

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076996.D
 Acq On : 14 Aug 2023 12:58
 Operator : JC/SY
 Sample : 03974-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-081023

Quant Time: Aug 14 13:11:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

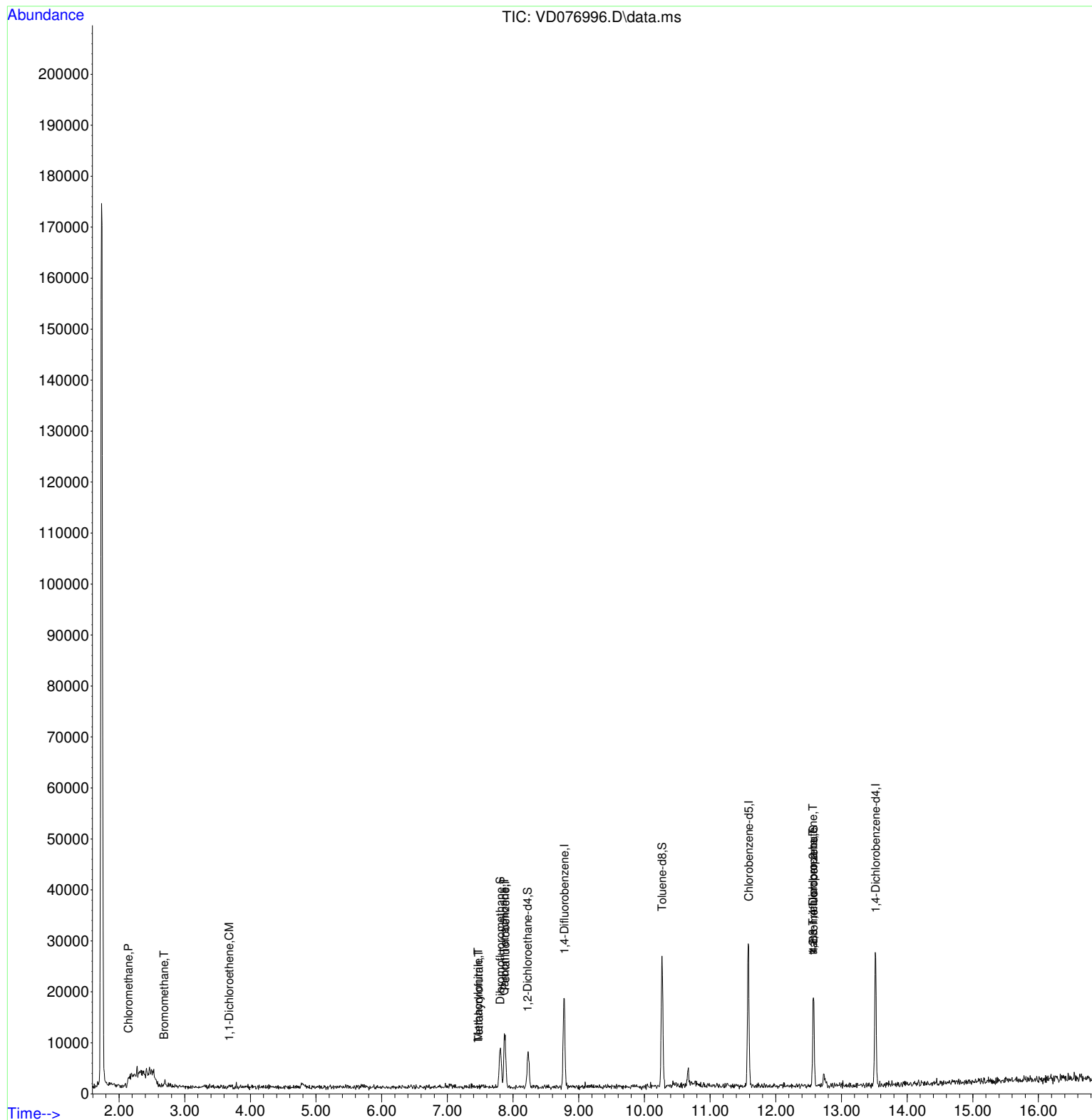
Internal Standards						
1) Pentafluorobenzene	7.881	168	8544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	17118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	17419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	8293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	5775	85.68	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	171.36%#
35) Dibromofluoromethane	7.804	113	6103	66.32	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.64%
50) Toluene-d8	10.269	98	19574	66.22	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	132.44%
62) 4-Bromofluorobenzene	12.575	95	5488	53.11	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.22%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.199	85	61	Below Cal	#	43
3) Chloromethane	2.140	50	341	4.70	ug/l #	74
5) Bromomethane	2.687	94	481	4.98	ug/l	92
12) 1,1-Dichloroethene	3.675	96	68	1.04	ug/l #	1
20) Methylene Chloride	4.799	84	993	Below Cal	#	32
29) Tetrahydrofuran	7.475	42	54	4.29	ug/l #	23
38) Carbon Tetrachloride	7.863	117	1107	9.09	ug/l #	11
41) Methacrylonitrile	7.469	41	68	2.40	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	2942	37.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2942	88.85	ug/l #	17

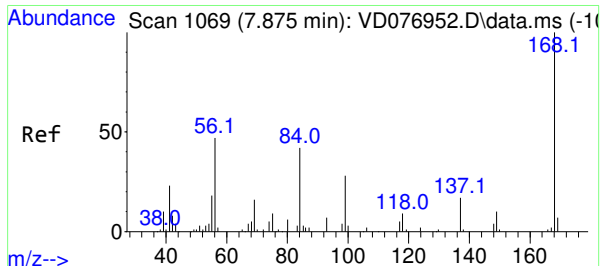
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

