

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074287.D
 Acq On : 14 Sep 2022 16:19
 Operator : VA/SY
 Sample : N4579-15
 Misc : 2.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 04:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

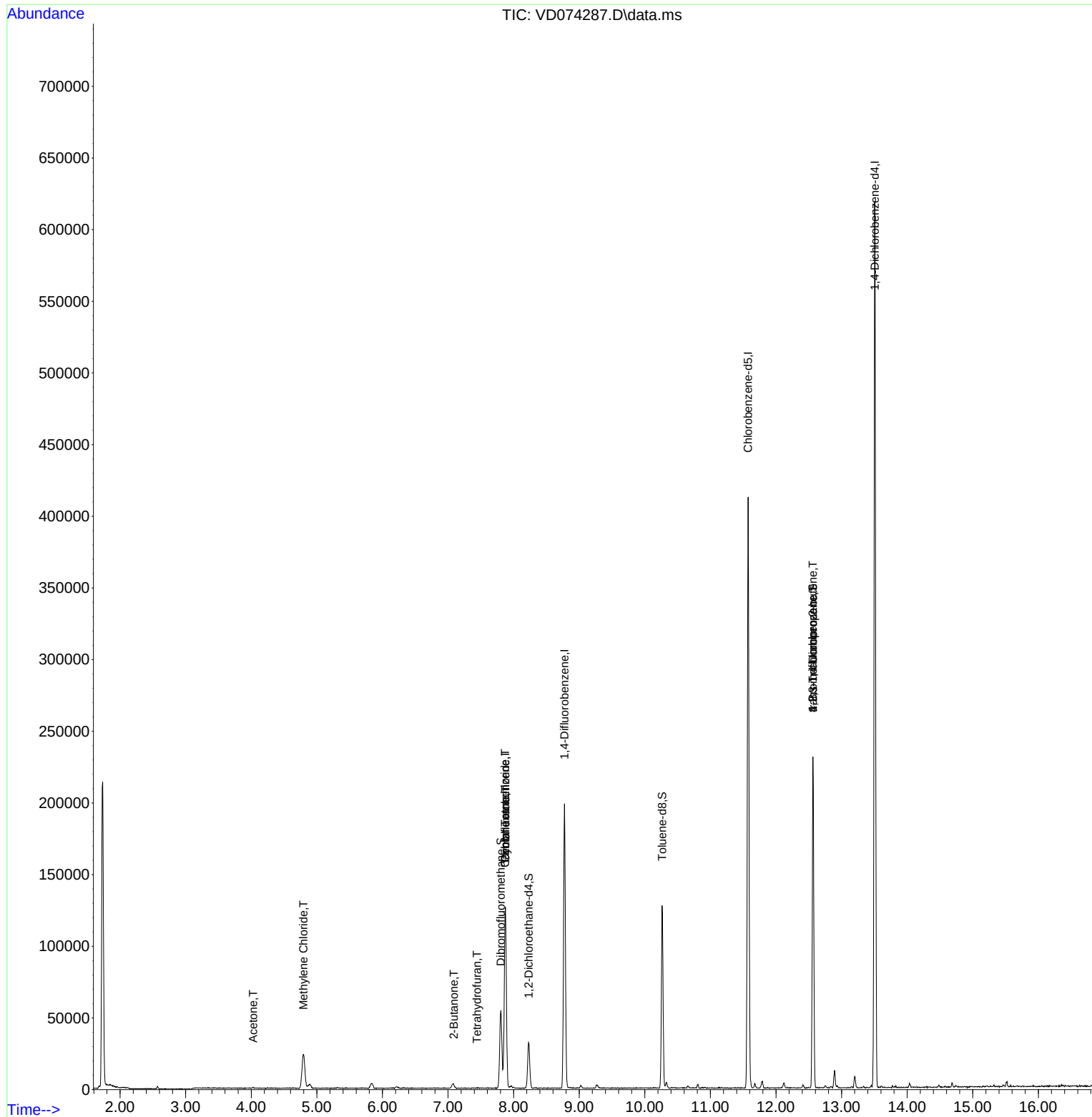
Internal Standards						
1) Pentafluorobenzene	7.875	168	98671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	172201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	237156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	166626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	24771	24.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	49.240%#
35) Dibromofluoromethane	7.805	113	40355	33.961	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	67.920%
50) Toluene-d8	10.263	98	88311	20.921	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	41.840%#
62) 4-Bromofluorobenzene	12.563	95	68329	45.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.520%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	572	2.755	ug/l #	42
20) Methylene Chloride	4.793	84	18823	10.031	ug/l	93
25) 2-Butanone	7.087	43	721	2.082	ug/l #	48
29) Tetrahydrofuran	7.440	42	432	2.023	ug/l #	32
31) Cyclohexane	7.875	56	2785	1.340	ug/l #	36
38) Carbon Tetrachloride	7.869	117	9535	5.654	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.863	63	56	Below Cal	#	47
76) 1,2,3-Trichloropropane	12.563	75	36263	21.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	36263	52.342	ug/l #	100

