

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077416.D
 Acq On : 25 Oct 2023 16:07
 Operator : JC/SY
 Sample : 05010-03
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 07:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

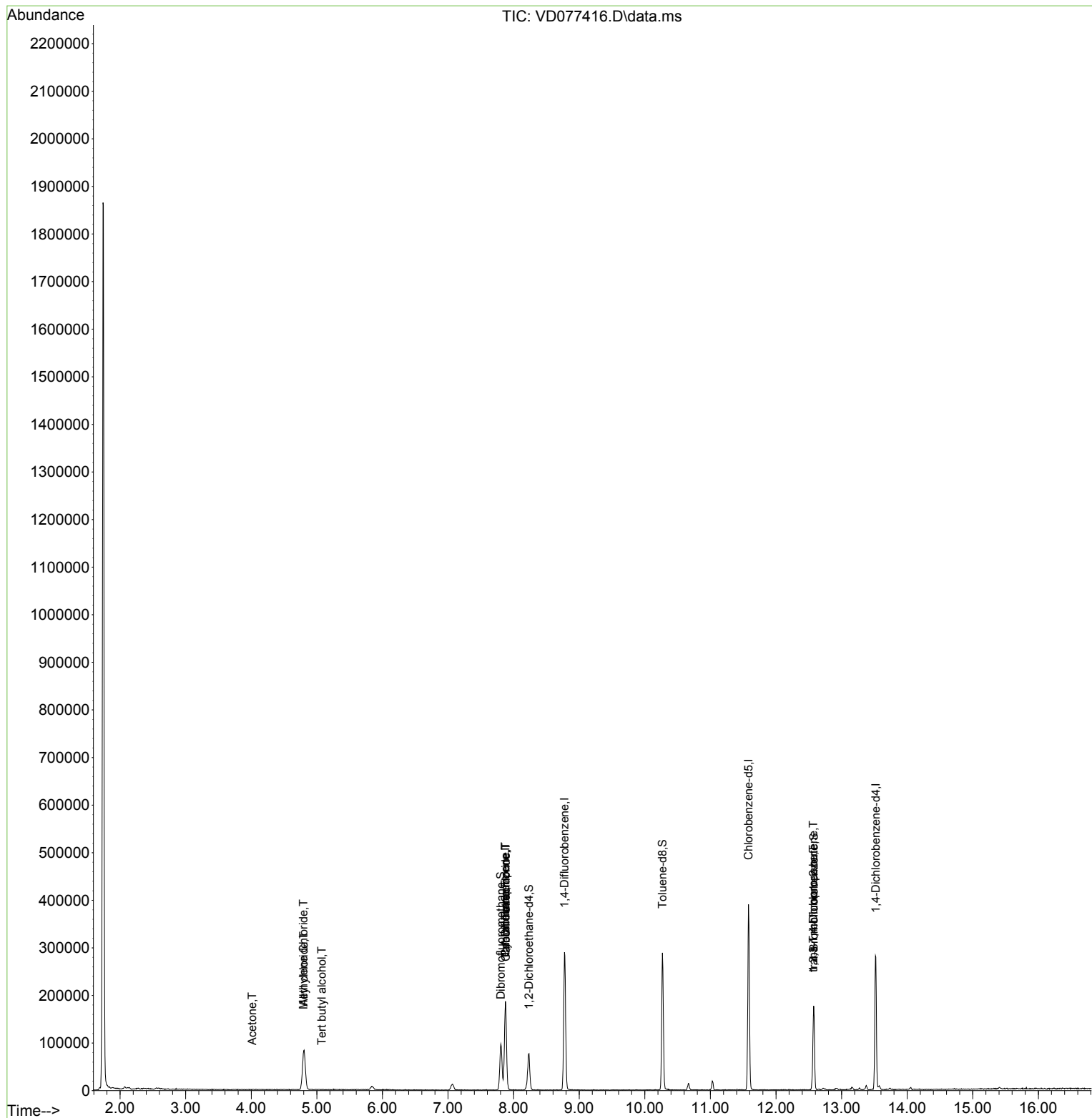
Internal Standards						
1) Pentafluorobenzene	7.875	168	149456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	280856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	246558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	84835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	57370	42.988	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.980%
35) Dibromofluoromethane	7.805	113	72865	36.929	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.860%
50) Toluene-d8	10.269	98	210470	29.785	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	59.560%
62) 4-Bromofluorobenzene	12.575	95	52497	25.808	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	51.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.075	59	309	4.116	ug/l #	73
14) Allyl chloride	4.799	41	2742	1.679	ug/l #	19
16) Acetone	4.017	43	579	1.978	ug/l #	32
20) Methylene Chloride	4.793	84	71786	39.530	ug/l	96
31) Cyclohexane	7.875	56	2902	1.398	ug/l #	25
36) 1,1-Dichloropropene	7.875	75	10788	4.161	ug/l #	45
38) Carbon Tetrachloride	7.881	117	14451	5.010	ug/l #	18
76) 1,2,3-Trichloropropane	12.569	75	26176	24.222	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	26176	82.678	ug/l #	18

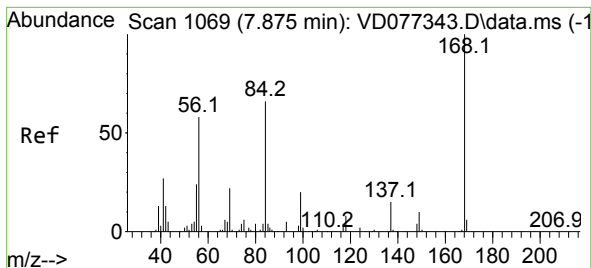
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077416.D

