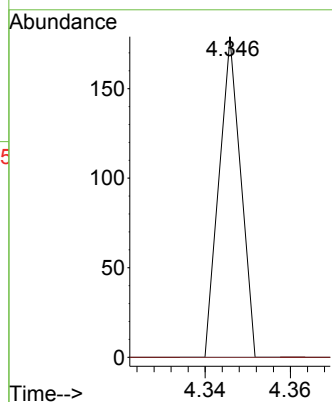
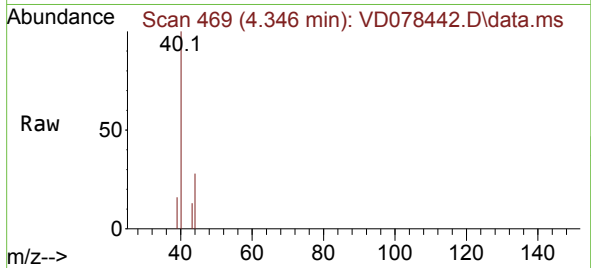




#18
Methyl Acetate
Concen: 4.005 ug/l
RT: 4.346 min Scan# 41
Delta R.T. -0.229 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

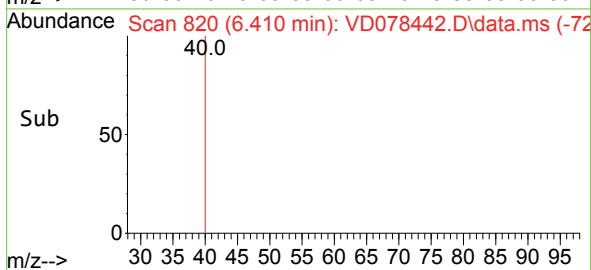
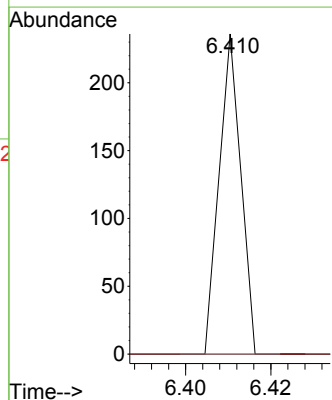
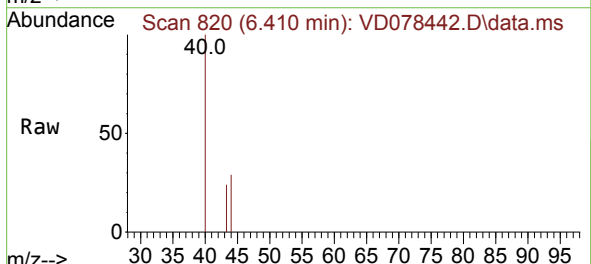
Instrument :
MSVOA_D
ClientSampleId :
TP-2

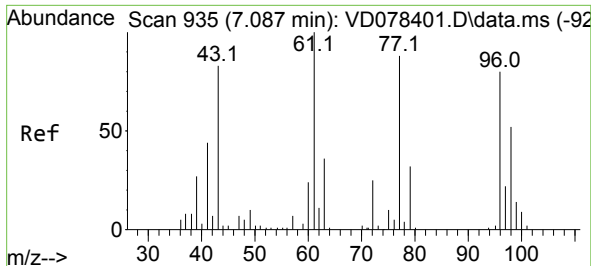
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.410 min Scan# 820
Delta R.T. 0.247 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
86 0.0 12.5 18.7#

