

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077867.D
 Acq On : 13 Dec 2023 17:25
 Operator : RP/MD
 Sample : 05611-02
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:55:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

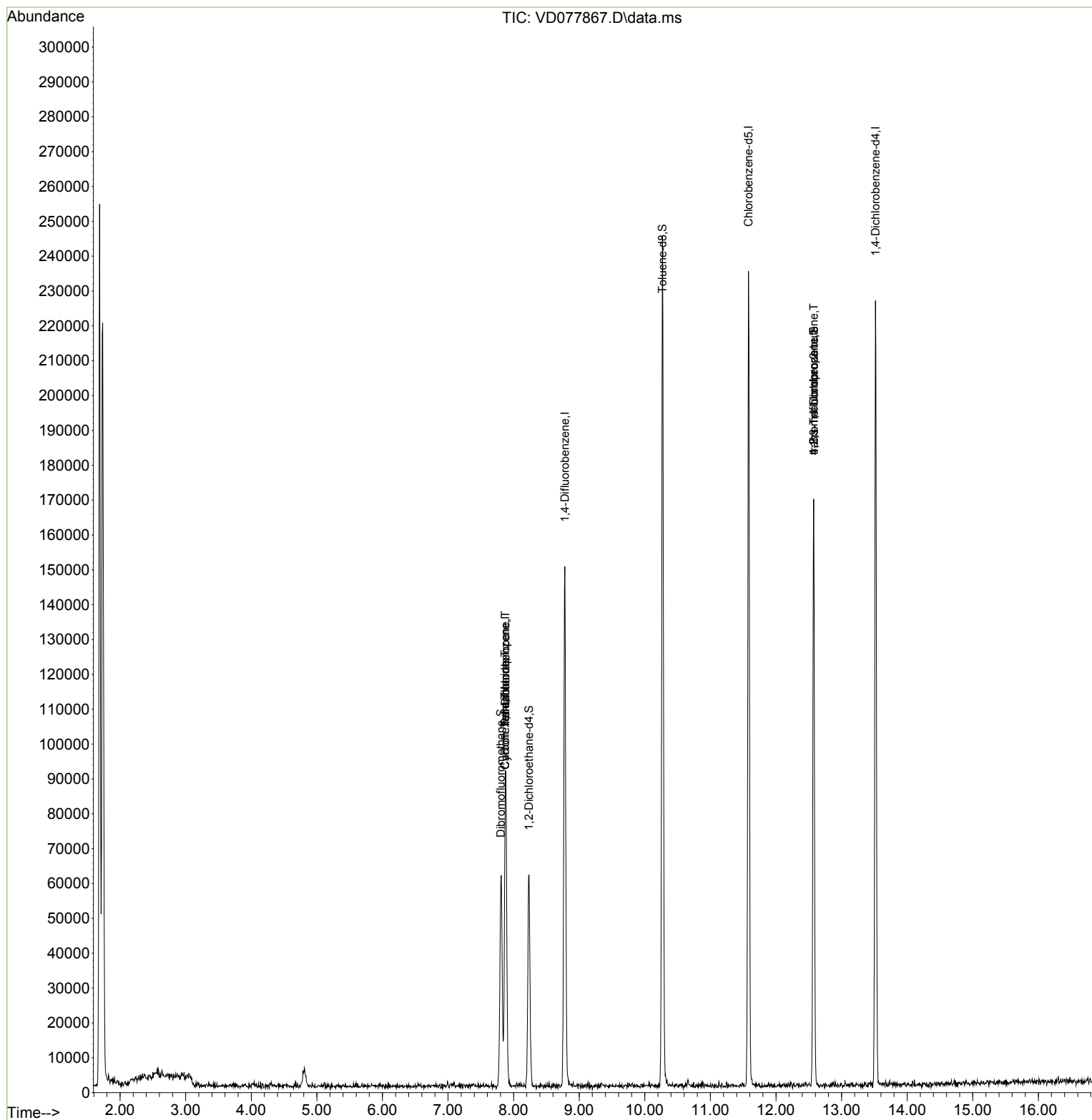
Internal Standards						
1) Pentafluorobenzene	7.875	168	72034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	133149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	61544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47187	55.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.180%
35) Dibromofluoromethane	7.805	113	43516	46.658	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.320%
50) Toluene-d8	10.269	98	168327	45.062	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.120%
62) 4-Bromofluorobenzene	12.575	95	50333	45.069	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.140%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.028	59	128	Below Cal	#	73
16) Acetone	4.028	43	620	Below Cal	#	32
20) Methylene Chloride	4.805	84	4162	Below Cal		89
25) 2-Butanone	7.081	43	74	Below Cal	#	37
31) Cyclohexane	7.869	56	1580	1.047	ug/l #	33
36) 1,1-Dichloropropene	7.875	75	6048	4.054	ug/l #	44
38) Carbon Tetrachloride	7.869	117	7224	4.857	ug/l #	19
76) 1,2,3-Trichloropropane	12.575	75	27728	51.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27728	105.103	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	59	Below Cal	#	26

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 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: VD077867.D

Acq: 13 Dec 2023 17:25

Instrument :

