

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070475.D
 Acq On : 27 Sep 2021 14:04
 Operator : VA/SY
 Sample : M3908-01RE
 Misc : 6.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-04-(6-2.6)RE

Quant Time: Sep 28 04:13:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

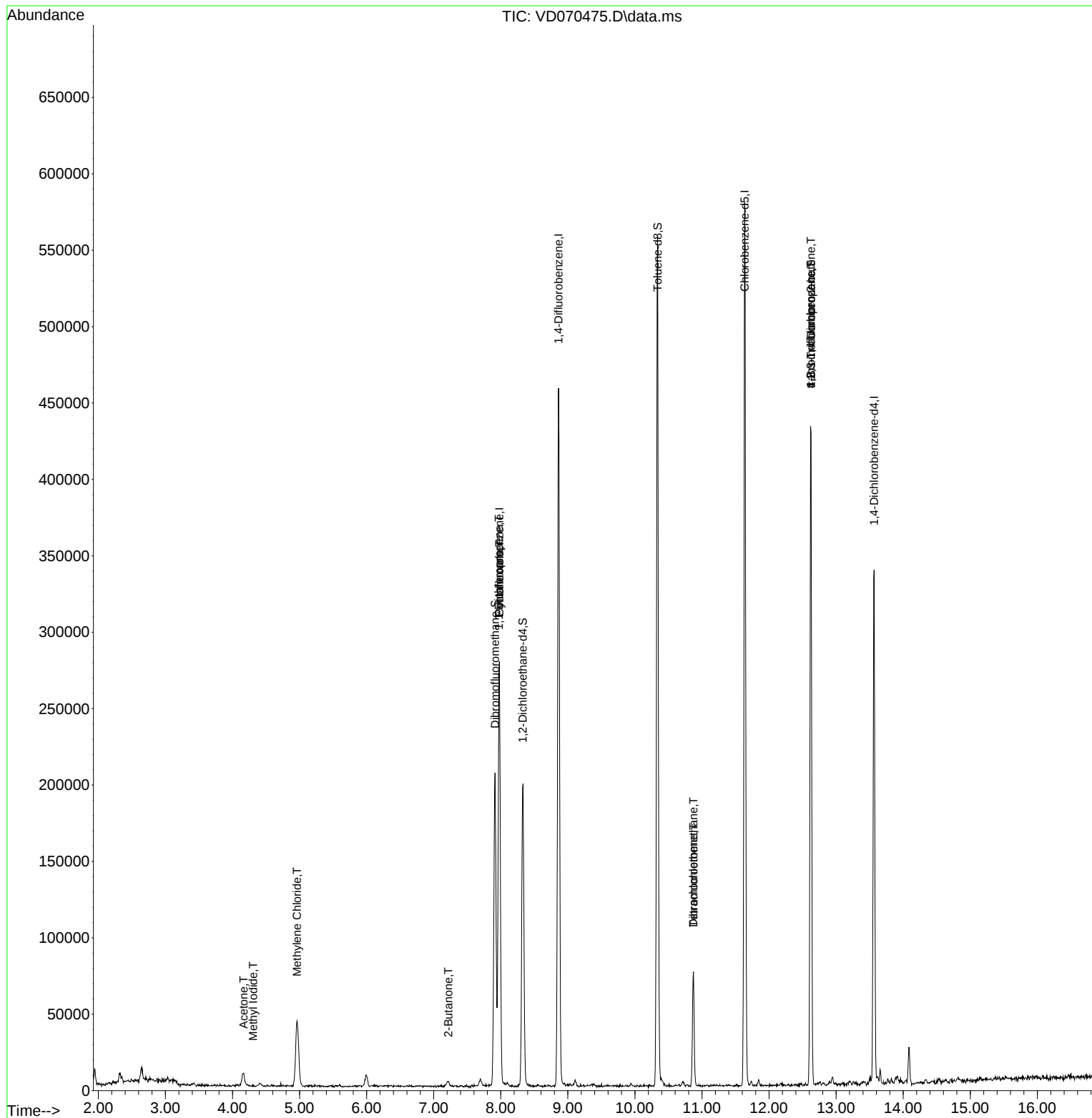
Internal Standards						
1) Pentafluorobenzene	7.979	168	194642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	391155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	346362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	93522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158853	63.560	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.120%	
35) Dibromofluoromethane	7.914	113	151197	54.304	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.600%	
50) Toluene-d8	10.337	98	392968	38.873	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 77.740%	
62) 4-Bromofluorobenzene	12.625	95	108563	30.728	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 61.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	376	Below Cal	#	43
3) Chloromethane	2.214	50	728	Below Cal	#	84
5) Bromomethane	2.767	94	314	Below Cal		85
6) Chloroethane	2.920	64	259	Below Cal	#	61
10) Methyl Iodide	4.308	142	66	1.056	ug/l #	49
16) Acetone	4.167	43	15907	35.650	ug/l	99
18) Methyl Acetate	4.738	43	437	Below Cal	#	48
20) Methylene Chloride	4.961	84	37029	7.082	ug/l	87
25) 2-Butanone	7.220	43	2721	4.581	ug/l #	84
31) Cyclohexane	7.979	56	5460	1.268	ug/l #	15
36) 1,1-Dichloropropene	7.973	75	17049	4.078	ug/l #	49
60) Dibromochloromethane	10.873	129	17933	6.767	ug/l #	11
64) Tetrachloroethene	10.873	164	17739	8.412	ug/l	97
76) 1,2,3-Trichloropropane	12.625	75	51383	54.317	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	51383	136.096	ug/l #	18

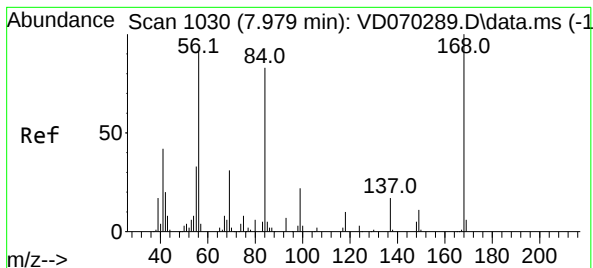
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070475.D

