

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021023\
 Data File : VD075312.D
 Acq On : 10 Feb 2023 16:02
 Operator : KP/SY
 Sample : 01508-10
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 10 23:40:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

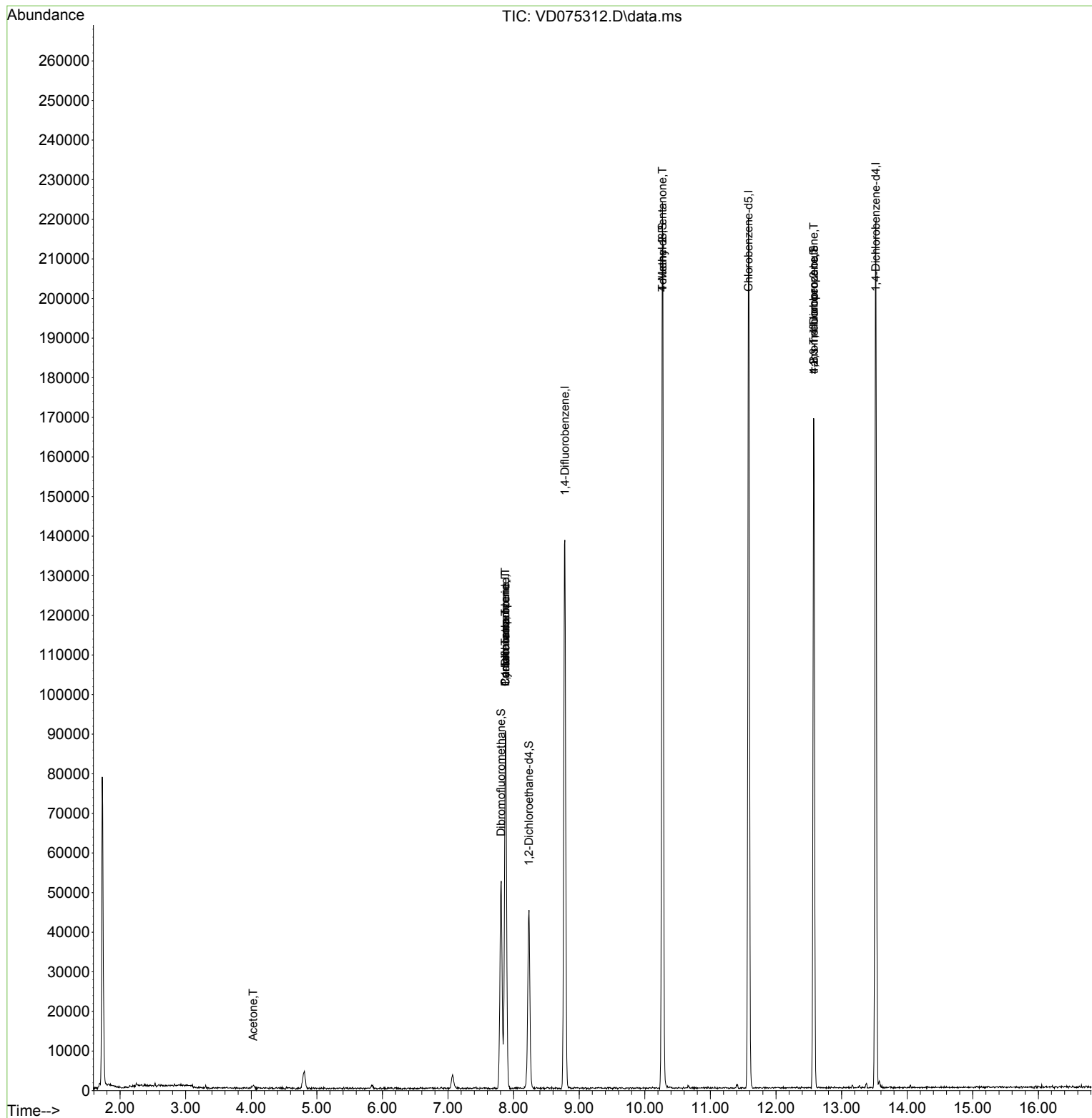
Internal Standards						
1) Pentafluorobenzene	7.875	168	67198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	119210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	120574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	55733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34388	43.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.280%
35) Dibromofluoromethane	7.810	113	37271	44.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.180%
50) Toluene-d8	10.269	98	147618	46.567	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.140%
62) 4-Bromofluorobenzene	12.575	95	49193	47.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.120%
Target Compounds						
3) Chloromethane	2.146	50	132	Below Cal	#	41
16) Acetone	4.028	43	1338	6.422	ug/l #	42
20) Methylene Chloride	4.811	84	3055	Below Cal	#	91
31) Cyclohexane	7.875	56	1986	1.419	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	6069	4.661	ug/l #	49
38) Carbon Tetrachloride	7.875	117	6957	5.766	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	631	1.150	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	27938	44.133	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27938	139.347	ug/l #	14