MSVOA_D

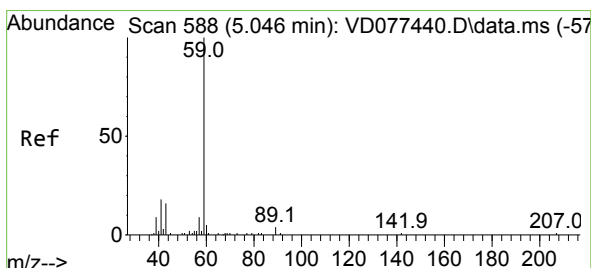
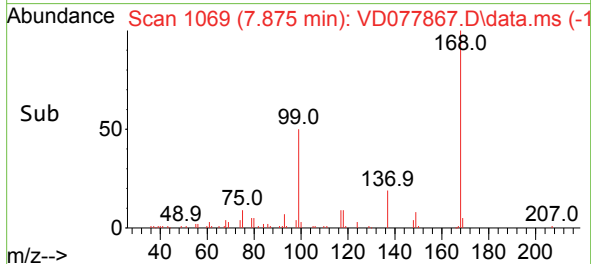
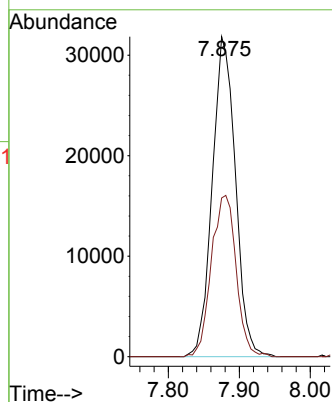
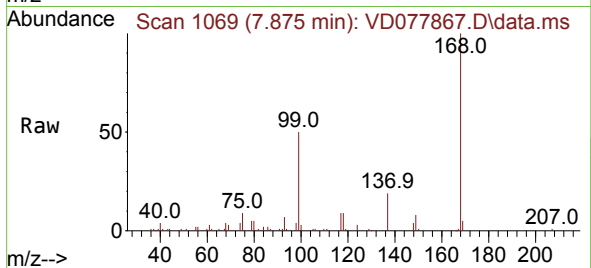
ClientSampleId :

Tgt Ion:168 Resp: 72034

Ion Ratio Lower Upper

168 100

99 49.6 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 585

Delta R.T. -0.018 min

Lab File: VD077867.D

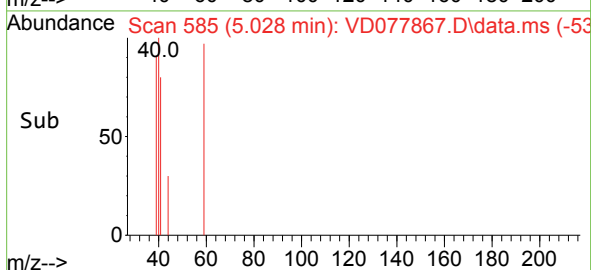
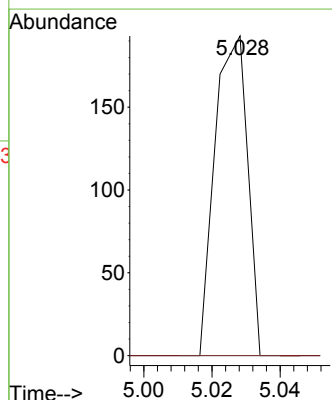
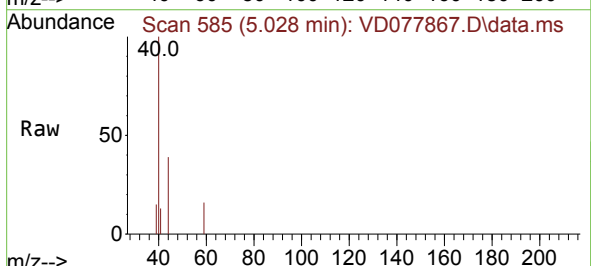
Acq: 13 Dec 2023 17:25

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

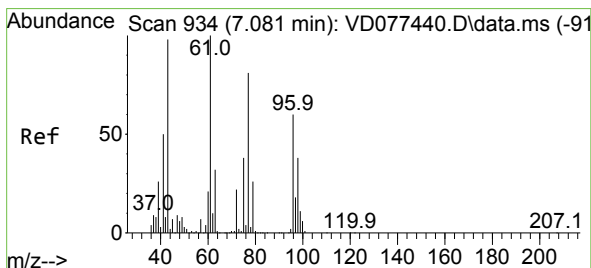
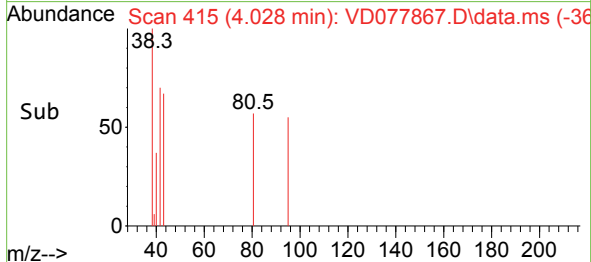
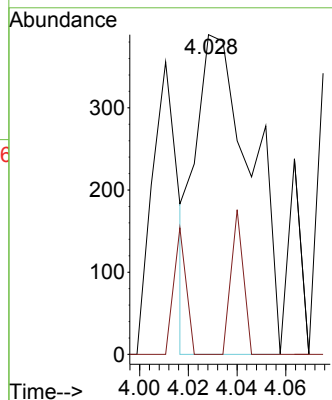
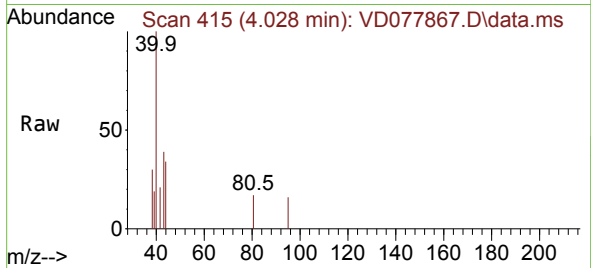




