

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074433.D
 Acq On : 26 Sep 2022 21:52
 Operator : VA/SY
 Sample : N4782-01
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 27 04:12:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	58112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	97865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	89424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	41355	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	27430	54.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.660%
35) Dibromofluoromethane	7.805	113	36677	56.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.180%
50) Toluene-d8	10.269	98	117088	52.610	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.220%
62) 4-Bromofluorobenzene	12.569	95	36546	46.632	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.260%

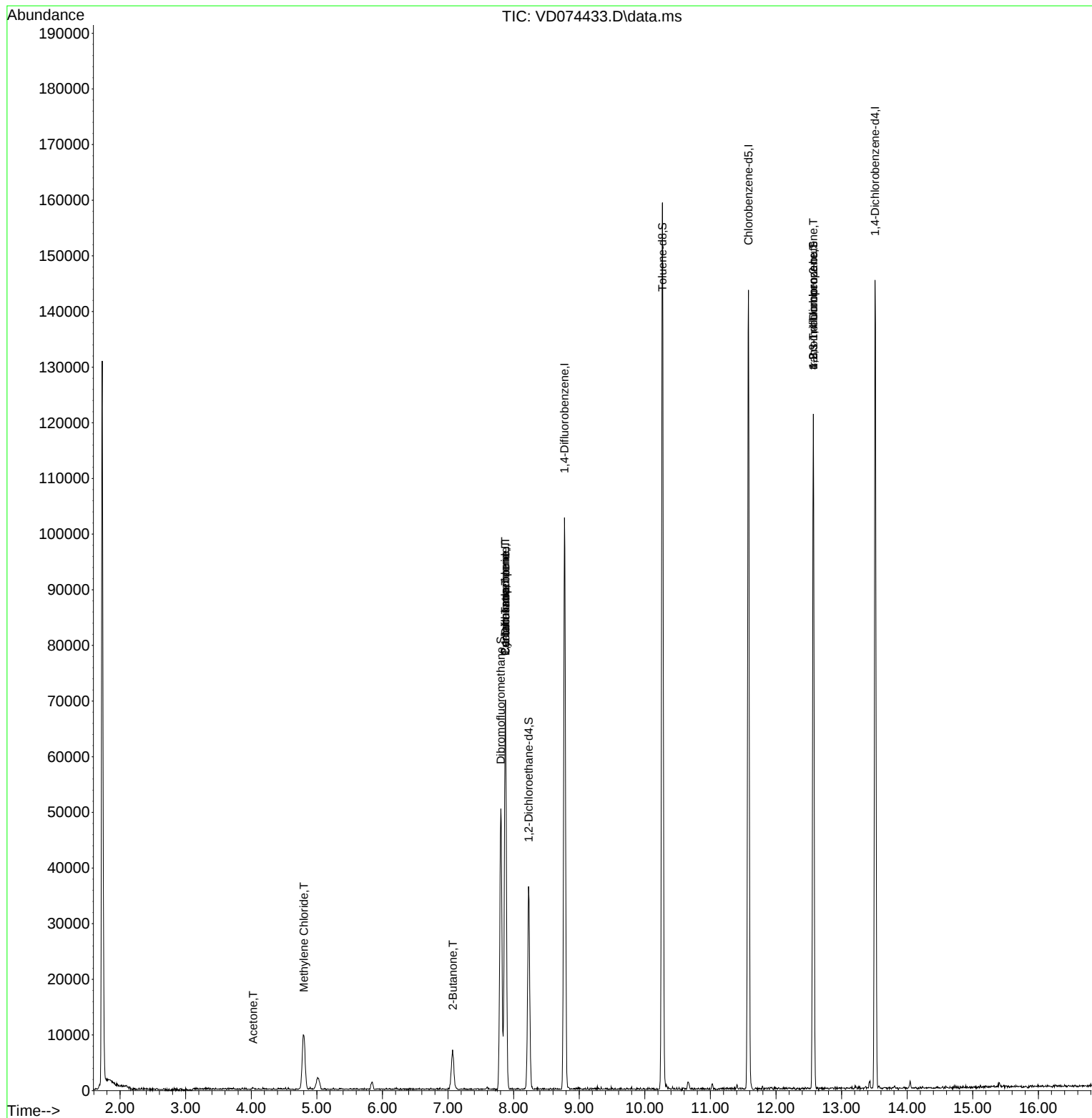
Target Compounds					Qvalue	
3) Chloromethane	2.140	50	222	Below Cal	#	37
11) Tert butyl alcohol	5.017	59	2162	Below Cal	#	84
16) Acetone	4.028	43	341	3.513	ug/l #	37
20) Methylene Chloride	4.805	84	9241	6.456	ug/l	93
25) 2-Butanone	7.075	43	133	1.000	ug/l #	42
31) Cyclohexane	7.875	56	887	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	3830	4.310	ug/l #	43
38) Carbon Tetrachloride	7.875	117	5475	6.438	ug/l #	20
76) 1,2,3-Trichloropropane	12.569	75	18272	56.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	18272	137.848	ug/l #	17