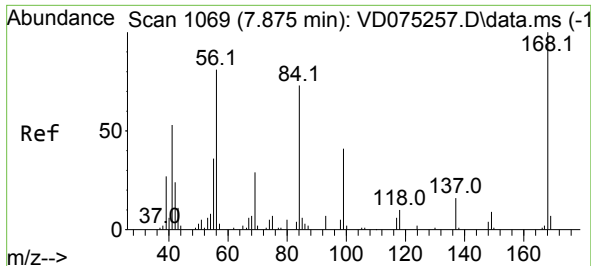
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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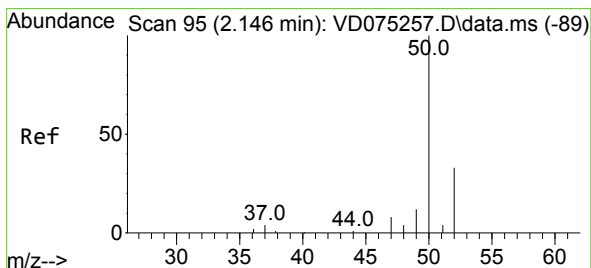
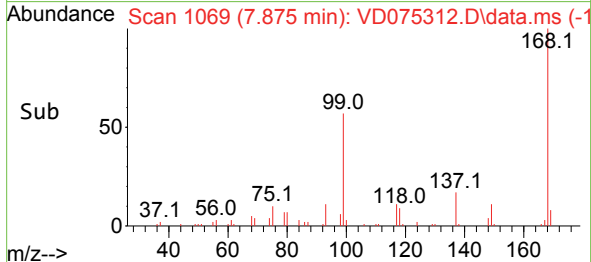
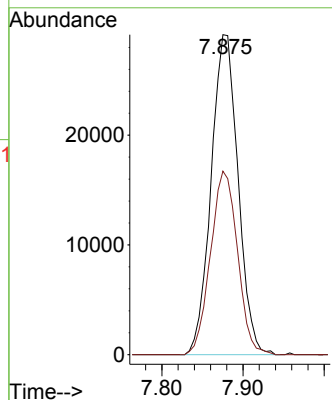
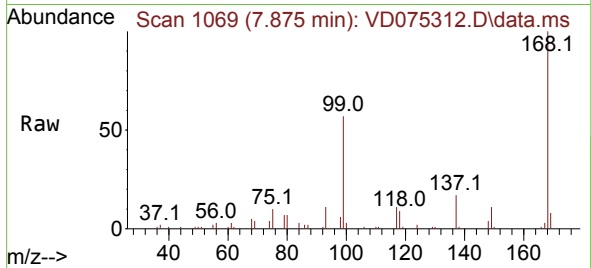




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

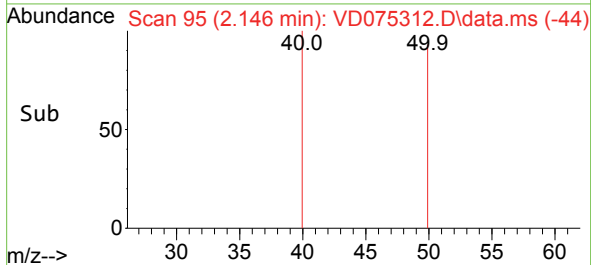
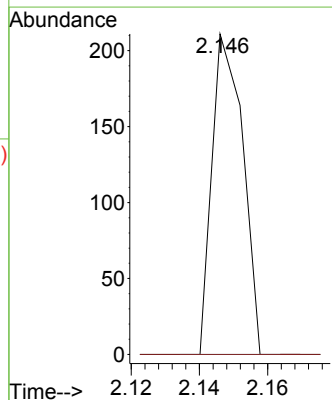
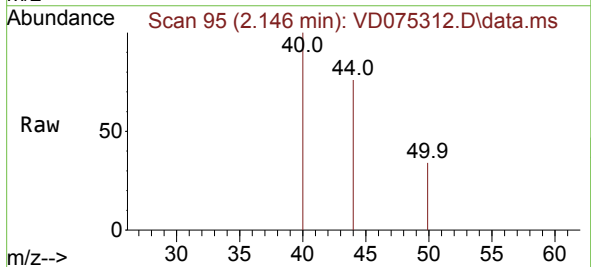
Instrument :
MSVOA_D
ClientSampleId :

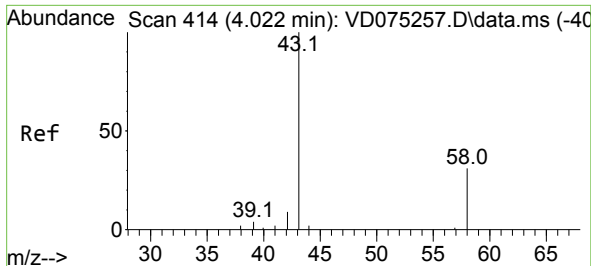
Tgt Ion:168 Resp: 67198
Ion Ratio Lower Upper
168 100
99 57.3 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

Tgt Ion: 50 Resp: 132
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 6.422 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075312.D

Acq: 10 Feb 2023 16:02

Instrument :