Acq: 25 Oct 2023 16:07

Instrument :

MSVOA_D

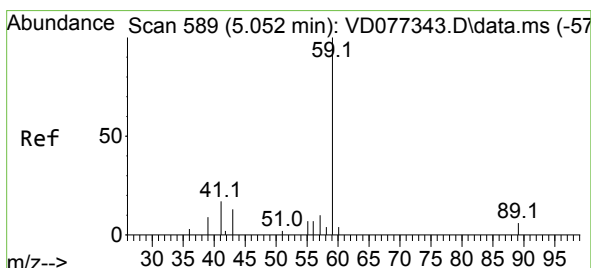
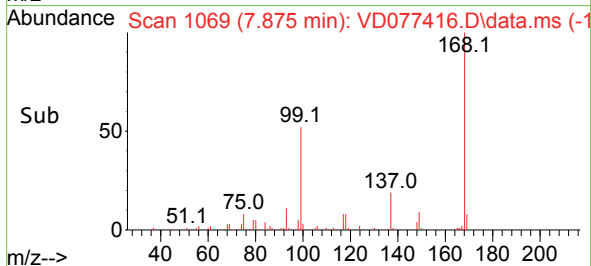
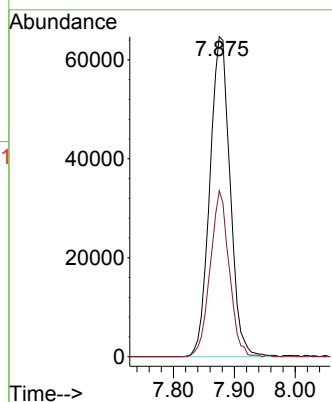
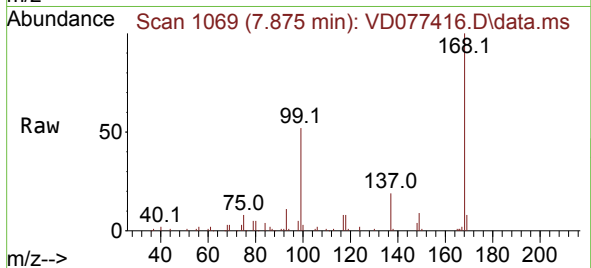
ClientSampleId :

Tgt Ion:168 Resp: 149456

Ion Ratio Lower Upper

168 100

99 51.8 36.7 55.1



#11

Tert butyl alcohol

Concen: 4.116 ug/l

RT: 5.075 min Scan# 593

Delta R.T. 0.023 min

Lab File: VD077416.D

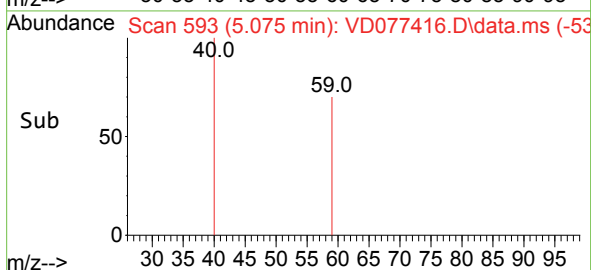
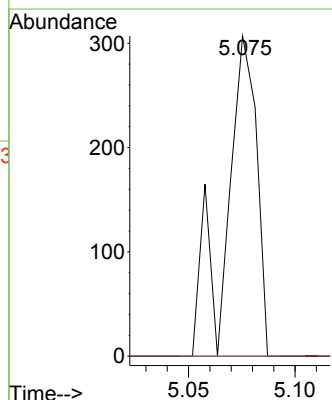
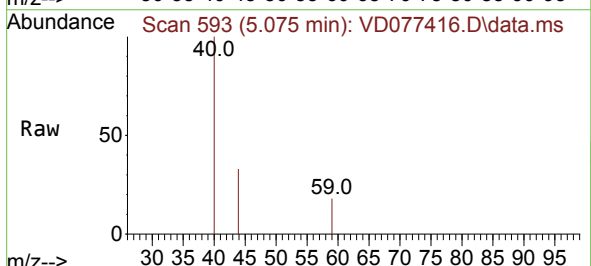
Acq: 25 Oct 2023 16:07

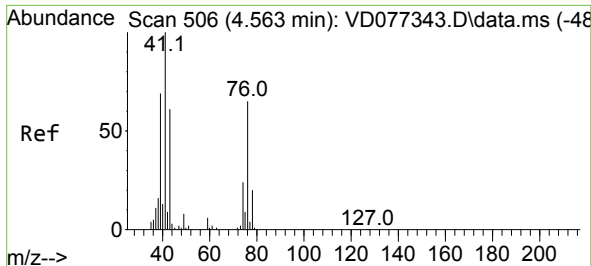
Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

