

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077978.D
 Acq On : 19 Dec 2023 17:06
 Operator : RP/MD
 Sample : 05798-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:07:01 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)

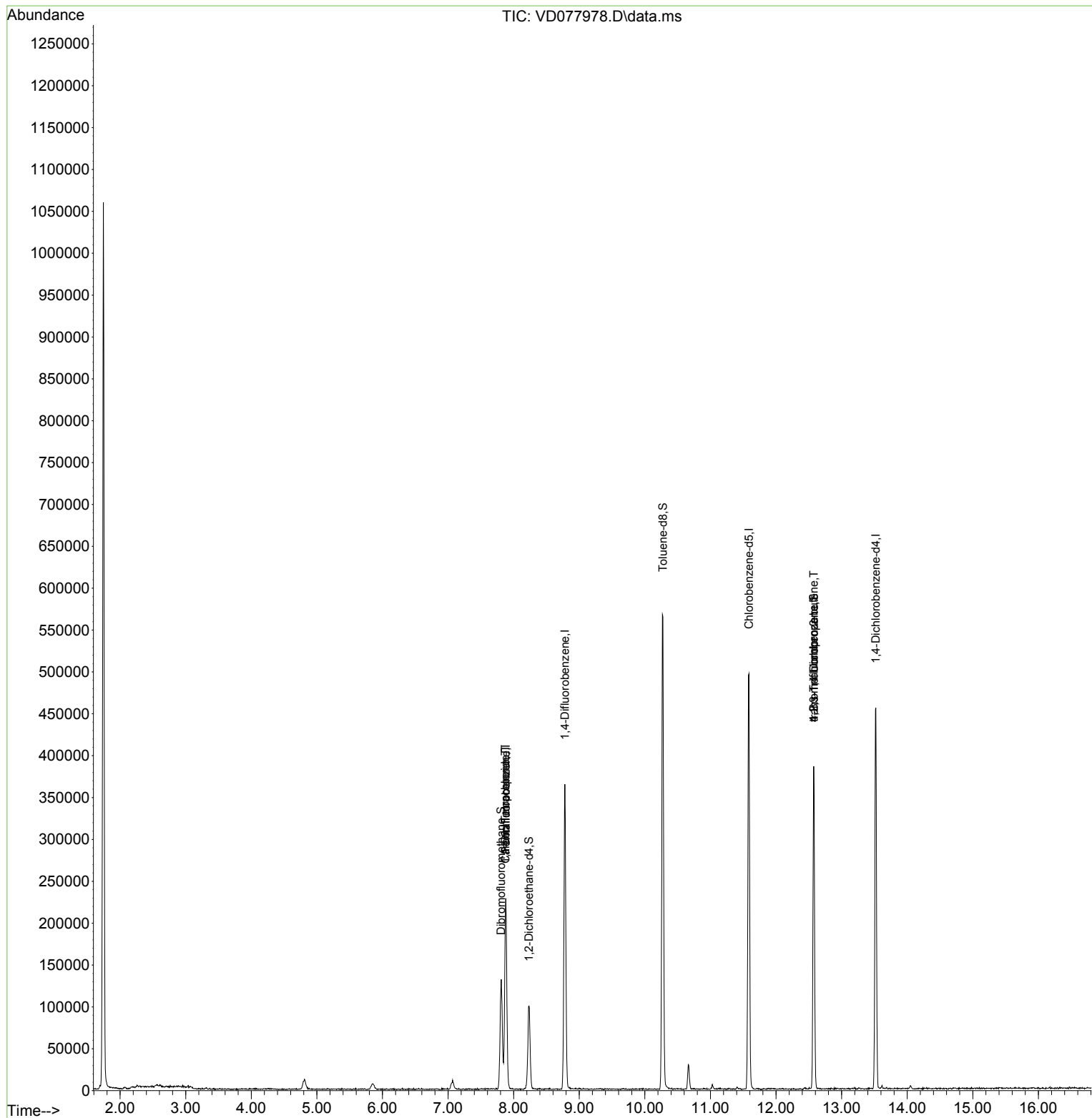
Internal Standards						
1) Pentafluorobenzene	7.881	168	175471	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	321104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	301566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	126030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80257	38.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.640%
35) Dibromofluoromethane	7.810	113	93810	41.708	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.420%
50) Toluene-d8	10.275	98	408845	45.385	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.760%
62) 4-Bromofluorobenzene	12.575	95	113052	41.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.016	59	60	Below Cal	#	73
16) Acetone	4.016	43	500	Below Cal		92
20) Methylene Chloride	4.816	84	9013	Below Cal		93
25) 2-Butanone	7.075	43	283	Below Cal	#	37
36) 1,1-Dichloropropene	7.875	75	14341	3.986	ug/l #	44
38) Carbon Tetrachloride	7.875	117	18267	5.093	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	58791	53.711	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58791	108.823	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	346	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.657	75	72	Below Cal	#	1

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

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ClientSampleId :

Quant Time: Dec 20 02:07:01 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077978.D

Acq: 19 Dec 2023 17:06

Instrument :