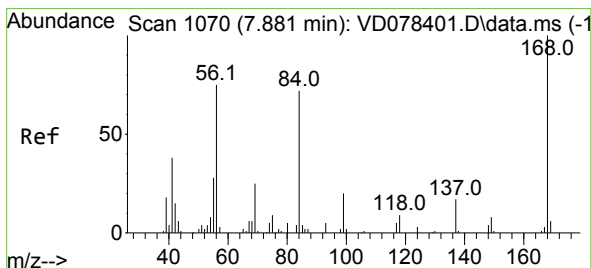
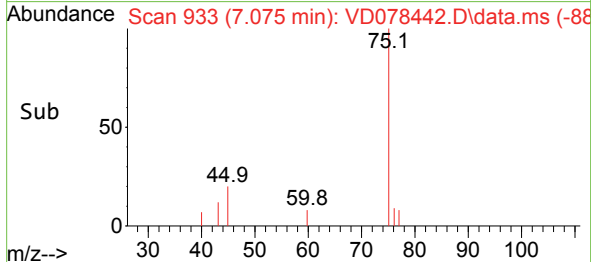
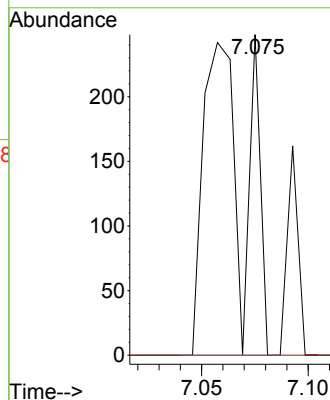
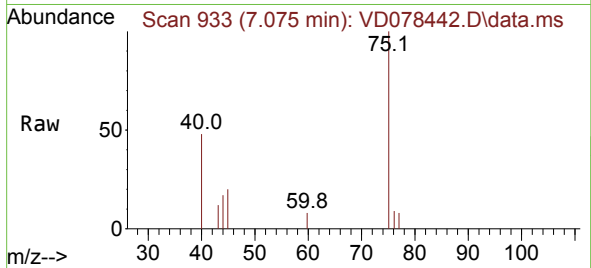




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

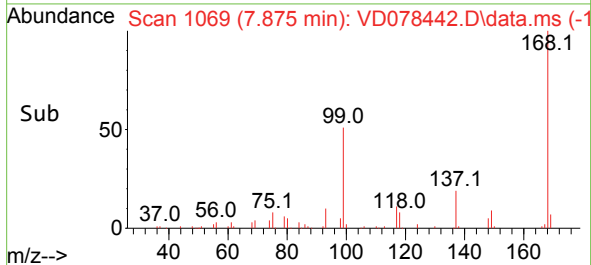
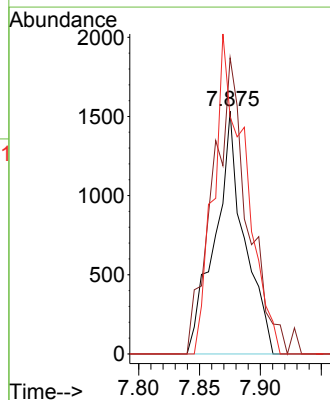
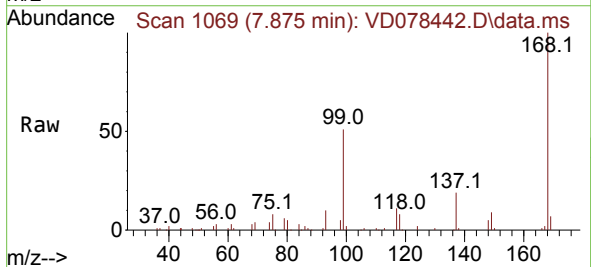
Instrument :
MSVOA_D
ClientSampleId :
TP-2

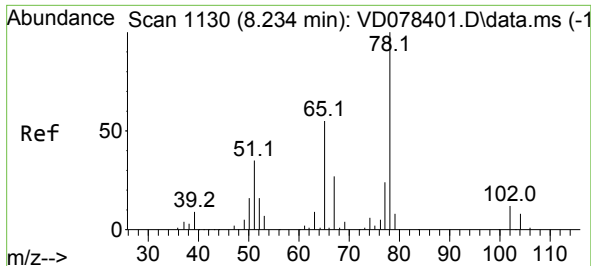
Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Tgt Ion: 56 Resp: 2548
Ion Ratio Lower Upper
56 100
69 122.0 28.6 43.0#
84 113.0 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 48.458 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078442.D