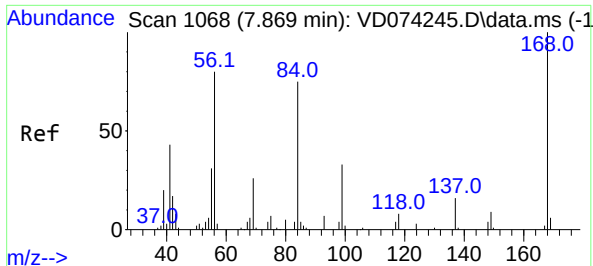
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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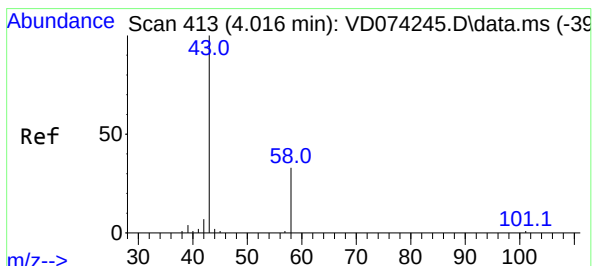
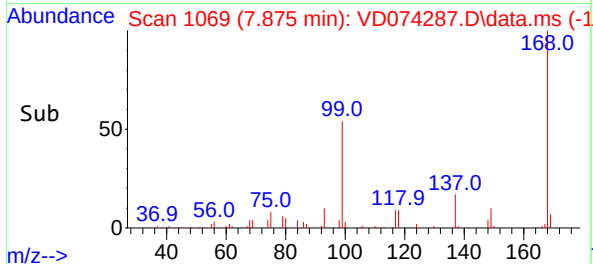
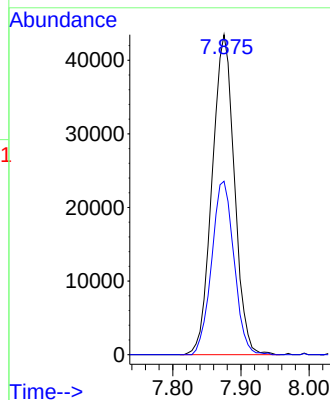
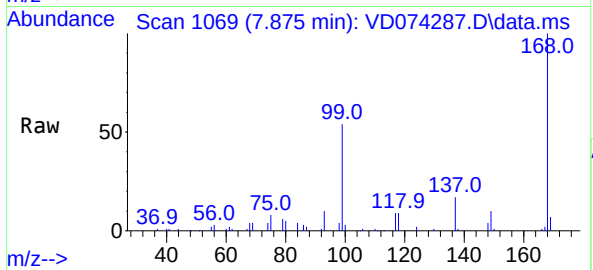




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

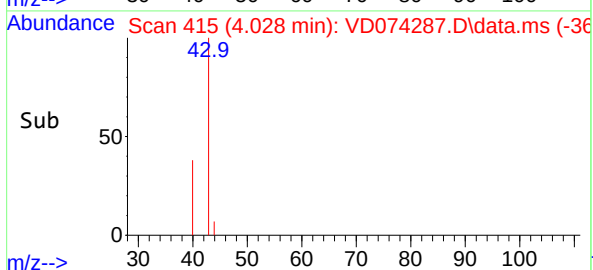
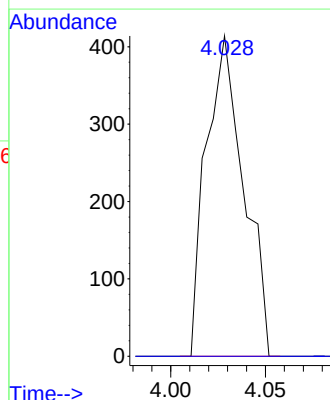
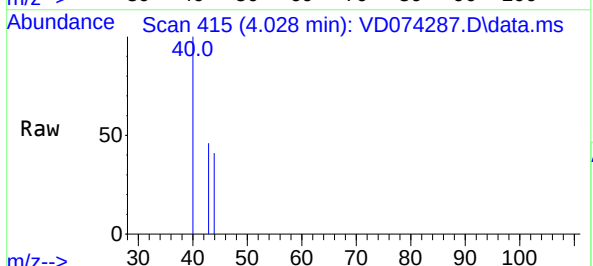
Instrument :
MSVOA_D
ClientSampleId :

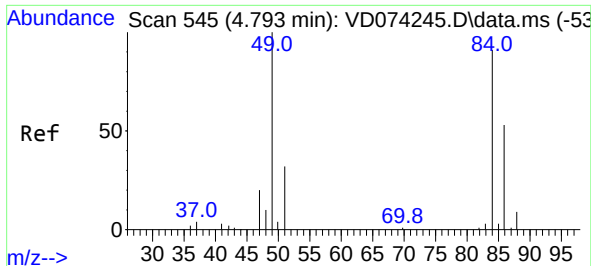
Tgt Ion:168 Resp: 98671
Ion Ratio Lower Upper
168 100
99 54.2 43.0 64.6