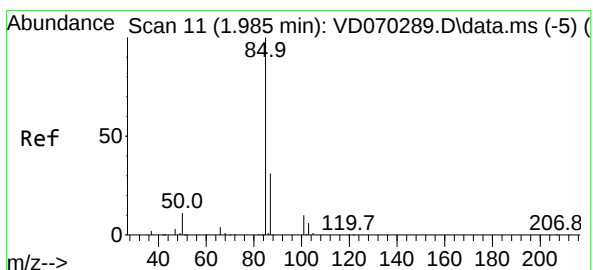
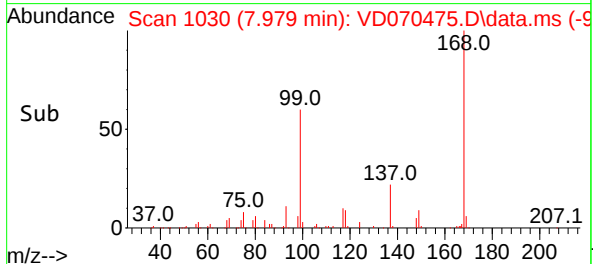
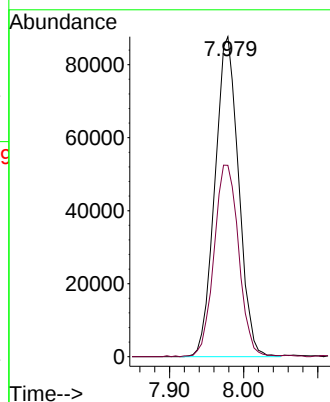
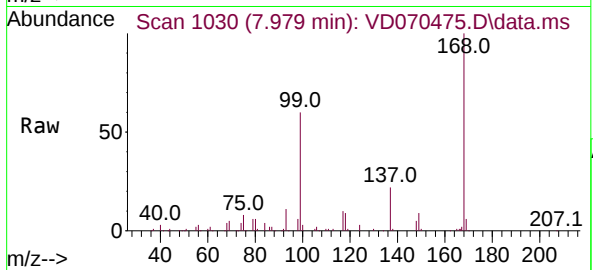
Acq: 27 Sep 2021 14:04

Tgt Ion:168 Resp: 194642

Ion Ratio Lower Upper

168 100

99 59.8 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD070475.D

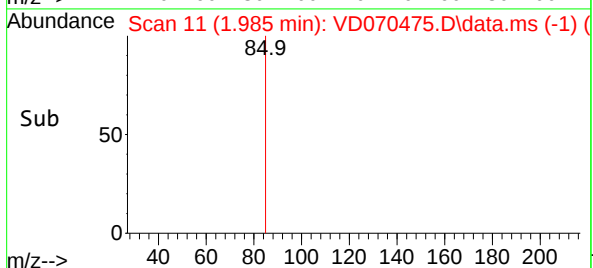
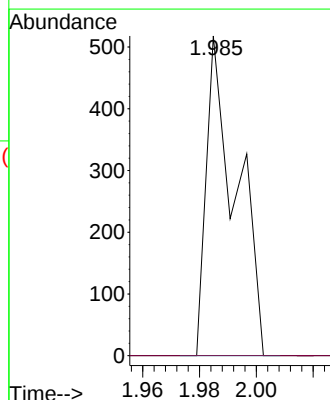
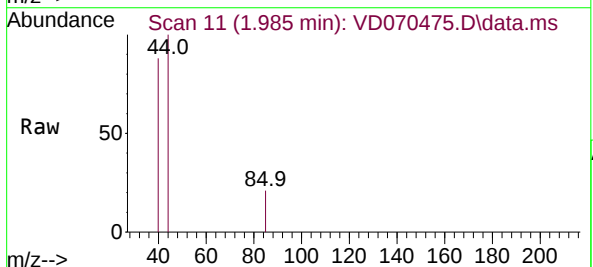
Acq: 27 Sep 2021 14:04

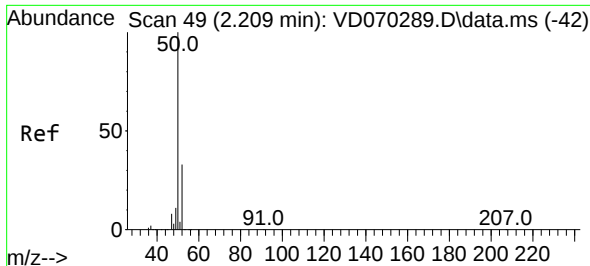
Tgt Ion: 85 Resp: 376

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

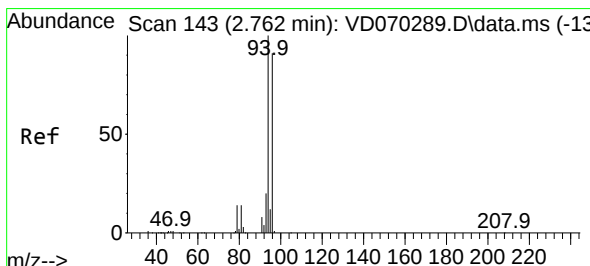
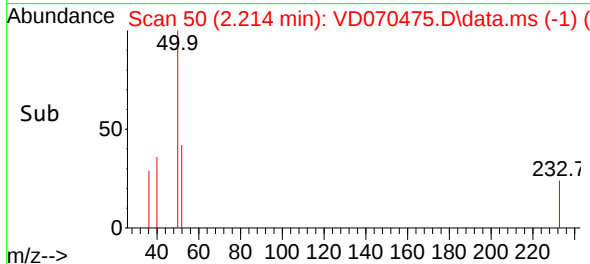
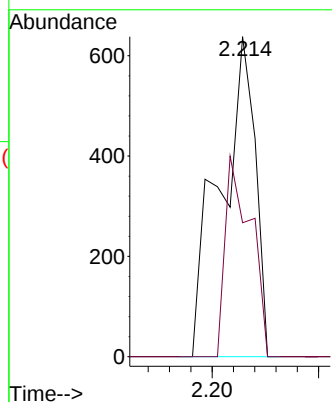
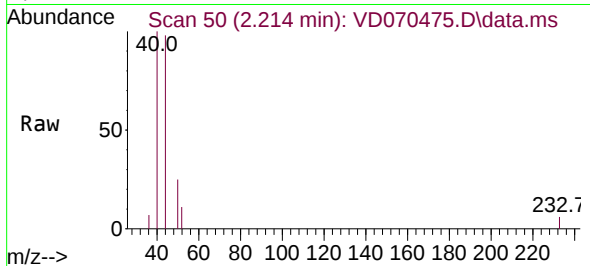




#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

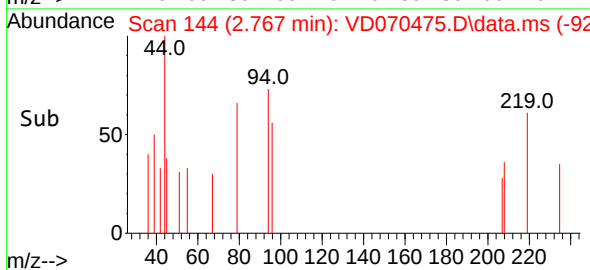
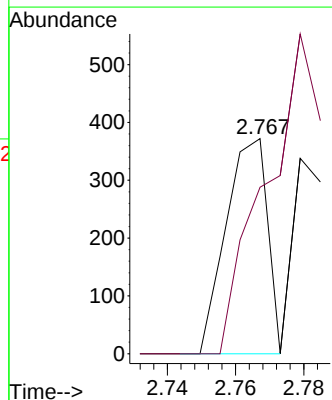
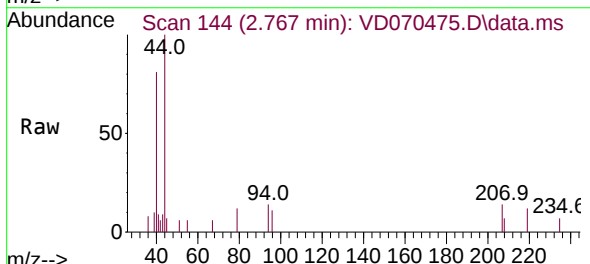
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MSVOA_D
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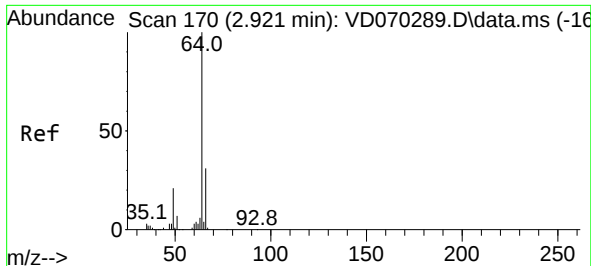
Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 41.8 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 77.4 73.0 109.6