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

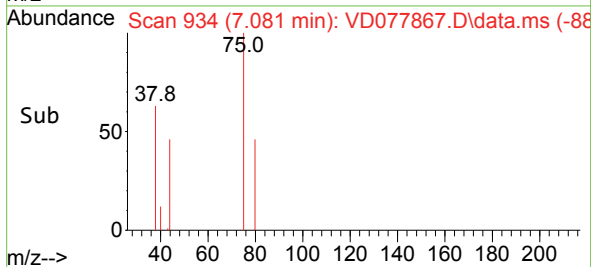
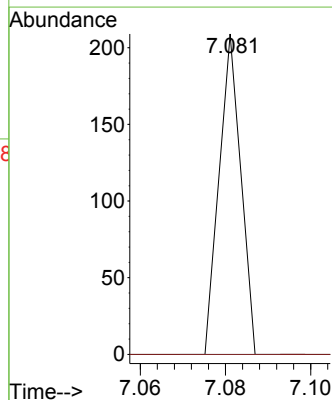
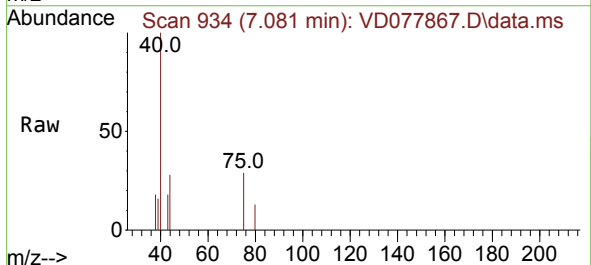
Instrument :
MSVOA_D
ClientSampleId :

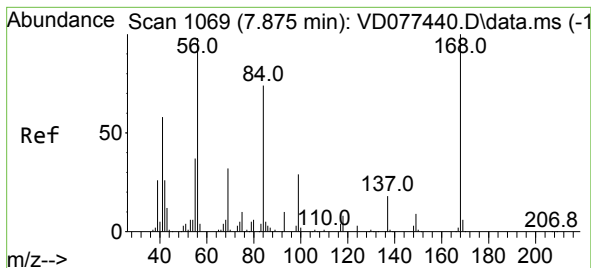
Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.869 min Scan# 110

Delta R.T. -0.006 min

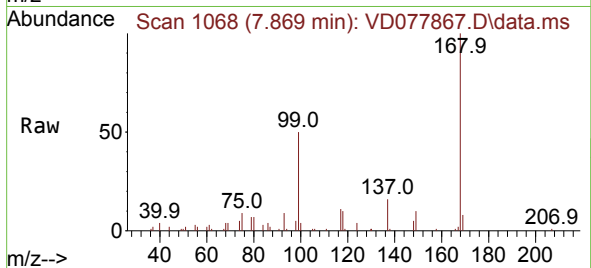
Lab File: VD077867.D

Acq: 13 Dec 2023 17:25

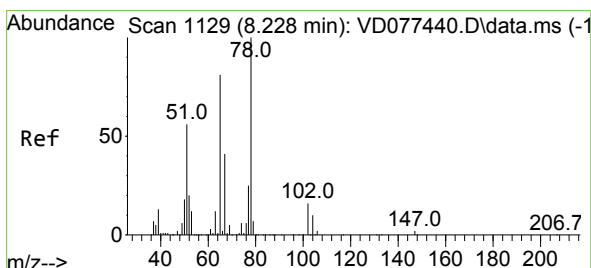
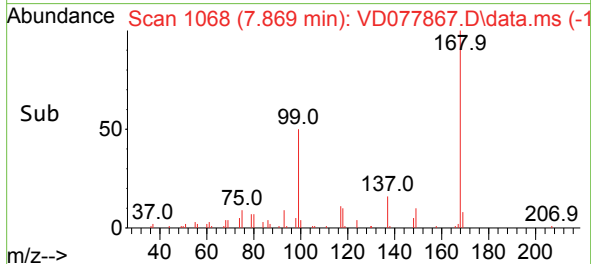
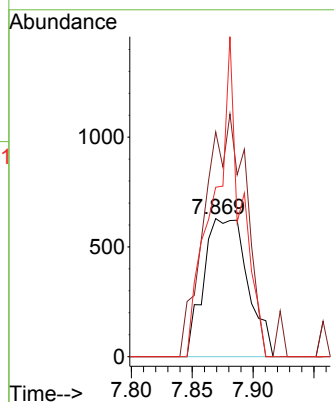
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 56	Resp: 1580
Ion Ratio	Lower Upper
56	100
69	162.8 28.6 43.0#
84	122.7 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 55.592 ug/l