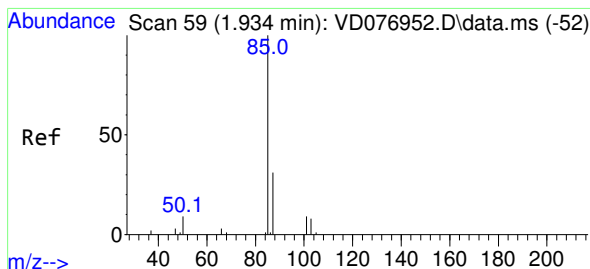
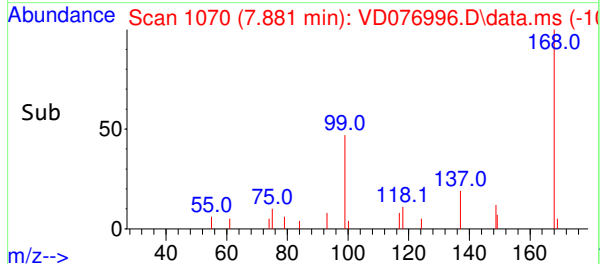
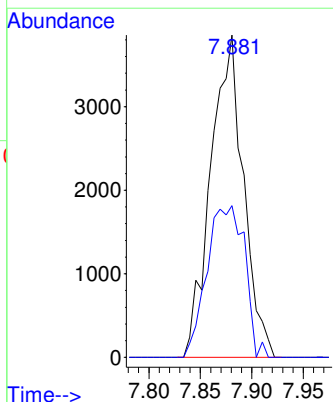
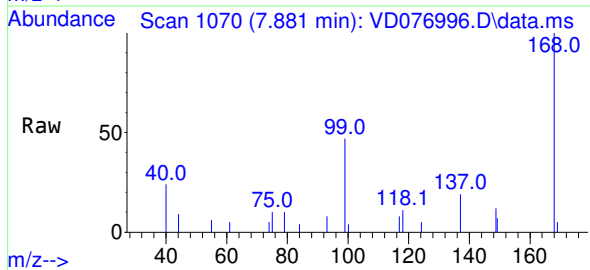




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

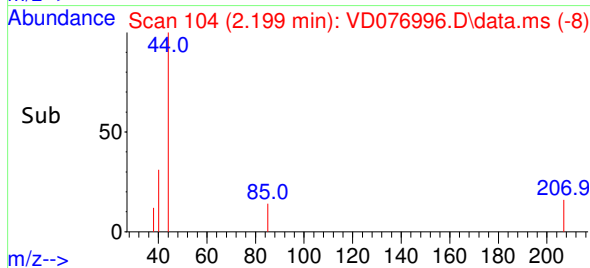
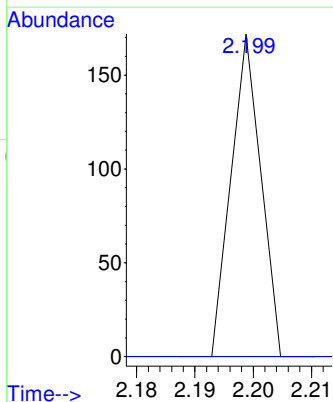
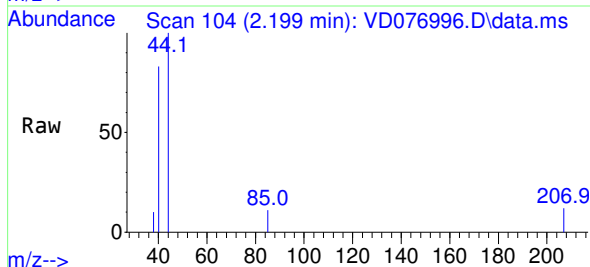
Instrument :
MSVOA_D
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EO-01-081023

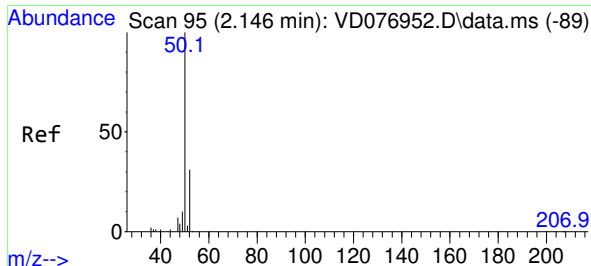
Tgt Ion:168 Resp: 8544
Ion Ratio Lower Upper
168 100
99 47.1 36.7 55.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.199 min Scan# 104
Delta R.T. 0.265 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