MSVOA_D

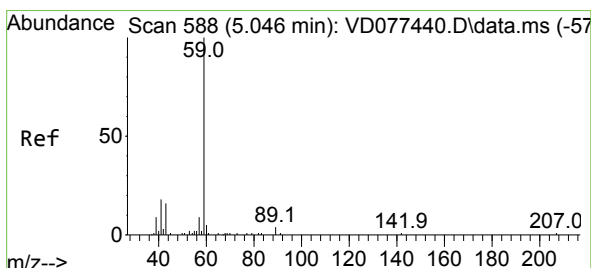
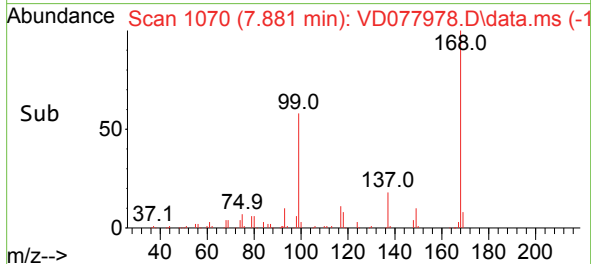
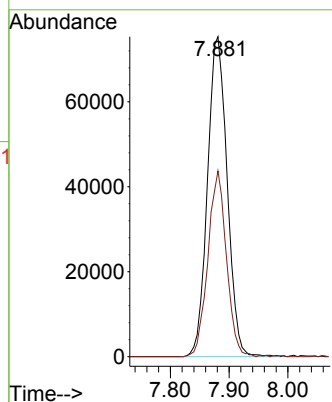
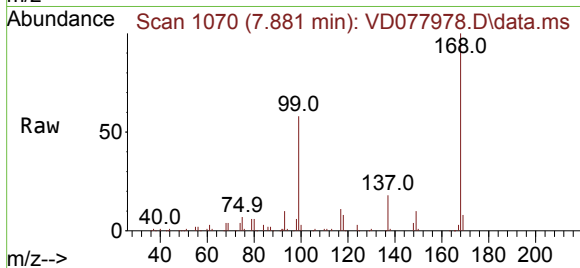
ClientSampleId :

Tgt Ion:168 Resp: 175471

Ion Ratio Lower Upper

168 100

99 58.0 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.016 min Scan# 583

Delta R.T. -0.030 min

Lab File: VD077978.D

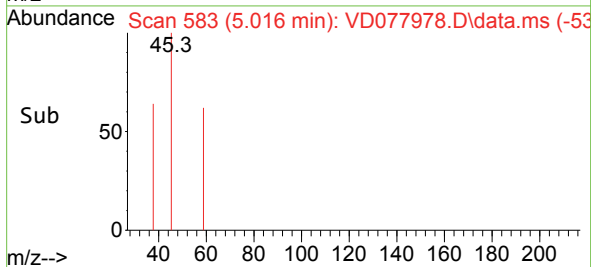
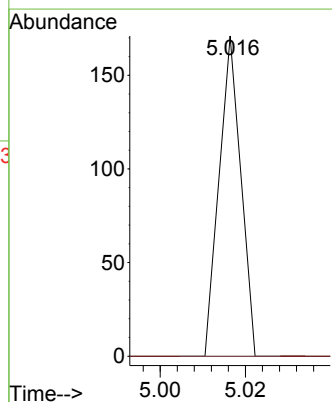
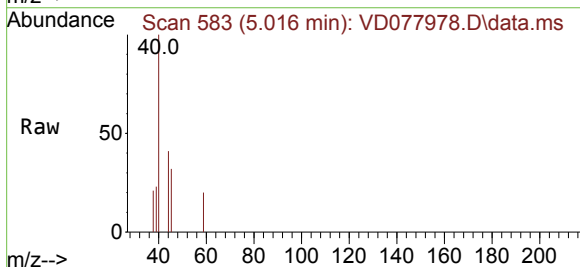
Acq: 19 Dec 2023 17:06

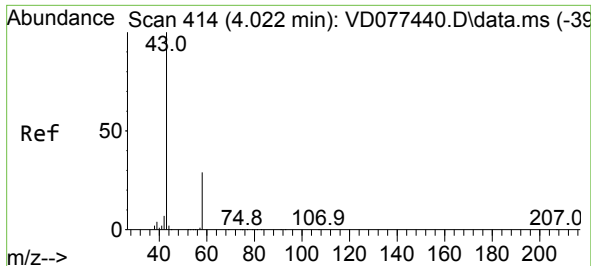
Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