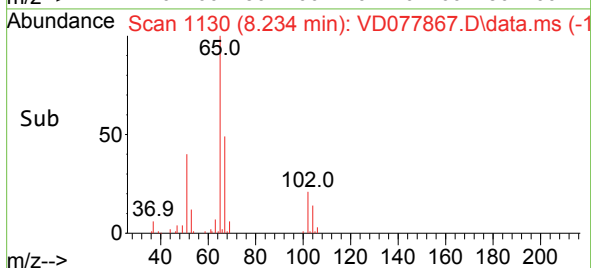
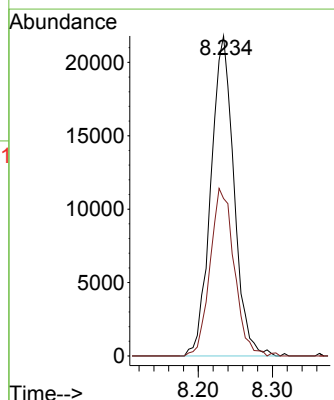
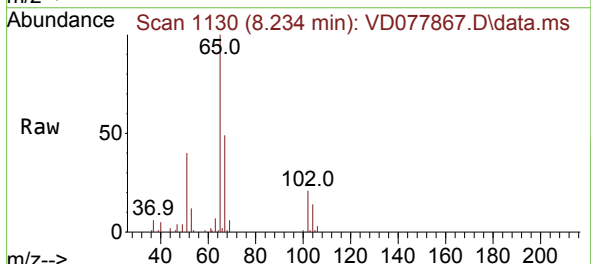
RT: 8.234 min Scan# 1130

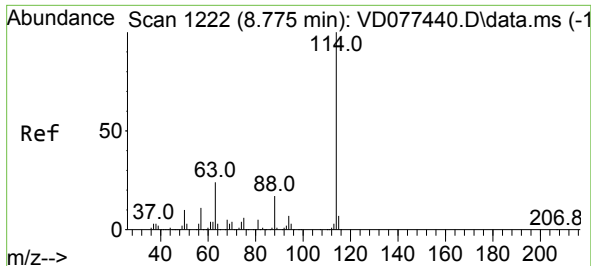
Delta R.T. 0.006 min

Lab File: VD077867.D

Acq: 13 Dec 2023 17:25

Tgt Ion: 65	Resp: 47187
Ion Ratio	Lower Upper
65	100
67	54.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077867.D

Acq: 13 Dec 2023 17:25

Instrument :

MSVOA_D

ClientSampleId :

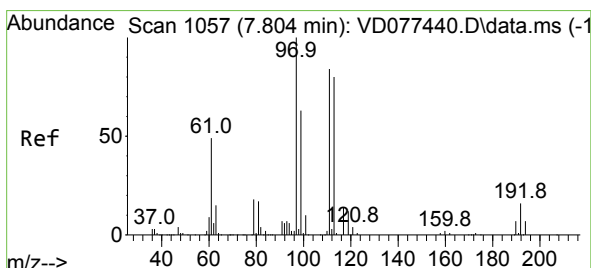
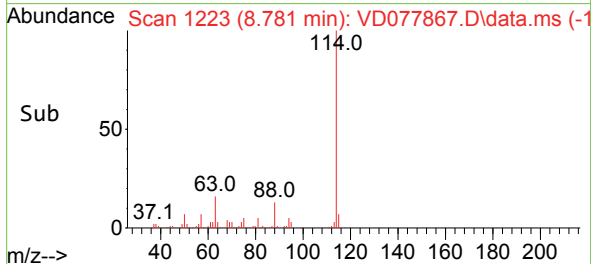
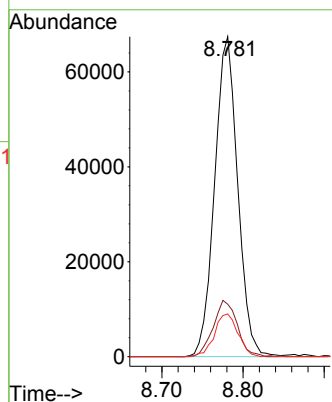
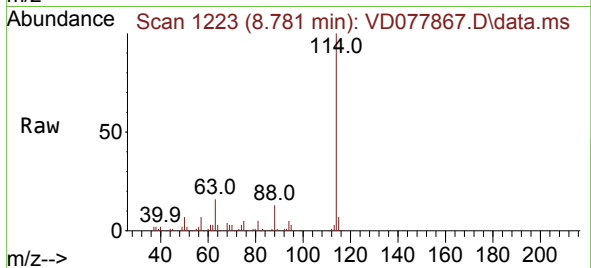
Tgt Ion:114 Resp: 133149

Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 13.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.658 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077867.D

