

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072875.D
 Acq On : 07 May 2022 03:55
 Operator : VA/SY
 Sample : N2691-05
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SHALLOW-WC-2

Quant Time: May 09 01:20:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	317860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	570984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	563963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258756	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	206675	50.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.180%
35) Dibromofluoromethane	7.908	113	193373	48.222	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.440%
50) Toluene-d8	10.332	98	698023	48.526	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.620	95	273626	51.015	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.040%

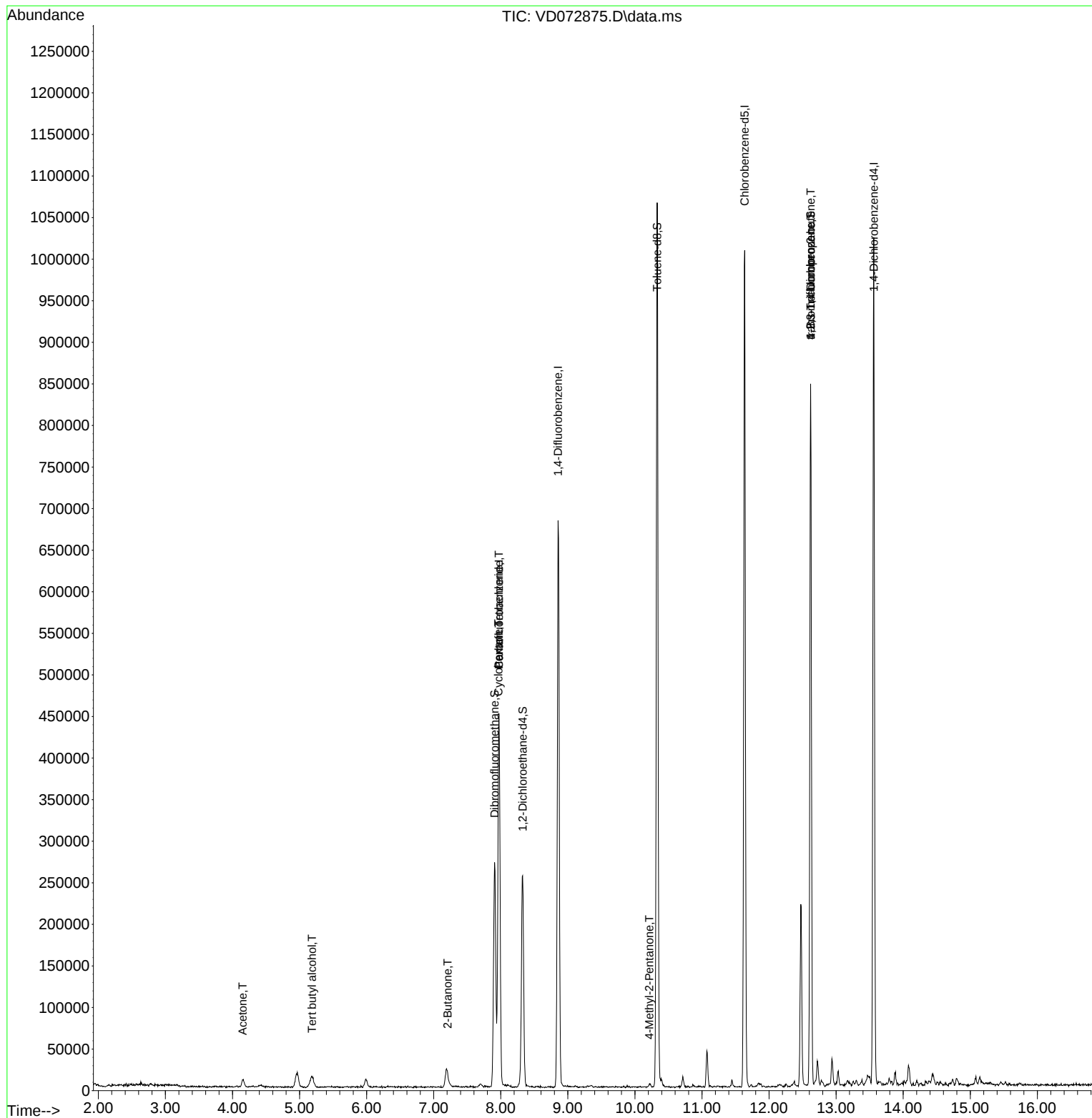
Target Compounds					Qvalue
5) Bromomethane	2.773	94	1424	Below Cal	# 72
11) Tert butyl alcohol	5.185	59	14643	41.018	ug/l # 74
16) Acetone	4.150	43	16431	7.767	ug/l # 88
18) Methyl Acetate	4.714	43	128	Below Cal	# 55
20) Methylene Chloride	4.967	84	13602	Below Cal	# 86
25) 2-Butanone	7.208	43	2891	2.405	ug/l # 52
31) Cyclohexane	7.967	56	8280	1.148	ug/l # 1
38) Carbon Tetrachloride	7.973	117	34558	5.106	ug/l # 17
51) 4-Methyl-2-Pentanone	10.214	43	3202	1.114	ug/l 99
76) 1,2,3-Trichloropropane	12.620	75	145324	50.367	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.620	75	145324	115.824	ug/l # 7