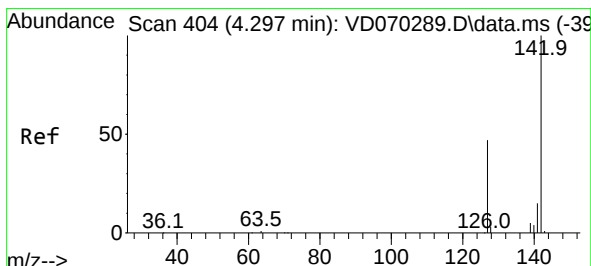
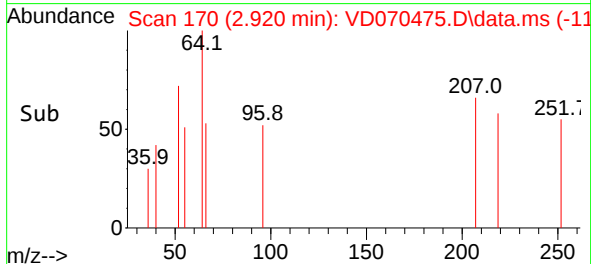
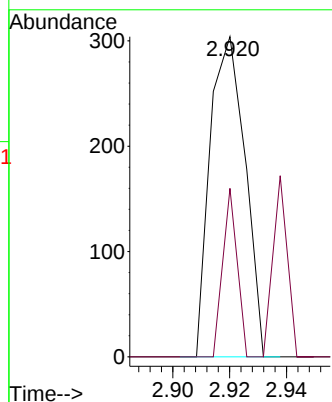
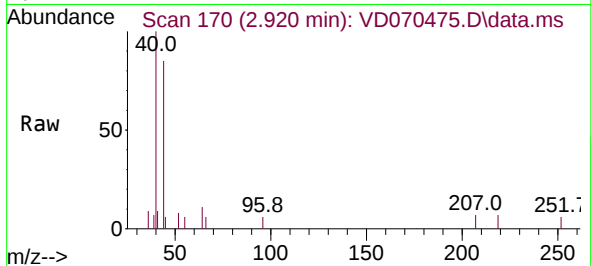




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

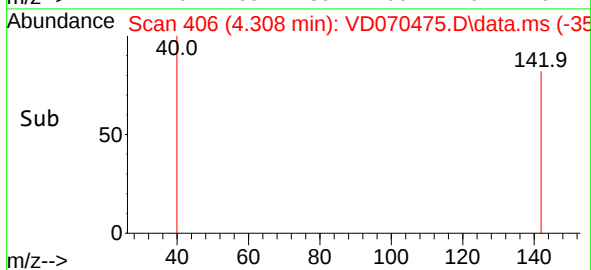
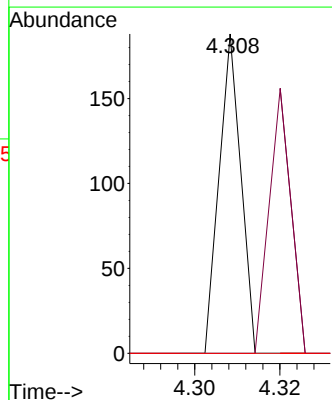
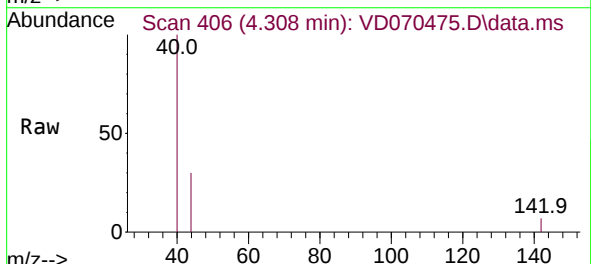
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-04-(6-2.6)RE

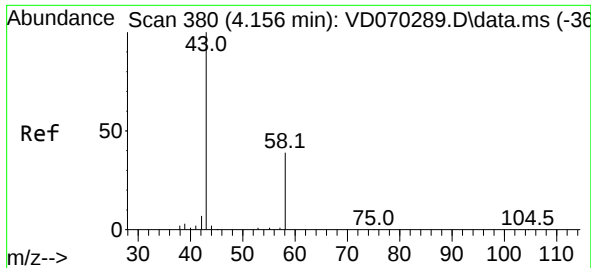
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 52.6 25.0 37.4#



#10
Methyl Iodide
Concen: 1.056 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 83.3 36.9 55.3#
141 0.0 11.8 17.6#

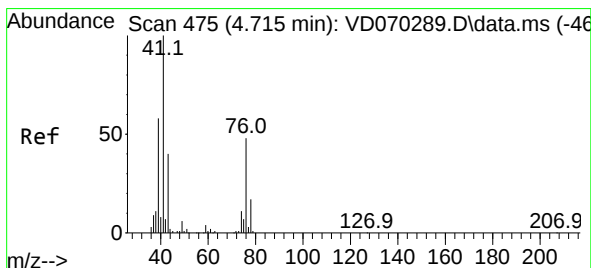
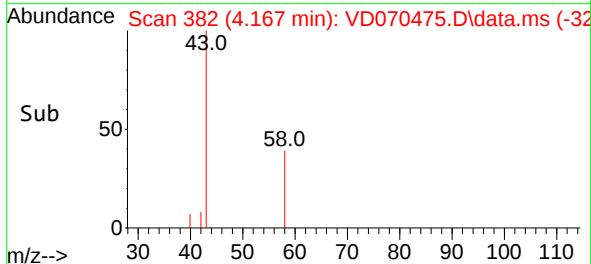
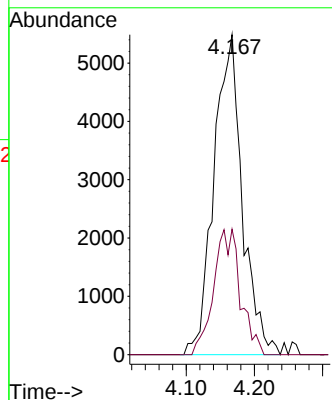
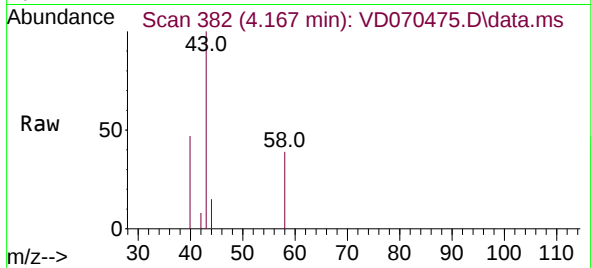