MSVOA_D

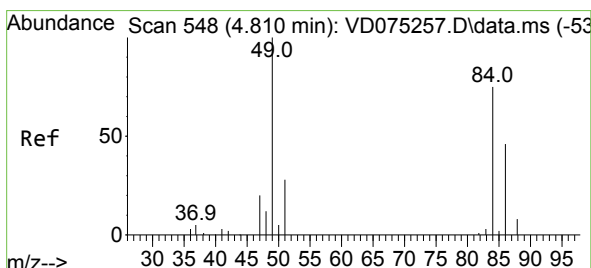
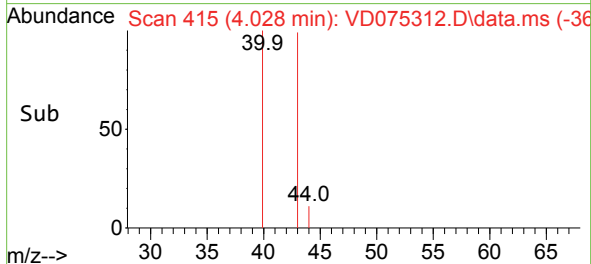
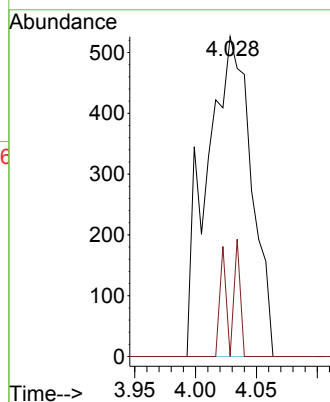
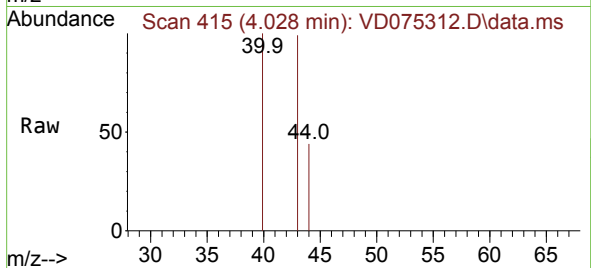
ClientSampleId :

Tgt Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 548

Delta R.T. 0.001 min

Lab File: VD075312.D

Acq: 10 Feb 2023 16:02

Tgt Ion: 84 Resp: 3055

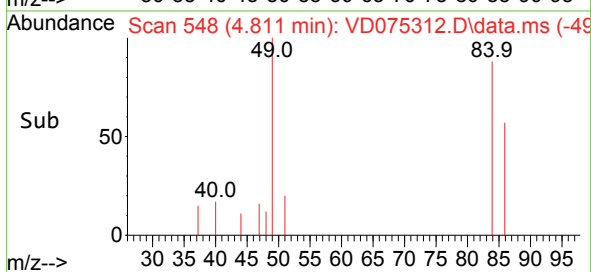
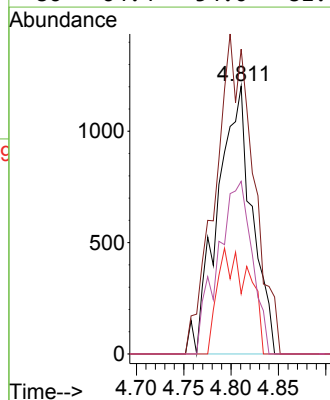
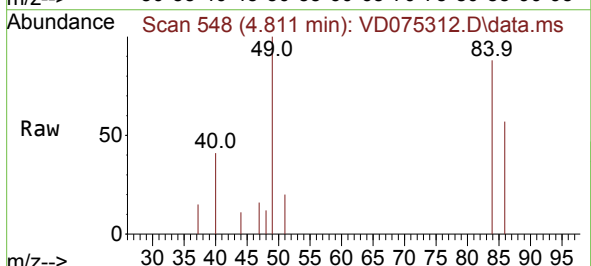
Ion Ratio Lower Upper

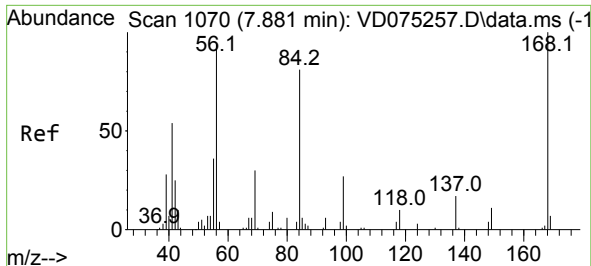
84 100

49 113.8 97.0 145.6

51 22.5 30.9 46.3#

86 64.4 54.0 81.0

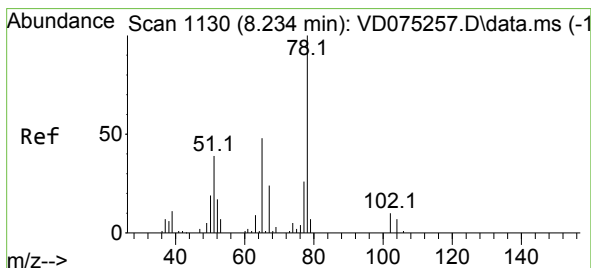
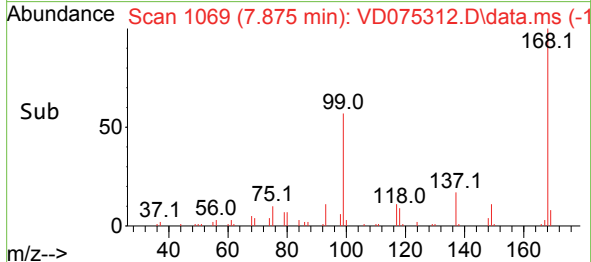
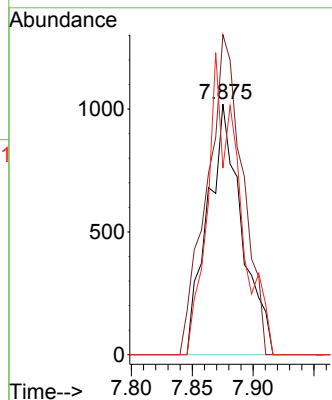
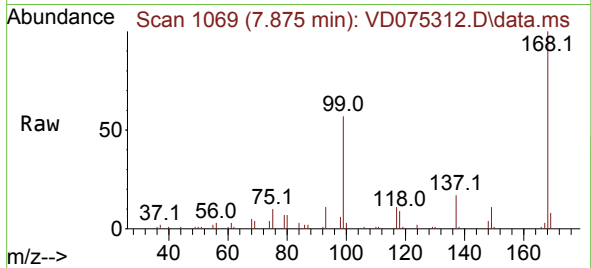