#16
Acetone
Concen: 2.755 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

Tgt Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#





#20

Methylene Chloride

Concen: 10.031 ug/l

RT: 4.793 min Scan# 545

Delta R.T. 0.000 min

Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 84 Resp: 18823

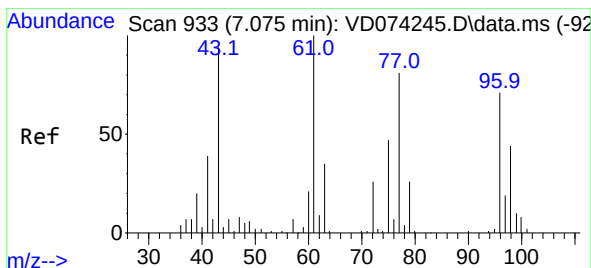
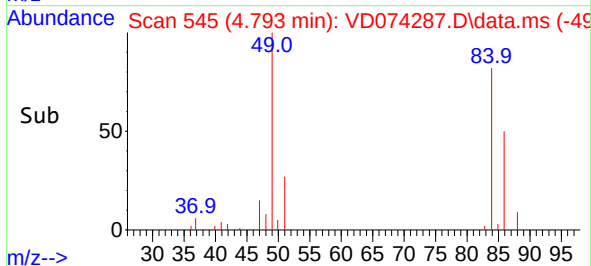
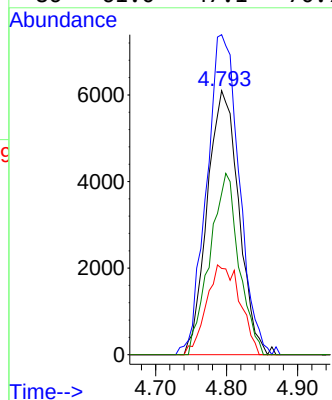
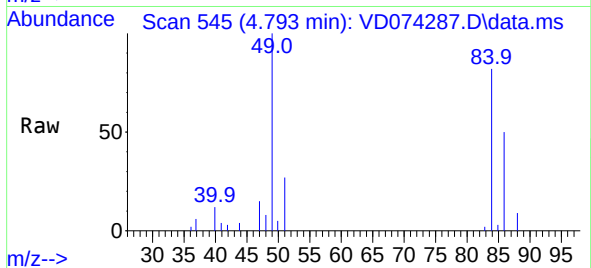
Ion Ratio Lower Upper

84 100

49 121.2 88.4 132.6

51 32.7 28.0 42.0

86 61.0 47.1 70.7



#25

2-Butanone

Concen: 2.082 ug/l

RT: 7.087 min Scan# 935

Delta R.T. 0.012 min

Lab File: VD074287.D

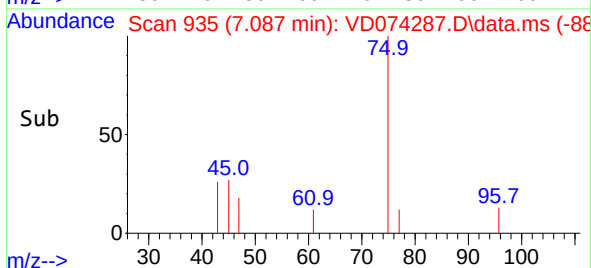
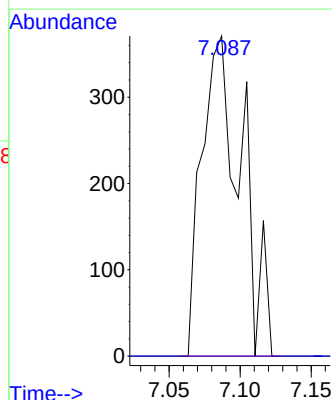
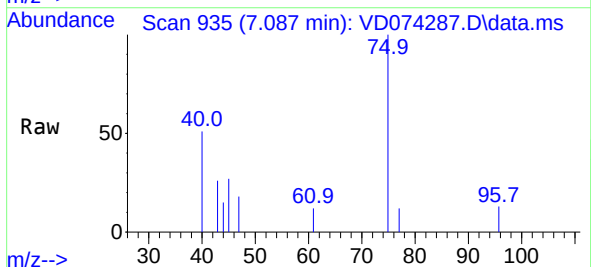
Acq: 14 Sep 2022 16:19

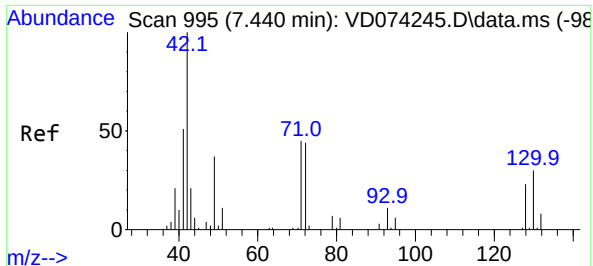
Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#





#29

Tetrahydrofuran

Concen: 2.023 ug/l

RT: 7.440 min Scan# 995

Delta R.T. 0.000 min

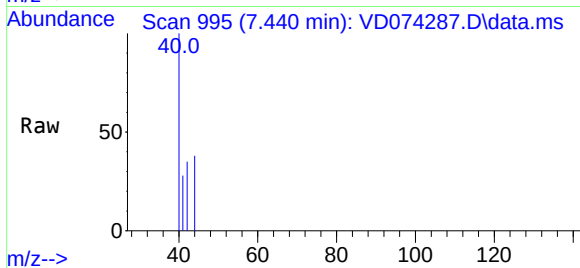
Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