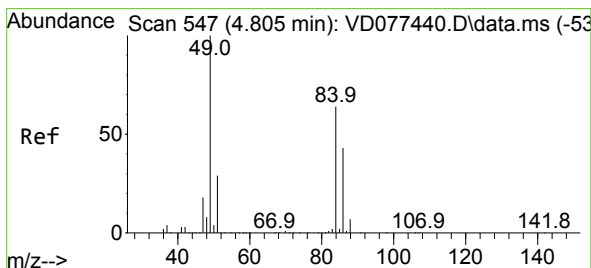
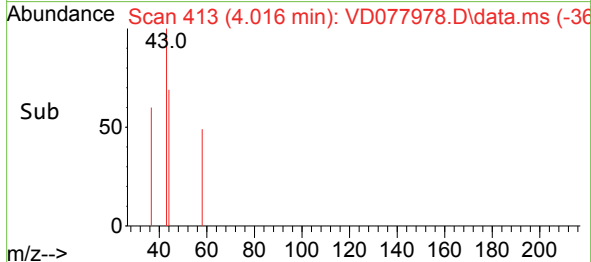
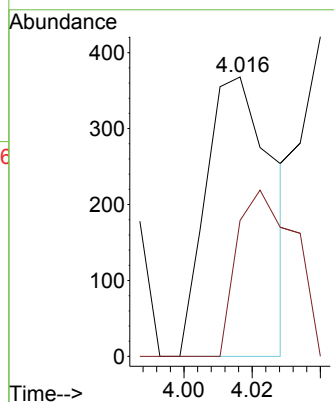
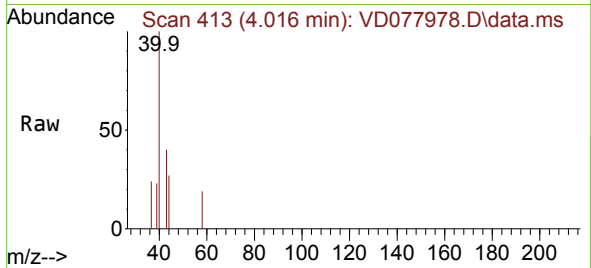




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

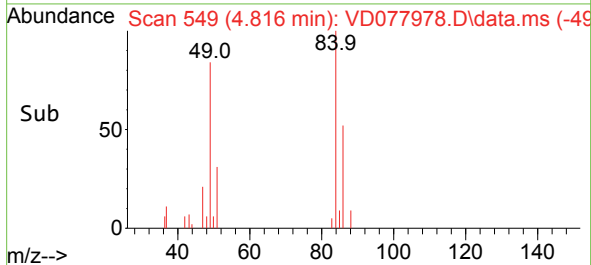
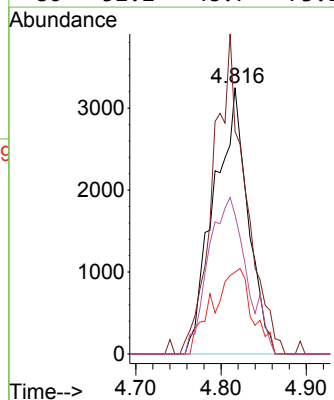
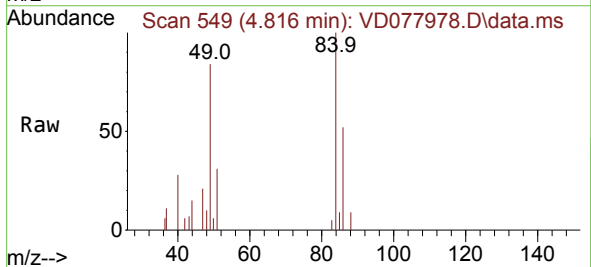
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 48.6 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

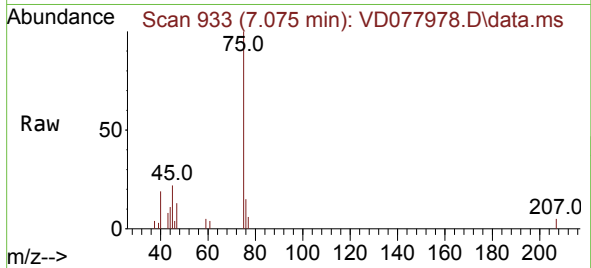
Tgt Ion: 84 Resp: 9013
Ion Ratio Lower Upper
84 100
49 83.5 71.4 107.2
51 30.7 24.5 36.7
86 52.2 48.7 73.1



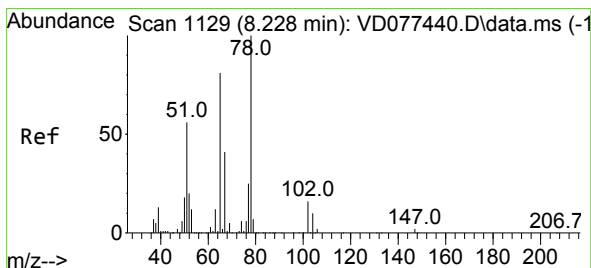
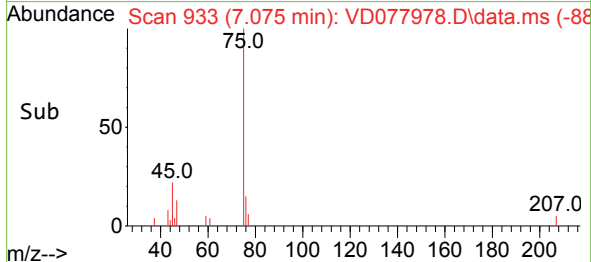
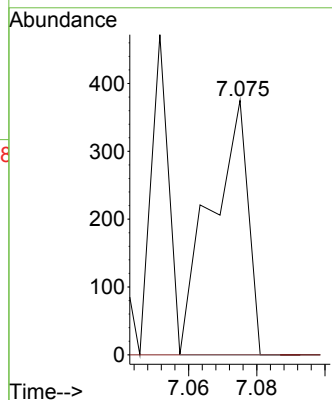


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

Instrument :
MSVOA_D
ClientSampleId :