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

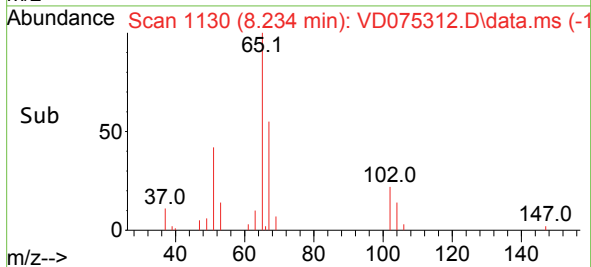
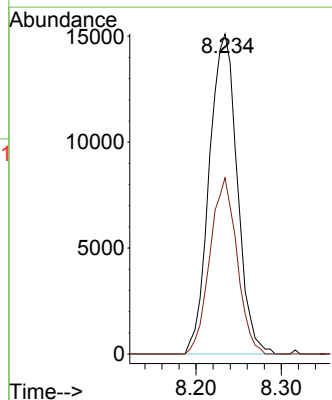
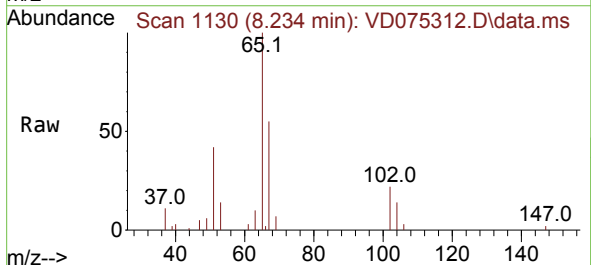
Instrument :
MSVOA_D
ClientSampleId :

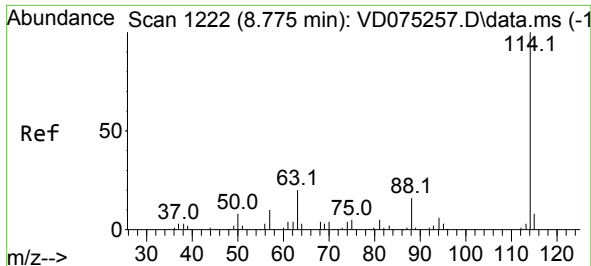
Tgt Ion: 56 Resp: 1986
Ion Ratio Lower Upper
56 100
69 127.7 26.6 40.0#
84 74.5 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 43.642 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

Tgt Ion: 65 Resp: 34388
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075312.D

Acq: 10 Feb 2023 16:02

Instrument :

MSVOA_D

ClientSampleId :

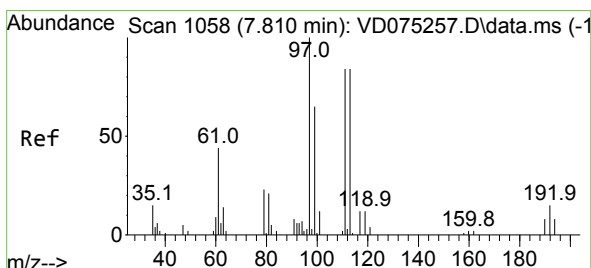
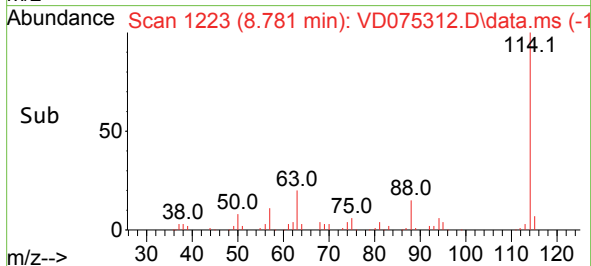
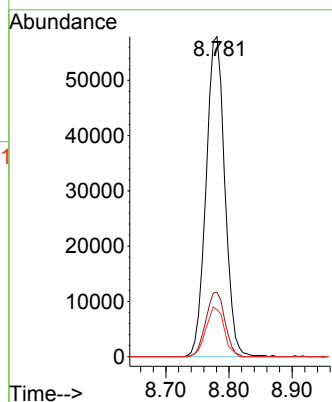
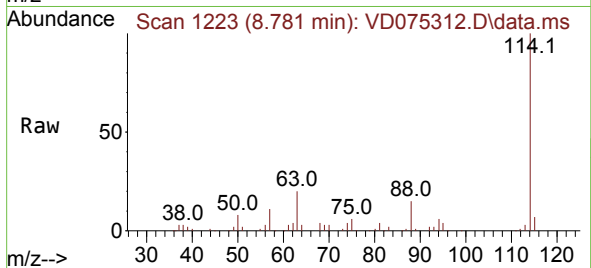
Tgt Ion:114 Resp: 119210

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 44.588 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075312.D