Acq: 13 Dec 2023 17:25

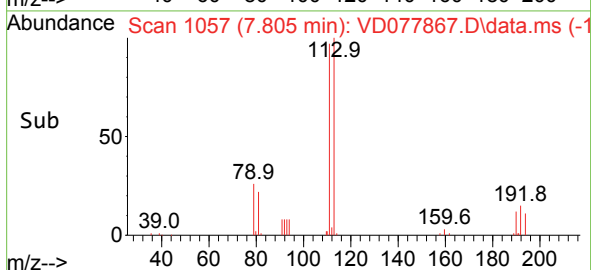
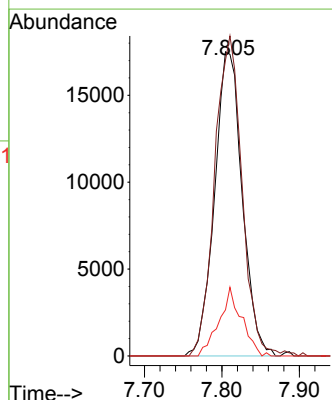
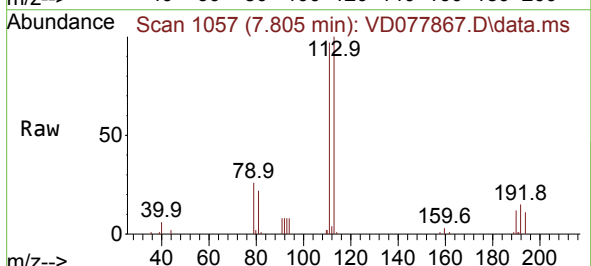
Tgt Ion:113 Resp: 43516

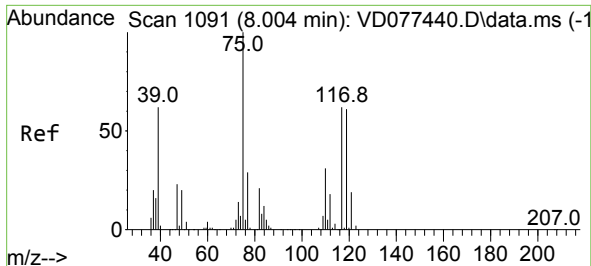
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

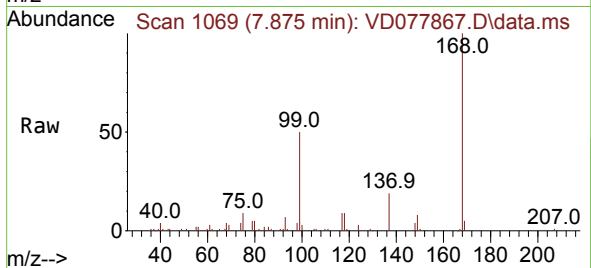
192 18.4 16.8 25.2



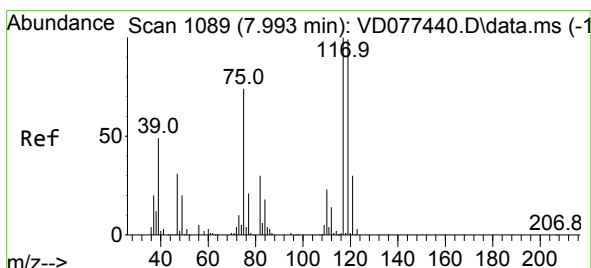
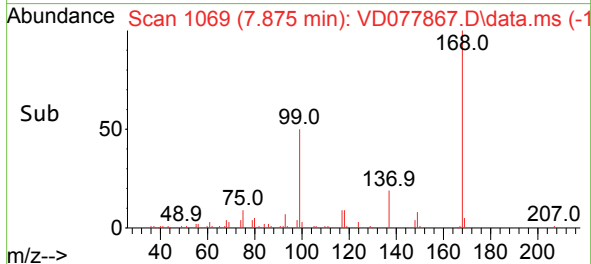
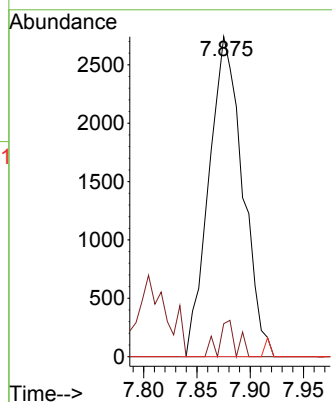


#36
1,1-Dichloropropene
Concen: 4.054 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

Instrument :
MSVOA_D
ClientSampleId :

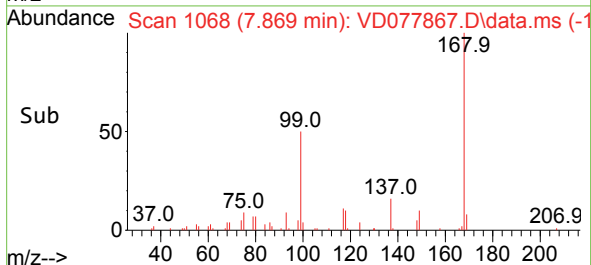
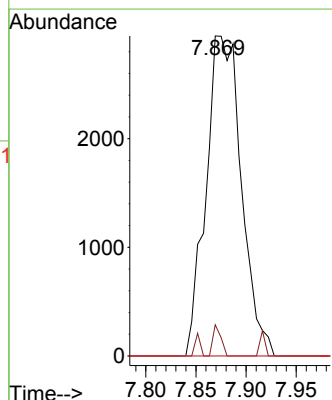
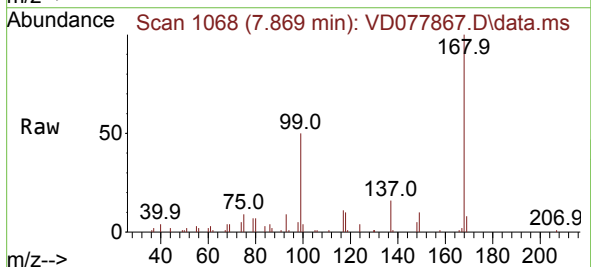