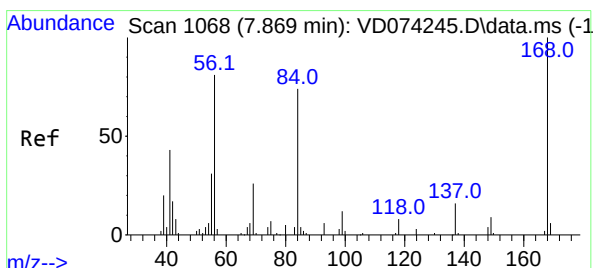
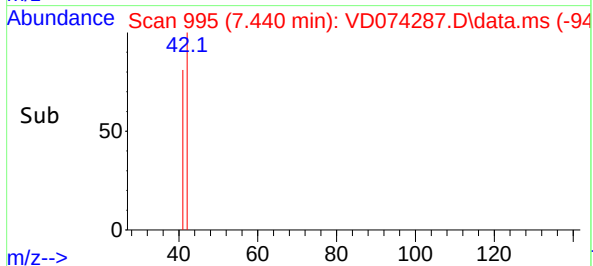
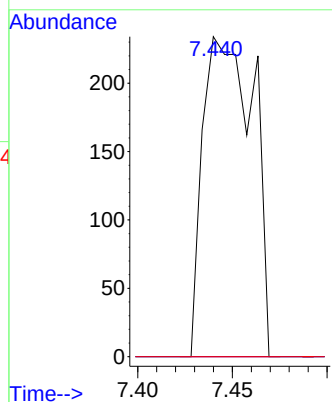
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	432
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.1	54.1#
71	0.0	34.1	51.1#



#31

Cyclohexane

Concen: 1.340 ug/l

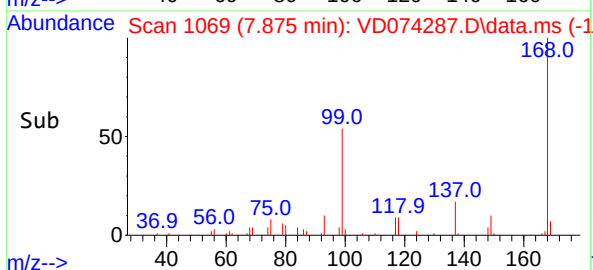
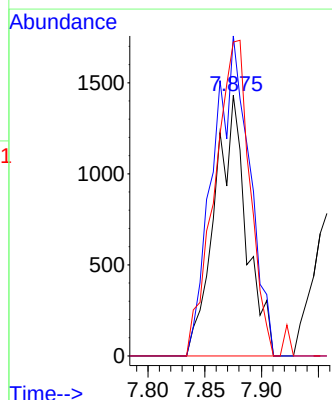
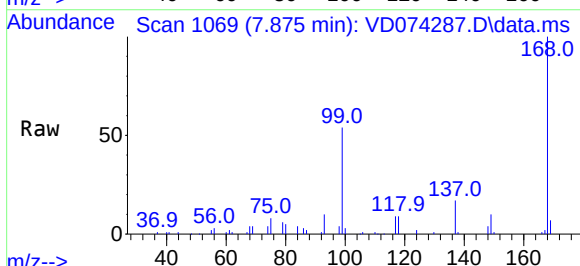
RT: 7.875 min Scan# 1069

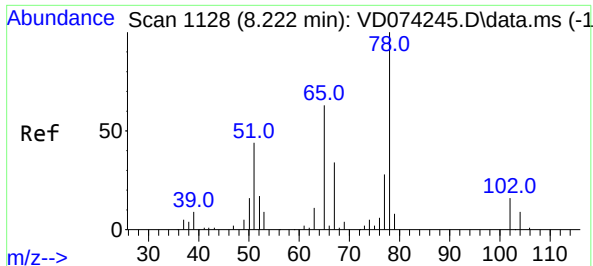
Delta R.T. 0.006 min

Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

Tgt Ion:	56	Resp:	2785
Ion	Ratio	Lower	Upper
56	100		
69	122.8	25.7	38.5#
84	120.5	73.9	110.9#





#33

1,2-Dichloroethane-d4

Concen: 24.624 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

Instrument :

MSVOA_D

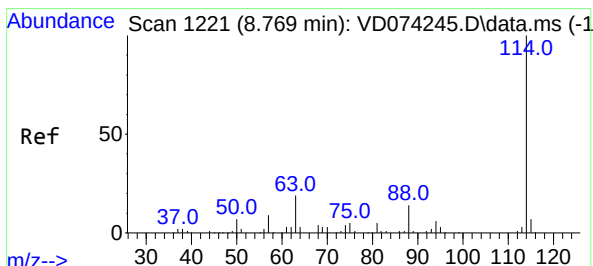
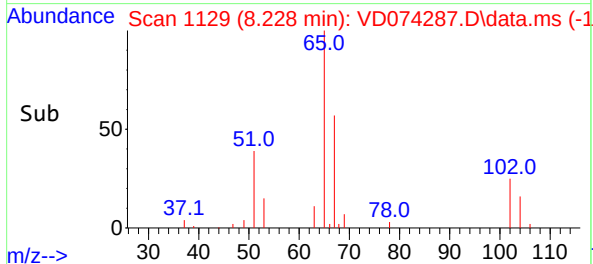
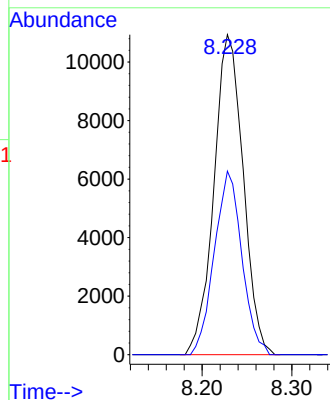
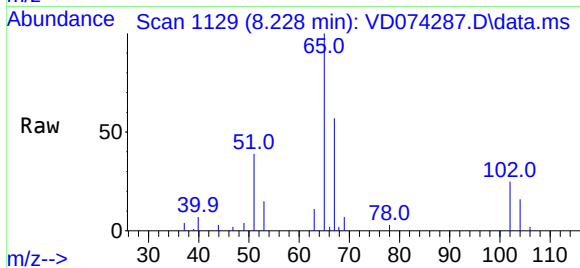
ClientSampleId :