Acq: 15 Feb 2024 18:09

Instrument :

MSVOA_D

ClientSampleId :

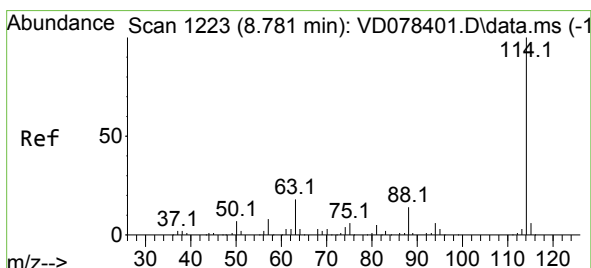
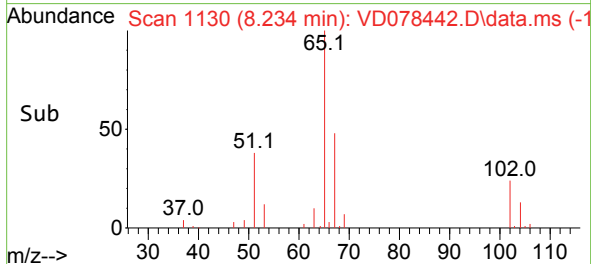
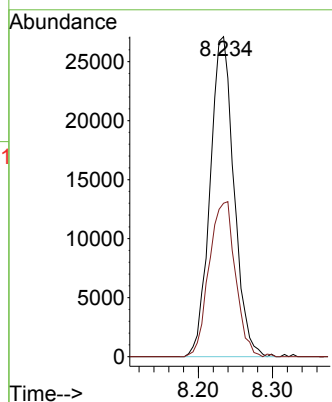
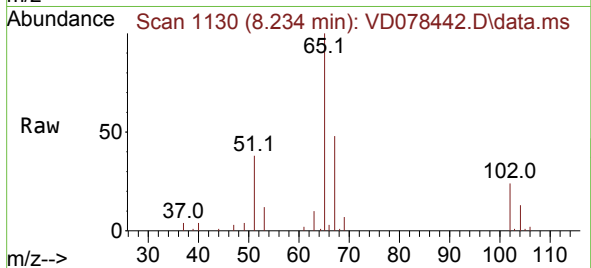
TP-2

Tgt Ion: 65 Resp: 60790

Ion Ratio Lower Upper

65 100

67 53.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078442.D

Acq: 15 Feb 2024 18:09

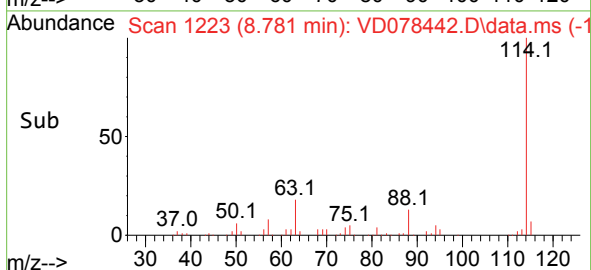
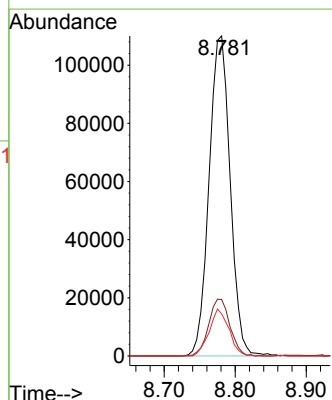
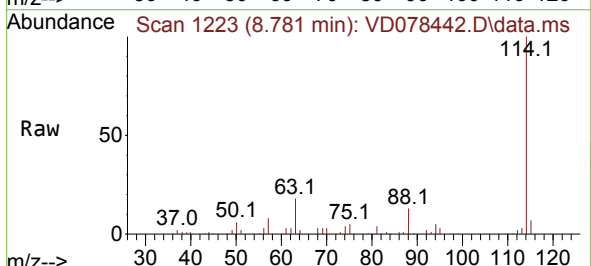
Tgt Ion:114 Resp: 227348