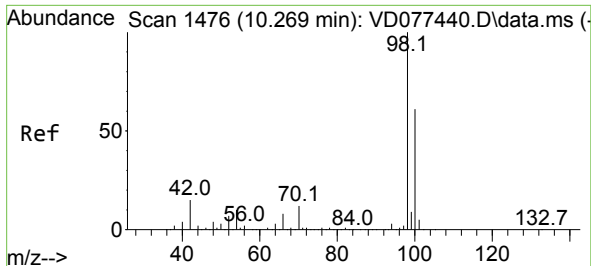
Tgt Ion: 75 Resp: 6048
Ion Ratio Lower Upper
75 100
110 5.7 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.857 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

Tgt Ion: 117 Resp: 7224
Ion Ratio Lower Upper
117 100
119 9.8 78.0 117.0#
121 0.0 24.2 36.2#

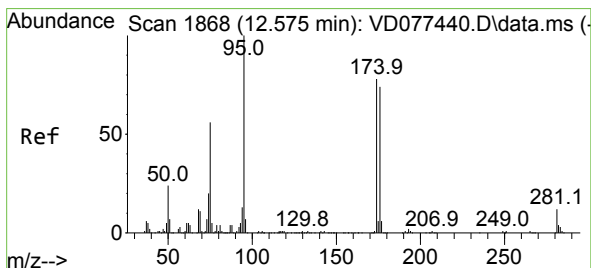
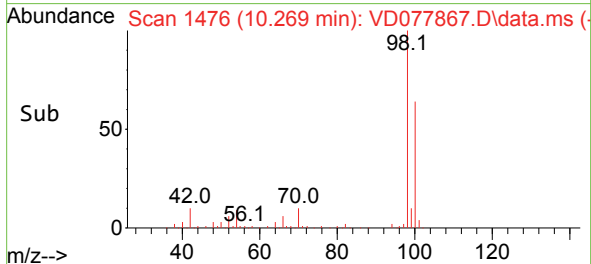
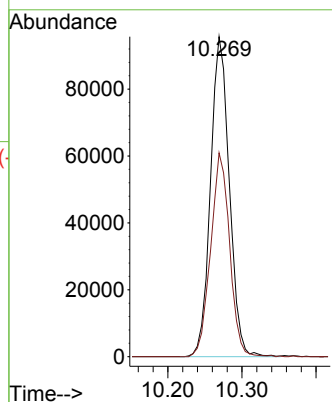
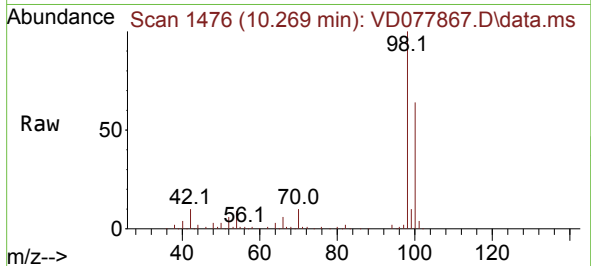




#50
Toluene-d8
Concen: 45.062 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

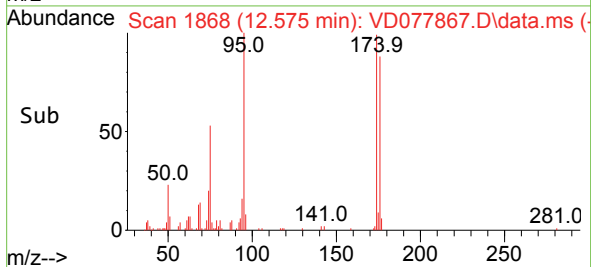
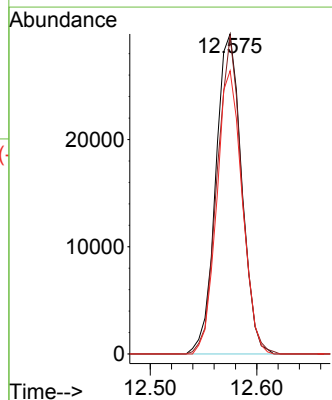
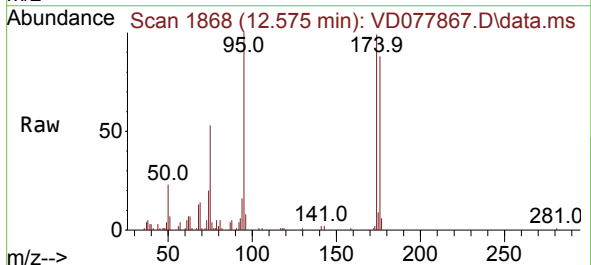
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MSVOA_D
ClientSampleId :