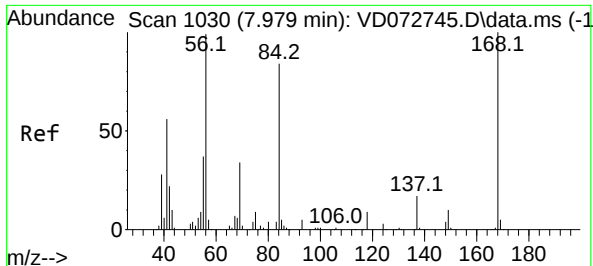
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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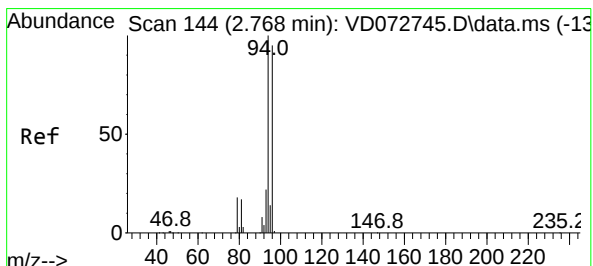
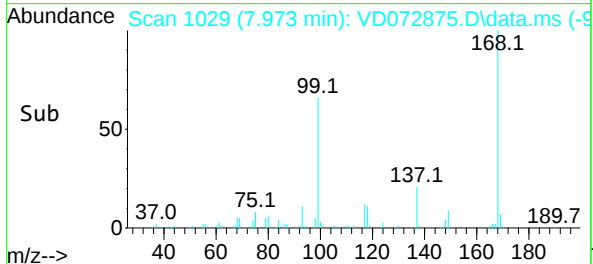
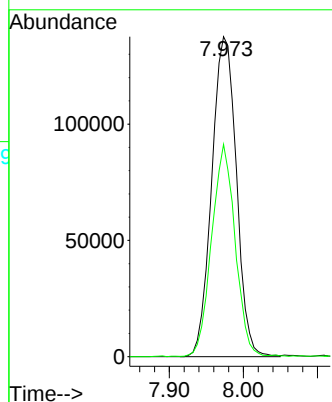
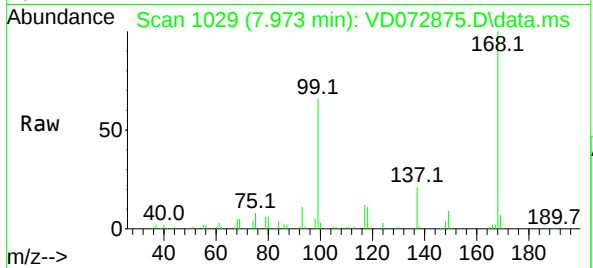




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

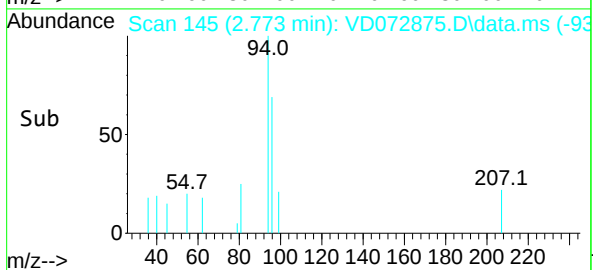
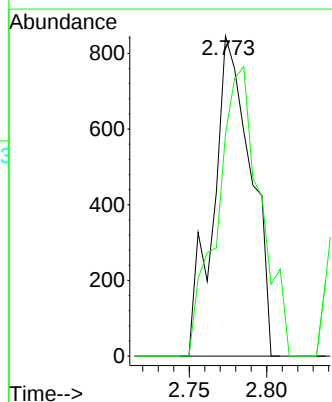
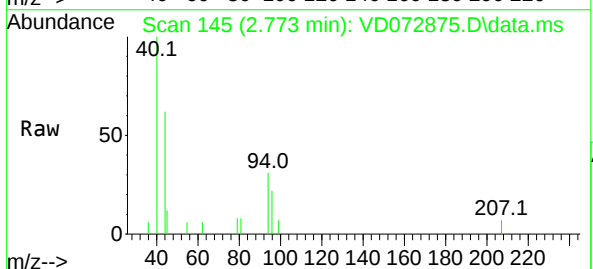
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-2

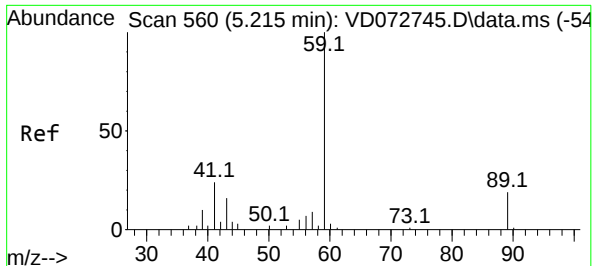
Tgt Ion:168 Resp: 317860
Ion Ratio Lower Upper
168 100
99 66.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion: 94 Resp: 1424
Ion Ratio Lower Upper
94 100
96 69.3 77.6 116.4#





#11

Tert butyl alcohol

Concen: 41.018 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD072875.D

Acq: 07 May 2022 03:55

Instrument :

MSVOA_D

ClientSampleId :