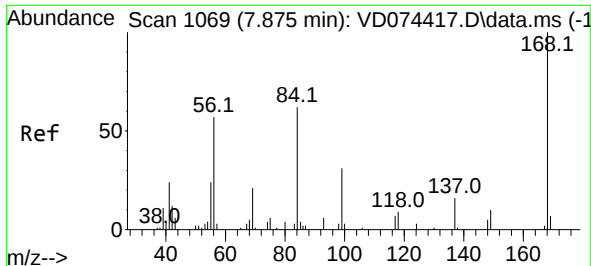
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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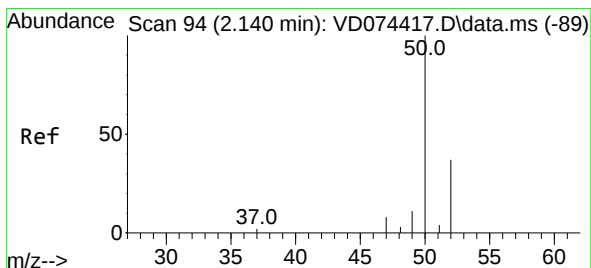
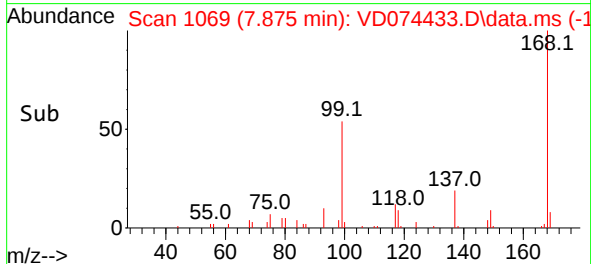
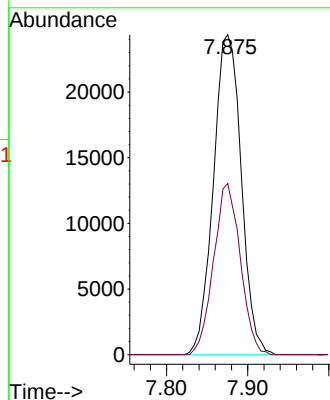
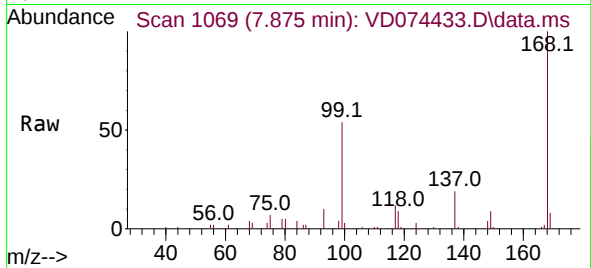




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

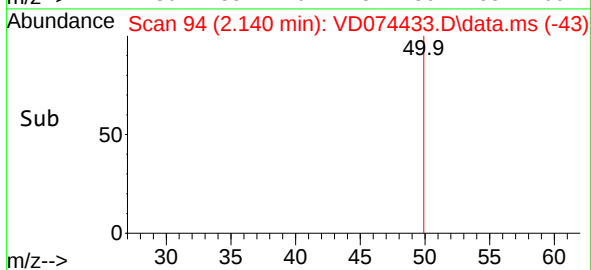
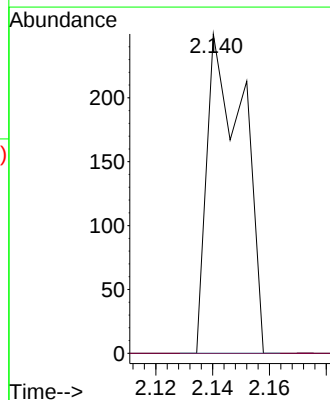
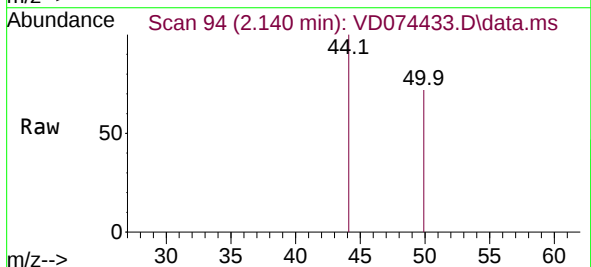
Instrument :
MSVOA_D
ClientSampleId :

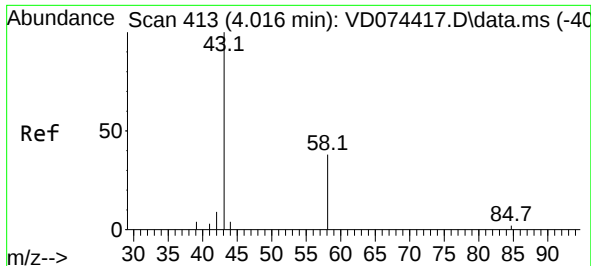
Tgt Ion:168 Resp: 58112
Ion Ratio Lower Upper
168 100
99 53.5 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. 0.000 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