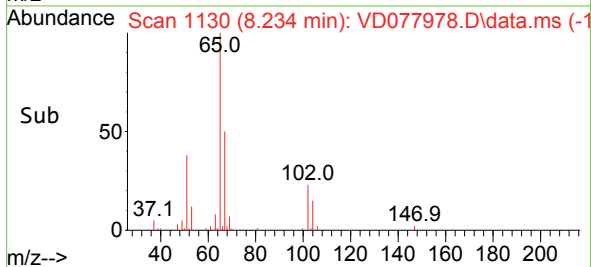
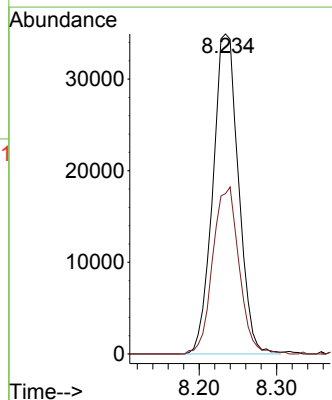
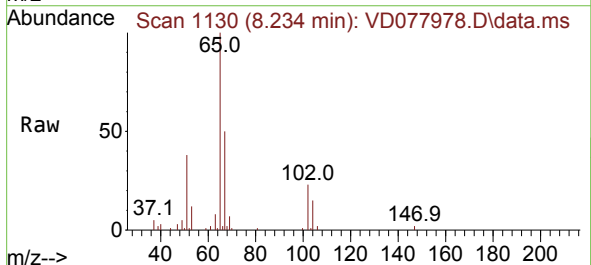


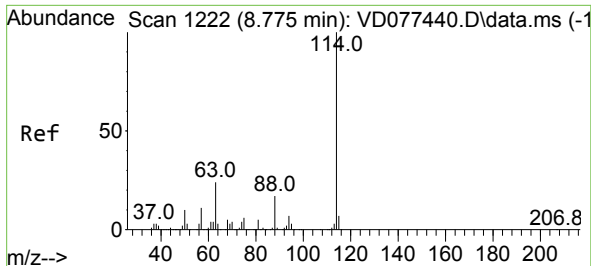
Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#33
1,2-Dichloroethane-d4
Concen: 38.815 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

Tgt Ion: 65 Resp: 80257
Ion Ratio Lower Upper
65 100
67 53.7 0.0 115.0

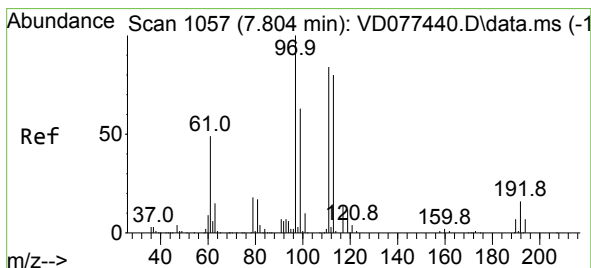
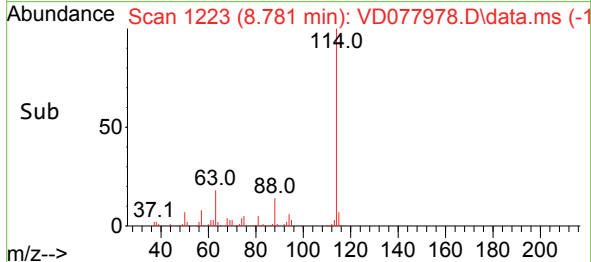
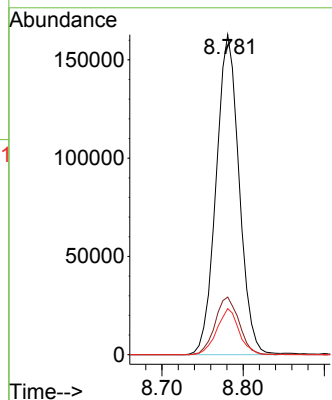
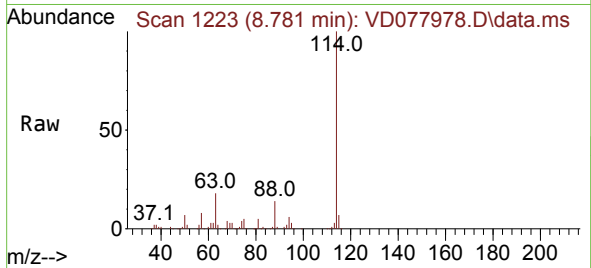