#16
Acetone
Concen: 35.650 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

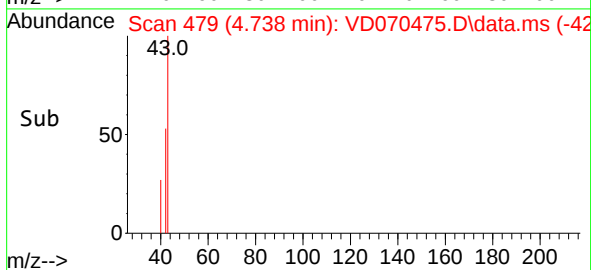
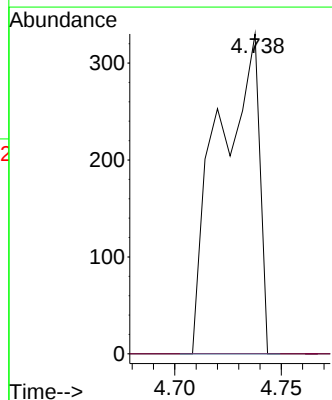
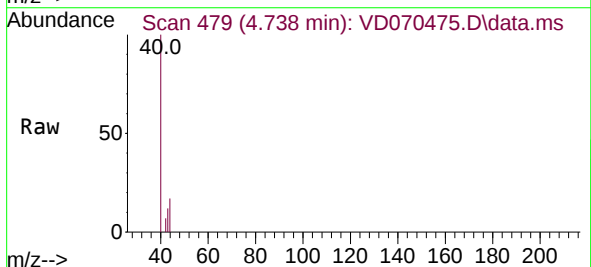
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-04-(6-2.6)RE

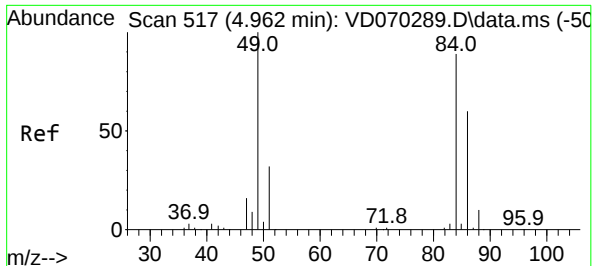
Tgt Ion: 43 Resp: 15907
Ion Ratio Lower Upper
43 100
58 39.2 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.023 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: 7.082 ug/l

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD070475.D

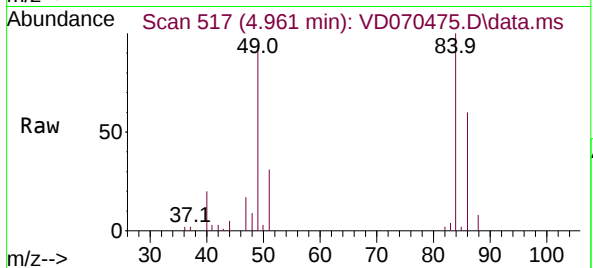
Acq: 27 Sep 2021 14:04

Instrument :

MSVOA_D

ClientSampleId :

SUB-SLAB-04-(6-2.6)RE



Tgt Ion: 84 Resp: 37029

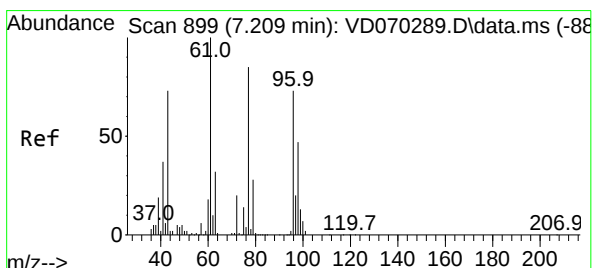
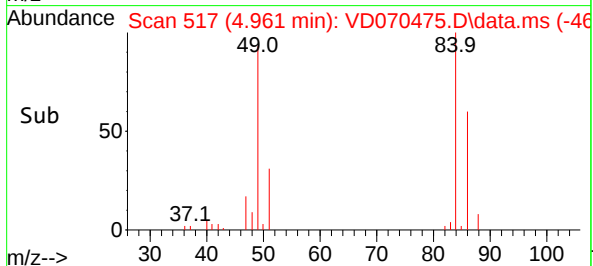
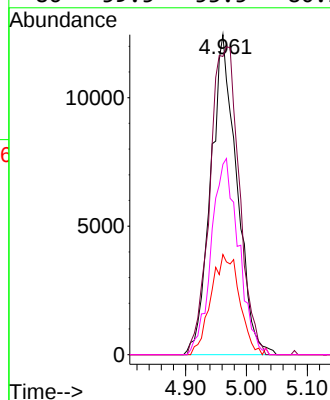
Ion Ratio Lower Upper

84 100

49 93.2 89.6 134.4

51 31.3 28.6 43.0

86 59.5 53.5 80.3



#25

2-Butanone

Concen: 4.581 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.011 min

Lab File: VD070475.D

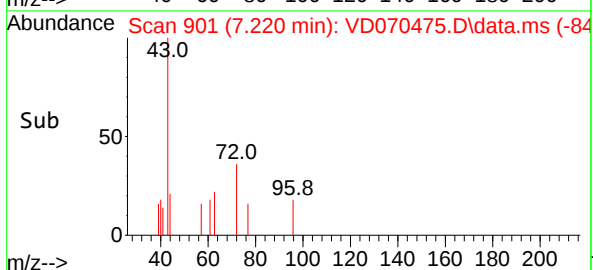
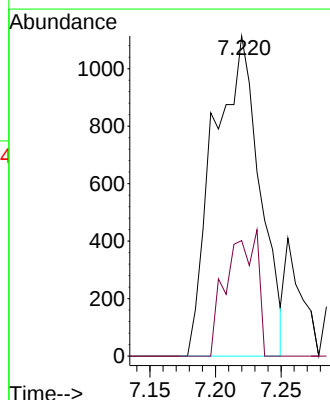
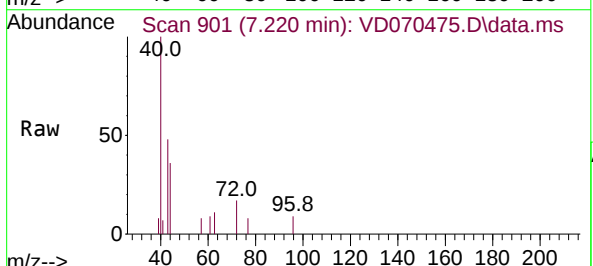
Acq: 27 Sep 2021 14:04