Acq: 10 Feb 2023 16:02

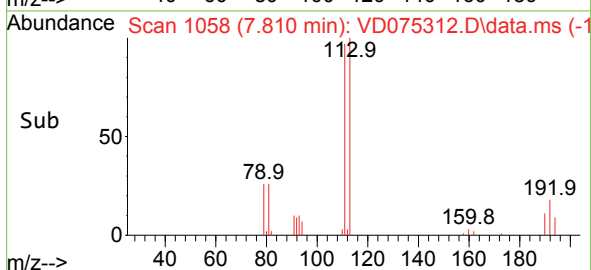
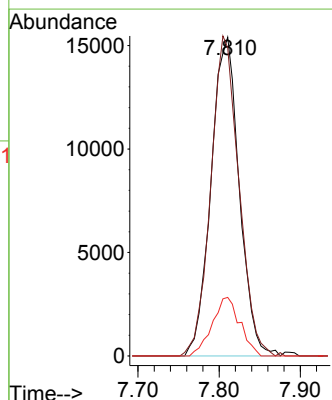
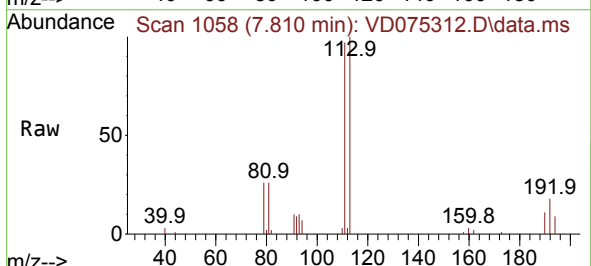
Tgt Ion:113 Resp: 37271

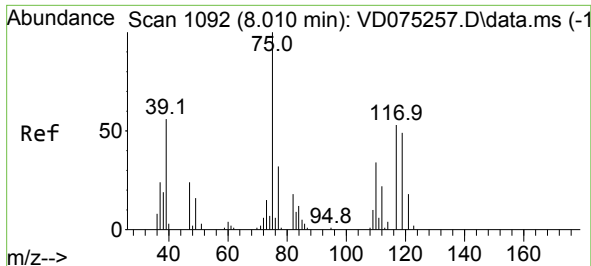
Ion Ratio Lower Upper

113 100

111 100.0 80.1 120.1

192 18.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

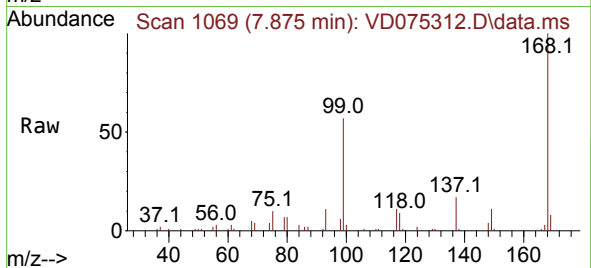
Lab File: VD075312.D

Acq: 10 Feb 2023 16:02

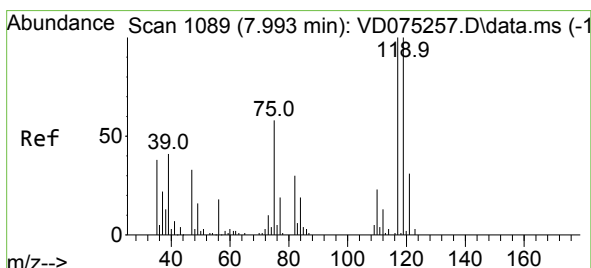
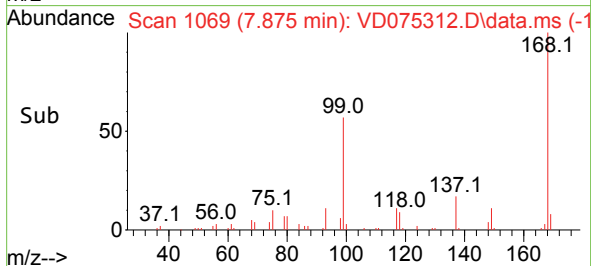
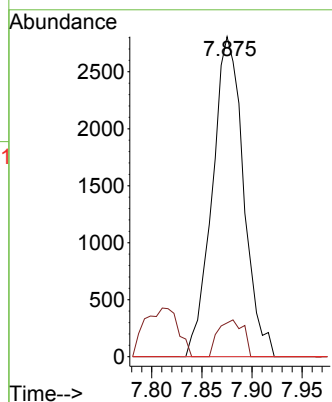
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 6069
Ion Ratio	Lower Upper
75	100
110	9.3 18.1 54.4#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.766 ug/l

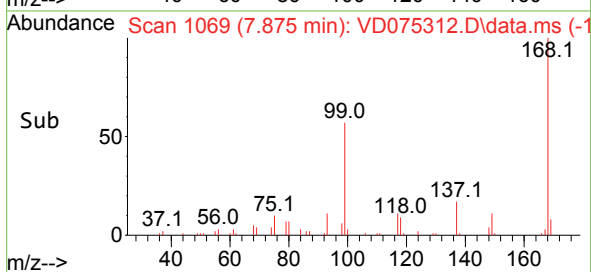
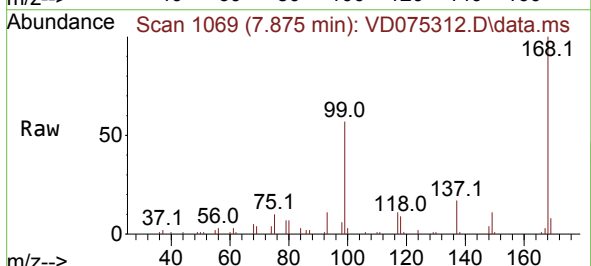
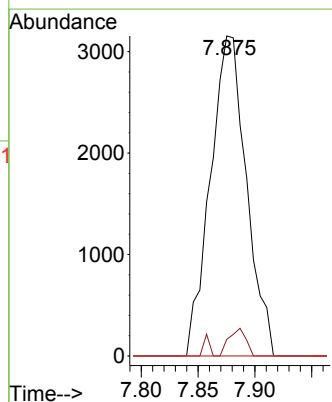
RT: 7.875 min Scan# 1069