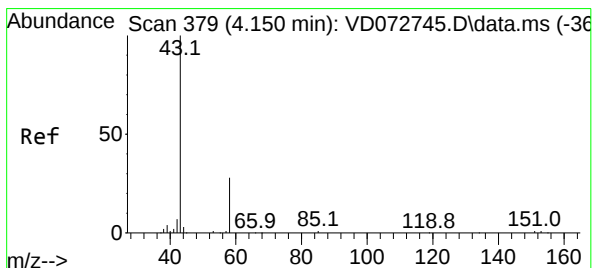
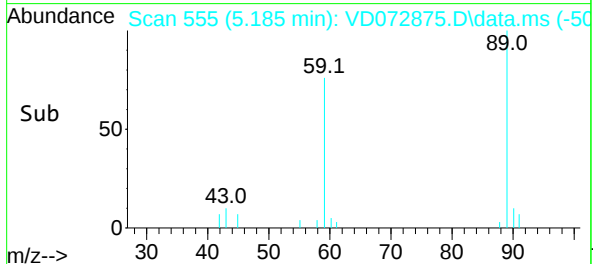
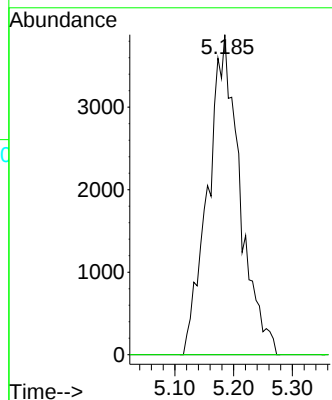
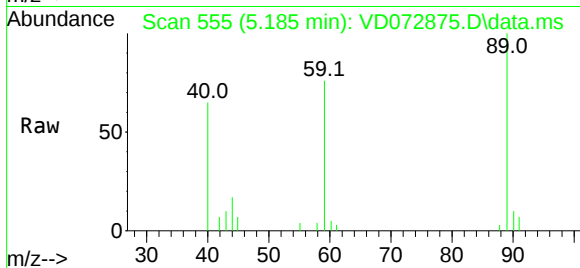
SHALLOW-WC-2

Tgt Ion: 59 Resp: 14643

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 7.767 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.000 min

Lab File: VD072875.D

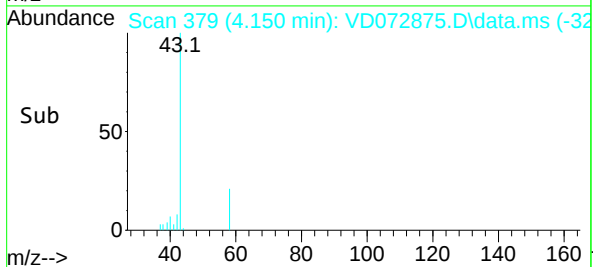
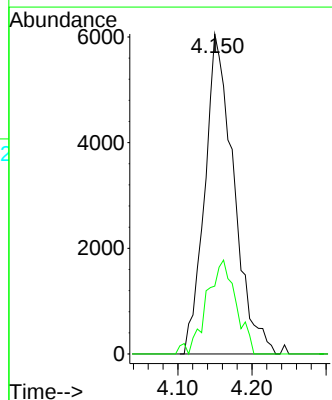
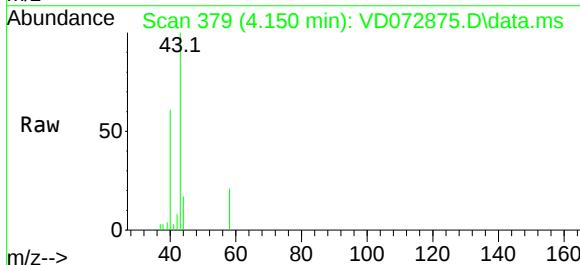
Acq: 07 May 2022 03:55

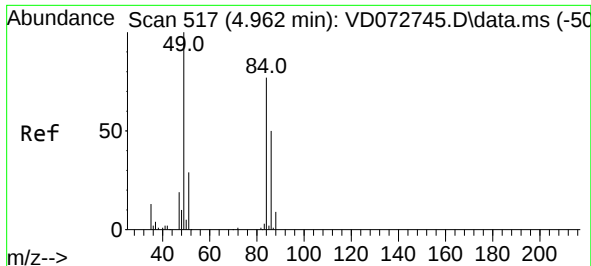
Tgt Ion: 43 Resp: 16431

Ion Ratio Lower Upper

43 100

58 21.2 22.1 33.1#

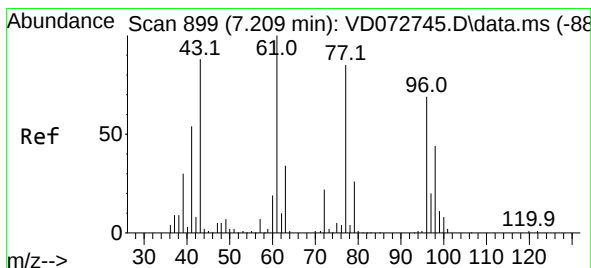
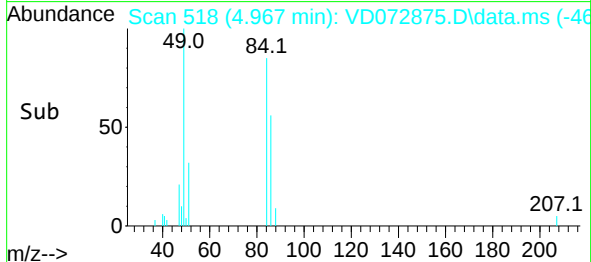
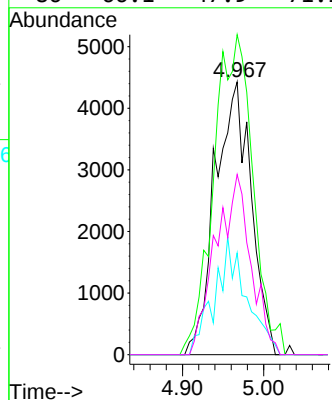
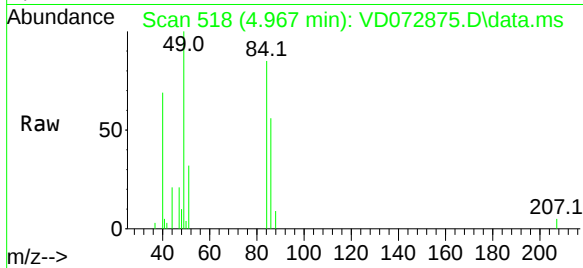