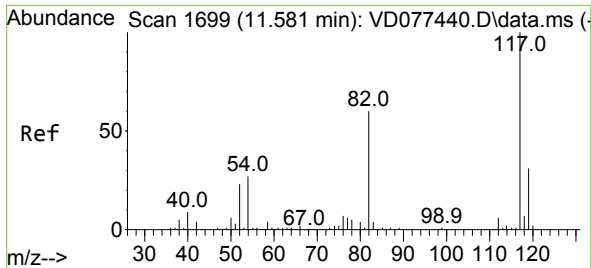
Tgt Ion: 98 Resp: 168327
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.069 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

Tgt Ion: 95 Resp: 50333
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 87.0 0.0 191.8

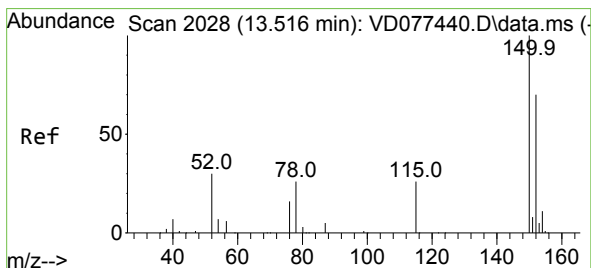
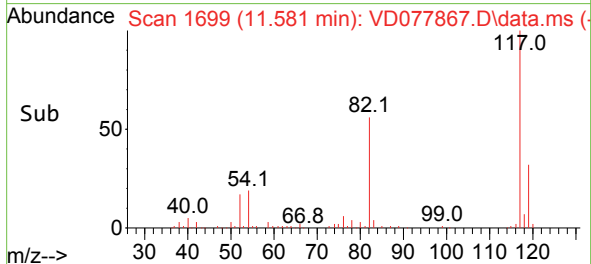
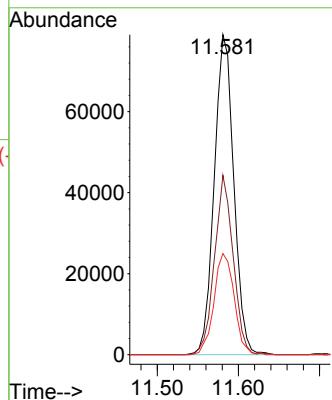
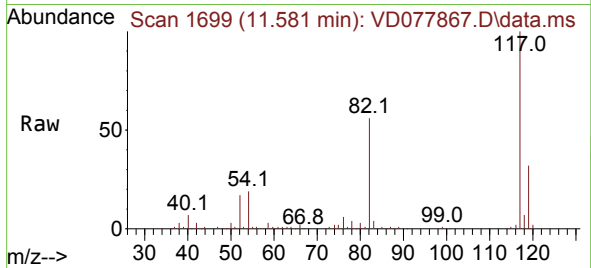




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

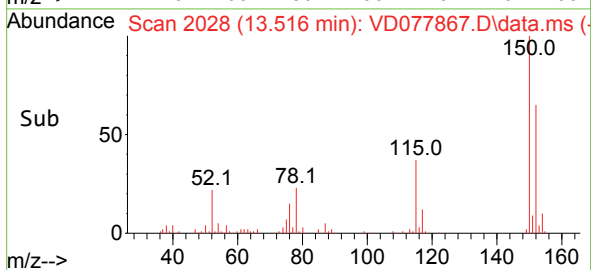
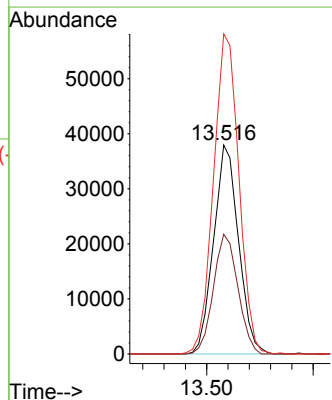
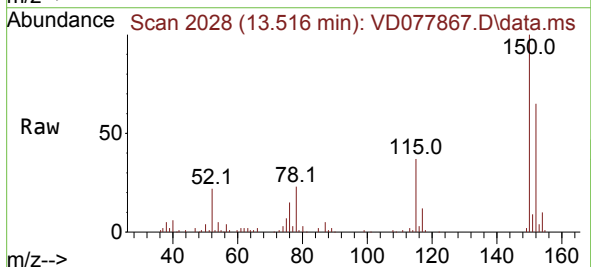
Instrument :
MSVOA_D
ClientSampleId :

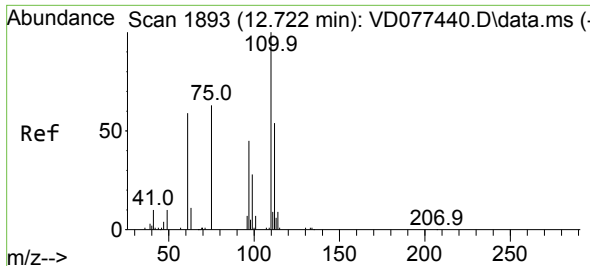
Tgt Ion:117 Resp: 132228
Ion Ratio Lower Upper
117 100
82 56.1 38.3 57.5
119 31.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

