

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073996.D
 Acq On : 09 Aug 2022 14:46
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 01:07:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 01:05:43 2022
 Response via : Initial Calibration

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

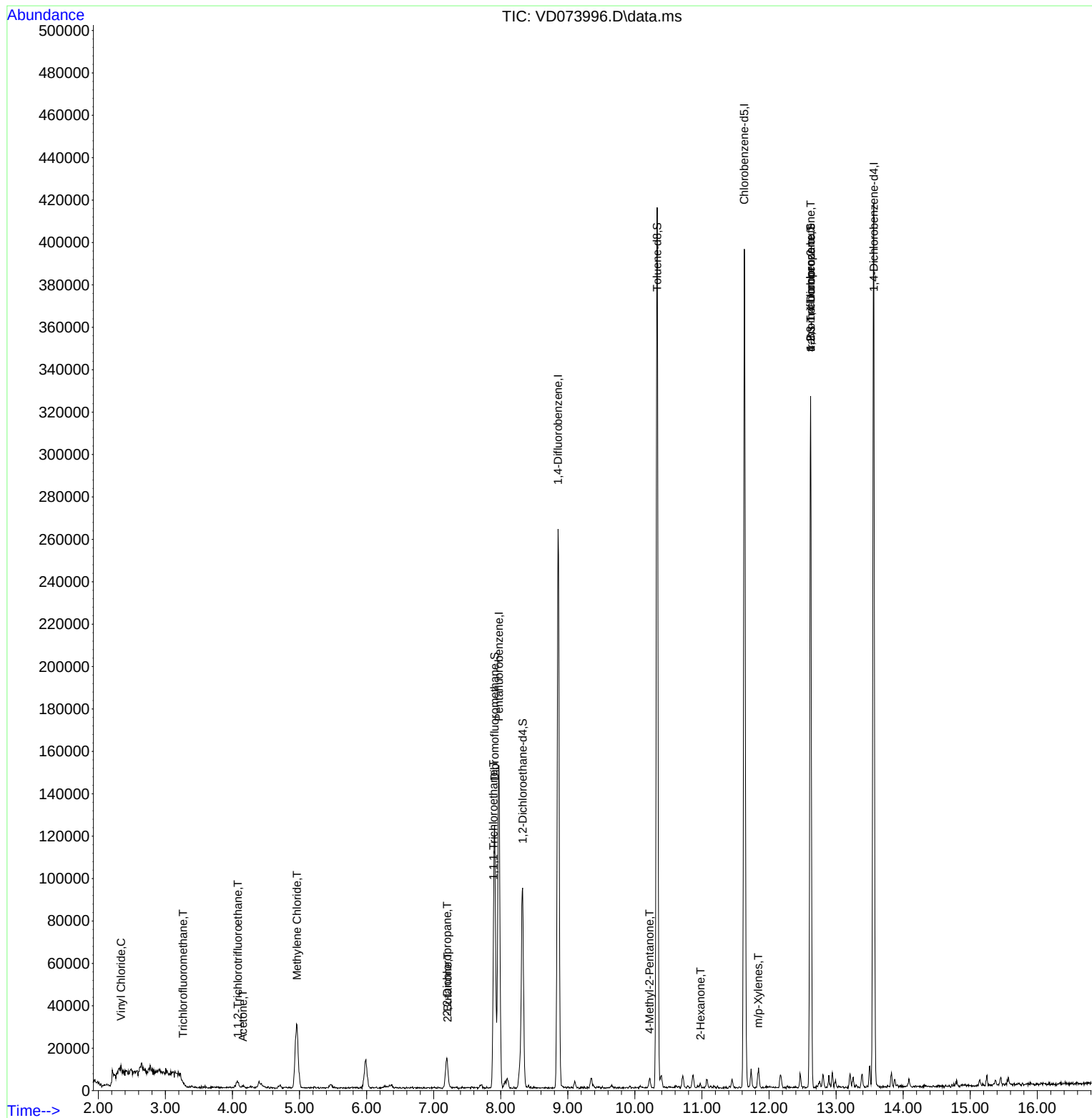
Internal Standards						
1) Pentafluorobenzene	7.973	168	108440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	228851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	225729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	105995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	74122	77.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 154.200%			
35) Dibromofluoromethane	7.909	113	85609	61.237	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.480%			
50) Toluene-d8	10.332	98	275672	66.754	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 133.500%			
62) 4-Bromofluorobenzene	12.620	95	98305	55.388	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	956	Below Cal		99
3) Chloromethane	2.209	50	2227	Below Cal		96
4) Vinyl Chloride	2.338	62	2046	1.114 ug/l #		77
5) Bromomethane	2.774	94	2526	Below Cal		88
7) Trichlorofluoromethane	3.262	101	2518	1.211 ug/l		94
9) 1,1,2-Trichlorotrifluo...	4.079	101	1575	1.419 ug/l #		67
11) Tert butyl alcohol	5.220	59	129	Below Cal #		74
16) Acetone	4.156	43	833	4.155 ug/l		91
17) Carbon Disulfide	4.397	76	5758	Below Cal		96
18) Methyl Acetate	4.868	43	61	Below Cal #		49
20) Methylene Chloride	4.962	84	25156	14.552 ug/l		93
25) 2-Butanone	7.209	43	860	2.829 ug/l #		46
26) 2,2-Dichloropropane	7.203	77	2722	1.372 ug/l #		58
31) Cyclohexane	7.973	56	4353	Below Cal #		72
32) 1,1,1-Trichloroethane	7.891	97	2250	1.062 ug/l #		50
51) 4-Methyl-2-Pentanone	10.220	43	3127	3.745 ug/l		94
59) 2-Hexanone	10.979	43	1449	2.560 ug/l		85
68) m/p-Xylenes	11.838	106	3022	1.008 ug/l		92
76) 1,2,3-Trichloropropane	12.620	75	53524	66.623 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	53524	143.190 ug/l #		13