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

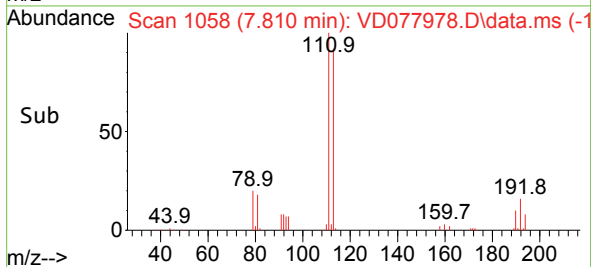
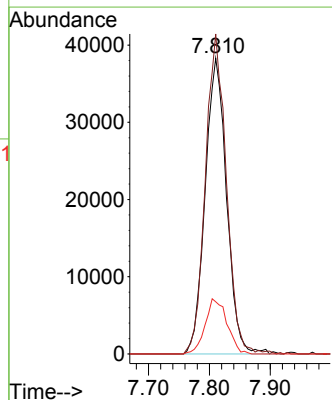
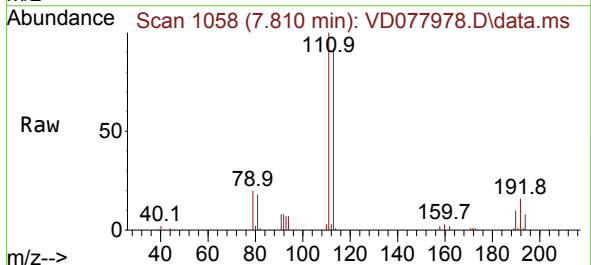
Instrument :
MSVOA_D
ClientSampleId :

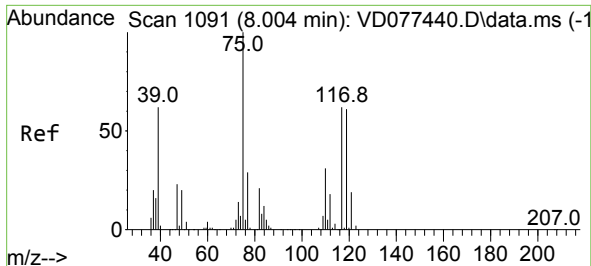
Tgt Ion:114 Resp: 321104
Ion Ratio Lower Upper
114 100
63 18.0 0.0 33.4
88 14.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 41.708 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

Tgt Ion:113 Resp: 93810
Ion Ratio Lower Upper
113 100
111 105.8 84.7 127.1
192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.986 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

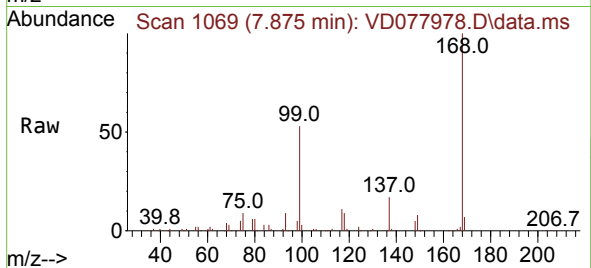
Lab File: VD077978.D

Acq: 19 Dec 2023 17:06

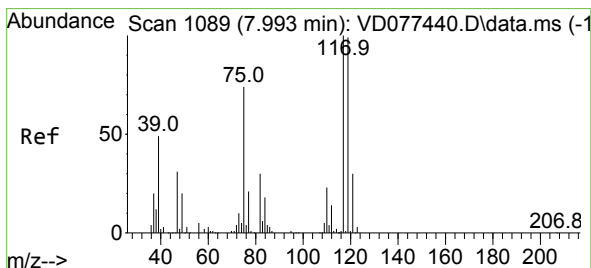
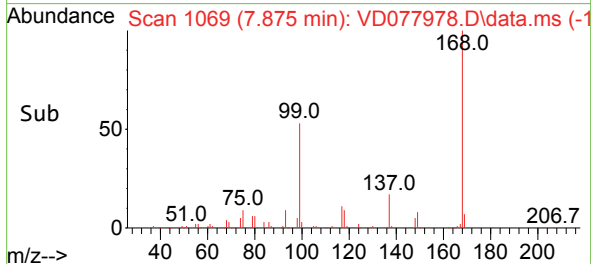
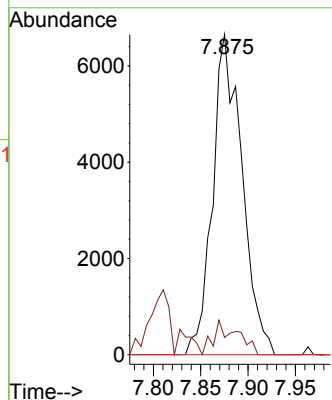
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	14341
Ion Ratio	Lower	Upper	
75	100		
110	5.1	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.093 ug/l

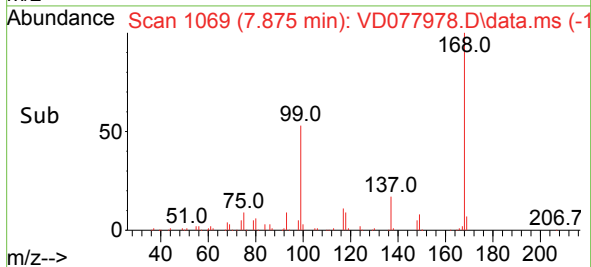
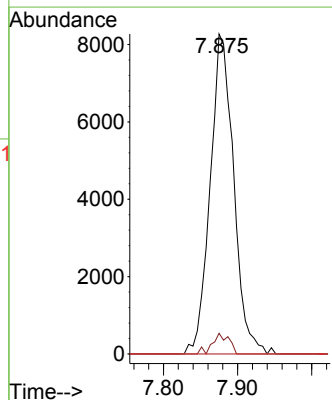
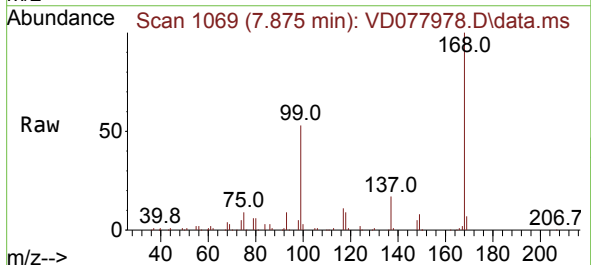
RT: 7.875 min Scan# 1069