Tgt Ion: 50 Resp: 222
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

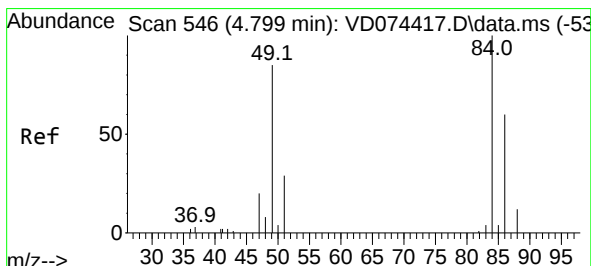
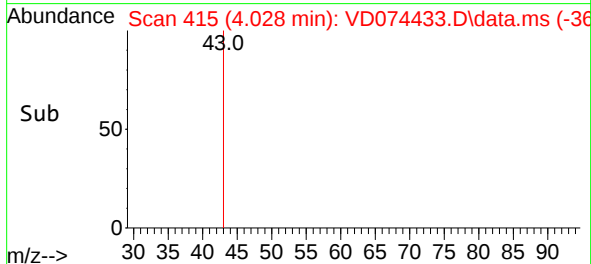
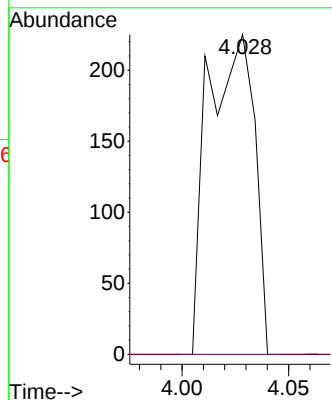
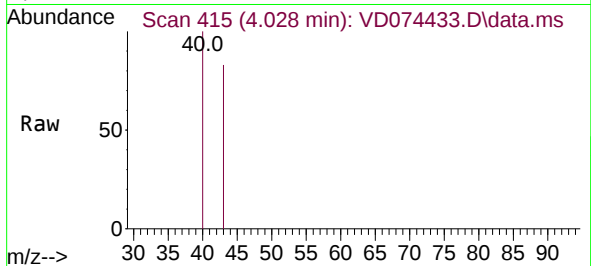




#16
Acetone
Concen: 3.513 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

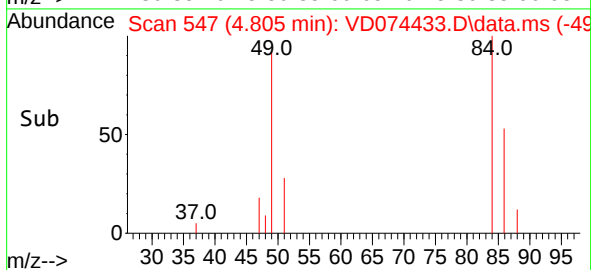
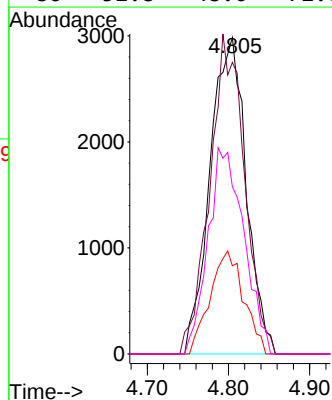
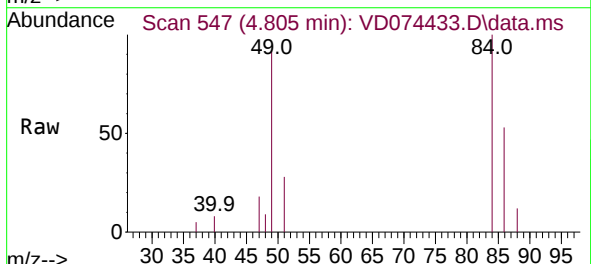
Instrument :
MSVOA_D
ClientSampleId :

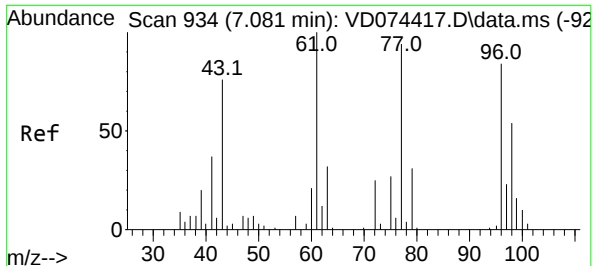
Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 6.456 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

Tgt Ion: 84 Resp: 9241
Ion Ratio Lower Upper
84 100
49 92.1 68.0 102.0
51 27.8 23.2 34.8
86 52.8 48.0 72.0





#25

2-Butanone

Concen: 1.000 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

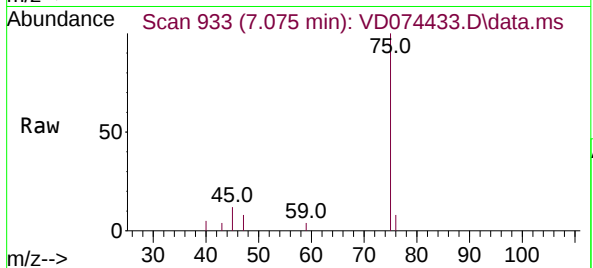
Lab File: VD074433.D

Acq: 26 Sep 2022 21:52

Instrument :

MSVOA_D

ClientSampleId :

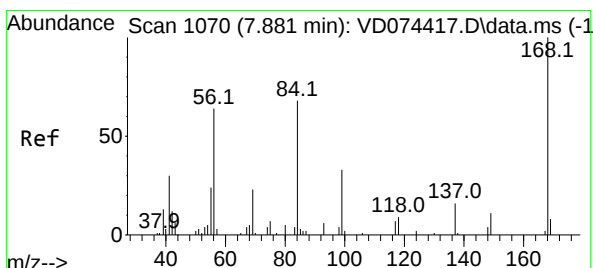
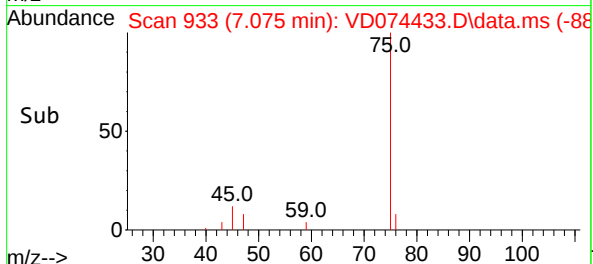
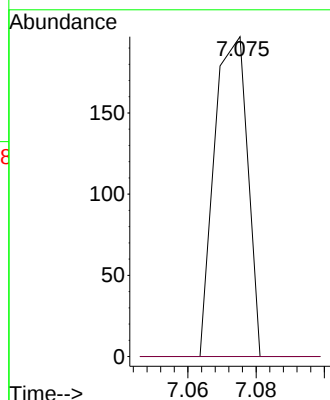