Tgt Ion:152 Resp: 61544
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 156.2 0.0 353.6

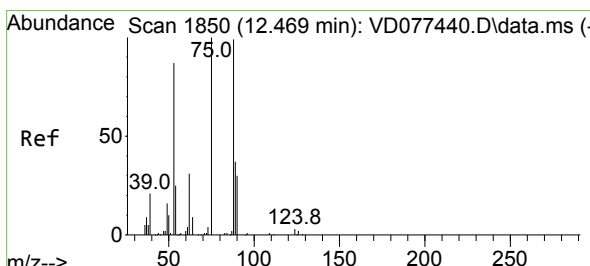
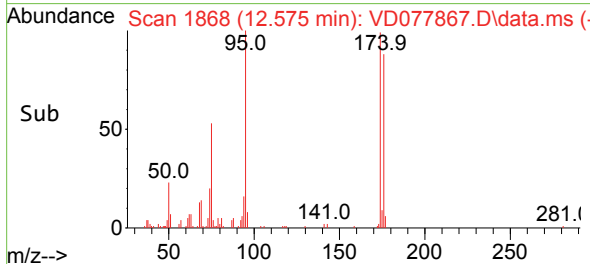
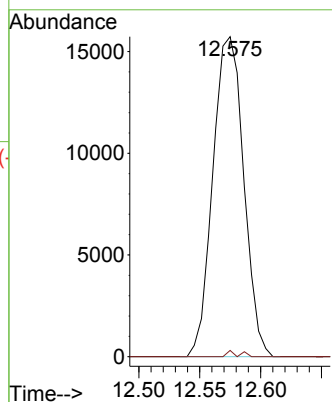
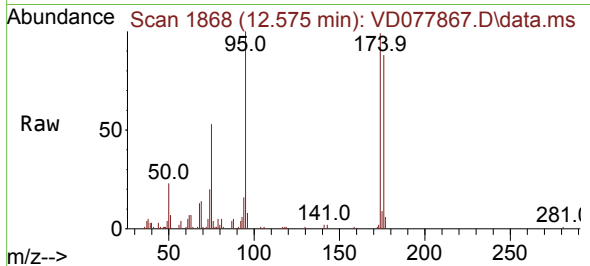




#76
1,2,3-Trichloropropane
Concen: 51.875 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

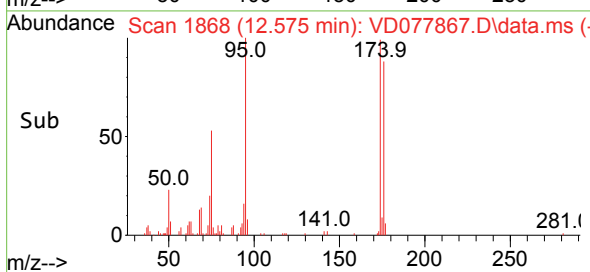
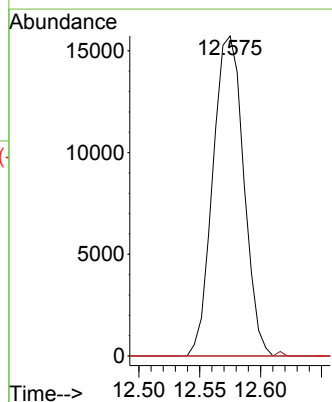
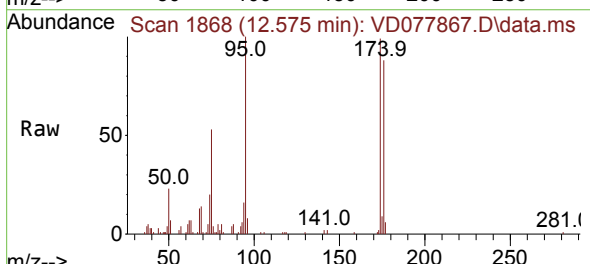
Instrument :
MSVOA_D
ClientSampleId :

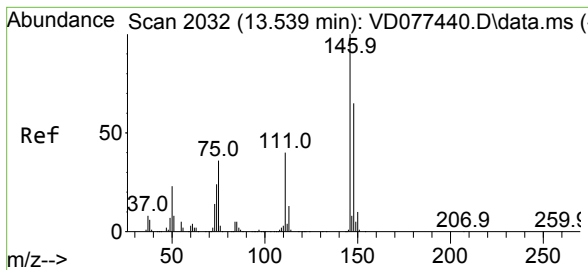
Tgt Ion: 75 Resp: 27728
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.103 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077867.D
Acq: 13 Dec 2023 17:25

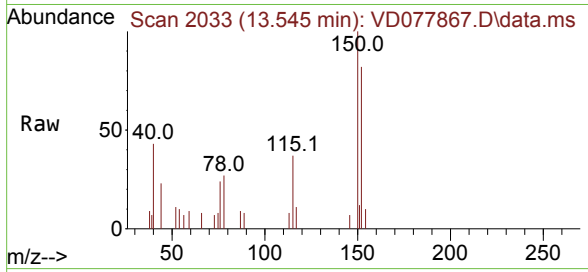
Tgt Ion: 75 Resp: 27728
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.545 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: VD077867.D
 Acq: 13 Dec 2023 17:25

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	59
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