Tgt Ion: 65 Resp: 24771

Ion Ratio Lower Upper

65 100

67 54.0 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

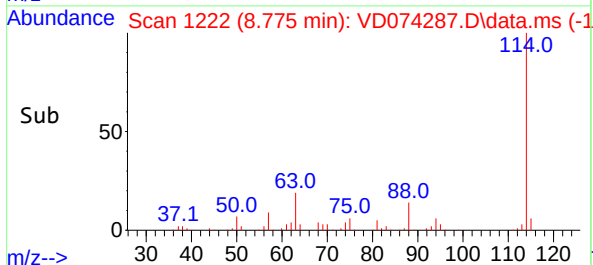
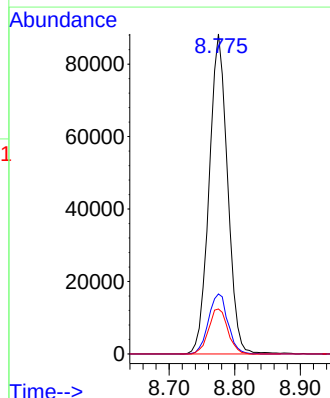
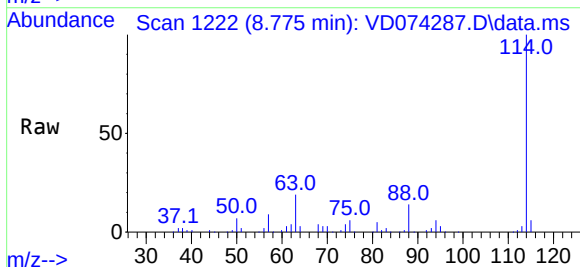
Tgt Ion: 114 Resp: 172201

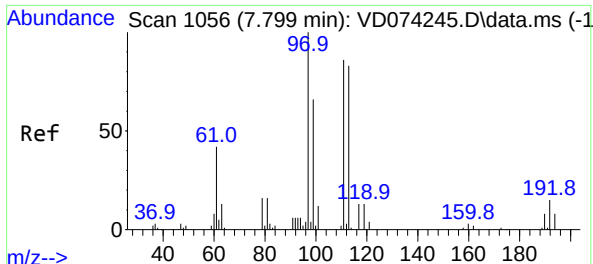
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.6

88 14.0 0.0 28.4





#35

Dibromofluoromethane

Concen: 33.961 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.006 min

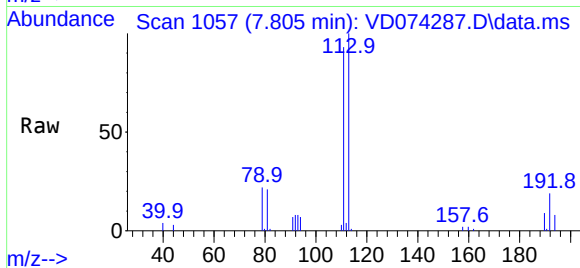
Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :



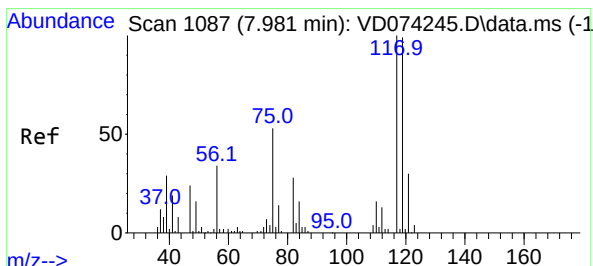
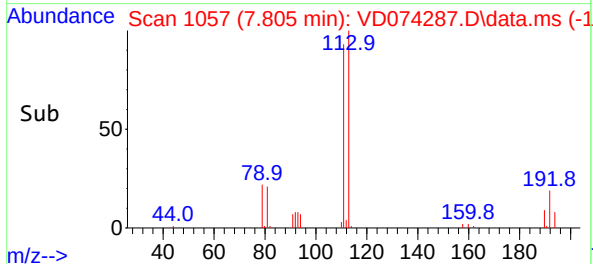
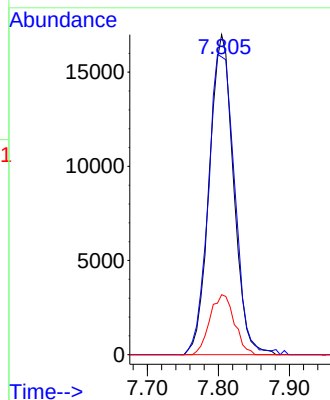
Tgt Ion:113 Resp: 40355