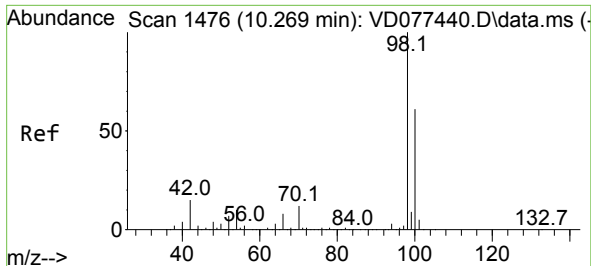
Delta R.T. -0.118 min

Lab File: VD077978.D

Acq: 19 Dec 2023 17:06

Tgt Ion:	117	Resp:	18267
Ion Ratio	Lower	Upper	
117	100		
119	6.4	78.0	117.0#
121	0.0	24.2	36.2#

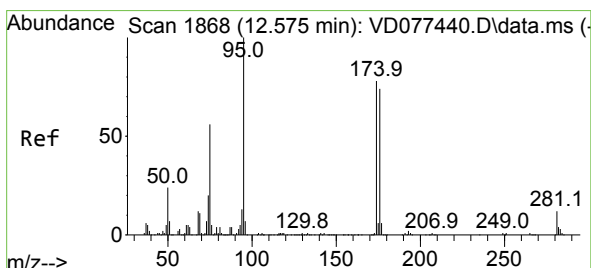
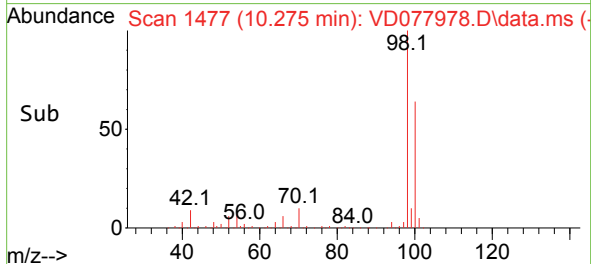
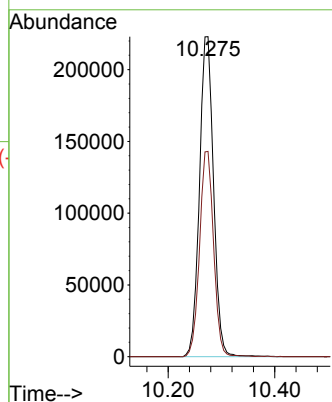
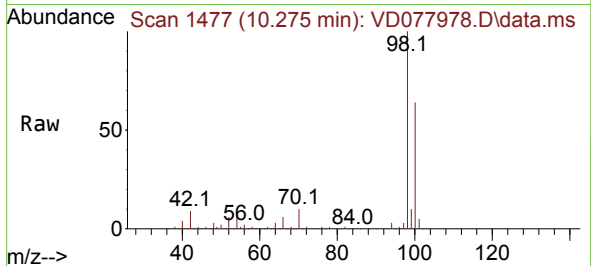




#50
Toluene-d8
Concen: 45.385 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

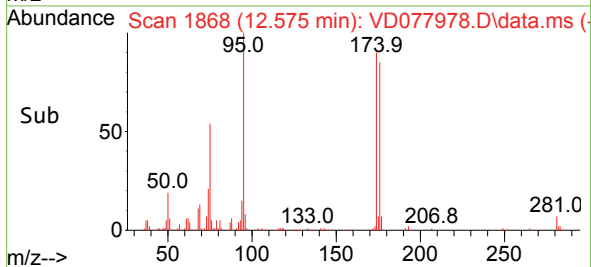
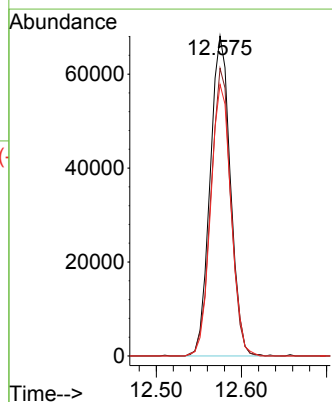
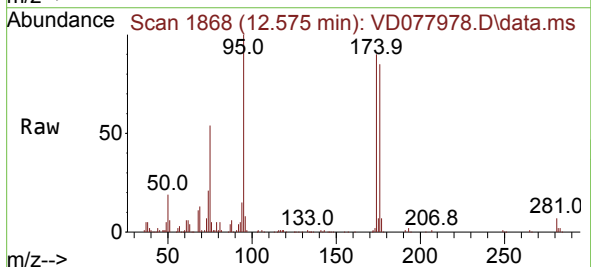
Instrument :
MSVOA_D
ClientSampleId :