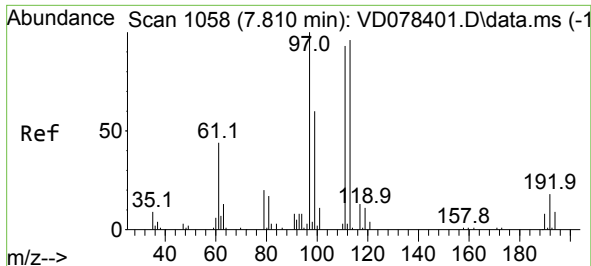
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 51.035 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078442.D

Acq: 15 Feb 2024 18:09

Instrument :

MSVOA_D

ClientSampleId :

TP-2

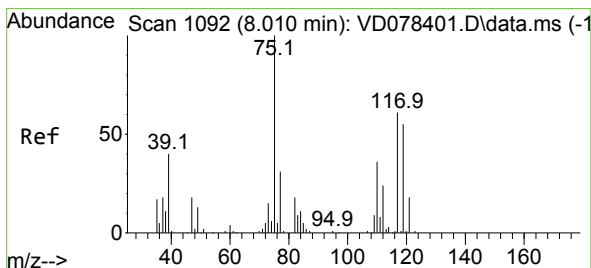
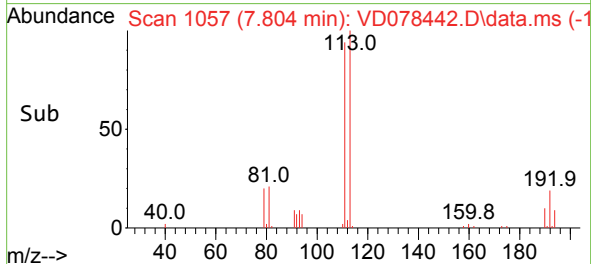
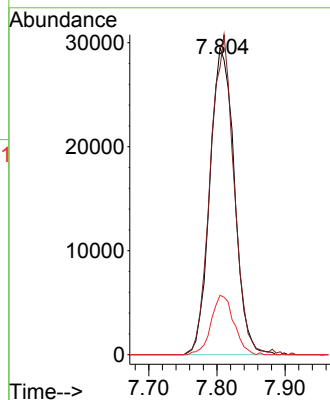
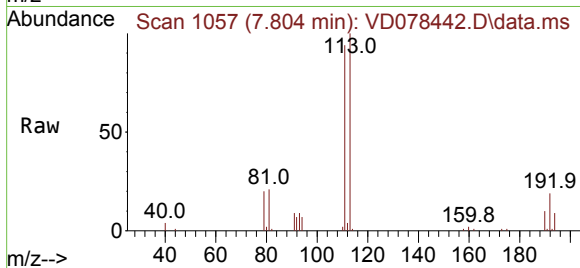
Tgt Ion:113 Resp: 73703

Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.154 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078442.D

Acq: 15 Feb 2024 18:09

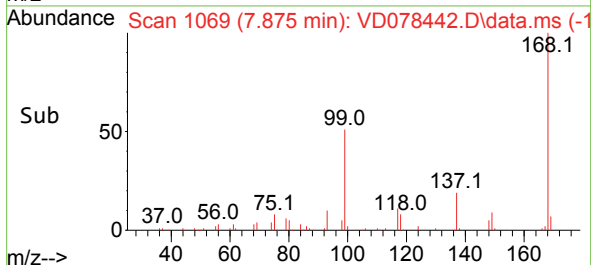
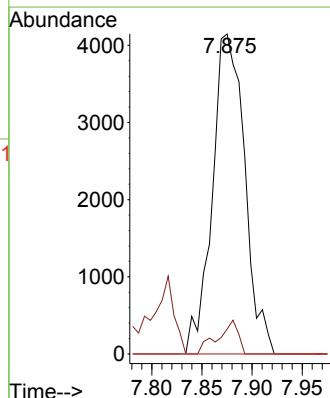
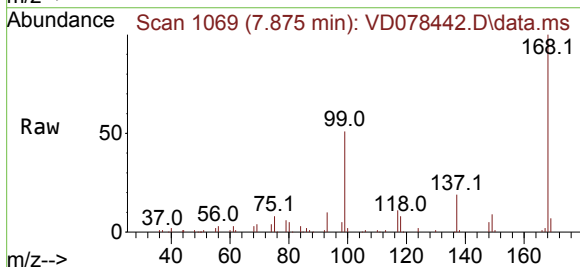
Tgt Ion: 75 Resp: 9319