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

192 18.9 16.2 24.2



#38

Carbon Tetrachloride

Concen: 5.654 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.112 min

Lab File: VD074287.D

Acq: 14 Sep 2022 16:19

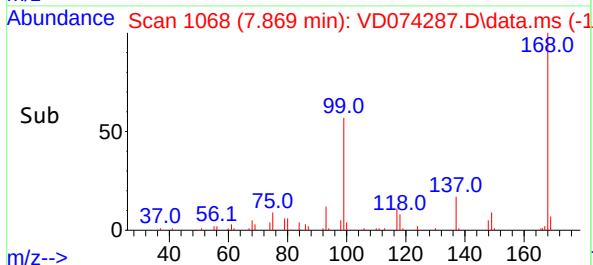
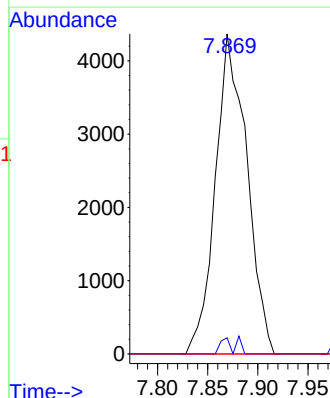
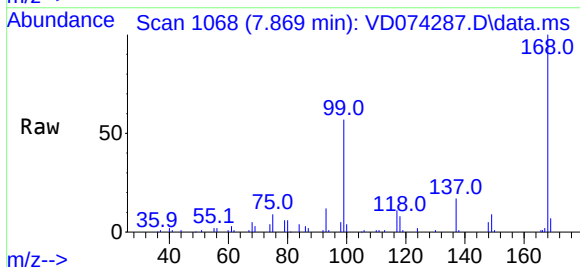
Tgt Ion:117 Resp: 9535

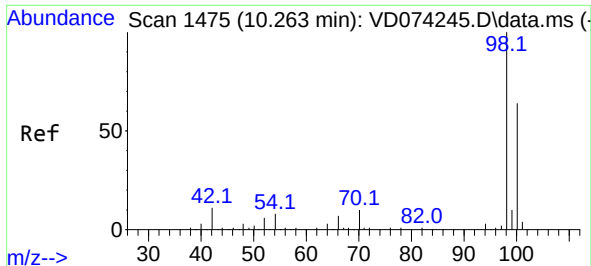
Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

121 0.0 23.9 35.9#

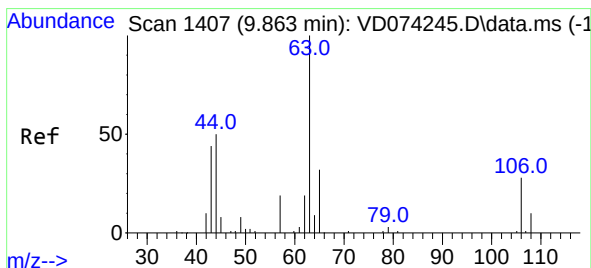
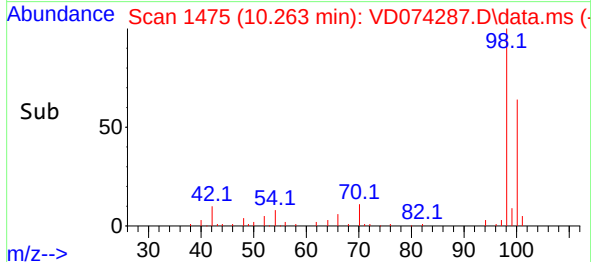
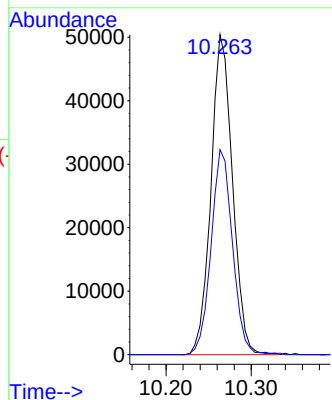
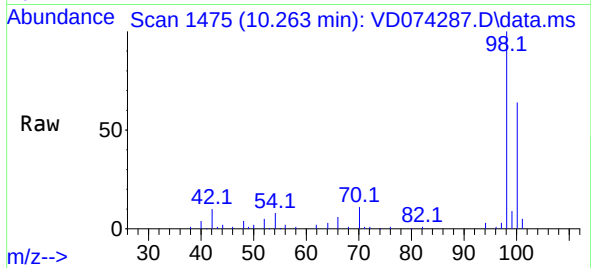




#50
Toluene-d8
Concen: 20.921 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

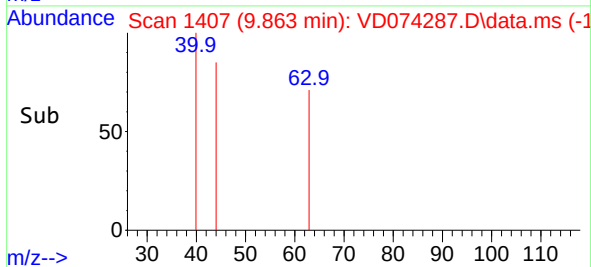
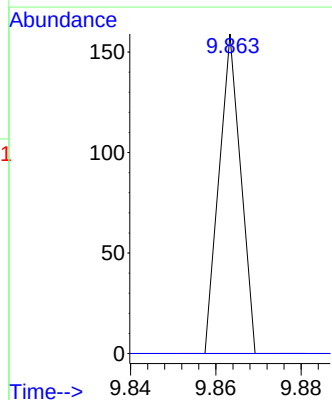
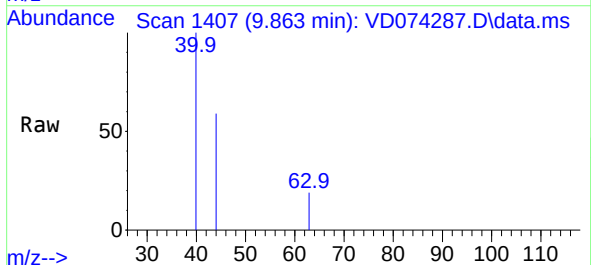
Instrument :
MSVOA_D
ClientSampleId :