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

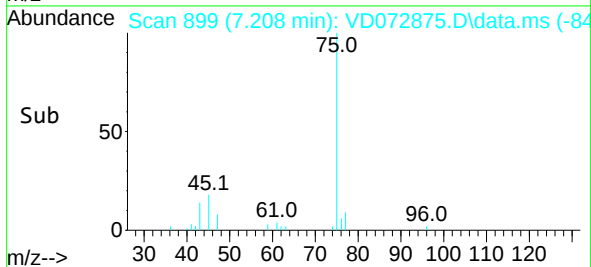
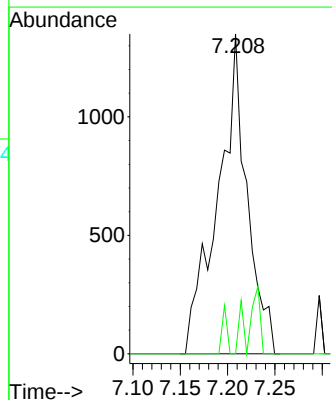
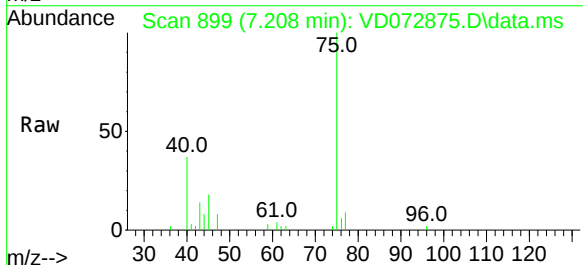
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-2

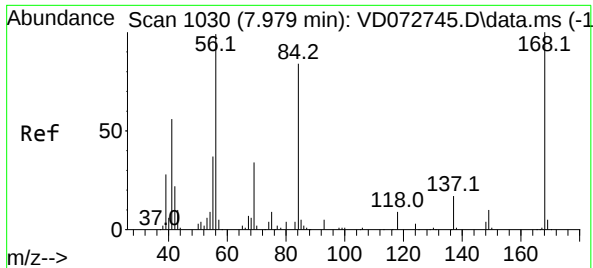
Tgt Ion:	84	Resp:	13602
Ion	Ratio	Lower	Upper
84	100		
49	117.3	112.8	169.2
51	37.3	32.6	48.8
86	66.1	47.9	71.9



#25
2-Butanone
Concen: 2.405 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.001 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion:	43	Resp:	2891
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

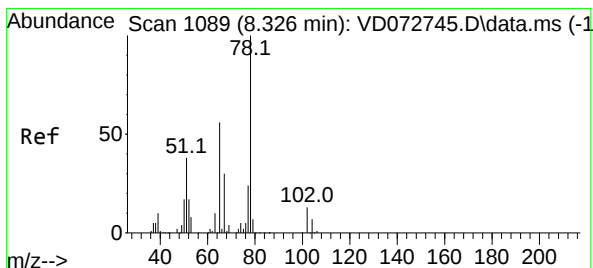
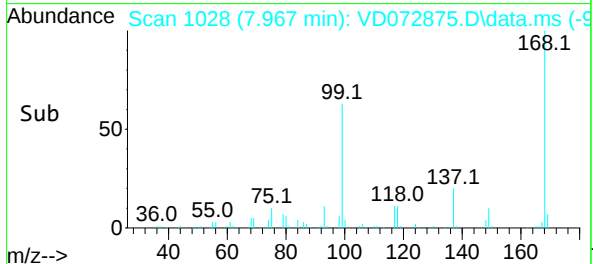
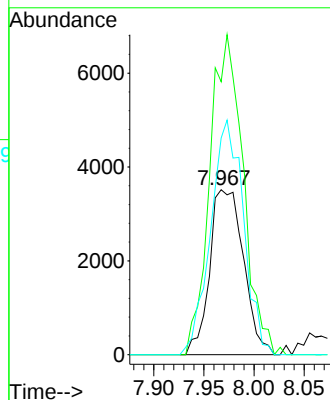
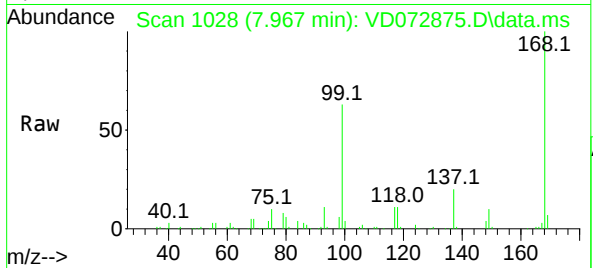