Tgt Ion: 43 Resp: 133

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD074433.D

Acq: 26 Sep 2022 21:52

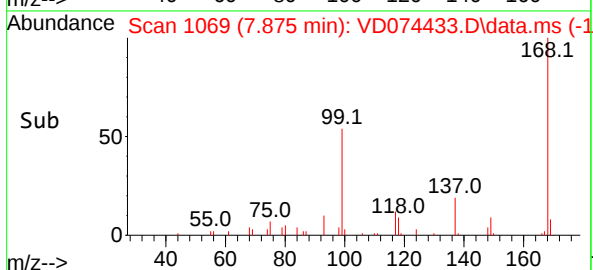
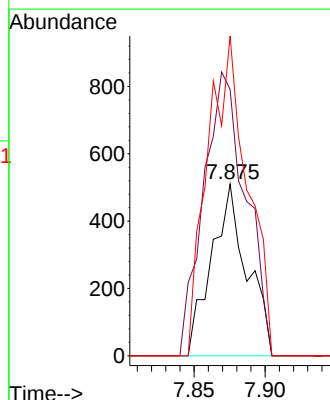
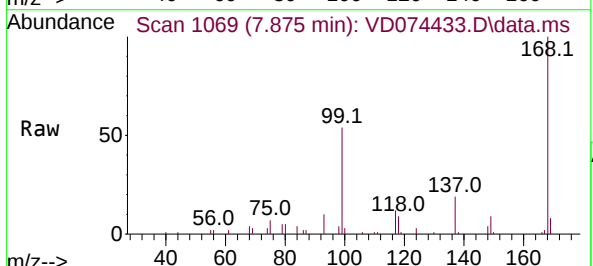
Tgt Ion: 56 Resp: 887

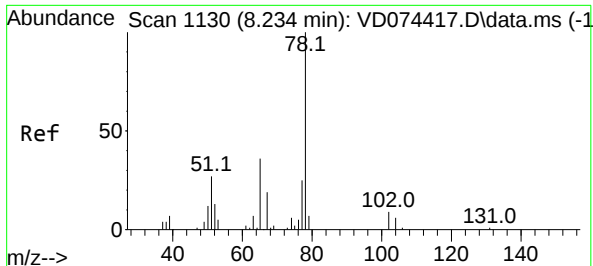
Ion Ratio Lower Upper

56 100

69 155.1 29.2 43.8#

84 186.3 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 54.826 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074433.D

Acq: 26 Sep 2022 21:52

Instrument :

MSVOA_D

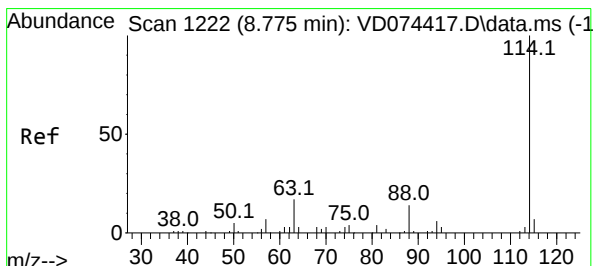
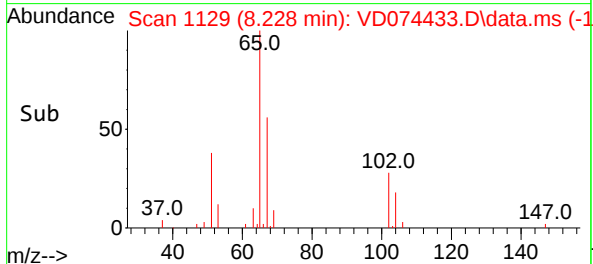
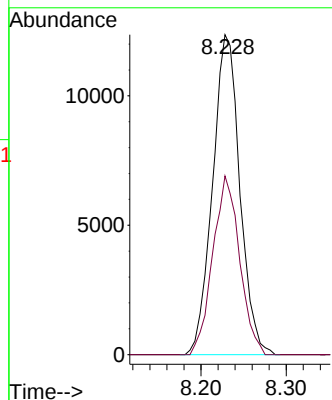
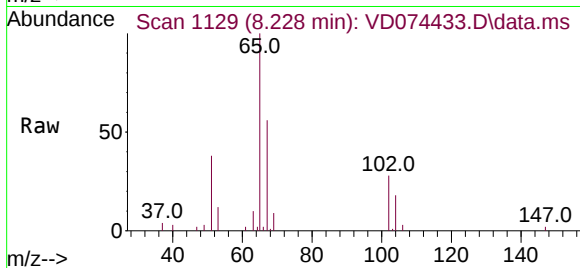
ClientSampleId :