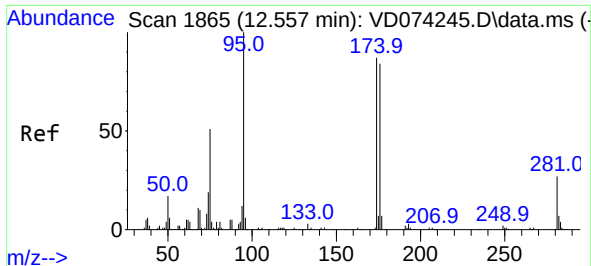
Tgt Ion: 98 Resp: 88311
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.863 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

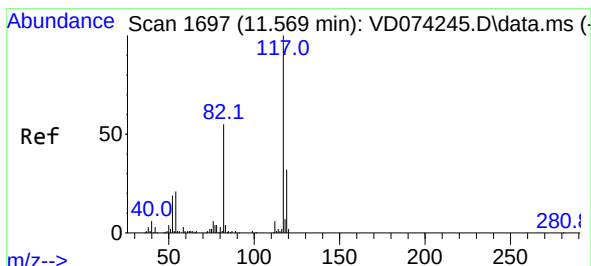
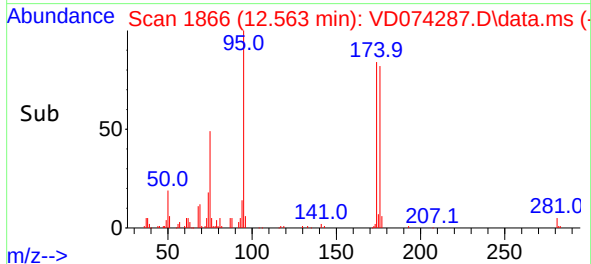
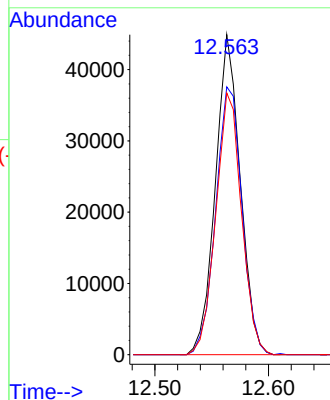
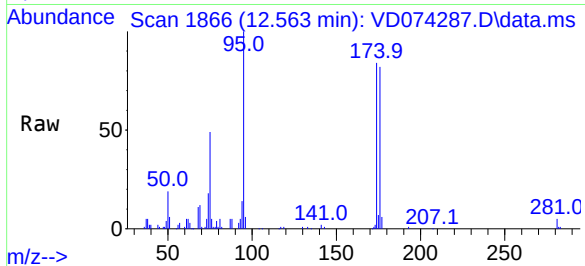




#62
4-Bromofluorobenzene
Concen: 45.762 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

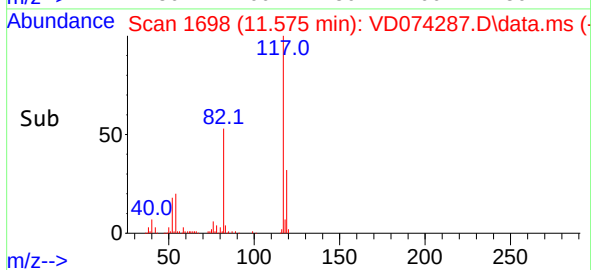
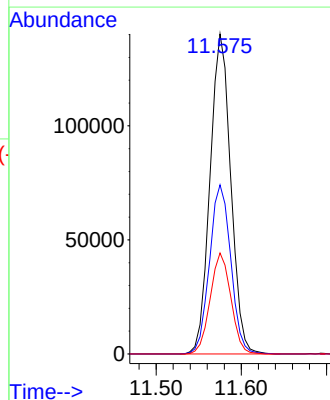
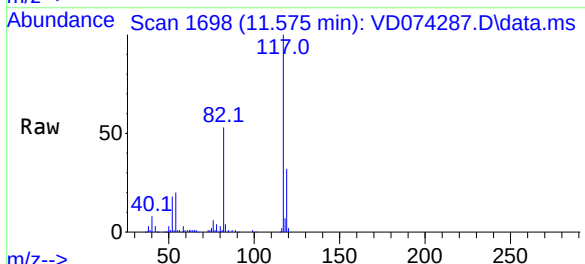
Instrument :
MSVOA_D
ClientSampleId :

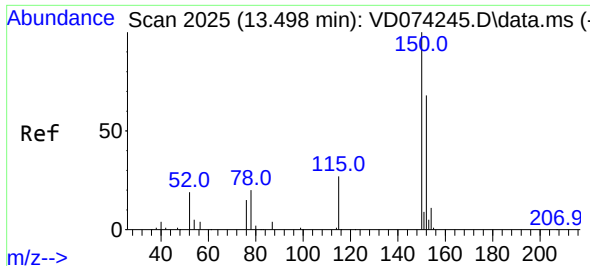
Tgt Ion: 95 Resp: 68329
Ion Ratio Lower Upper
95 100
174 88.4 0.0 179.2
176 84.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