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

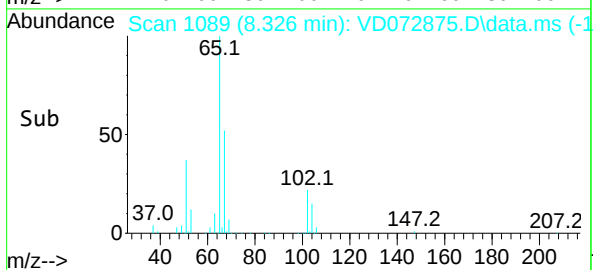
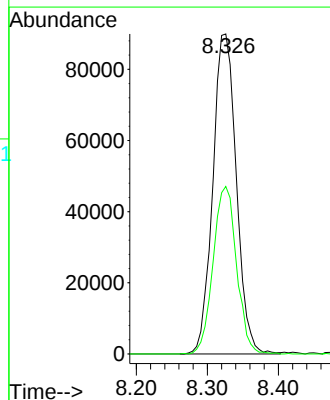
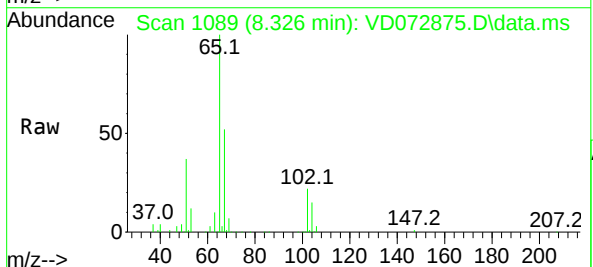
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-2

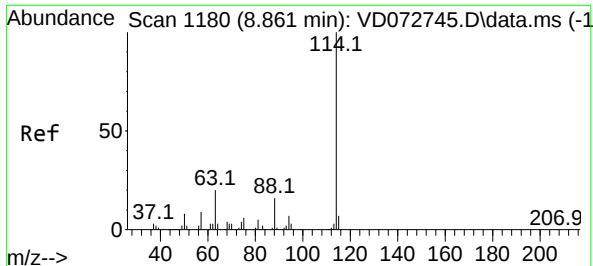
Tgt Ion: 56 Resp: 8280
Ion Ratio Lower Upper
56 100
69 165.5 25.4 38.2#
84 131.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 50.090 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion: 65 Resp: 206675
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072875.D

Acq: 07 May 2022 03:55

Instrument :

MSVOA_D

ClientSampleId :

SHALLOW-WC-2

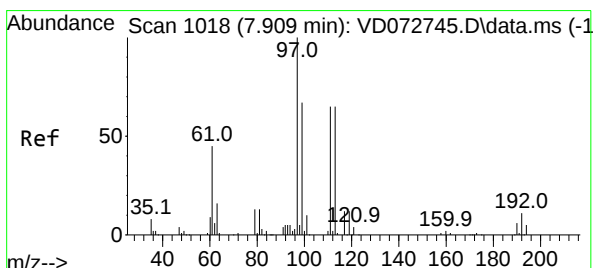
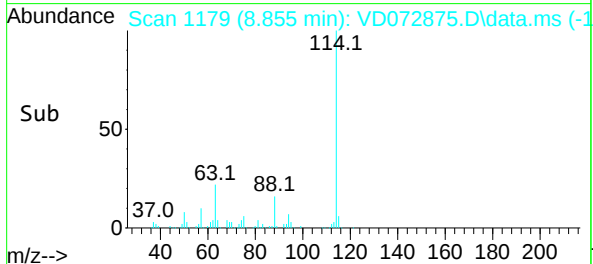
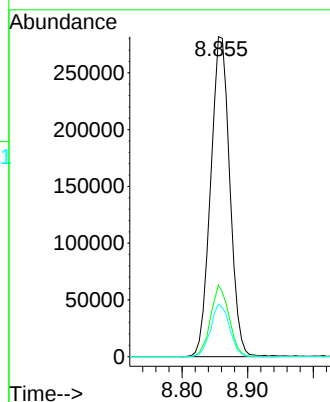
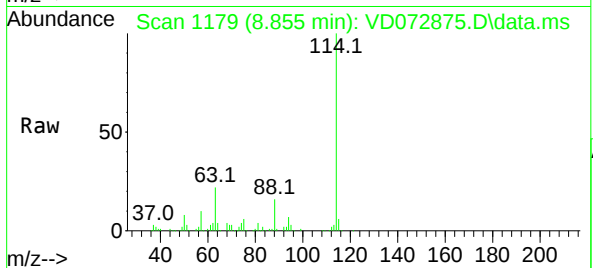
Tgt Ion:114 Resp: 570984

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.6

88 16.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.222 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072875.D

Acq: 07 May 2022 03:55

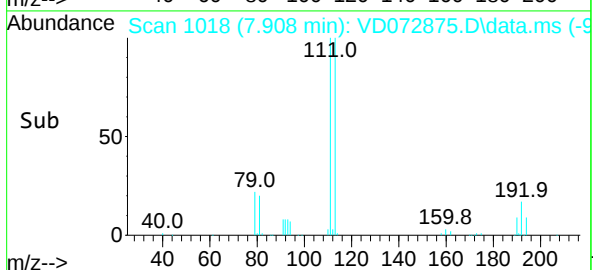
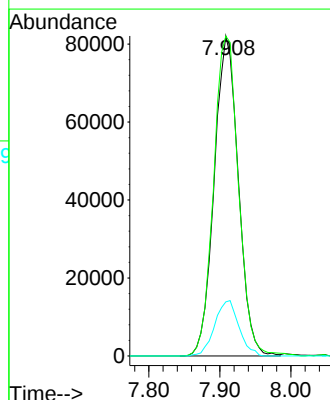
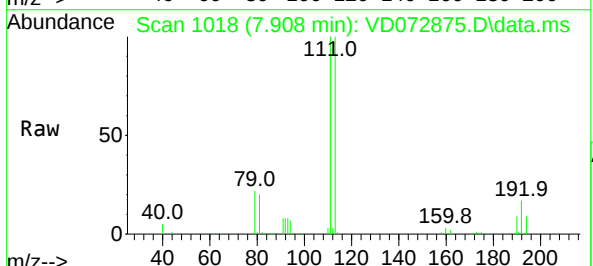
Tgt Ion:113 Resp: 193373