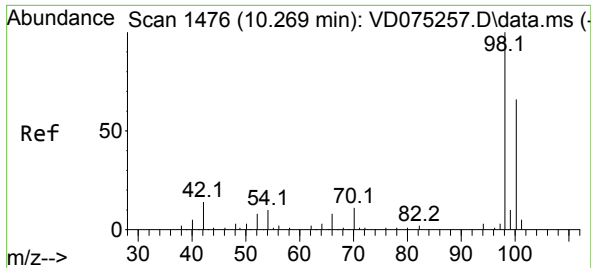
Delta R.T. -0.118 min

Lab File: VD075312.D

Acq: 10 Feb 2023 16:02

Tgt Ion: 117	Resp: 6957
Ion Ratio	Lower Upper
117	100
119	5.2 73.6 110.4#
121	0.0 25.4 38.0#

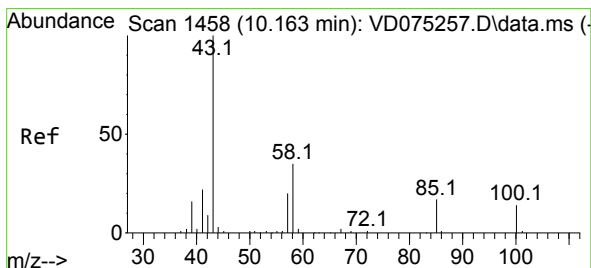
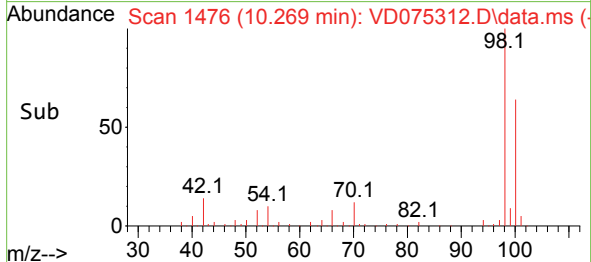
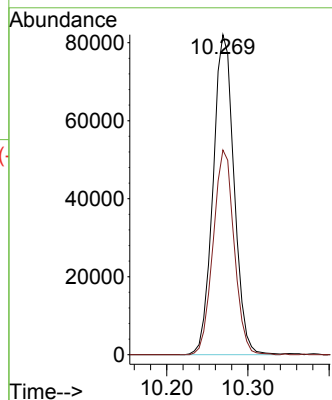
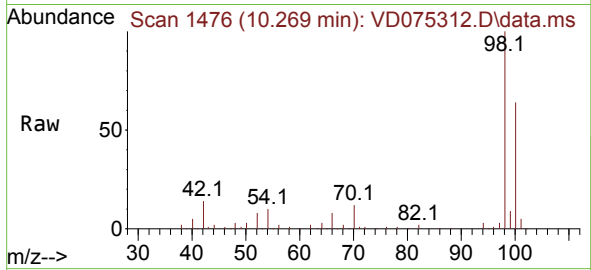




#50
Toluene-d8
Concen: 46.567 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

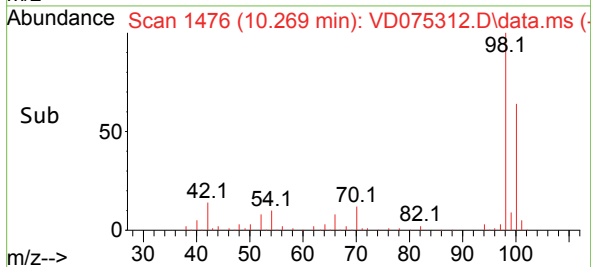
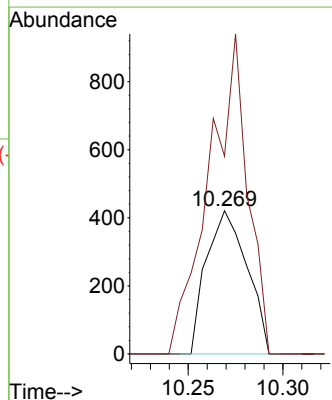
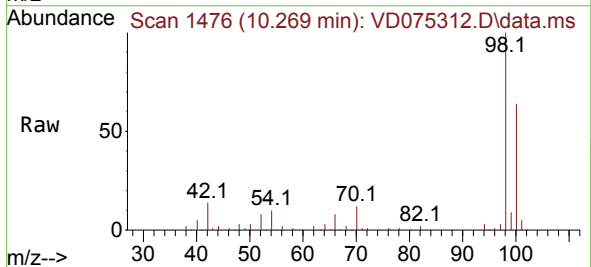
Instrument :
MSVOA_D
ClientSampleId :