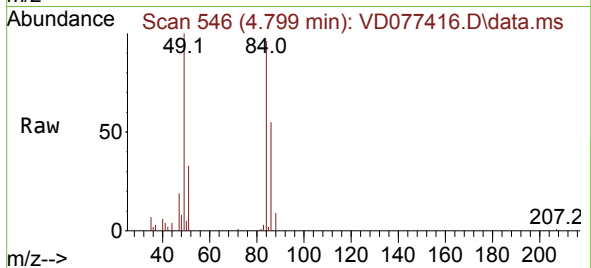
57 0.0 7.8 11.8#



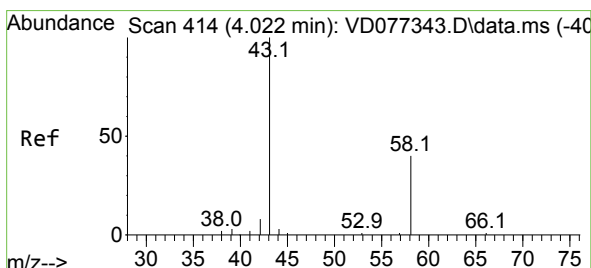
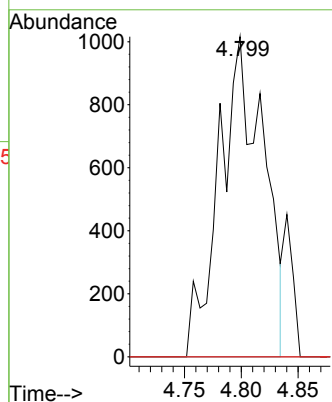
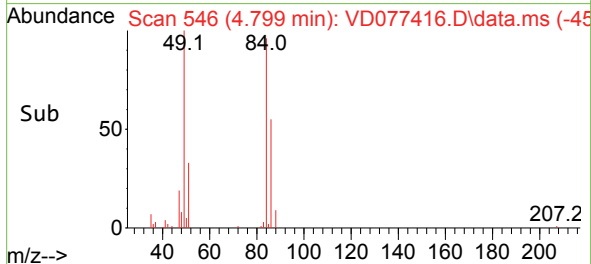


#14
 Allyl chloride
 Concen: 1.679 ug/l
 RT: 4.799 min Scan# 54
 Delta R.T. 0.236 min
 Lab File: VD077416.D
 Acq: 25 Oct 2023 16:07

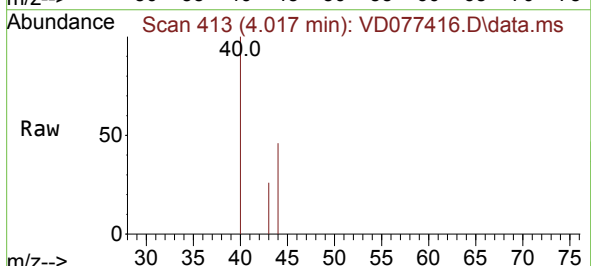
Instrument :
 MSVOA_D
 ClientSampleId :



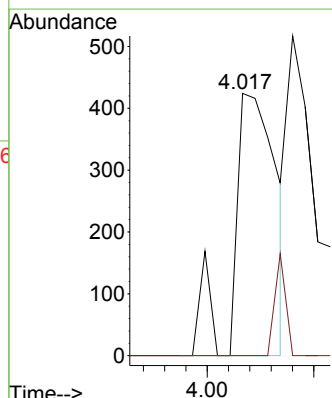
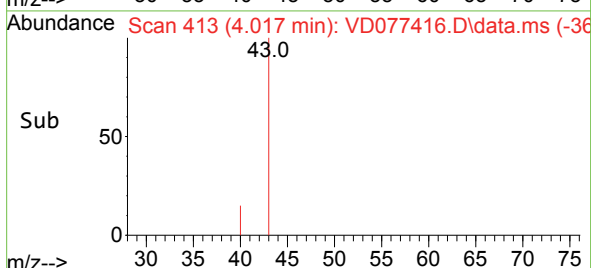
Tgt Ion: 41 Resp: 2742
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.8 80.6#
 76 0.0 45.8 68.8#

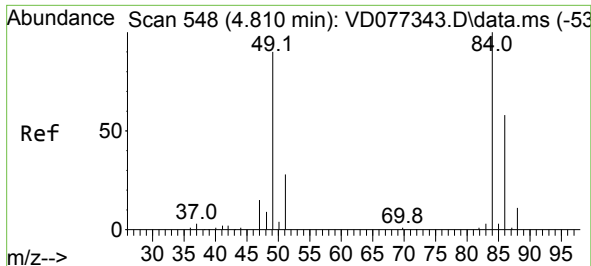


#16
 Acetone
 Concen: 1.978 ug/l
 RT: 4.017 min Scan# 413
 Delta R.T. -0.005 min
 Lab File: VD077416.D
 Acq: 25 Oct 2023 16:07



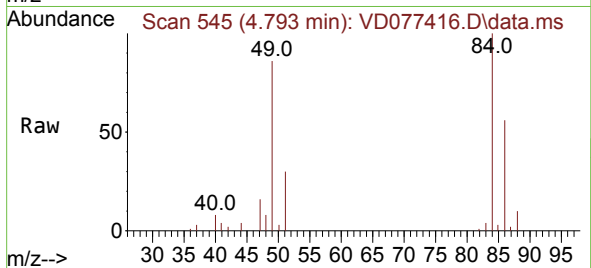
Tgt Ion: 43 Resp: 579
 Ion Ratio Lower Upper
 43 100
 58 0.0 34.7 52.1#