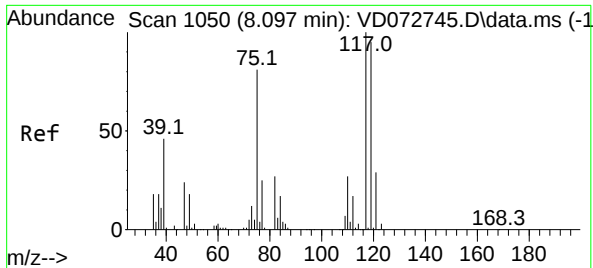
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 17.4 14.6 21.8

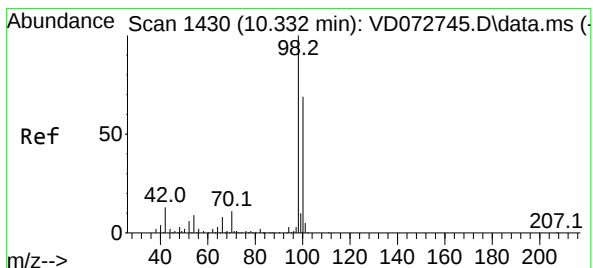
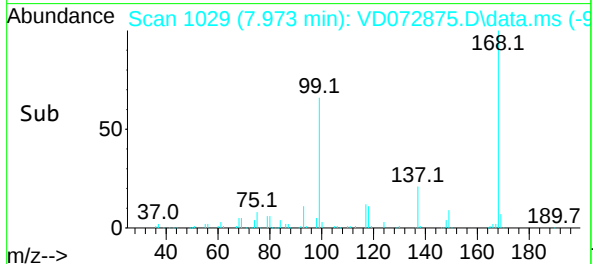
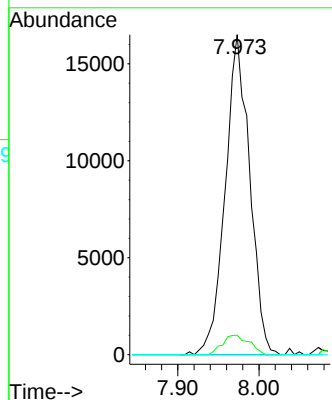
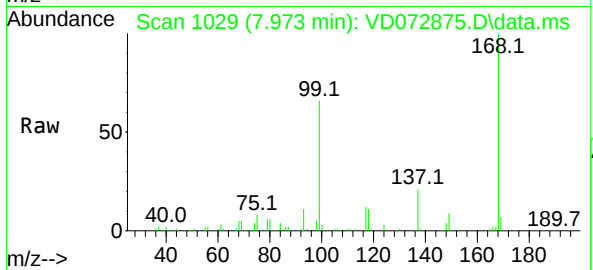




#38
Carbon Tetrachloride
Concen: 5.106 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

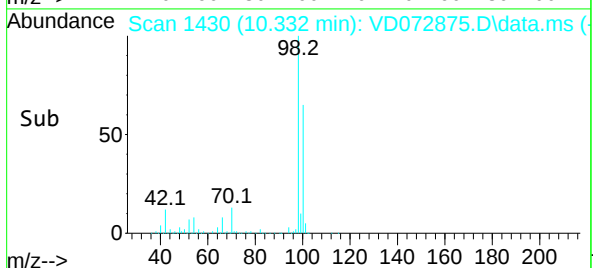
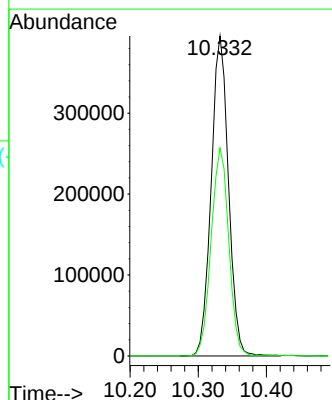
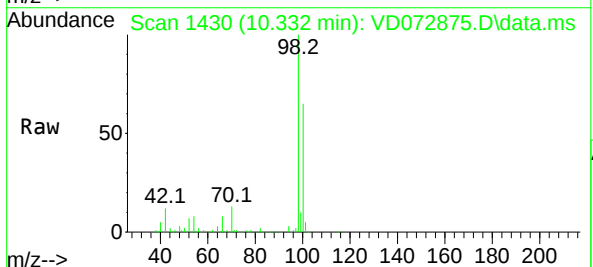
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SHALLOW-WC-2

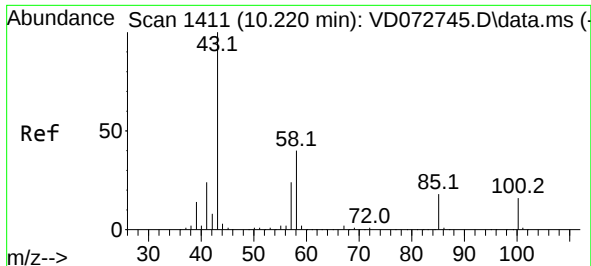
Tgt Ion:117 Resp: 34558
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.526 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion: 98 Resp: 698023
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