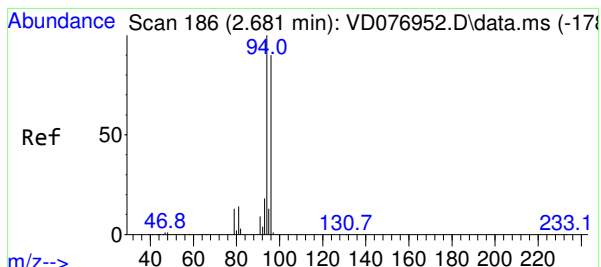
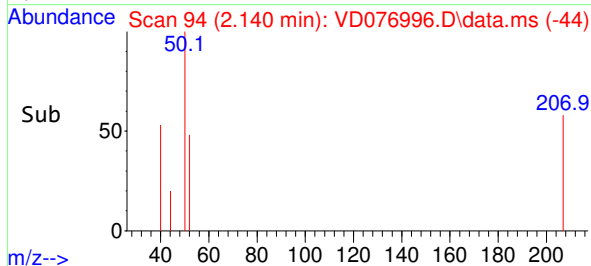
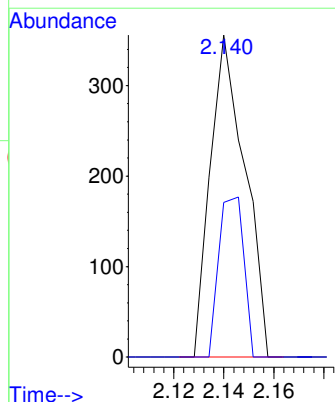
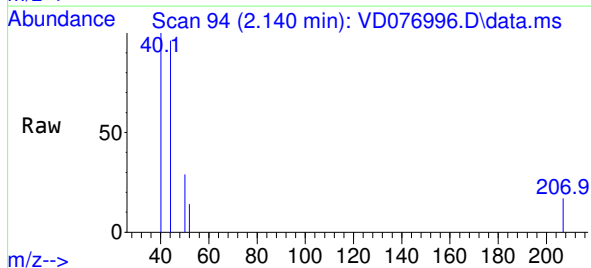




#3
Chloromethane
Concen: 4.70 ug/l
RT: 2.140 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

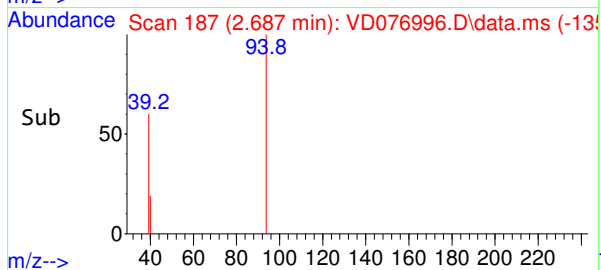
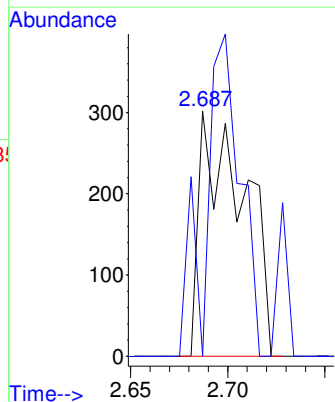
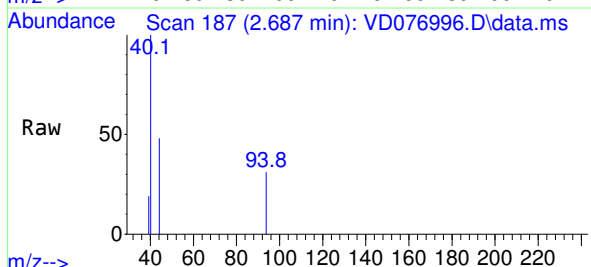
Instrument :
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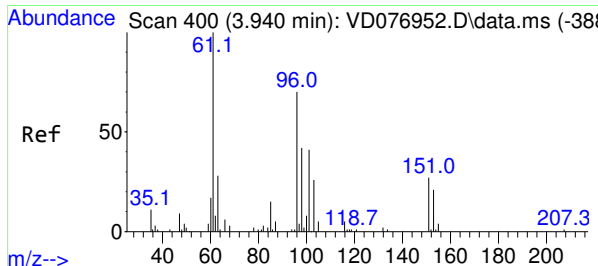
Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 48.0 26.6 40.0#



#5
Bromomethane
Concen: 4.98 ug/l
RT: 2.687 min Scan# 187
Delta R.T. 0.006 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion: 94 Resp: 481
Ion Ratio Lower Upper
94 100
96 102.7 75.8 113.8

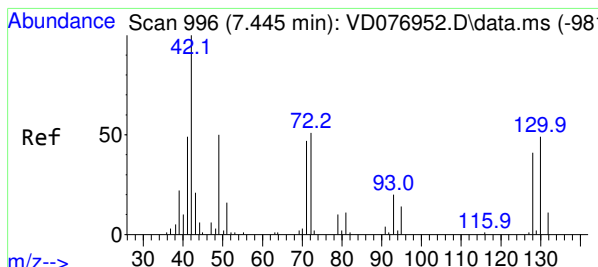
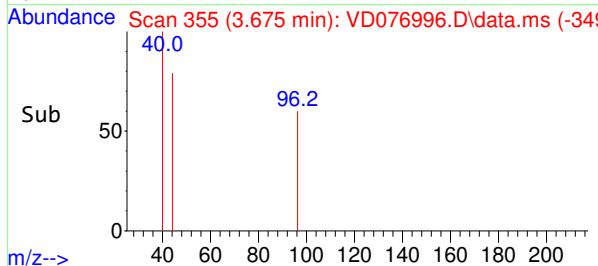
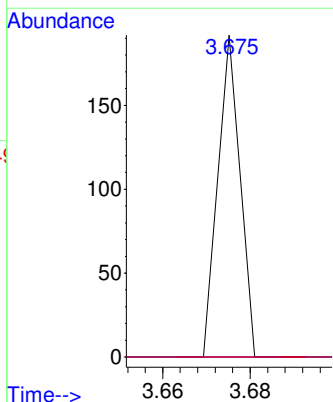
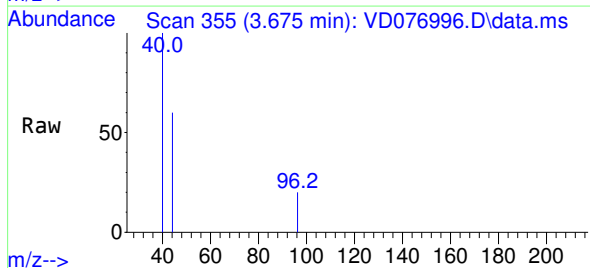