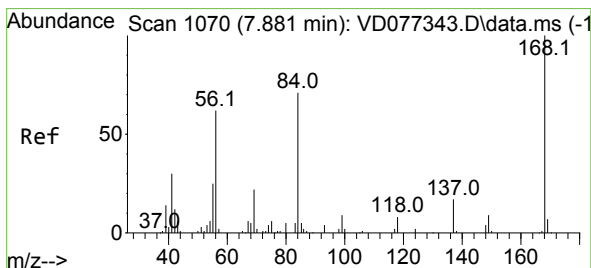
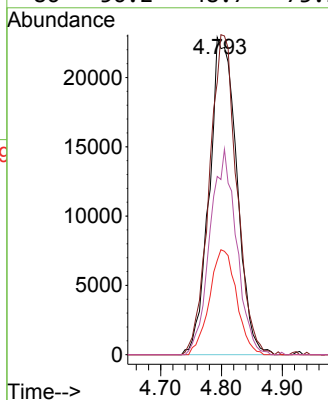
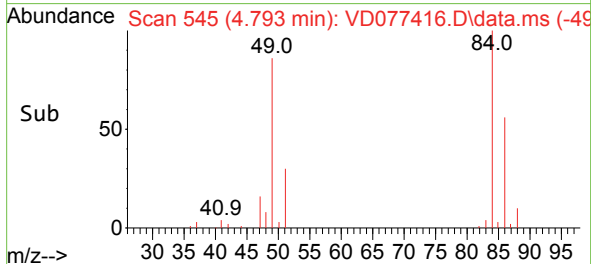


#20
Methylene Chloride
Concen: 39.530 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD077416.D
Acq: 25 Oct 2023 16:07

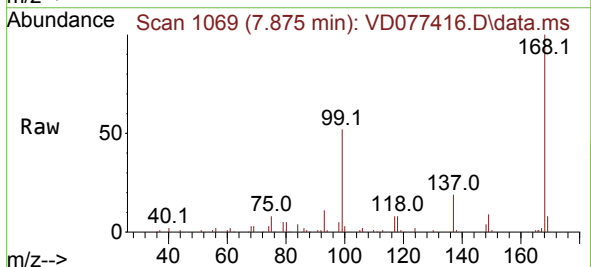
Instrument :
MSVOA_D
ClientSampleId :



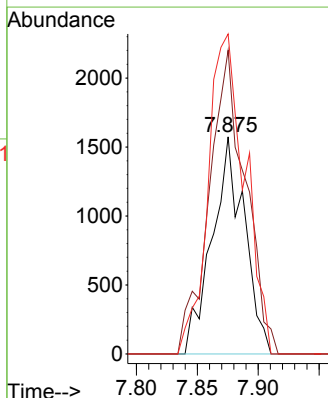
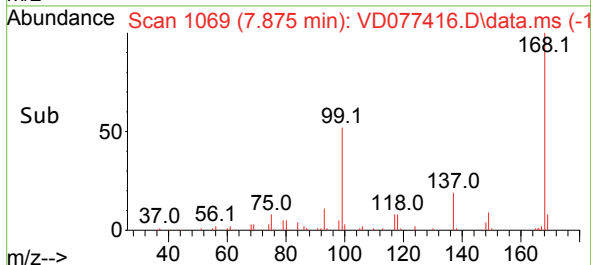
Tgt Ion: 84 Resp: 71786
Ion Ratio Lower Upper
84 100
49 85.9 71.4 107.2
51 29.7 24.5 36.7
86 56.2 48.7 73.1

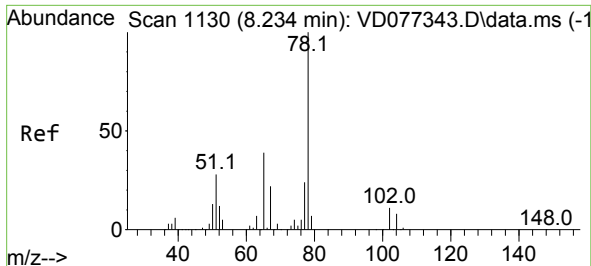


#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077416.D
Acq: 25 Oct 2023 16:07



Tgt Ion: 56 Resp: 2902
Ion Ratio Lower Upper
56 100
69 139.9 28.6 43.0#
84 147.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 42.988 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD077416.D

Acq: 25 Oct 2023 16:07

Instrument :

MSVOA_D

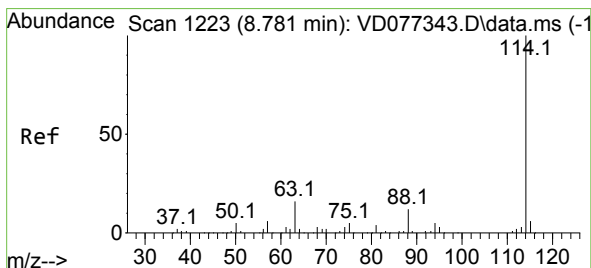
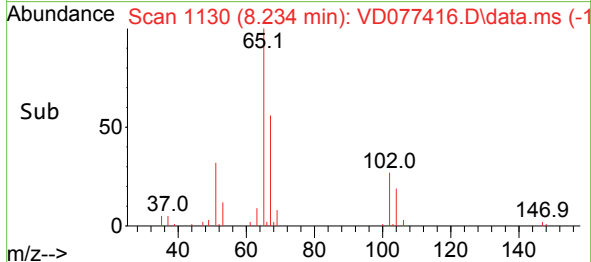
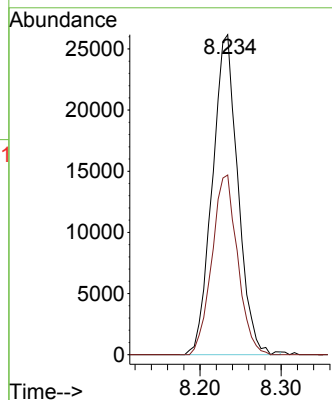
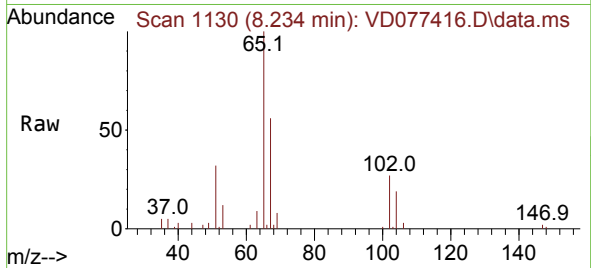
ClientSampleId :