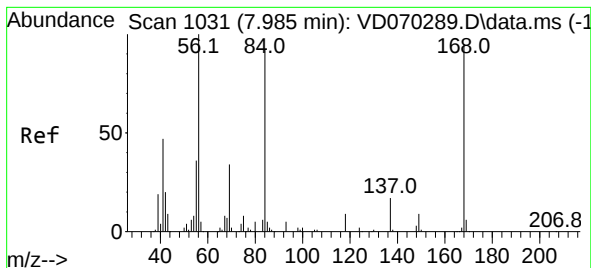
Tgt Ion: 43 Resp: 2721

Ion Ratio Lower Upper

43 100

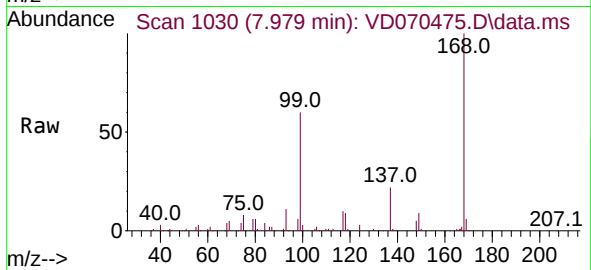
72 36.1 22.2 33.4#



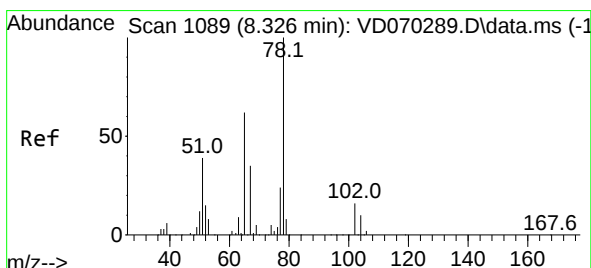
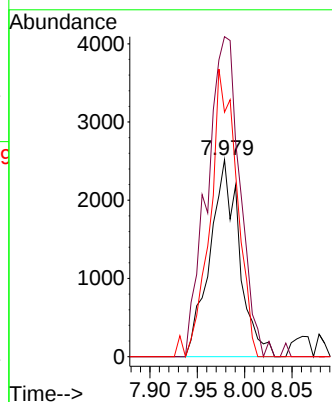
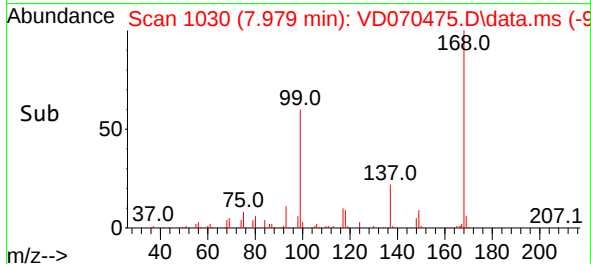


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

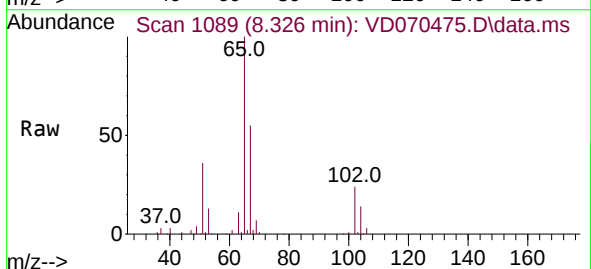
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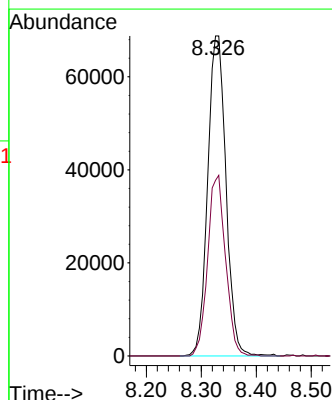
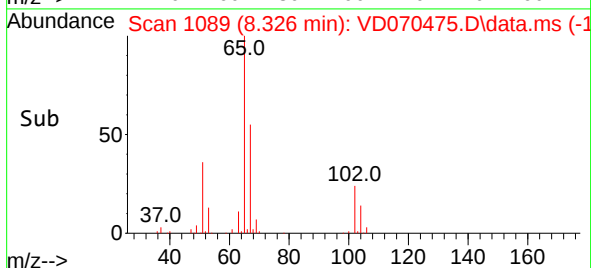
Tgt Ion: 56 Resp: 5460
Ion Ratio Lower Upper
56 100
69 162.5 26.9 40.3#
84 124.1 73.6 110.4#

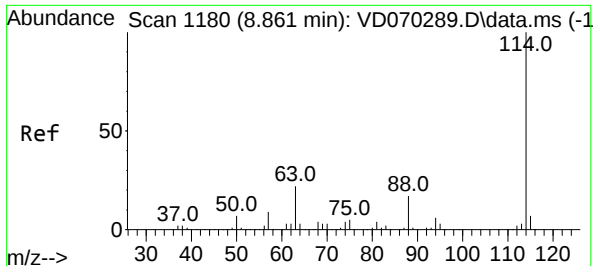


#33
1,2-Dichloroethane-d4
Concen: 63.560 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04



Tgt Ion: 65 Resp: 158853
Ion Ratio Lower Upper
65 100
67 55.2 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070475.D

Acq: 27 Sep 2021 14:04

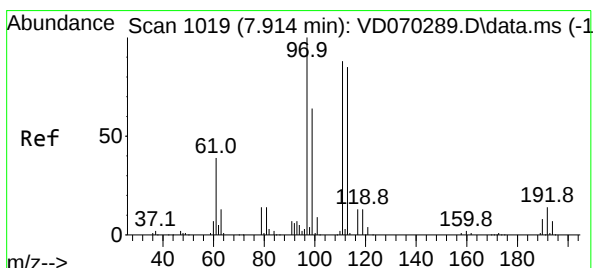
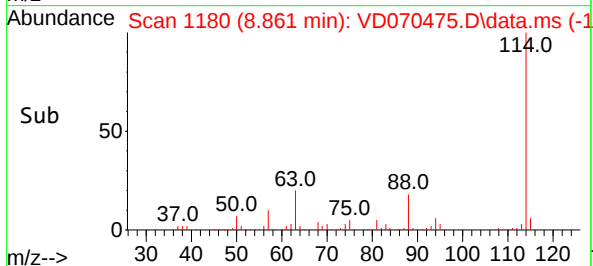
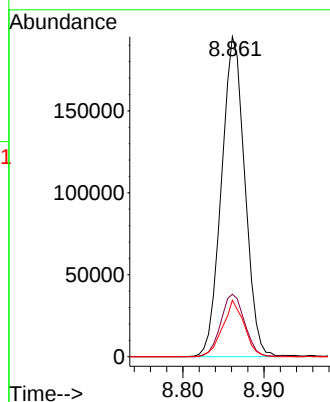
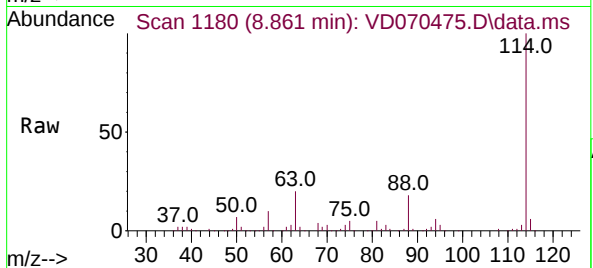
Instrument :

MSVOA_D

ClientSampleId :

SUB-SLAB-04-(6-2.6)RE

Tgt Ion:114	Resp: 391155
Ion Ratio	Lower Upper
114	100
63	19.5 0.0 43.4
88	17.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 54.304 ug/l