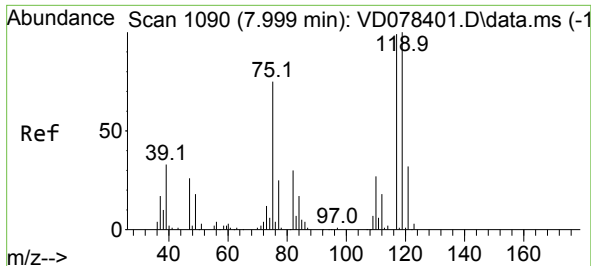
Ion Ratio Lower Upper

75 100

110 6.6 19.9 59.6#

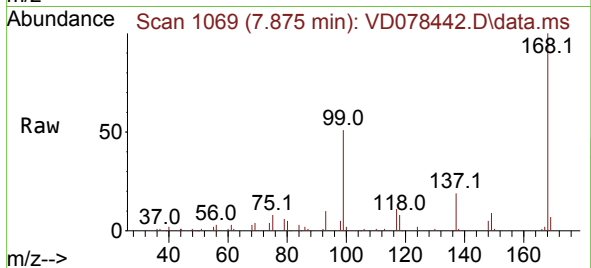
77 0.0 24.7 37.1#



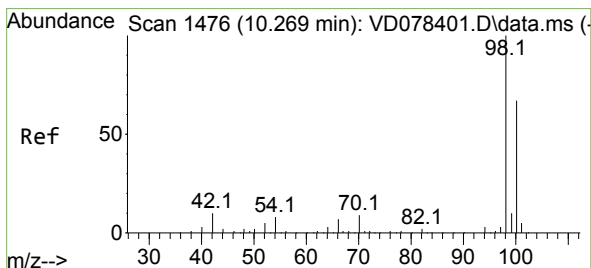
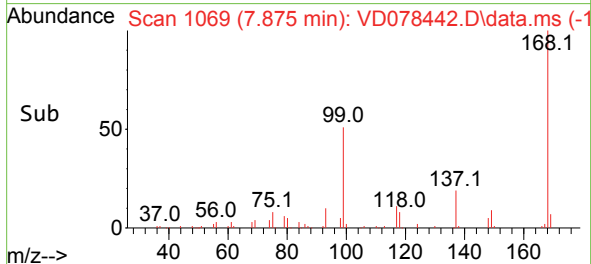
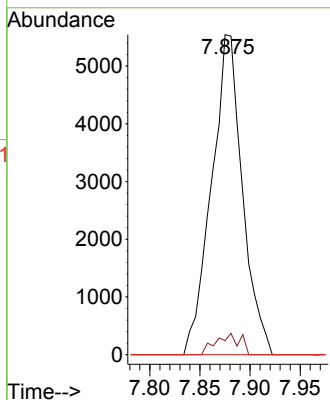


#38
Carbon Tetrachloride
Concen: 5.345 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Instrument :
MSVOA_D
ClientSampleId :
TP-2