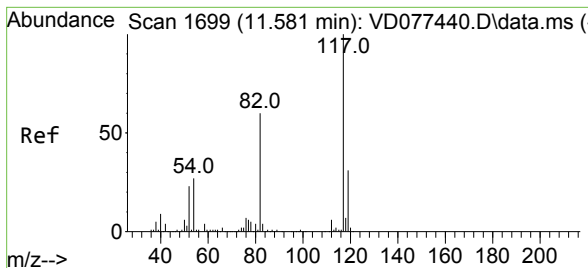
Tgt Ion: 98 Resp: 408845
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.975 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

Tgt Ion: 95 Resp: 113052
Ion Ratio Lower Upper
95 100
174 87.7 0.0 201.8
176 85.2 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077978.D

Acq: 19 Dec 2023 17:06

Instrument :

MSVOA_D

ClientSampleId :

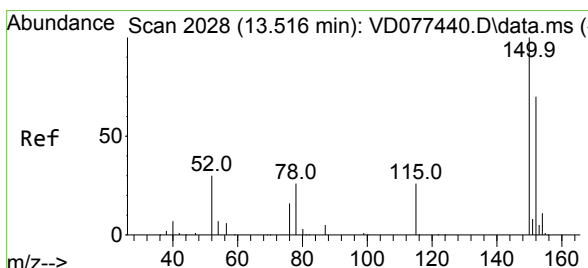
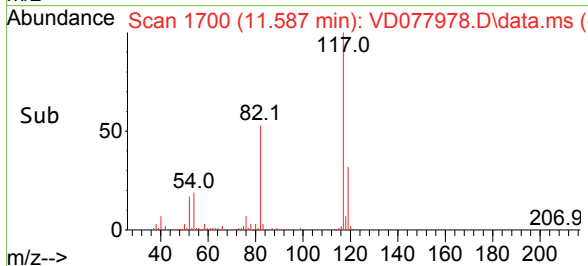
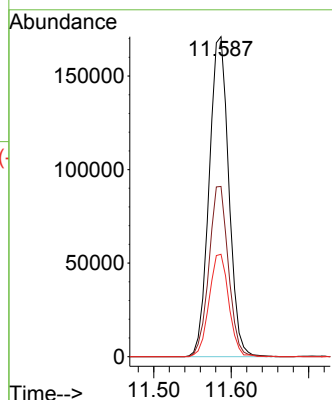
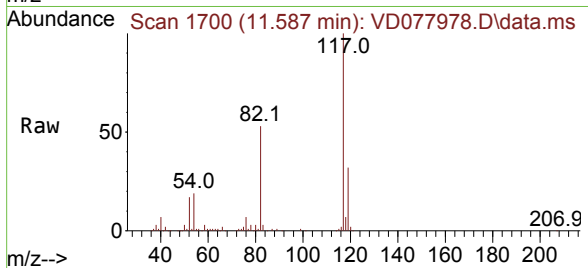
Tgt Ion:117 Resp: 301566

Ion Ratio Lower Upper

117 100

82 53.2 38.3 57.5

119 32.0 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD077978.D

Acq: 19 Dec 2023 17:06

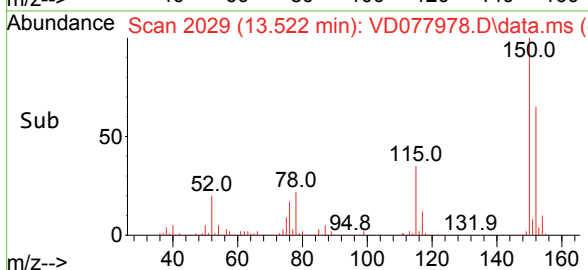
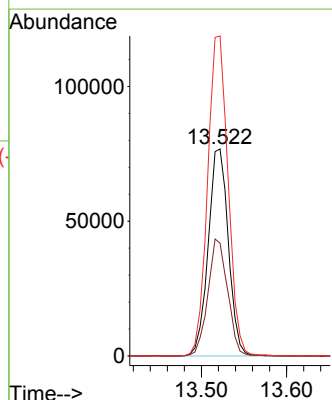
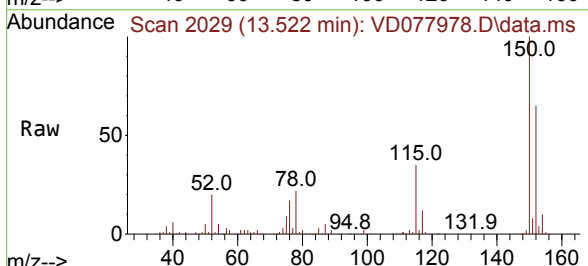
Tgt Ion:152 Resp: 126030

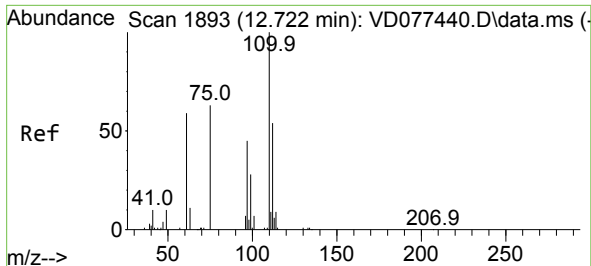
Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 157.0 0.0 353.6