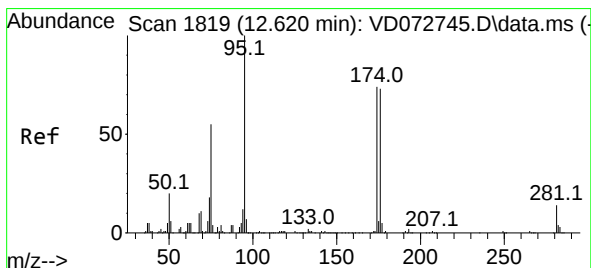
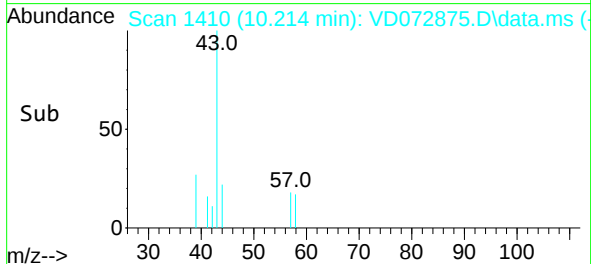
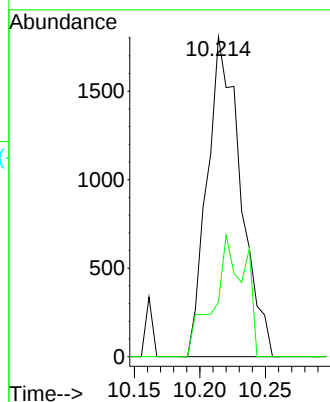
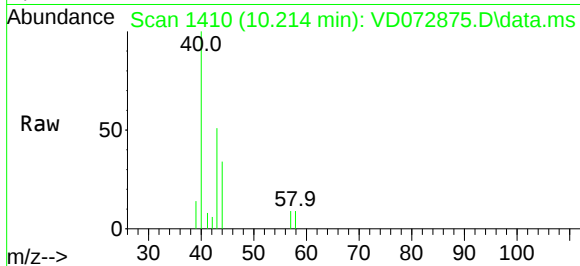




#51
4-Methyl-2-Pentanone
Concen: 1.114 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

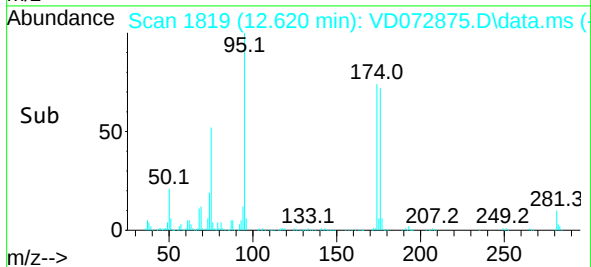
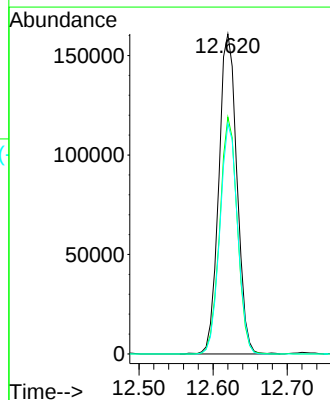
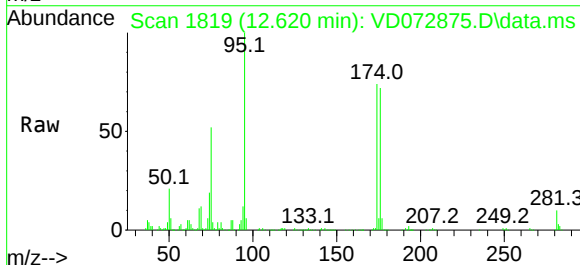
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-2

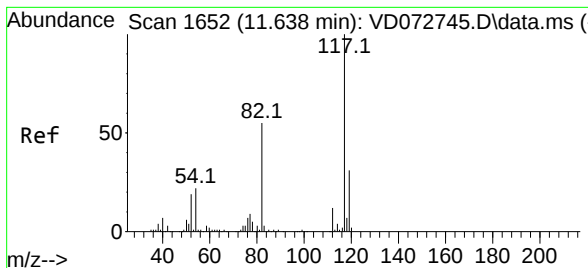
Tgt Ion: 43 Resp: 3202
Ion Ratio Lower Upper
43 100
58 35.4 28.6 43.0



#62
4-Bromofluorobenzene
Concen: 51.015 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion: 95 Resp: 273626
Ion Ratio Lower Upper
95 100
174 71.6 0.0 152.8
176 70.0 0.0 145.4

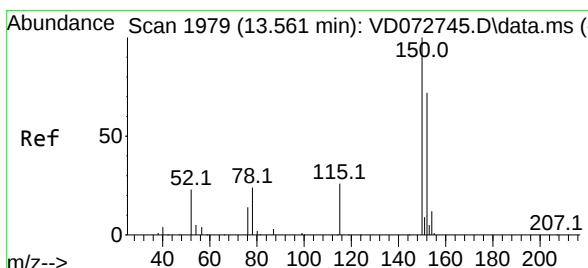
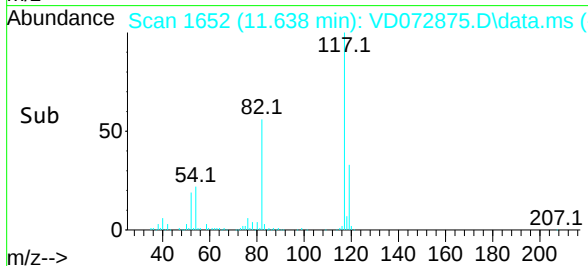
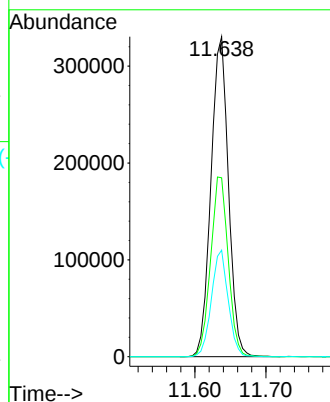
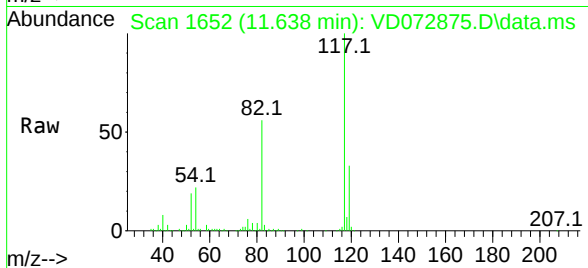