#12
1,1-Dichloroethene
Concen: 1.04 ug/l
RT: 3.675 min Scan# 3
Delta R.T. -0.265 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

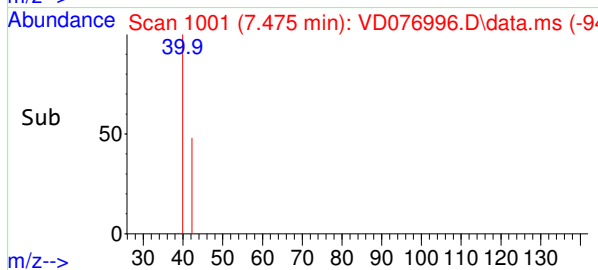
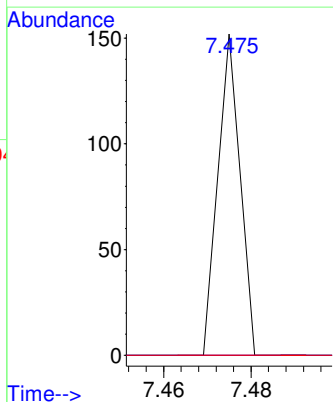
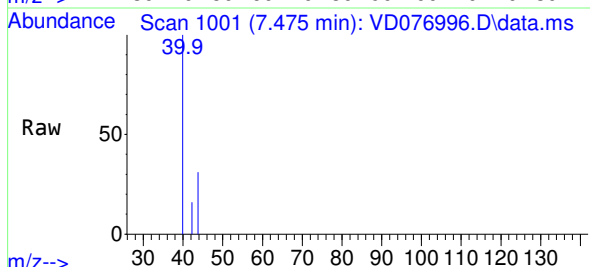
Instrument :
MSVOA_D
ClientSampleId :
EO-01-081023

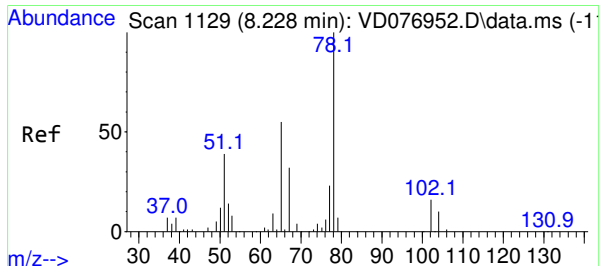
Tgt Ion: 96 Resp: 68
Ion Ratio Lower Upper
96 100
61 0.0 100.6 150.8#
98 0.0 50.2 75.2#



#29
Tetrahydrofuran
Concen: 4.29 ug/l
RT: 7.475 min Scan# 1001
Delta R.T. 0.030 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion: 42 Resp: 54
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#

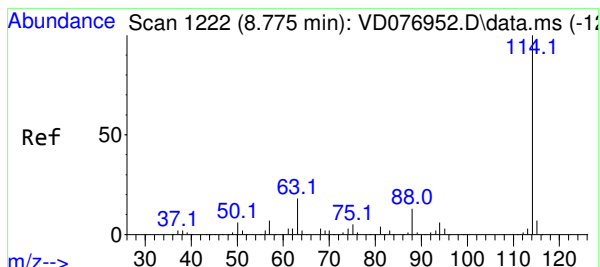
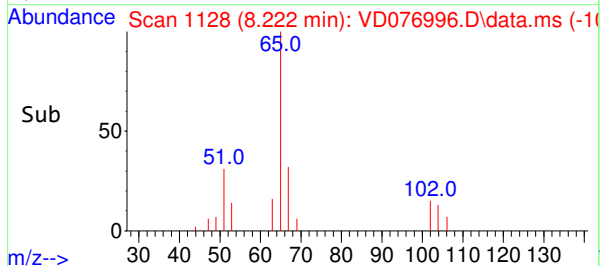
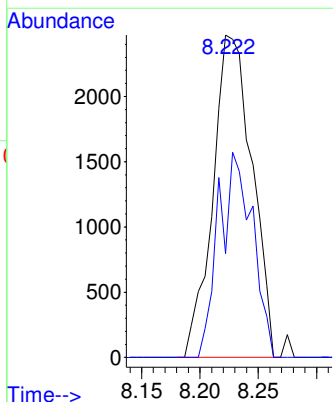
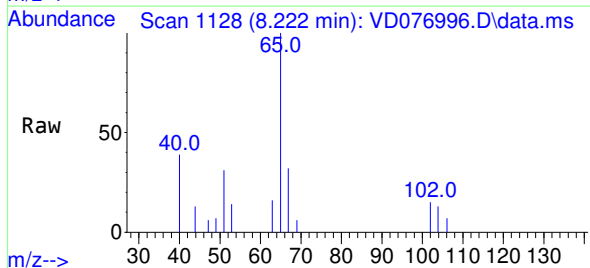