Tgt Ion: 65 Resp: 27430

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074433.D

Acq: 26 Sep 2022 21:52

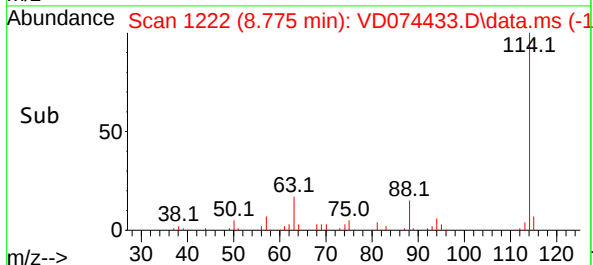
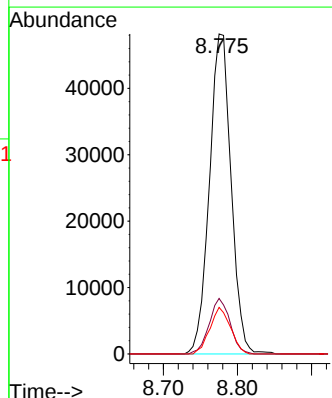
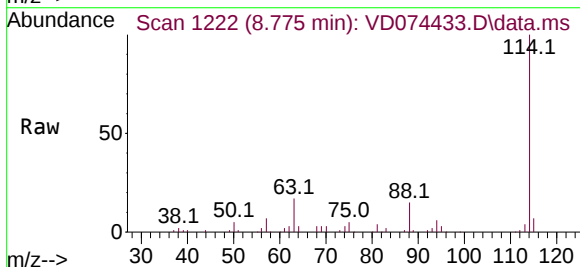
Tgt Ion: 114 Resp: 97865

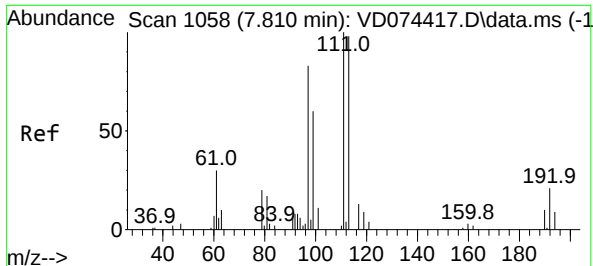
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.2

88 14.5 0.0 28.2





#35

Dibromofluoromethane

Concen: 56.089 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD074433.D

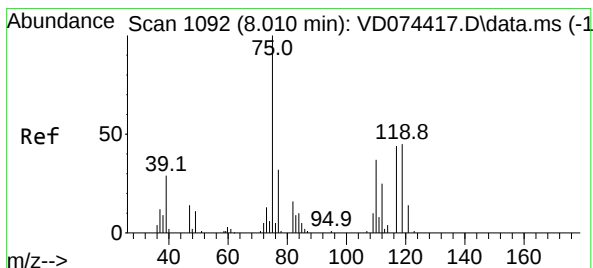
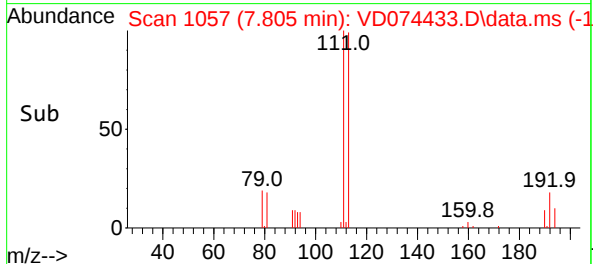
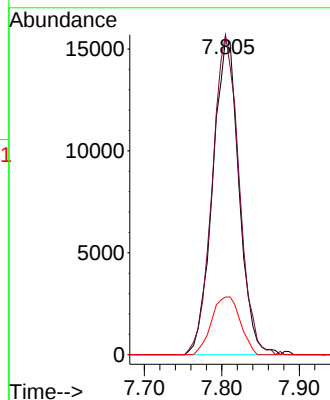
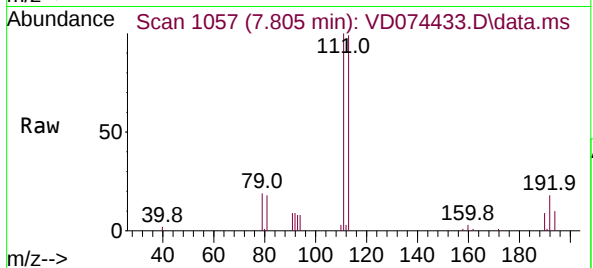
Acq: 26 Sep 2022 21:52

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:113	Resp:	36677
Ion	Ratio	Lower Upper
113	100	
111	102.6	82.3 123.5
192	19.8	16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.310 ug/l