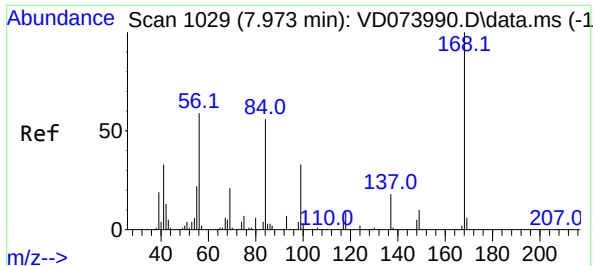
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
Data File : VD073996.D
Acq On : 09 Aug 2022 14:46
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

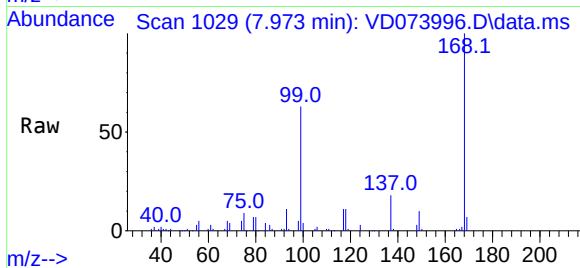
Quant Time: Aug 10 01:07:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 01:05:43 2022
Response via : Initial Calibration



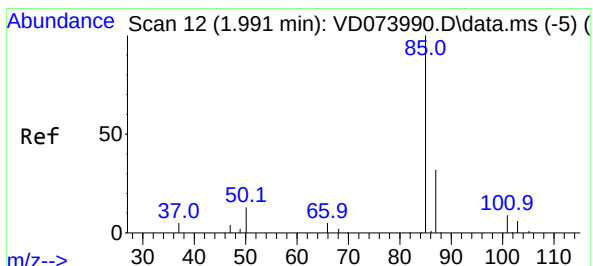
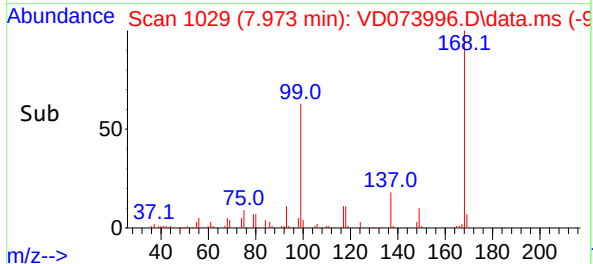
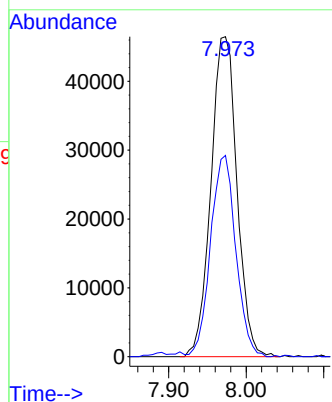


Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.973 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: VD073996.D
 Acq: 09 Aug 2022 14:46

Instrument :
 MSVOA_D
 ClientSampleId :

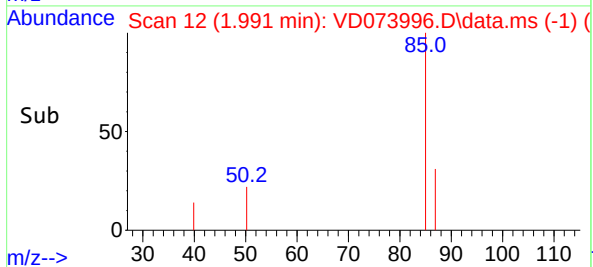
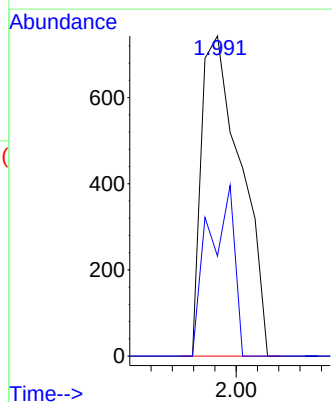
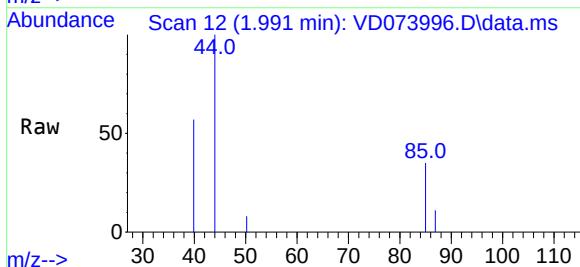


Tgt Ion:168 Resp: 108440
 Ion Ratio Lower Upper
 168 100
 99 62.9 48.3 72.5

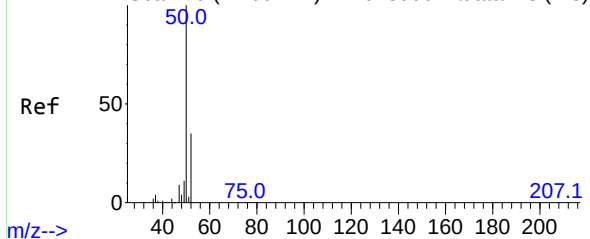


Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.991 min Scan# 12
 Delta R.T. 0.000 min
 Lab File: VD073996.D
 Acq: 09 Aug 2022 14:46

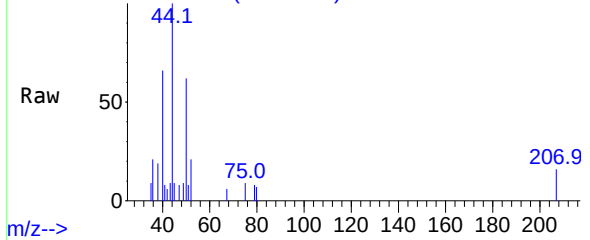
Tgt Ion: 85 Resp: 956
 Ion Ratio Lower Upper
 85 100
 87 31.2 16.0 47.9



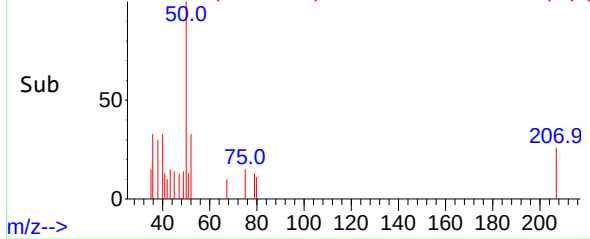
Abundance Scan 49 (2.209 min): VD073990.D\data.ms (-43)



Abundance Scan 49 (2.209 min): VD073996.D\data.ms



Abundance Scan 49 (2.209 min): VD073996.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