#33
1,2-Dichloroethane-d4
Concen: 85.68 ug/l
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

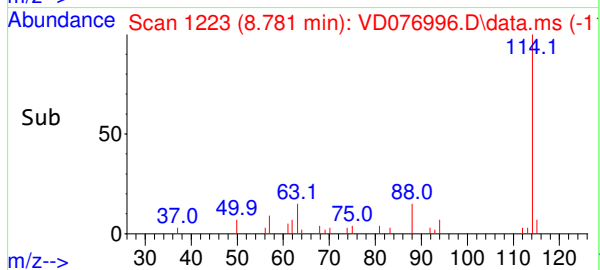
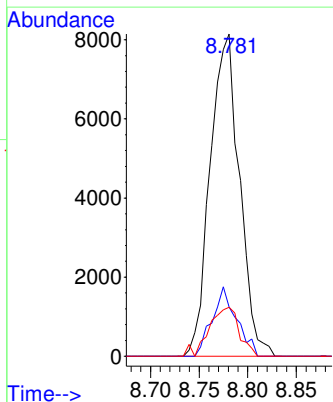
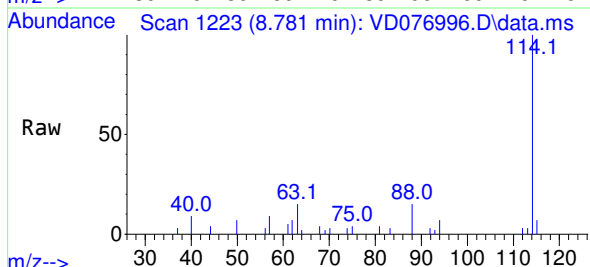
Instrument :
MSVOA_D
ClientSampleId :
EO-01-081023

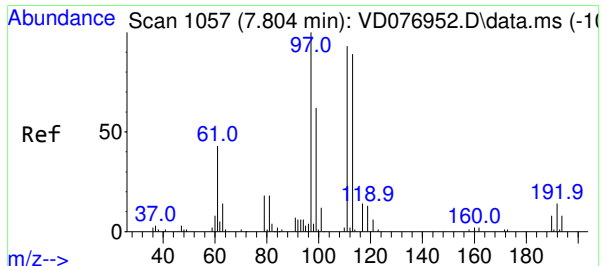
Tgt Ion: 65 Resp: 5775
Ion Ratio Lower Upper
65 100
67 54.6 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion:114 Resp: 17118
Ion Ratio Lower Upper
114 100
63 15.3 0.0 33.4
88 15.2 0.0 26.2

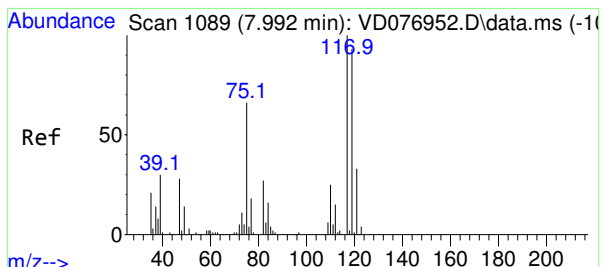
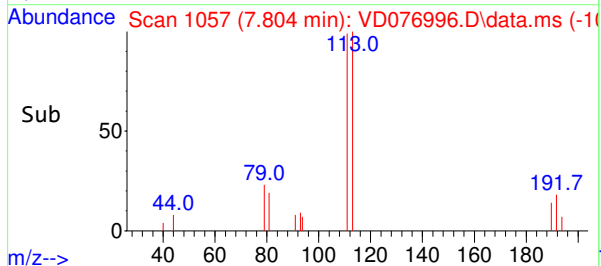
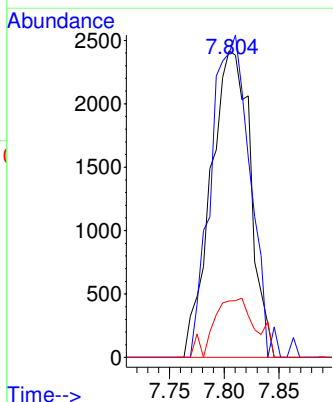
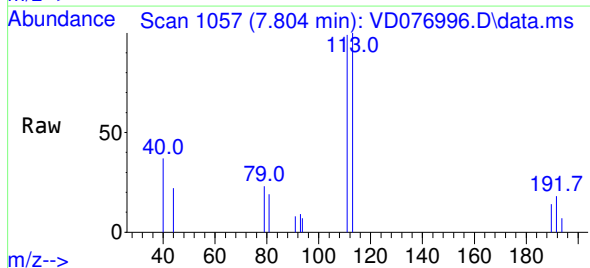




#35
Dibromofluoromethane
Concen: 66.32 ug/l
RT: 7.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