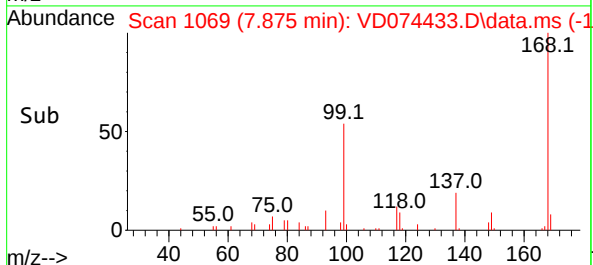
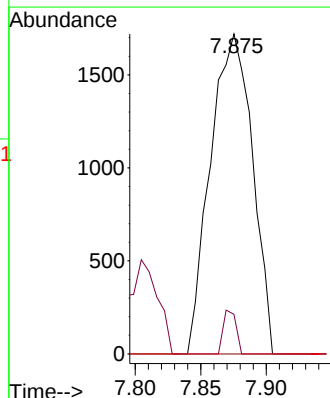
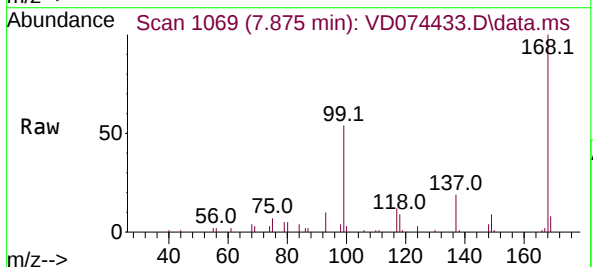
RT: 7.875 min Scan# 1069

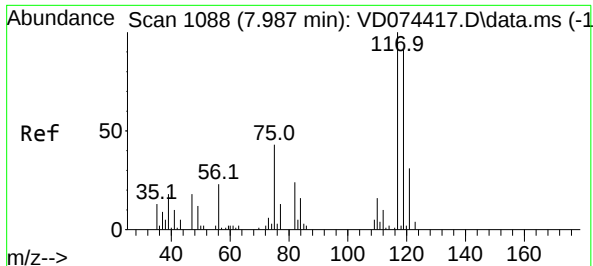
Delta R.T. -0.135 min

Lab File: VD074433.D

Acq: 26 Sep 2022 21:52

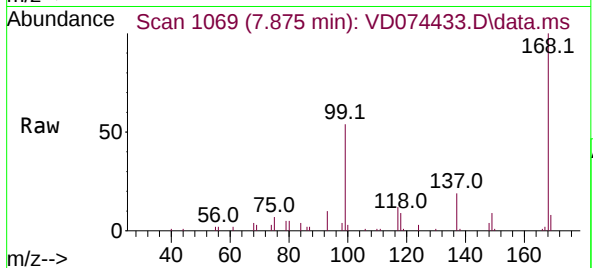
Tgt Ion: 75	Resp:	3830
Ion	Ratio	Lower Upper
75	100	
110	4.1	19.7 59.0#
77	0.0	25.4 38.2#



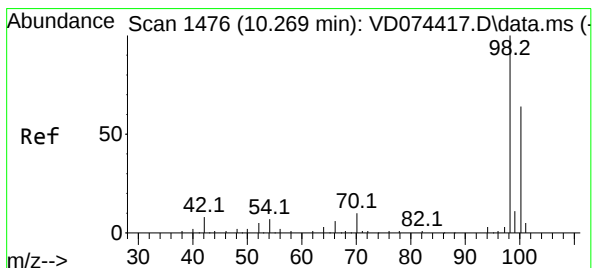
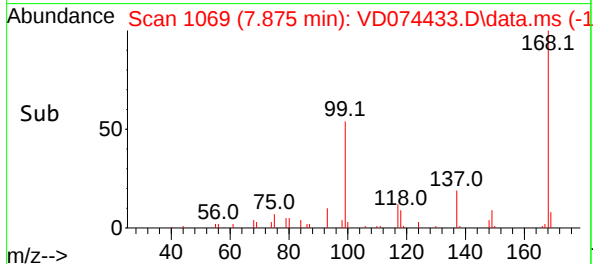
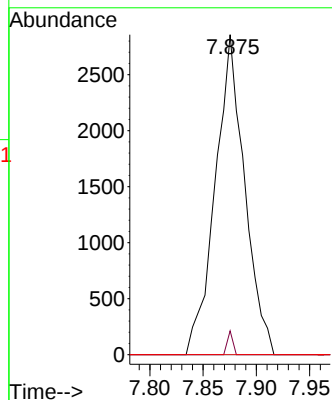


#38
Carbon Tetrachloride
Concen: 6.438 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.111 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

Instrument :
MSVOA_D
ClientSampleId :

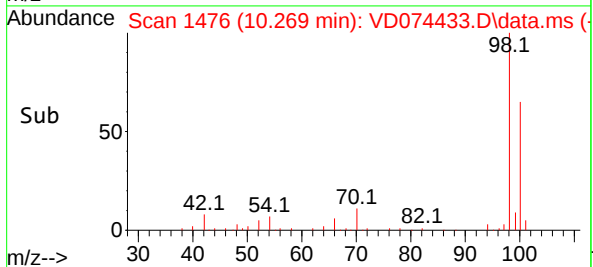
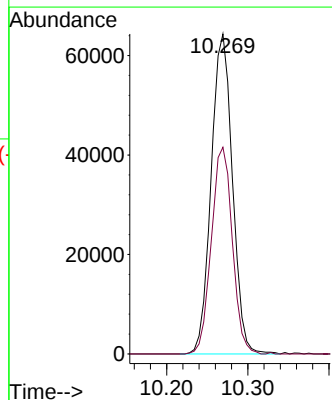
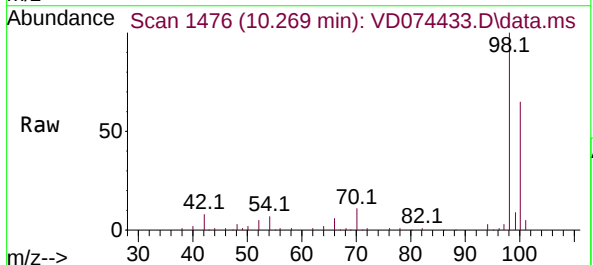