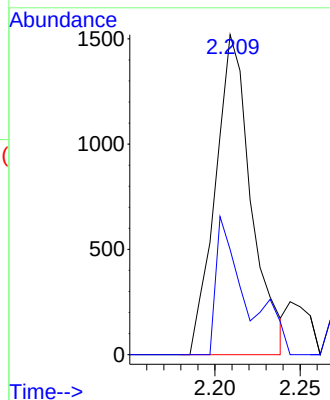
ClientSampleId :

Tgt Ion: 50 Resp: 2227

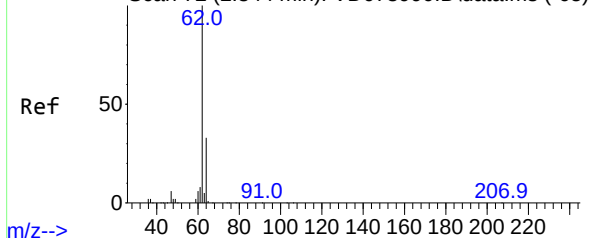
Ion Ratio Lower Upper

50 100

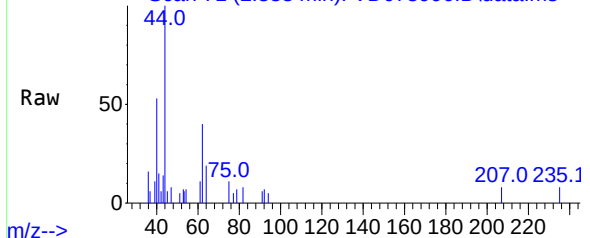
52 32.8 28.1 42.1



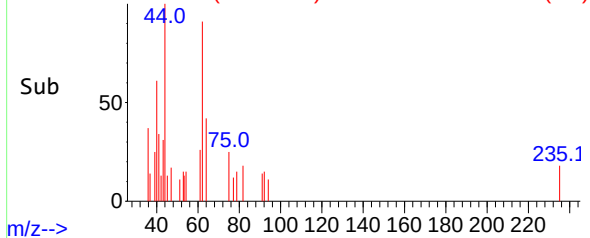
Abundance Scan 72 (2.344 min): VD073990.D\data.ms (-65)



Abundance Scan 71 (2.338 min): VD073996.D\data.ms



Abundance Scan 71 (2.338 min): VD073996.D\data.ms (-21)