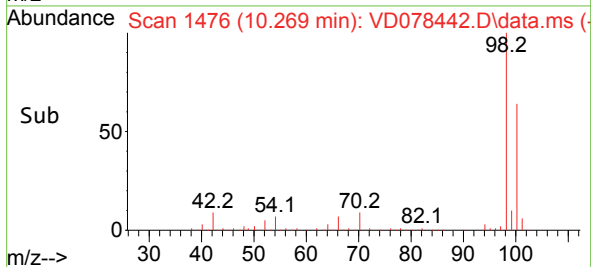
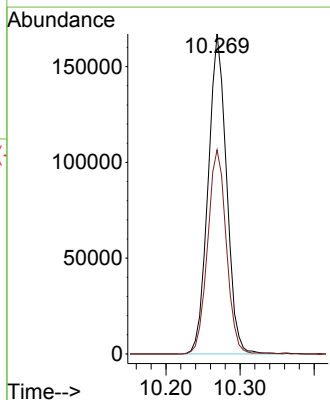
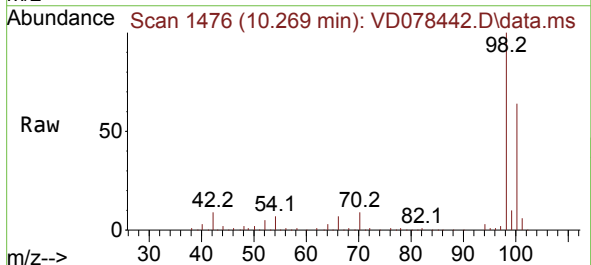


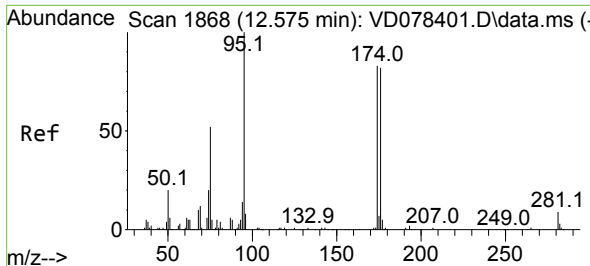
Tgt Ion:117 Resp: 11876
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.888 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Tgt Ion: 98 Resp: 288200
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5

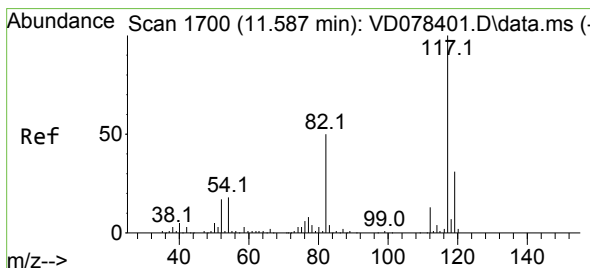
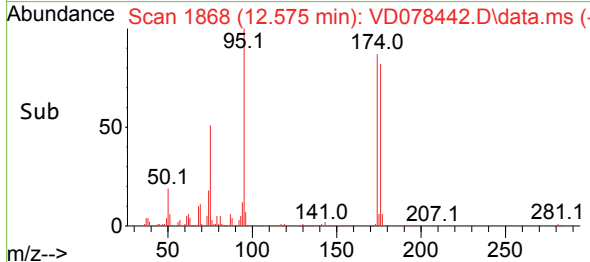
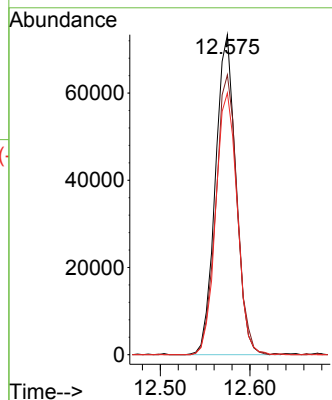
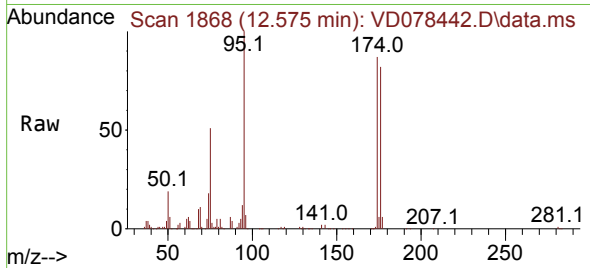