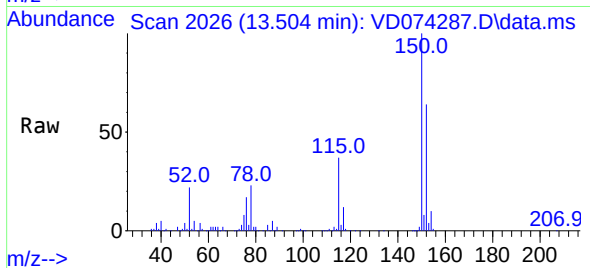
Tgt Ion: 117 Resp: 237156
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 31.6 25.4 38.0



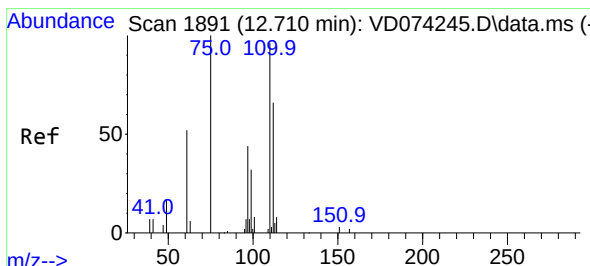
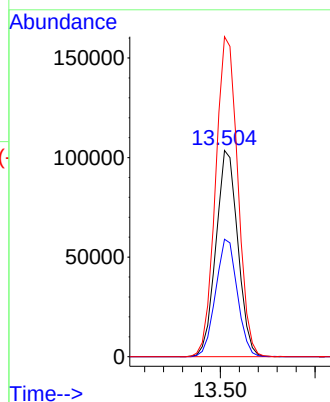
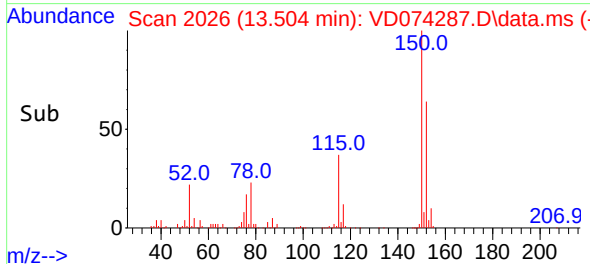


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.504 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

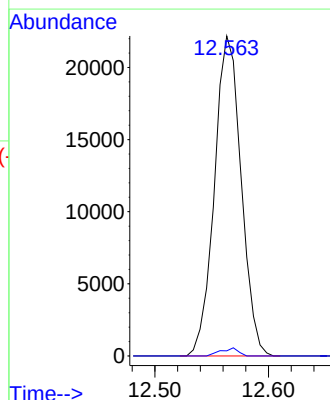
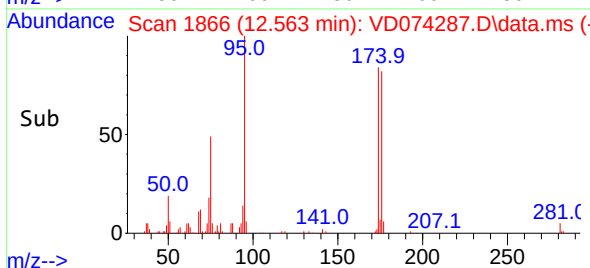
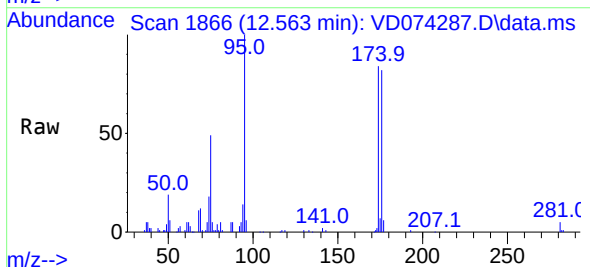


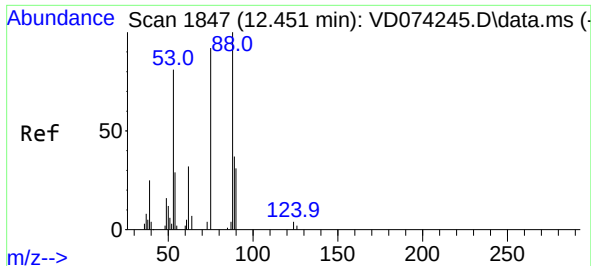
Tgt Ion:152 Resp: 166626
Ion Ratio Lower Upper
152 100
115 56.4 28.4 85.2
150 157.0 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 21.229 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.147 min
Lab File: VD074287.D
Acq: 14 Sep 2022 16:19

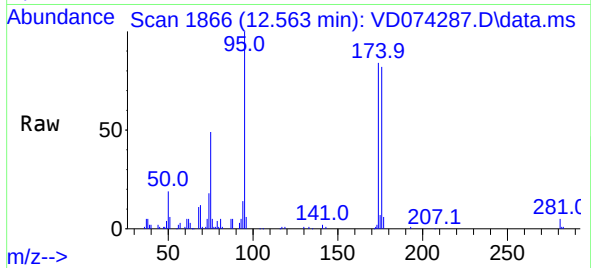
Tgt Ion: 75 Resp: 36263
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.342 ug/l
 RT: 12.563 min Scan# 1866
 Delta R.T. 0.112 min
 Lab File: VD074287.D
 Acq: 14 Sep 2022 16:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	36263
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