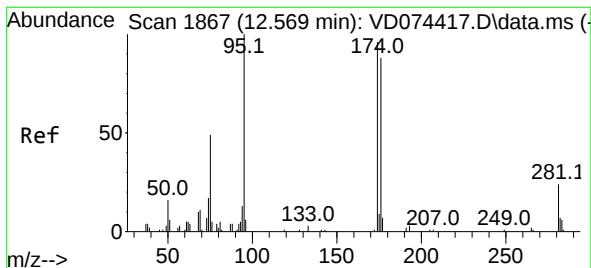
Tgt Ion:117 Resp: 5475
Ion Ratio Lower Upper
117 100
119 7.4 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.610 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

Tgt Ion: 98 Resp: 117088
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0

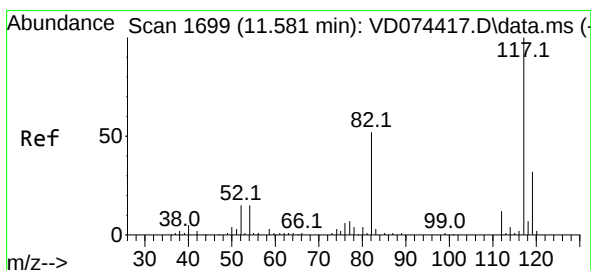
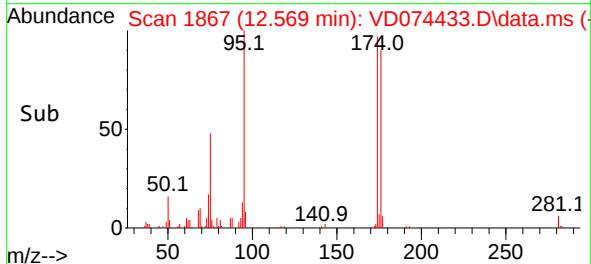
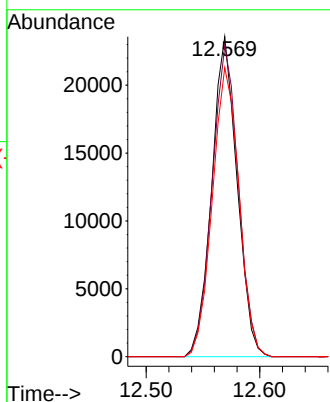
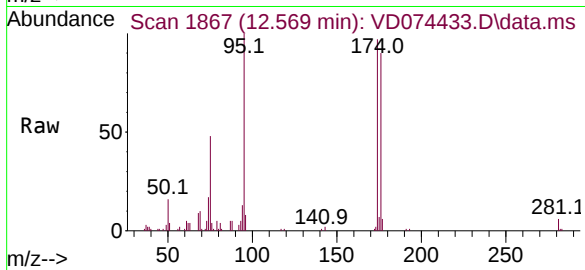




#62
4-Bromofluorobenzene
Concen: 46.632 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

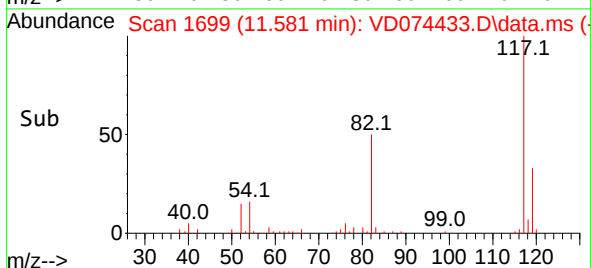
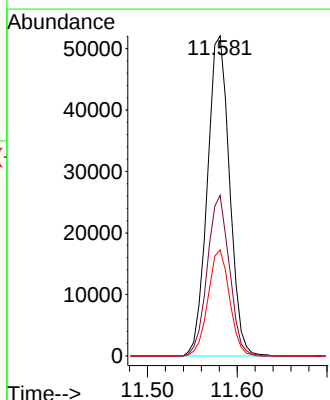
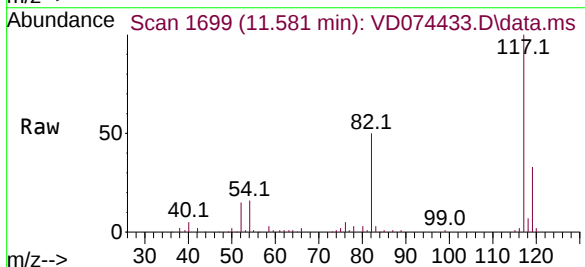
Instrument :
MSVOA_D
ClientSampleId :

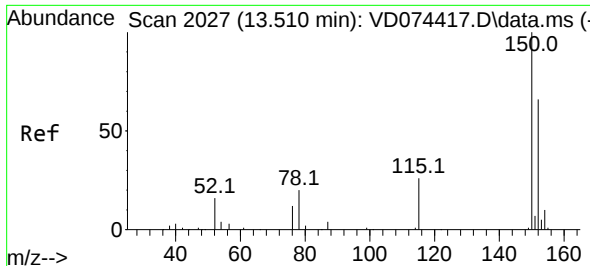
Tgt Ion: 95 Resp: 36546
Ion Ratio Lower Upper
95 100
174 100.6 0.0 197.0
176 94.6 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074433.D
Acq: 26 Sep 2022 21:52