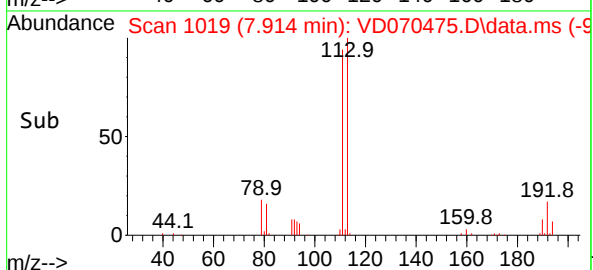
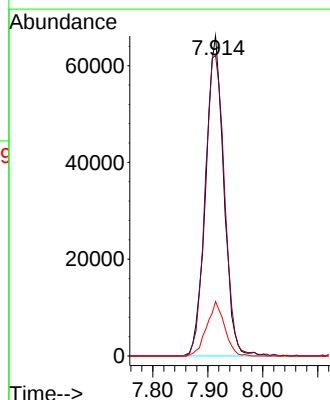
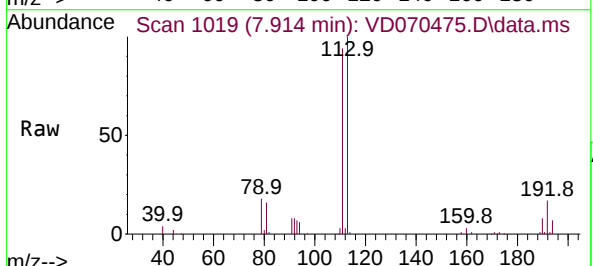
RT: 7.914 min Scan# 1019

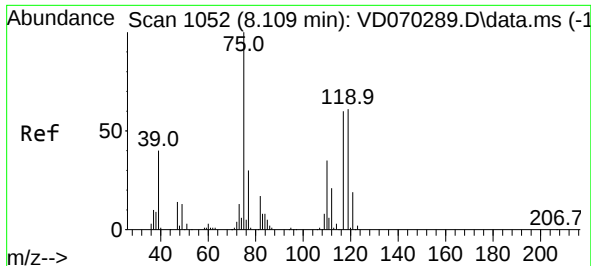
Delta R.T. -0.000 min

Lab File: VD070475.D

Acq: 27 Sep 2021 14:04

Tgt Ion:113	Resp: 151197
Ion Ratio	Lower Upper
113	100
111	101.0 81.4 122.2
192	16.8 13.0 19.6

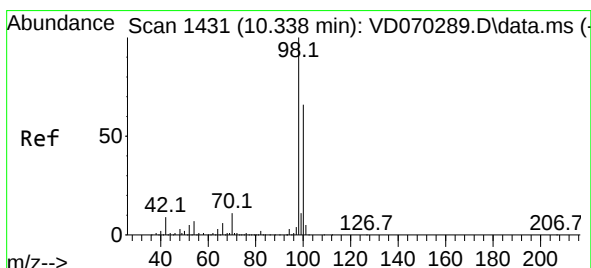
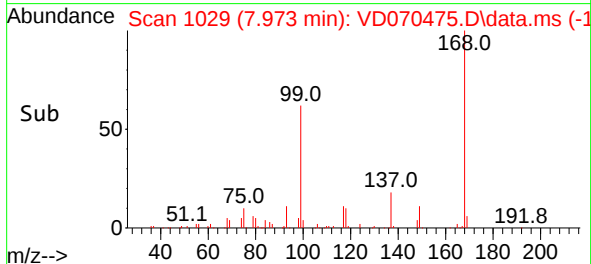
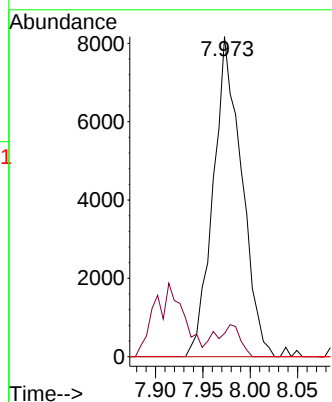
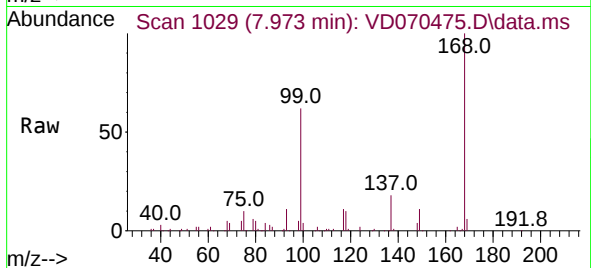




#36
1,1-Dichloropropene
Concen: 4.078 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

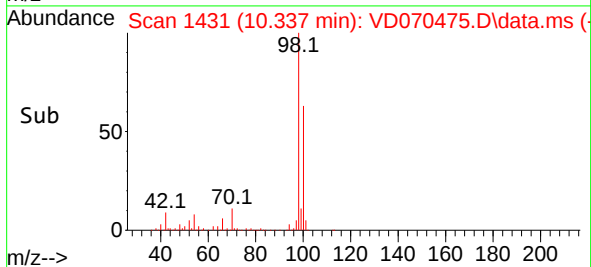
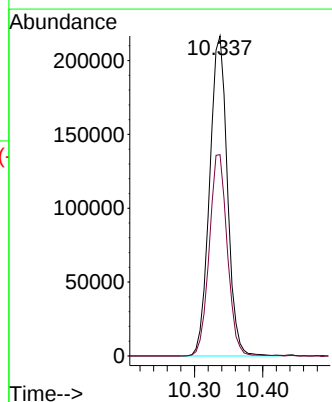
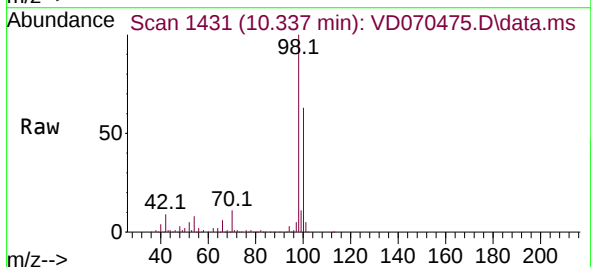
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-04-(6-2.6)RE

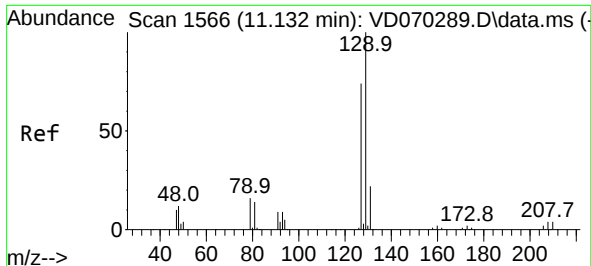
Tgt Ion: 75 Resp: 17049
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.7#
77 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 38.873 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