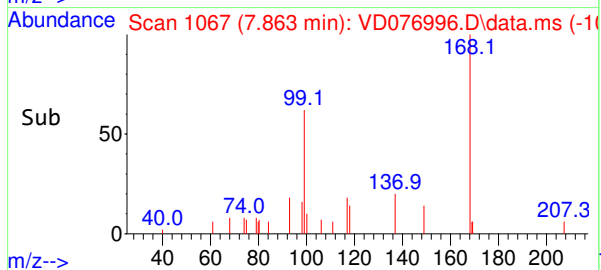
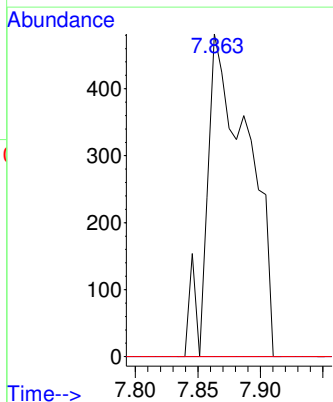
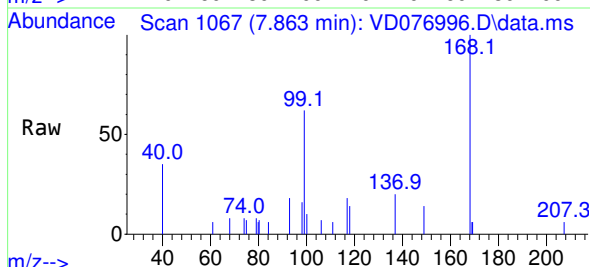
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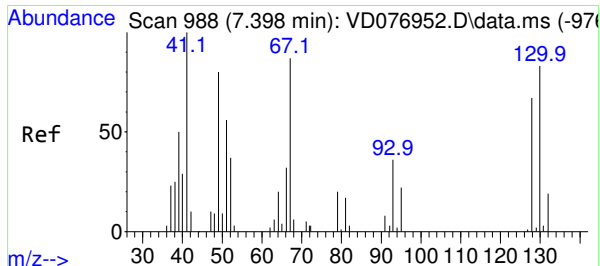
Tgt Ion:113 Resp: 6103
Ion Ratio Lower Upper
113 100
111 103.4 84.7 127.1
192 20.4 16.8 25.2



#38
Carbon Tetrachloride
Concen: 9.09 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion:117 Resp: 1107
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#

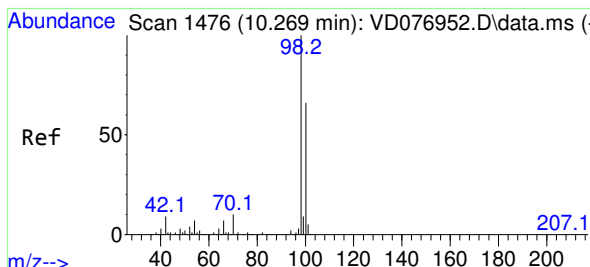
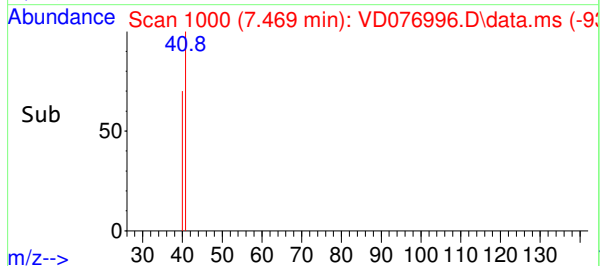
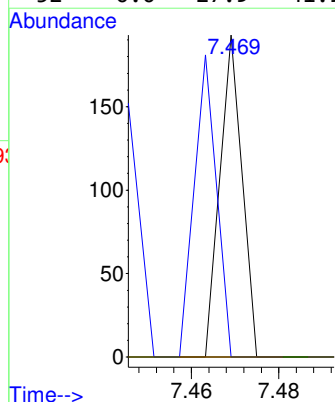
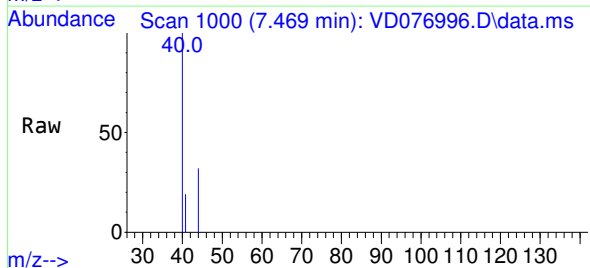




#41
Methacrylonitrile
Concen: 2.40 ug/l
RT: 7.469 min Scan# 1
Delta R.T. 0.071 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

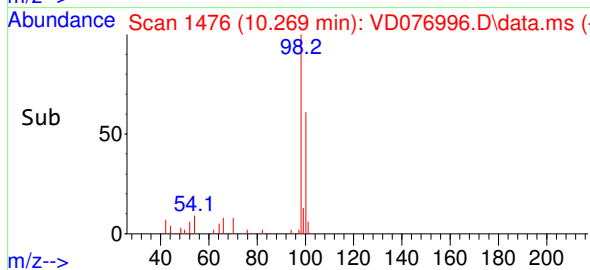
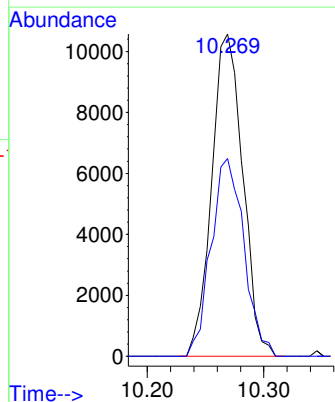
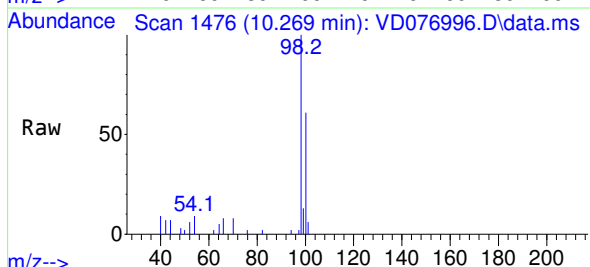
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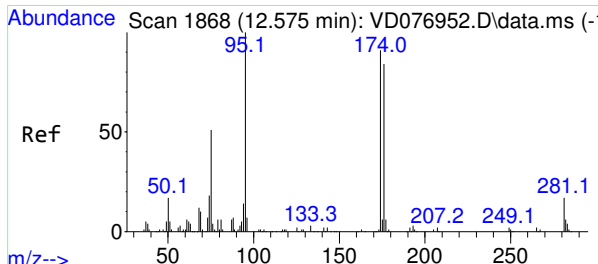
Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	94.1	34.0	51.0#
67	0.0	77.0	115.4#
52	0.0	27.9	41.9#