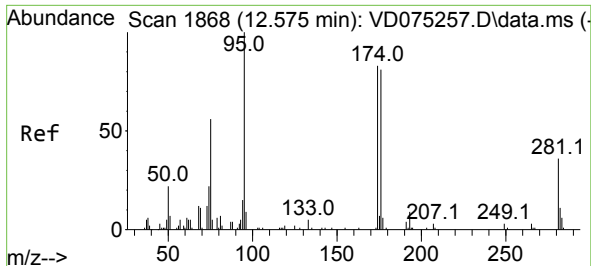
Tgt Ion: 98 Resp: 147618
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.150 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 210.1 31.4 47.0#

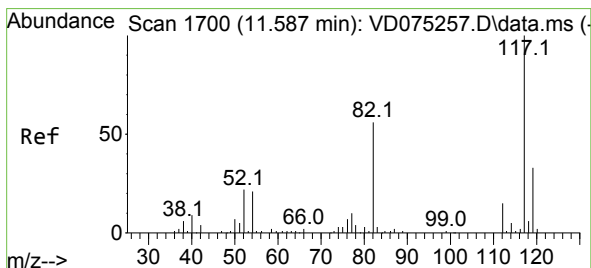
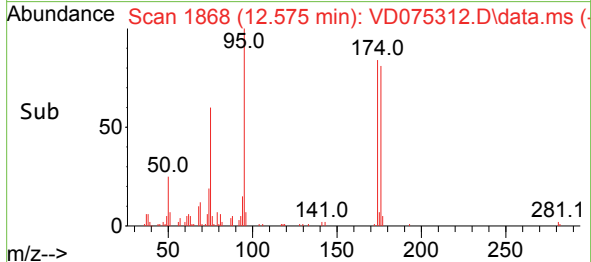
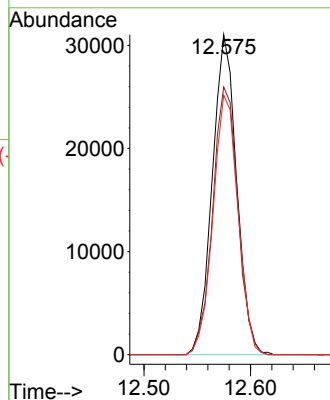
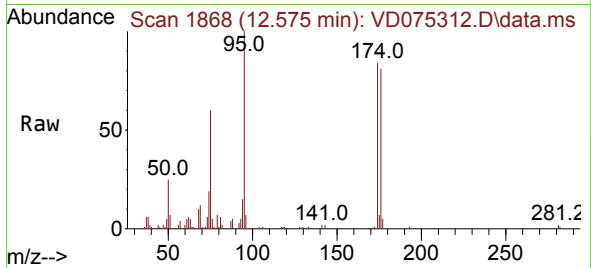




#62
4-Bromofluorobenzene
Concen: 47.062 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

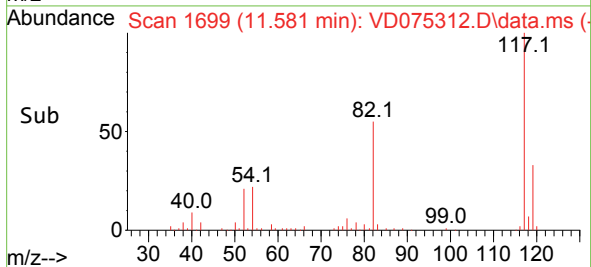
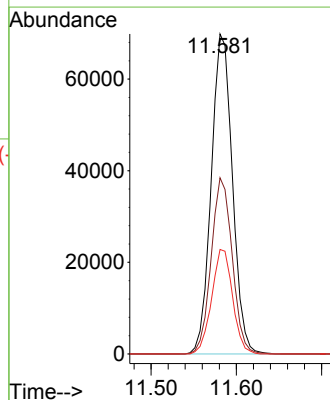
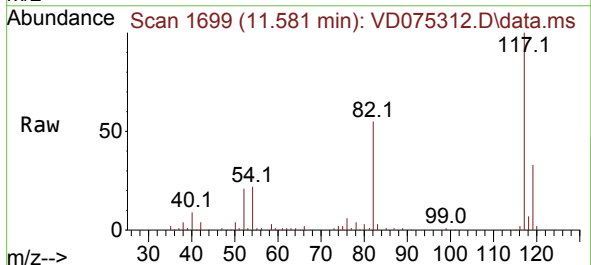
Instrument :
MSVOA_D
ClientSampleId :

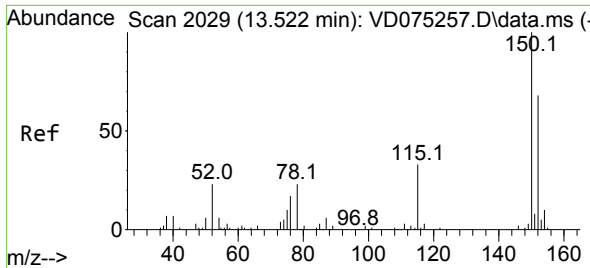
Tgt Ion: 95 Resp: 49193
Ion Ratio Lower Upper
95 100
174 86.6 0.0 161.2
176 83.2 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075312.D
Acq: 10 Feb 2023 16:02