Tgt Ion: 98 Resp: 392968
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

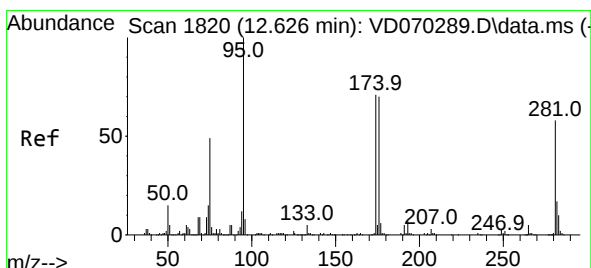
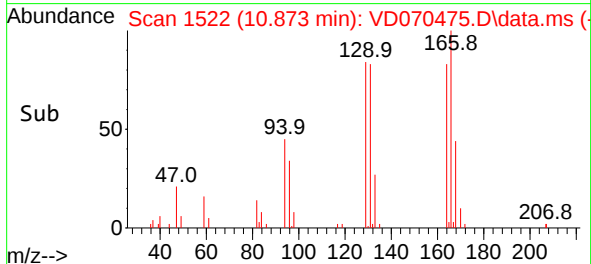
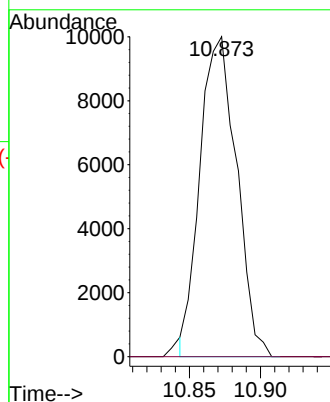
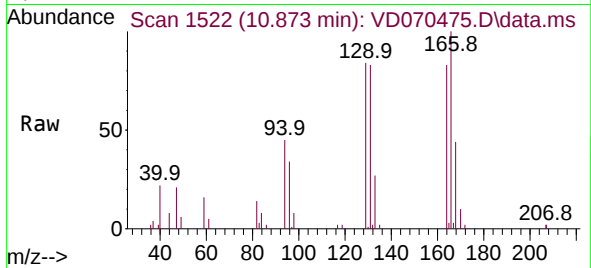




#60
Dibromochloromethane
Concen: 6.767 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

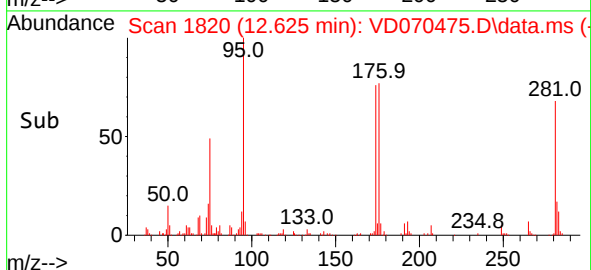
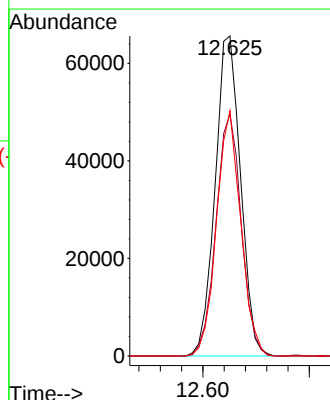
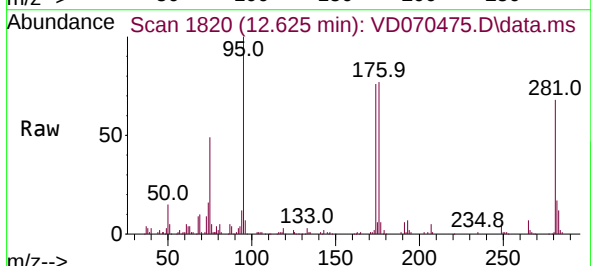
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-04-(6-2.6)RE

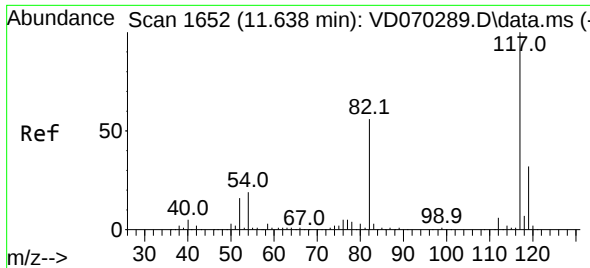
Tgt Ion:129 Resp: 17933
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#



#62
4-Bromofluorobenzene
Concen: 30.728 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

Tgt Ion: 95 Resp: 108563
Ion Ratio Lower Upper
95 100
174 75.0 0.0 140.6
176 73.1 0.0 137.4

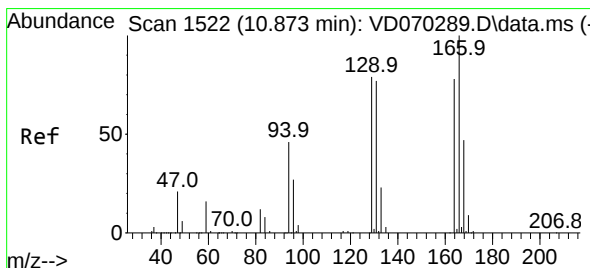
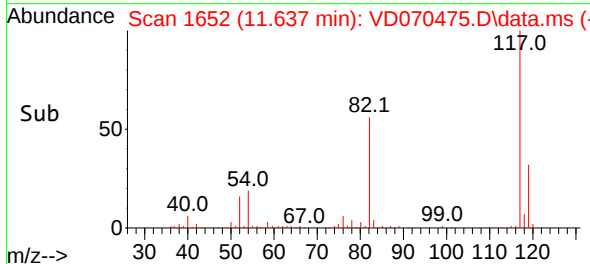
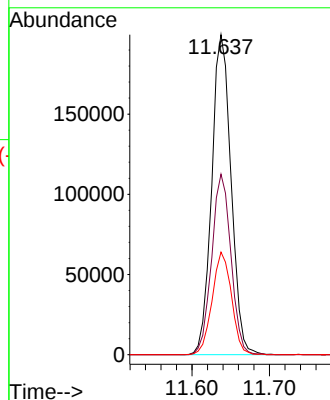
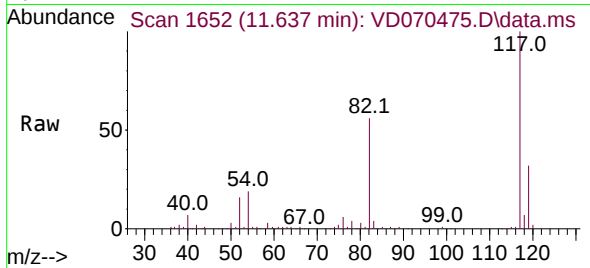