#50
Toluene-d8
Concen: 66.22 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion:	98	Resp:	19574
Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.3	75.5

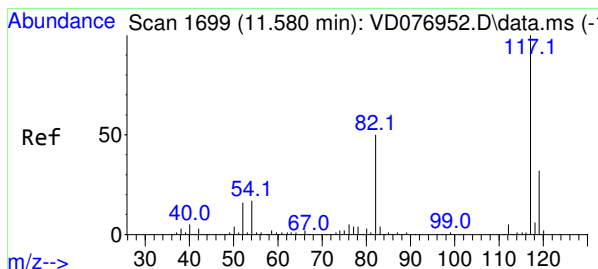
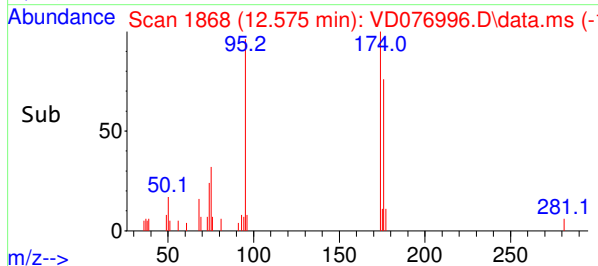
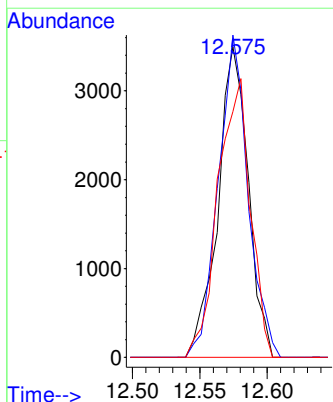
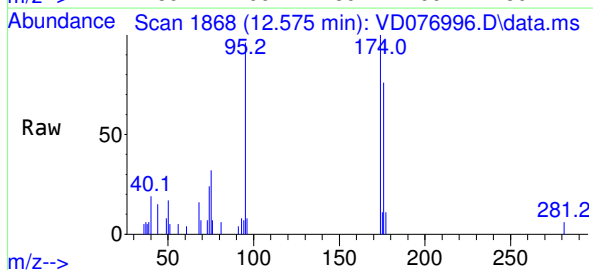




#62
4-Bromofluorobenzene
Concen: 53.11 ug/l
RT: 12.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

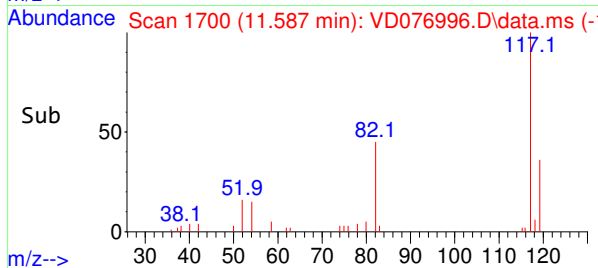
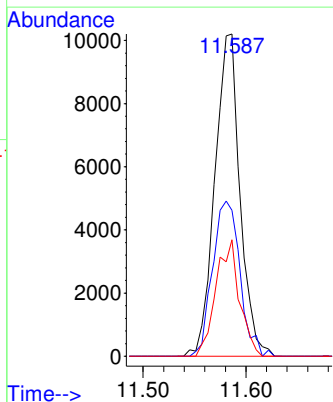
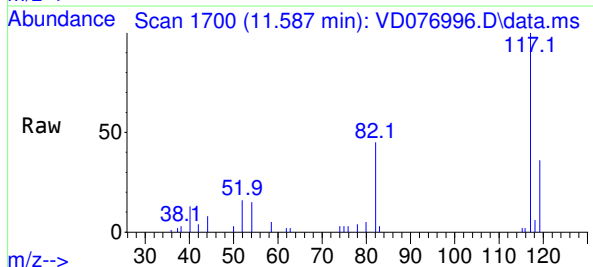
Instrument :
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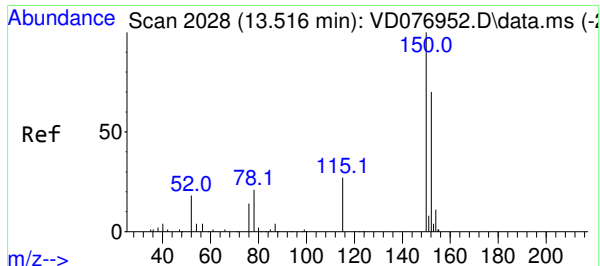
Tgt Ion:	95	Resp:	5488
Ion	Ratio	Lower	Upper
95	100		
174	102.1	0.0	201.8
176	95.4	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.007 min
Lab File: VD076996.D
Acq: 14 Aug 2023 12:58