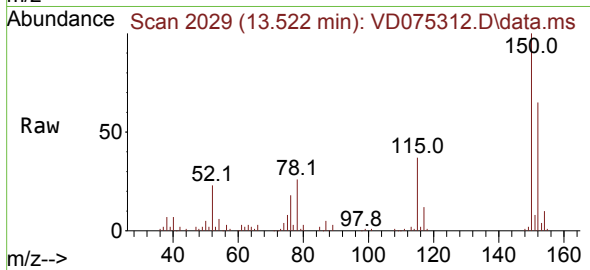
Tgt Ion: 117 Resp: 120574
Ion Ratio Lower Upper
117 100
82 55.1 39.6 59.4
119 32.6 24.6 37.0



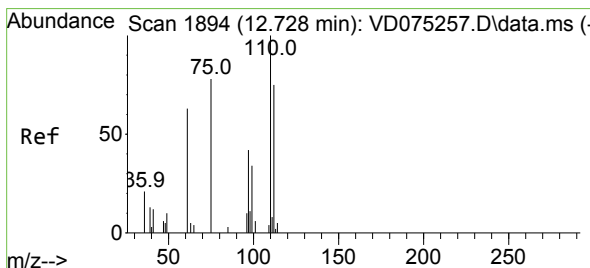
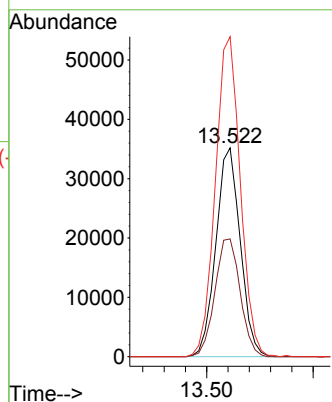
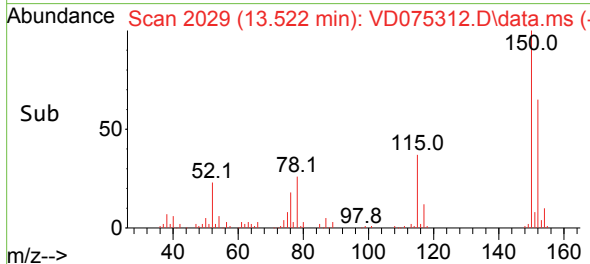


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD075312.D
 Acq: 10 Feb 2023 16:02

Instrument :
 MSVOA_D
 ClientSampleId :

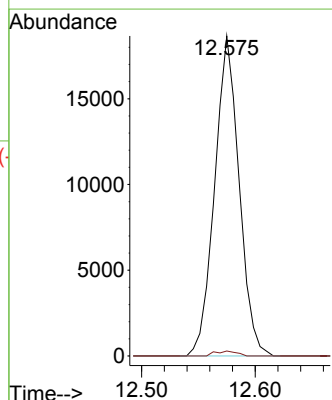
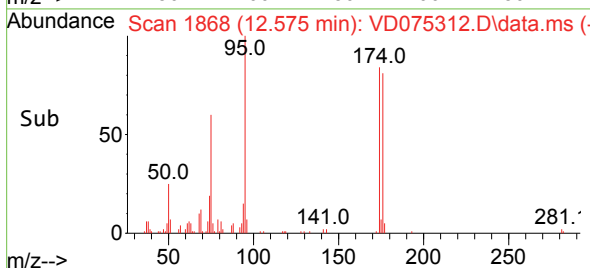
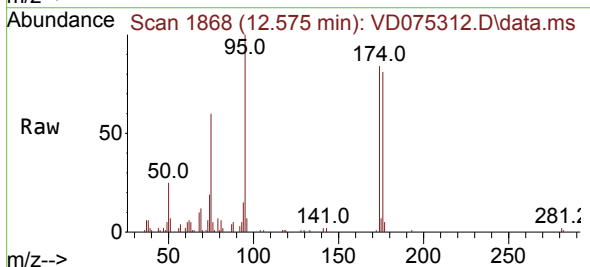


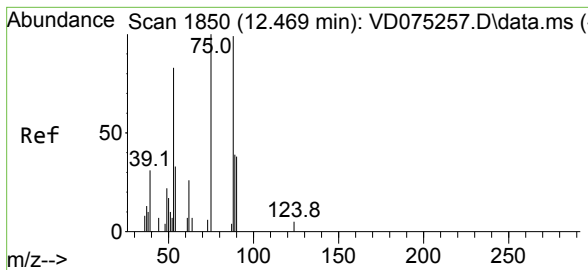
Tgt Ion:152 Resp: 55733
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.4
 150 157.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.133 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075312.D
 Acq: 10 Feb 2023 16:02

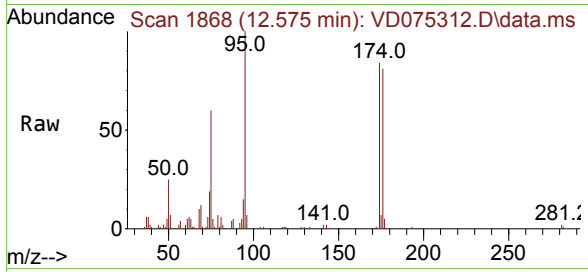
Tgt Ion: 75 Resp: 27938
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.347 ug/l
 RT: 12.575 min Scan# 1850
 Delta R.T. 0.106 min
 Lab File: VD075312.D
 Acq: 10 Feb 2023 16:02

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	27938
Ion	Ratio	Lower	Upper
75	100		
53	0.0	70.5	105.7#
89	0.0	34.6	52.0#