#62
4-Bromofluorobenzene
Concen: 69.317 ug/l
RT: 12.575 min Scan# 116531
Delta R.T. -0.000 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

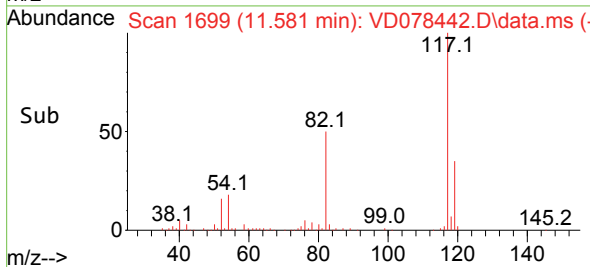
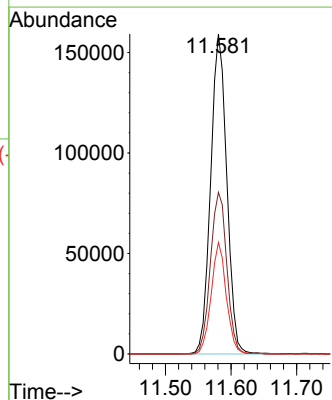
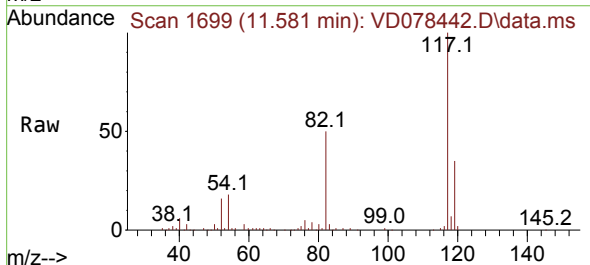
Instrument :
MSVOA_D
ClientSampleId :
TP-2

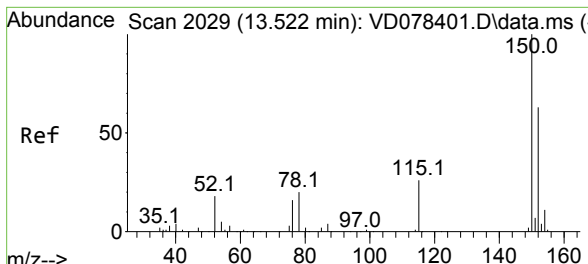
Tgt Ion: 95 Resp: 116531
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Tgt Ion: 117 Resp: 271803
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 34.9 25.0 37.4

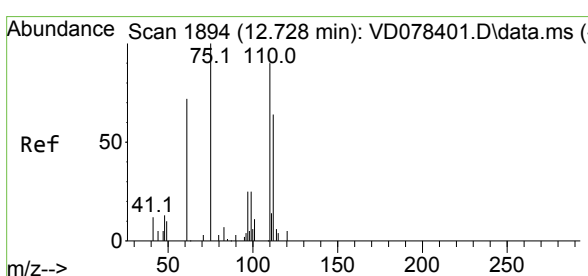
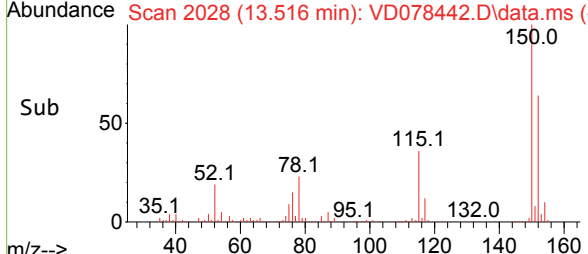
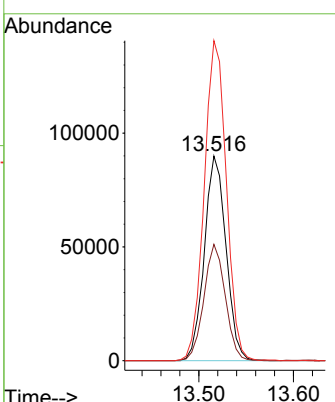
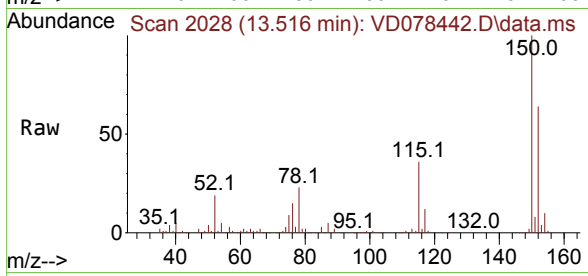