Tgt Ion:	117	Resp:	17419
Ion	Ratio	Lower	Upper
117	100		
82	45.3	38.3	57.5
119	36.1	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.522 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD076996.D

Acq: 14 Aug 2023 12:58

Instrument :

MSVOA_D

ClientSampleId :

EO-01-081023

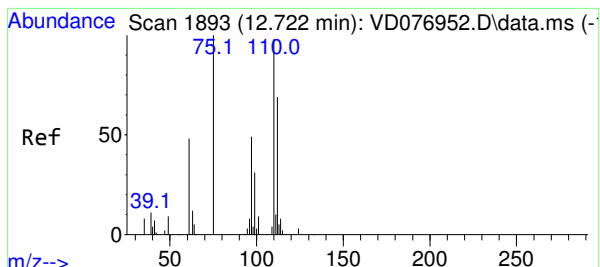
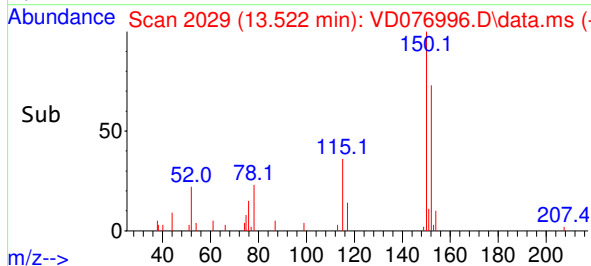
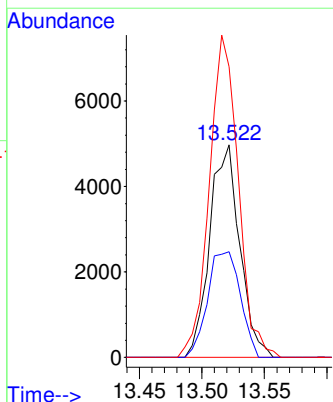
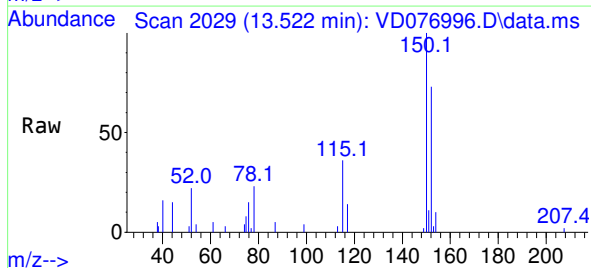
Tgt Ion:152 Resp: 8293

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.3

150 146.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 37.82 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD076996.D

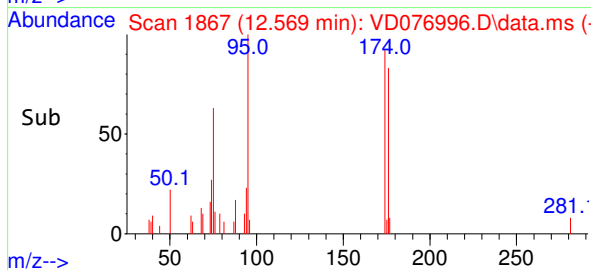
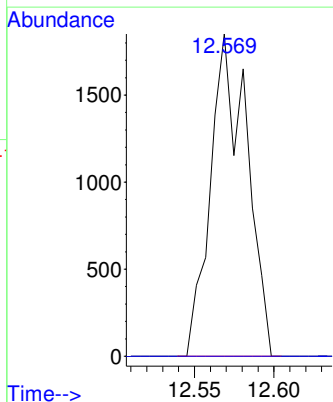
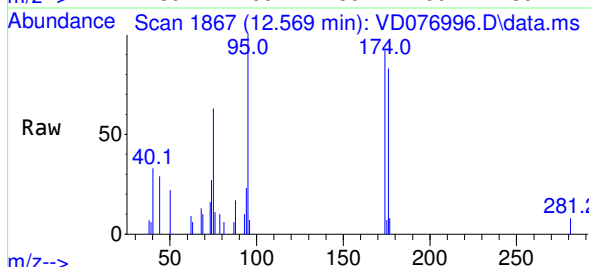
Acq: 14 Aug 2023 12:58

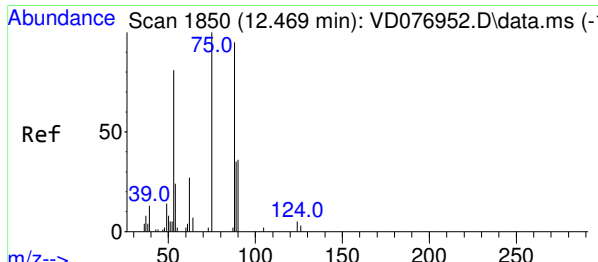
Tgt Ion: 75 Resp: 2942

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.85 ug/l
 RT: 12.569 min Scan# 1
 Delta R.T. 0.100 min
 Lab File: VD076996.D
 Acq: 14 Aug 2023 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-081023

Tgt Ion: 75 Resp: 2942
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