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

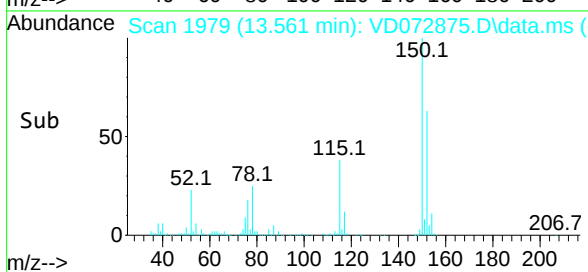
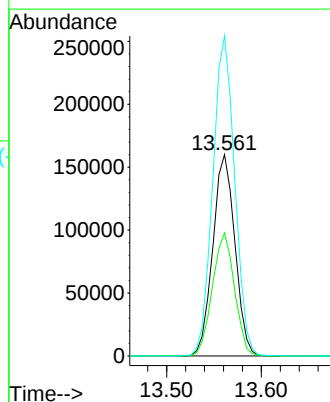
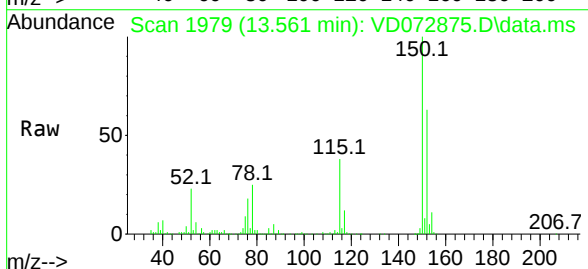
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-2

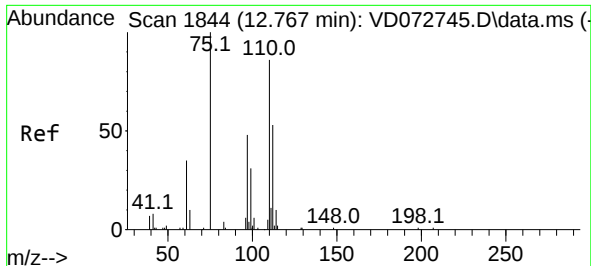
Tgt Ion:117 Resp: 563963
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 33.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion:152 Resp: 258756
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 157.9 0.0 348.6

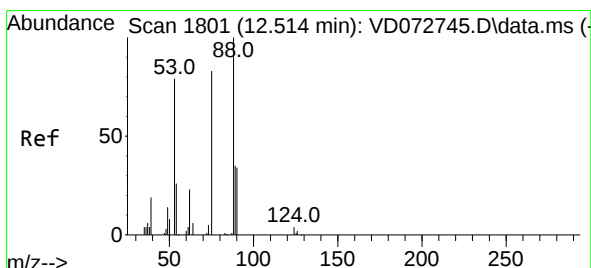
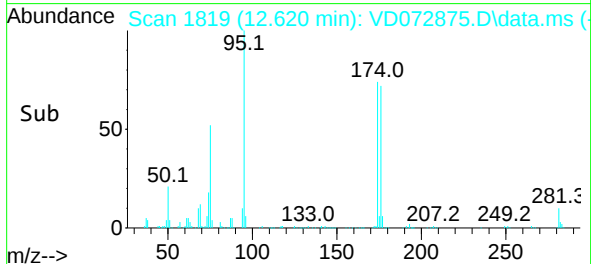
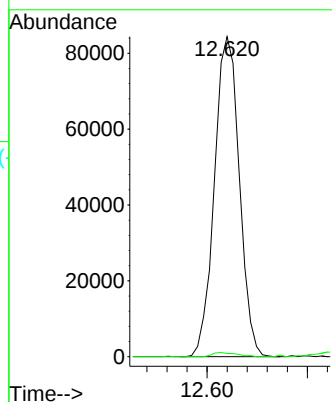
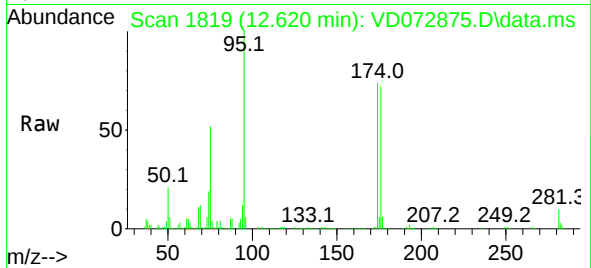




#76
1,2,3-Trichloropropane
Concen: 50.367 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-2

Tgt Ion: 75 Resp: 145324
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.824 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072875.D
Acq: 07 May 2022 03:55

Tgt Ion: 75 Resp: 145324
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#