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

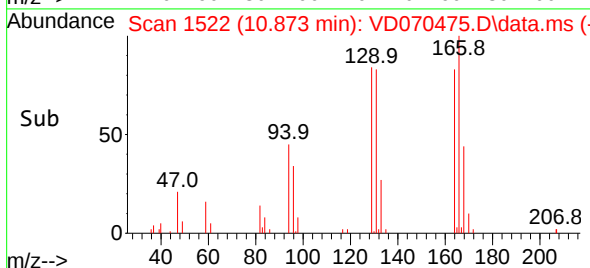
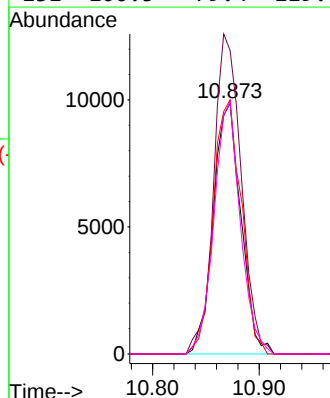
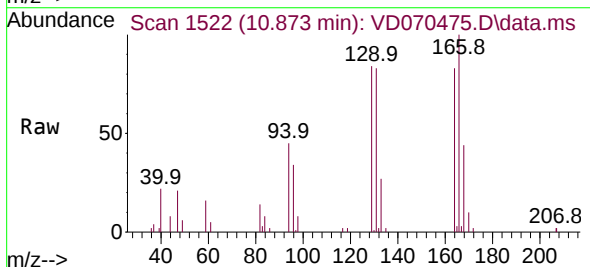
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-04-(6-2.6)RE

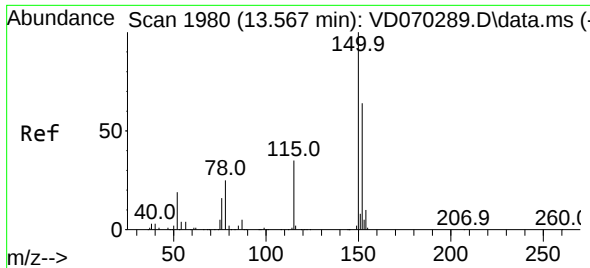
Tgt Ion:117 Resp: 346362
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 8.412 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD070475.D
Acq: 27 Sep 2021 14:04

Tgt Ion:164 Resp: 17739
Ion Ratio Lower Upper
164 100
166 120.9 102.4 153.6
129 101.3 80.9 121.3
131 100.5 79.4 119.0

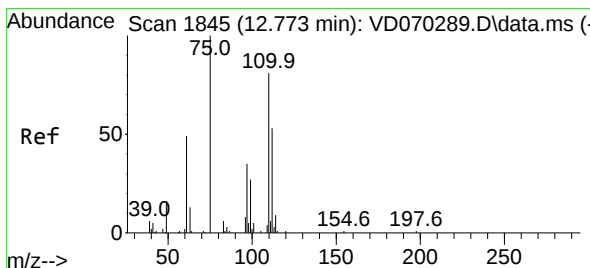
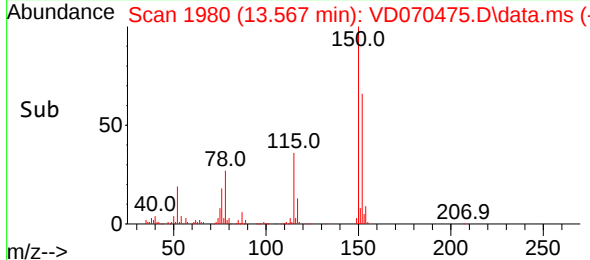
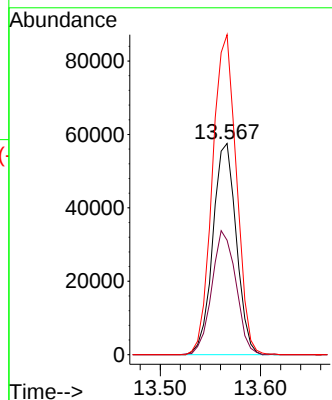
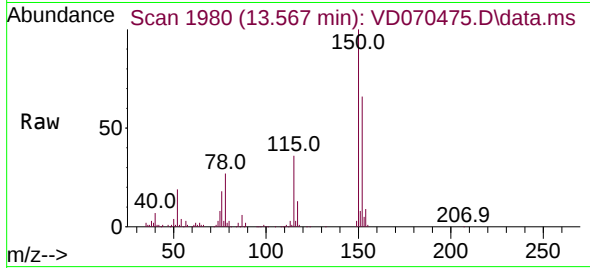




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070475.D
 Acq: 27 Sep 2021 14:04

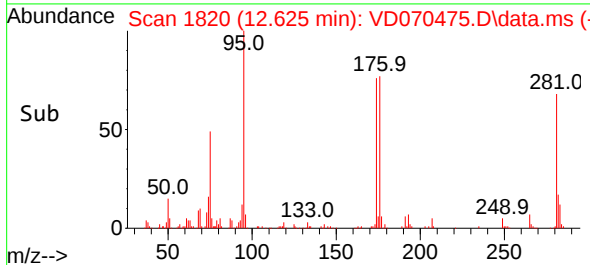
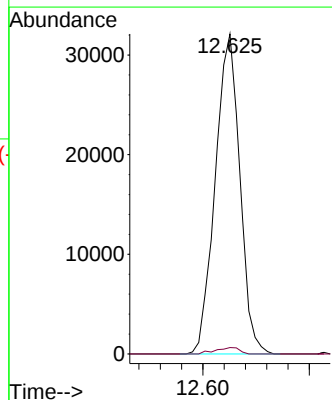
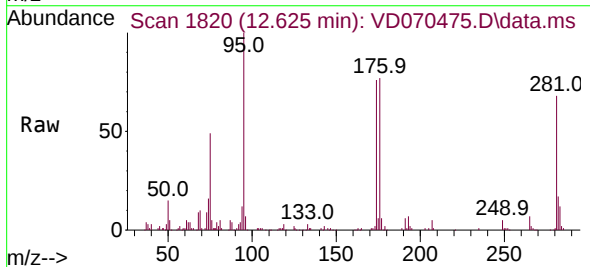
Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-04-(6-2.6)RE

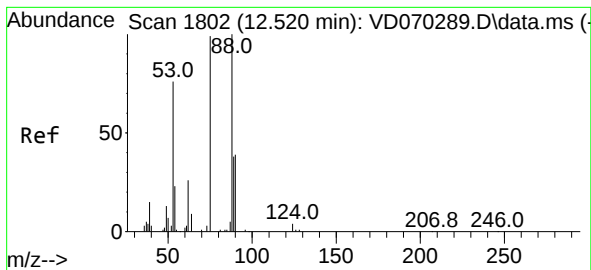
Tgt Ion:152 Resp: 93522
 Ion Ratio Lower Upper
 152 100
 115 60.4 32.1 96.3
 150 155.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 54.317 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070475.D
 Acq: 27 Sep 2021 14:04

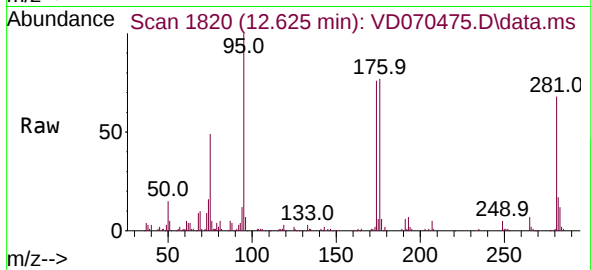
Tgt Ion: 75 Resp: 51383
 Ion Ratio Lower Upper
 75 100
 77 2.0 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.096 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. 0.105 min
 Lab File: VD070475.D
 Acq: 27 Sep 2021 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-04-(6-2.6)RE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.2	96.2#
89	1.0	35.6	53.4#