Tgt Ion: 65 Resp: 57370

Ion Ratio Lower Upper

65 100

67 56.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077416.D

Acq: 25 Oct 2023 16:07

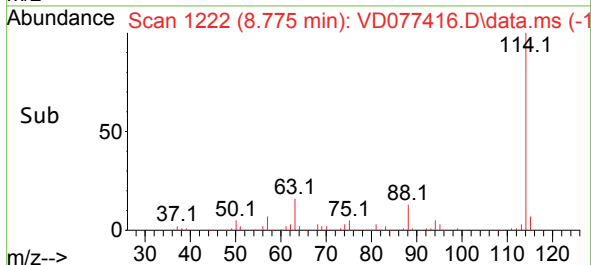
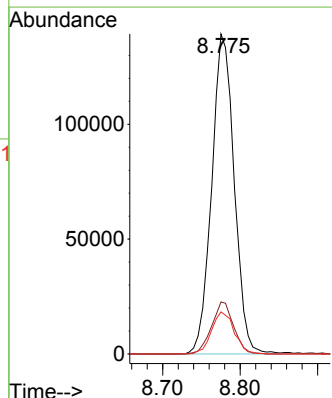
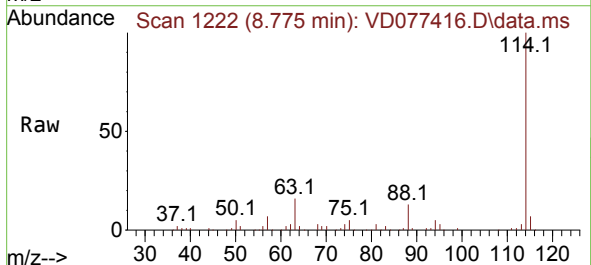
Tgt Ion: 114 Resp: 280856

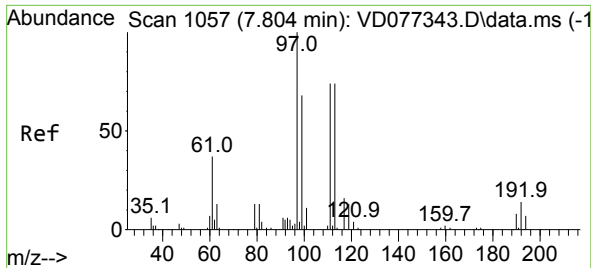
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

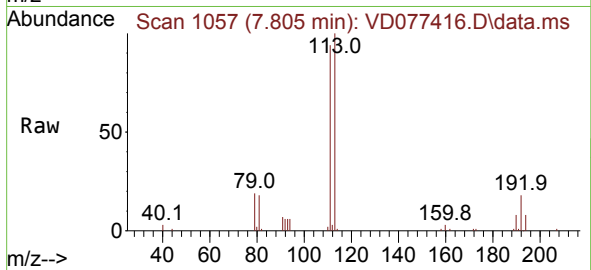
88 13.2 0.0 26.2



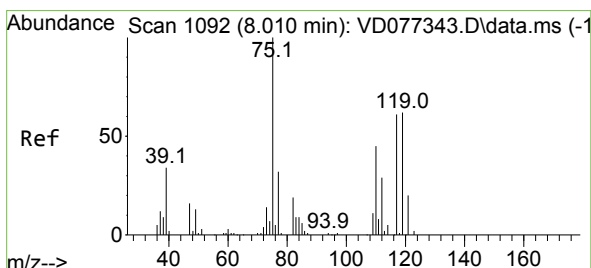
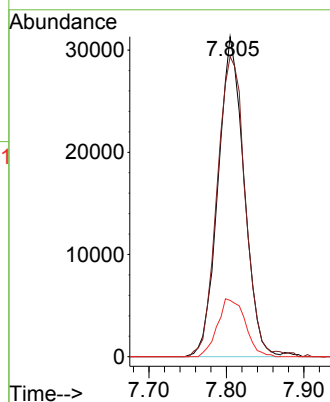
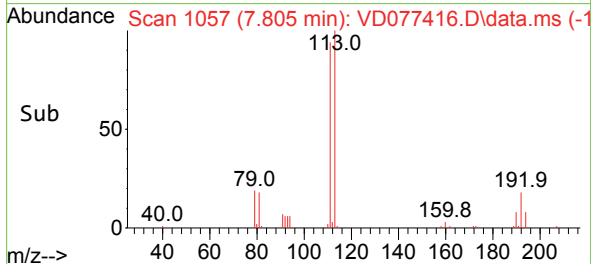


#35
Dibromofluoromethane
Concen: 36.929 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077416.D
Acq: 25 Oct 2023 16:07

Instrument :
MSVOA_D
ClientSampleId :