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD078442.D
 Acq: 15 Feb 2024 18:09

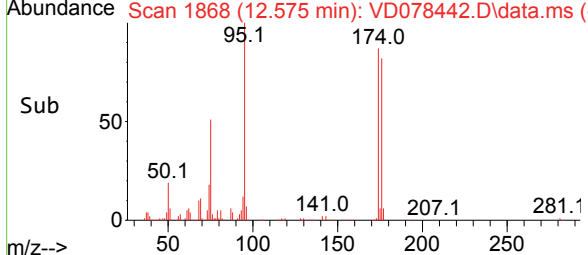
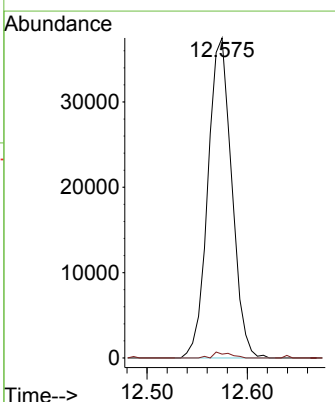
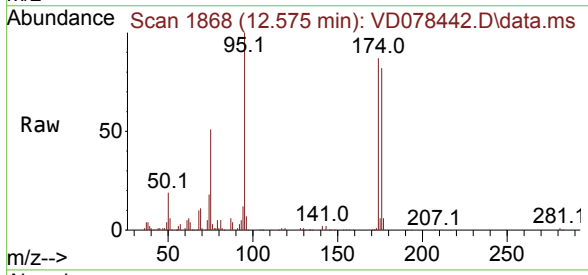
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

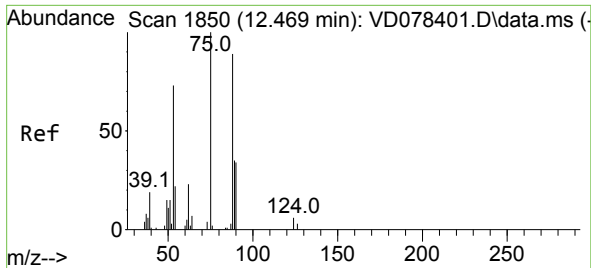
Tgt Ion:	152	Resp:	143008
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.1	81.3
150	159.4	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 50.914 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078442.D
 Acq: 15 Feb 2024 18:09

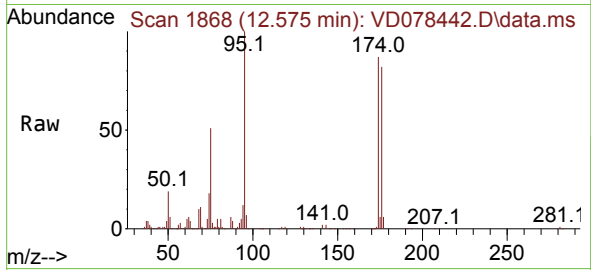
Tgt Ion:	75	Resp:	61814
Ion Ratio	Lower	Upper	
75	100		
77	1.3	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.698 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078442.D
Acq: 15 Feb 2024 18:09

Instrument :
MSVOA_D
ClientSampleId :
TP-2



Tgt Ion:	75	Resp:	61814
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