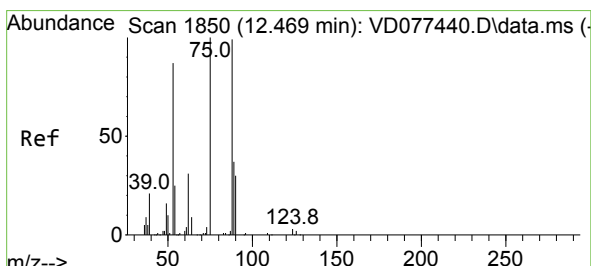
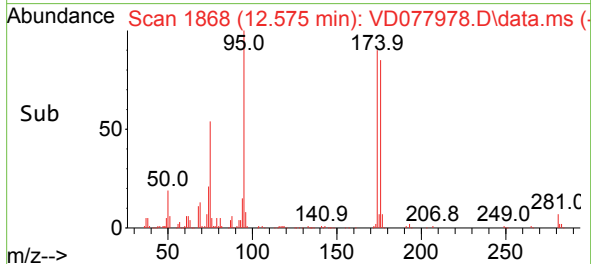
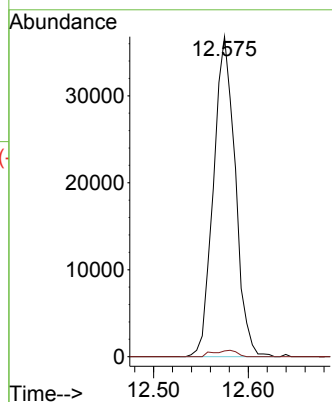
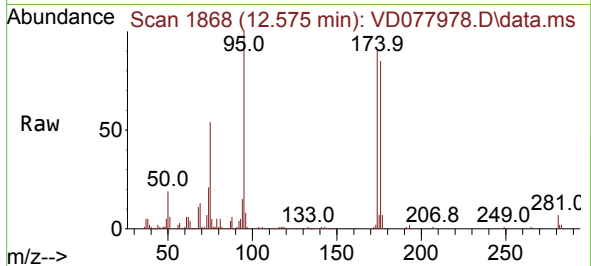




#76
1,2,3-Trichloropropane
Concen: 53.711 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

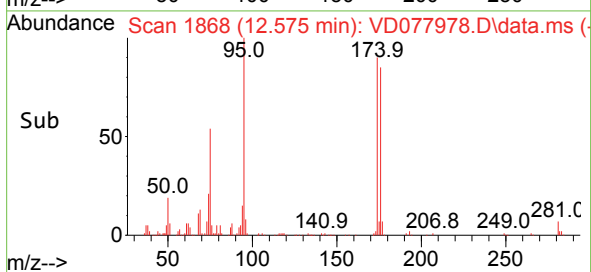
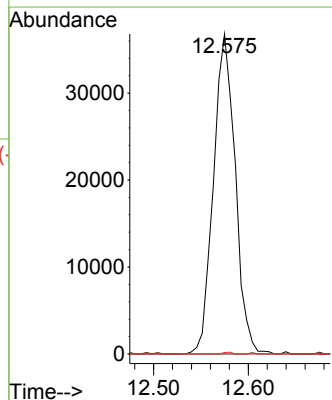
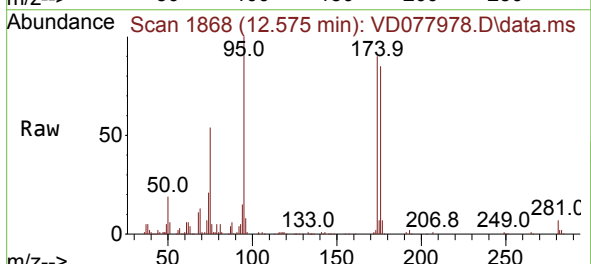
Instrument :
MSVOA_D
ClientSampleId :

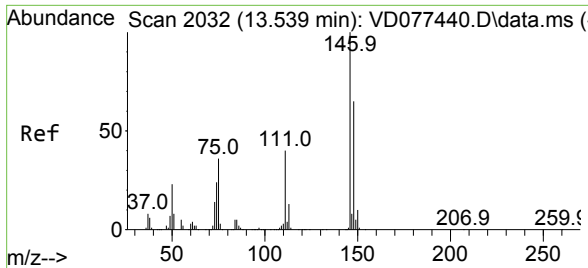
Tgt Ion: 75 Resp: 58791
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.823 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077978.D
Acq: 19 Dec 2023 17:06

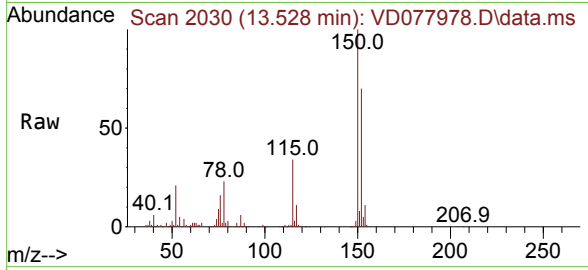
Tgt Ion: 75 Resp: 58791
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 2030
 Delta R.T. -0.011 min
 Lab File: VD077978.D
 Acq: 19 Dec 2023 17:06

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	346
Ion	Ratio	Lower	Upper
146	100		
111	515.0	17.4	52.3#
148	334.4	31.7	95.1#