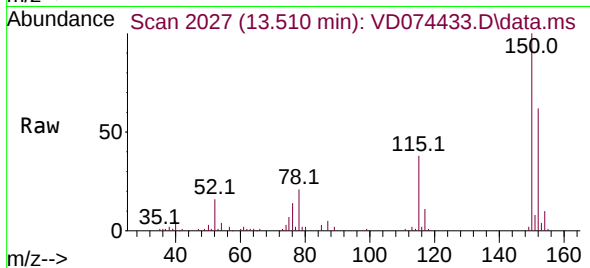
Tgt Ion: 117 Resp: 89424
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 33.2 25.2 37.8



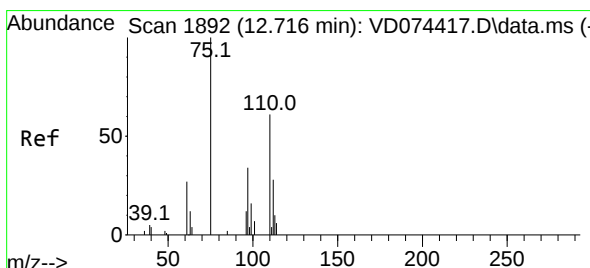
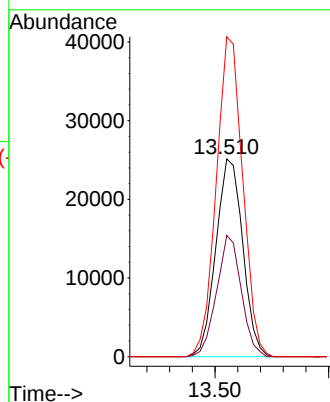
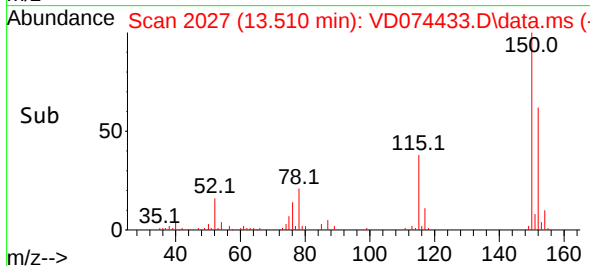


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.510 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD074433.D
 Acq: 26 Sep 2022 21:52

Instrument :
 MSVOA_D
 ClientSampleId :

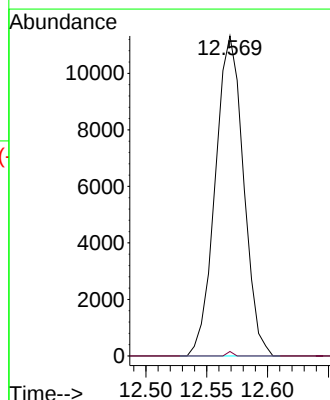
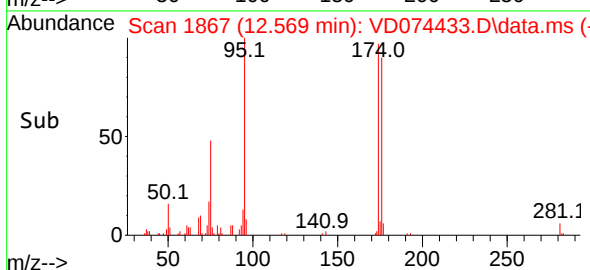
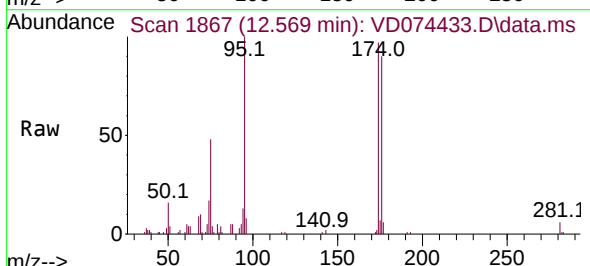


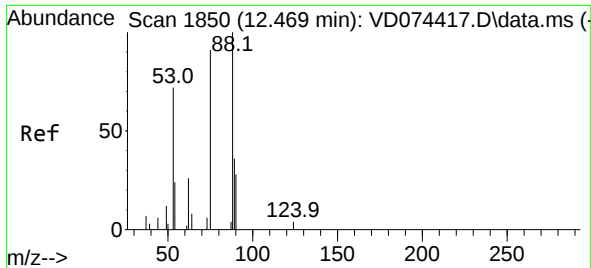
Tgt Ion:152 Resp: 41355
 Ion Ratio Lower Upper
 152 100
 115 56.3 26.8 80.4
 150 159.1 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 56.490 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074433.D
 Acq: 26 Sep 2022 21:52

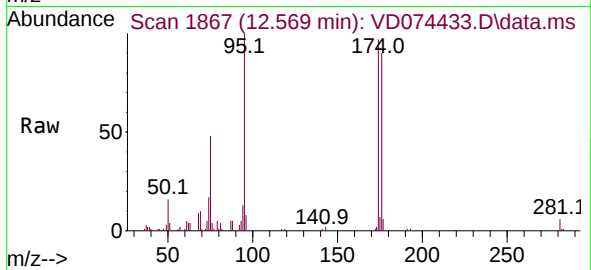
Tgt Ion: 75 Resp: 18272
 Ion Ratio Lower Upper
 75 100
 77 0.3 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.848 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074433.D
 Acq: 26 Sep 2022 21:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	18272
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