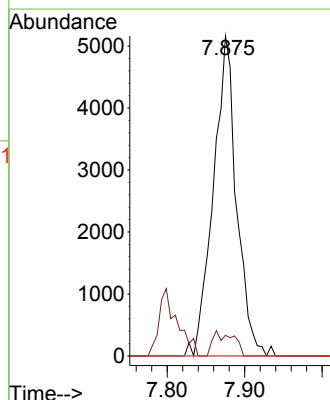
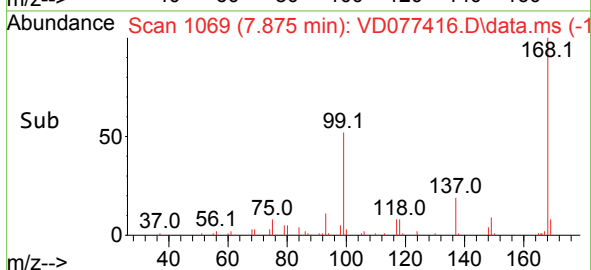
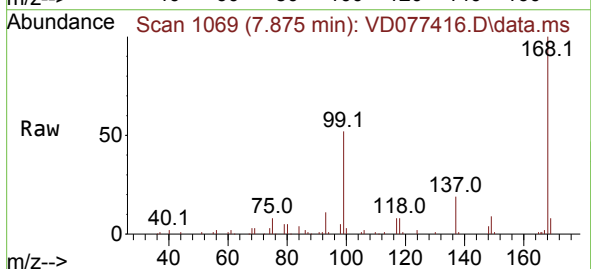


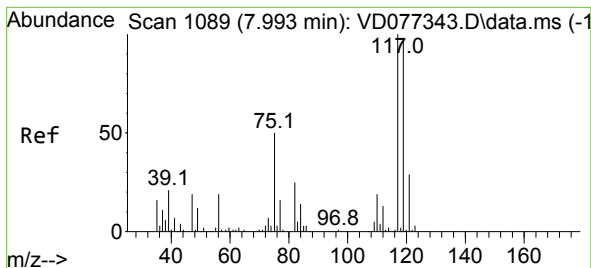
Tgt Ion:113 Resp: 72865
Ion Ratio Lower Upper
113 100
111 101.5 84.7 127.1
192 19.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.161 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077416.D
Acq: 25 Oct 2023 16:07

Tgt Ion: 75 Resp: 10788
Ion Ratio Lower Upper
75 100
110 6.8 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.010 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

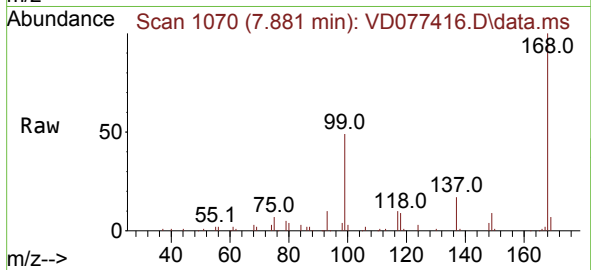
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Acq: 25 Oct 2023 16:07

Instrument :

MSVOA_D

ClientSampleId :



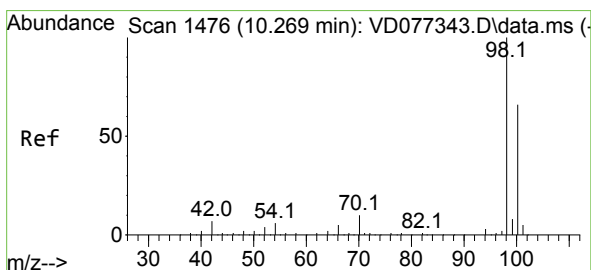
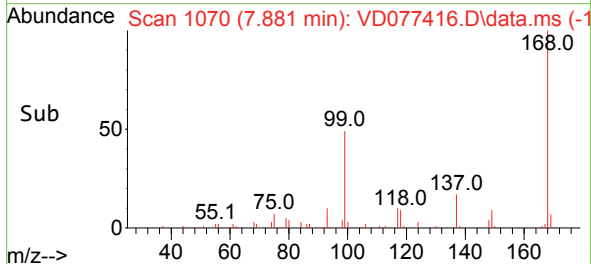
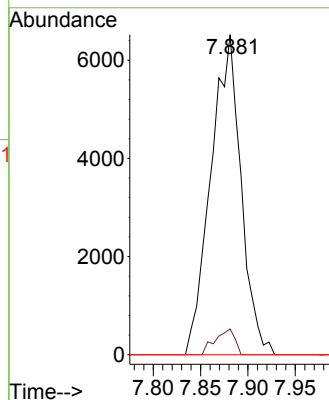
Tgt Ion:117 Resp: 14451

Ion Ratio Lower Upper

117 100

119 8.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 29.785 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077416.D

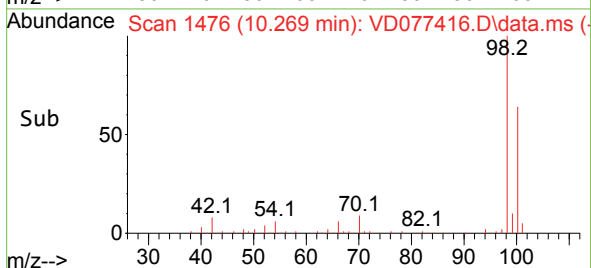
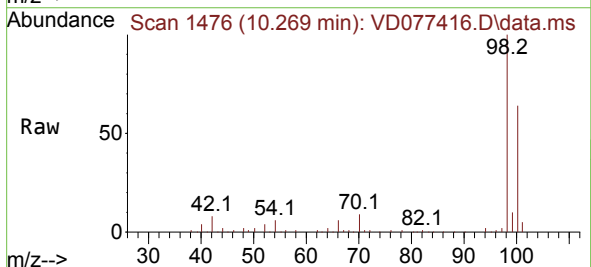
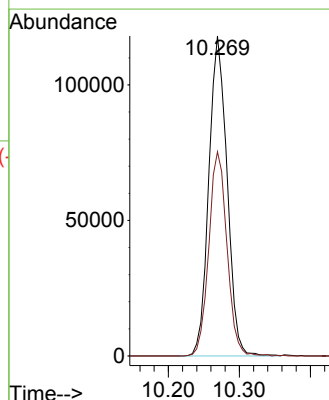
Acq: 25 Oct 2023 16:07

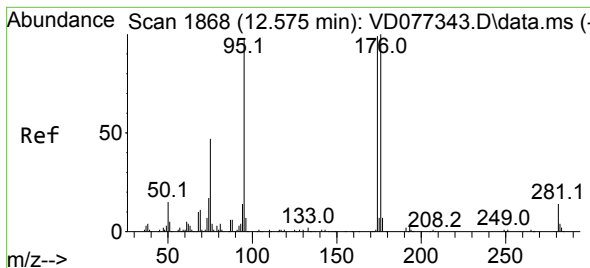
Tgt Ion: 98 Resp: 210470

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

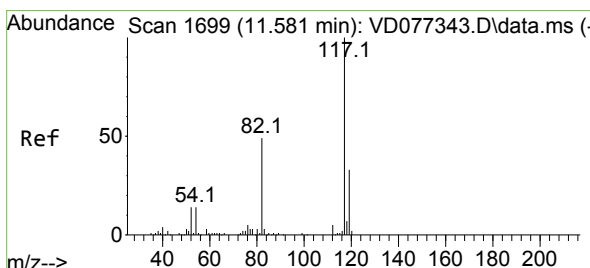
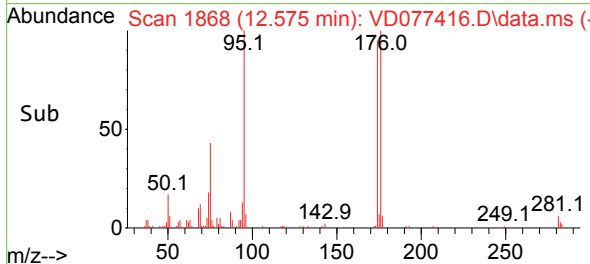
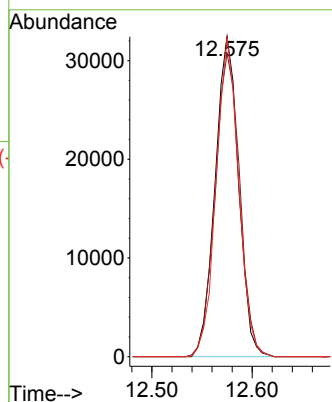
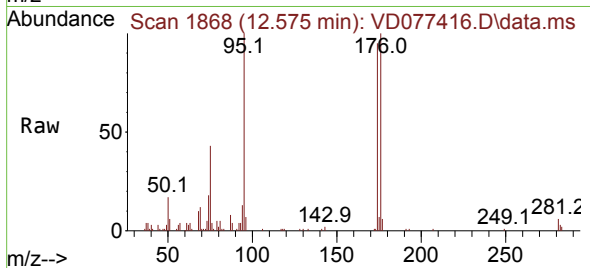




#62
4-Bromofluorobenzene
Concen: 25.808 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077416.D
Acq: 25 Oct 2023 16:07

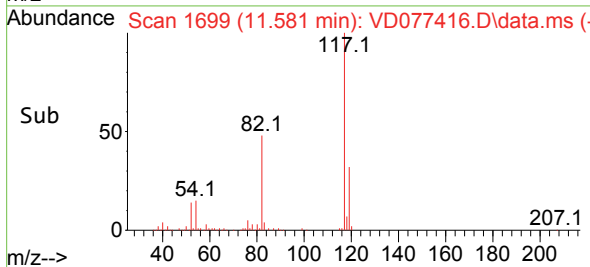
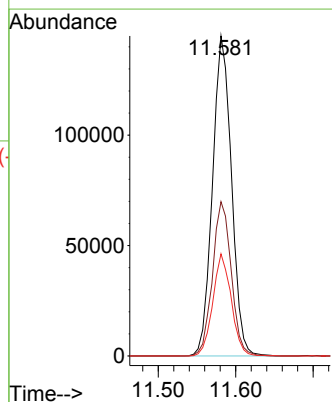
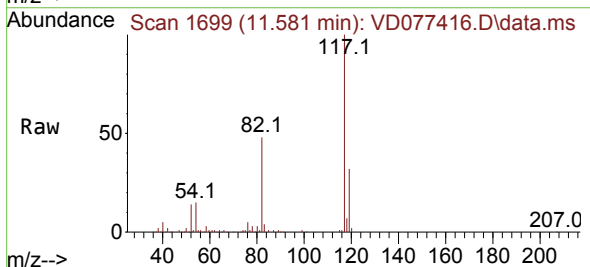
Instrument :
MSVOA_D
ClientSampleId :

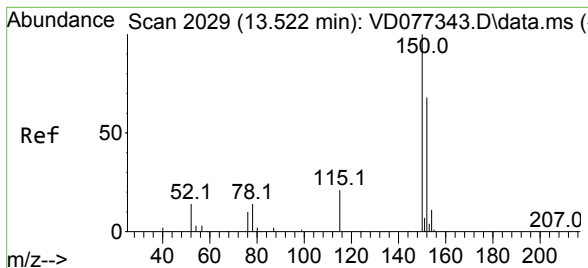
Tgt Ion: 95 Resp: 52497
Ion Ratio Lower Upper
95 100
174 99.3 0.0 201.8
176 96.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077416.D
Acq: 25 Oct 2023 16:07

Tgt Ion: 117 Resp: 246558
Ion Ratio Lower Upper
117 100
82 48.2 38.3 57.5
119 31.9 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

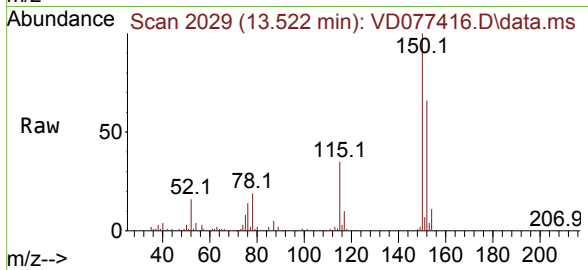
Lab File: VD077416.D

Acq: 25 Oct 2023 16:07

Instrument :

MSVOA_D

ClientSampleId :



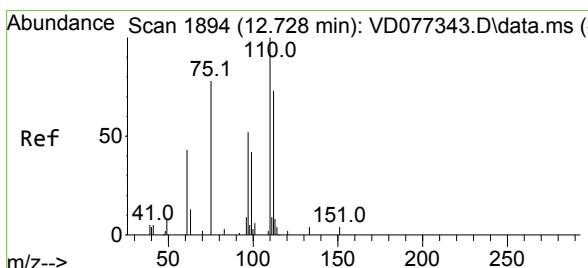
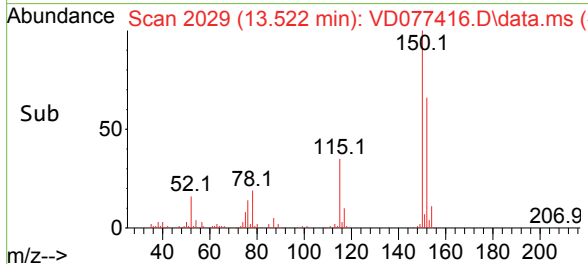
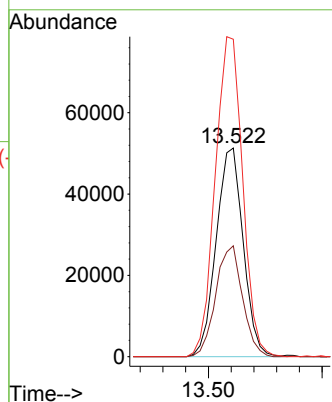
Tgt Ion:152 Resp: 84835

Ion Ratio Lower Upper

152 100

115 52.5 27.1 81.3

150 155.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 24.222 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.159 min

Lab File: VD077416.D

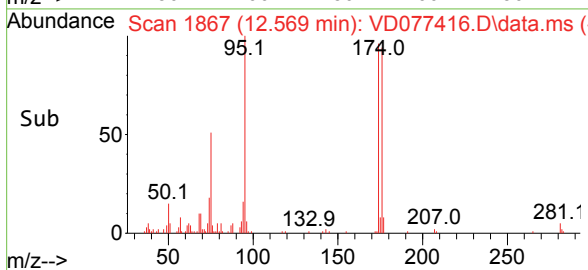
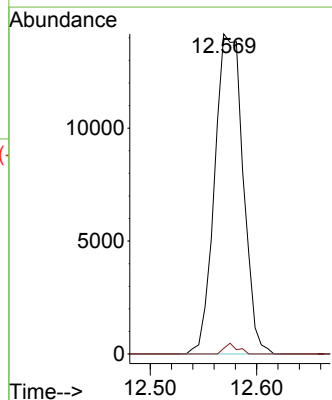
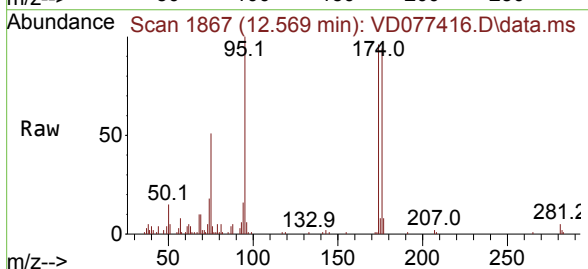
Acq: 25 Oct 2023 16:07

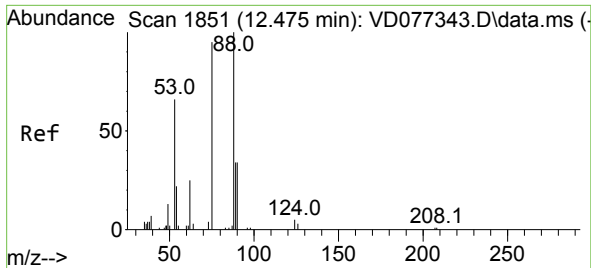
Tgt Ion: 75 Resp: 26176

Ion Ratio Lower Upper

75 100

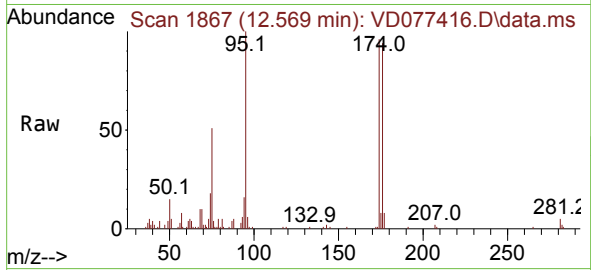
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.678 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.094 min
 Lab File: VD077416.D
 Acq: 25 Oct 2023 16:07

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	26176
Ion	Ratio	Lower	Upper
75	100		
53	0.9	63.0	94.4#
89	0.0	37.9	56.9#