#4

Vinyl Chloride

Concen: 1.114 ug/l

RT: 2.338 min Scan# 71

Delta R.T. -0.006 min

Lab File: VD073996.D

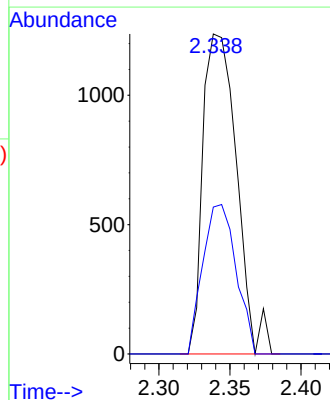
Acq: 09 Aug 2022 14:46

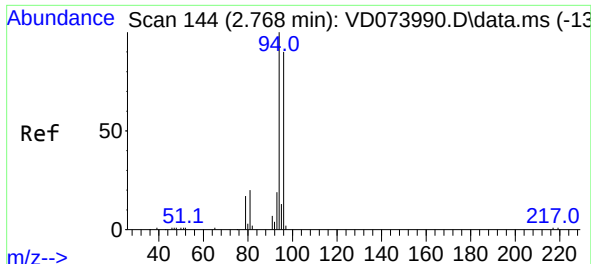
Tgt Ion: 62 Resp: 2046

Ion Ratio Lower Upper

62 100

64 45.9 26.2 39.4#

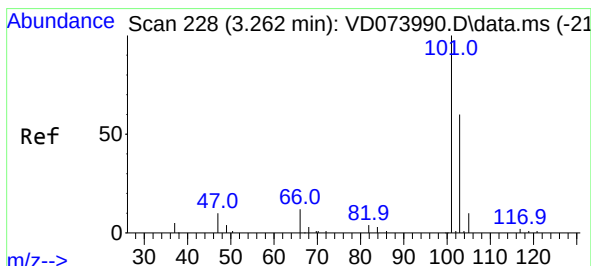
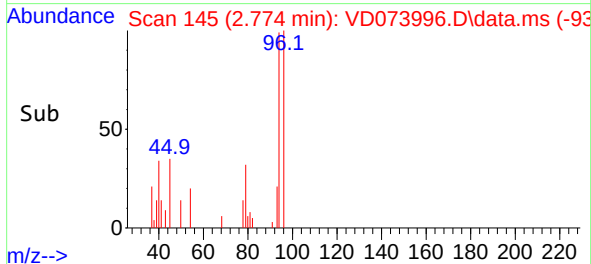
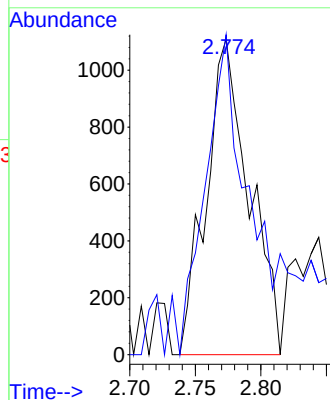
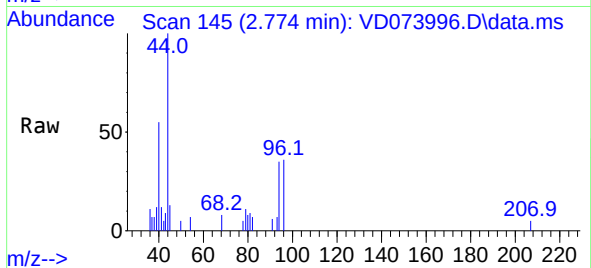




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

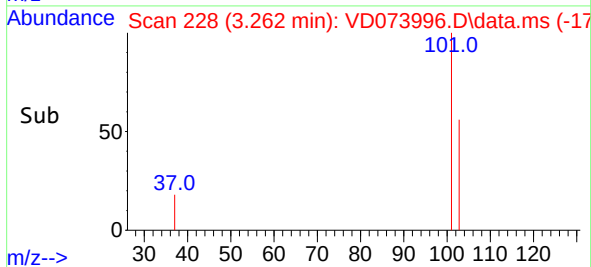
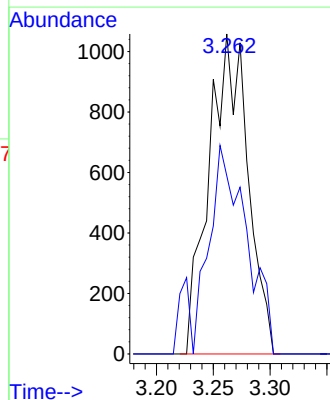
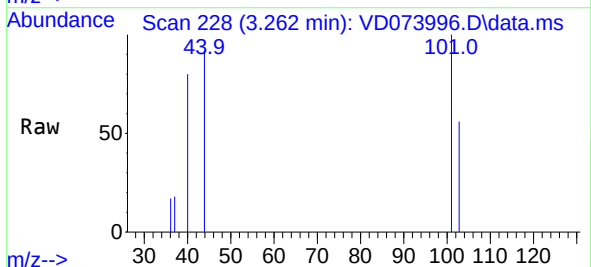
Instrument :
MSVOA_D
ClientSampleId :

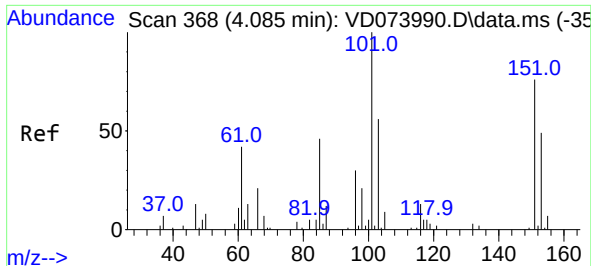
Tgt Ion: 94 Resp: 2526
Ion Ratio Lower Upper
94 100
96 101.4 72.0 108.0



#7
Trichlorofluoromethane
Concen: 1.211 ug/l
RT: 3.262 min Scan# 228
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion:101 Resp: 2518
Ion Ratio Lower Upper
101 100
103 55.7 48.2 72.2

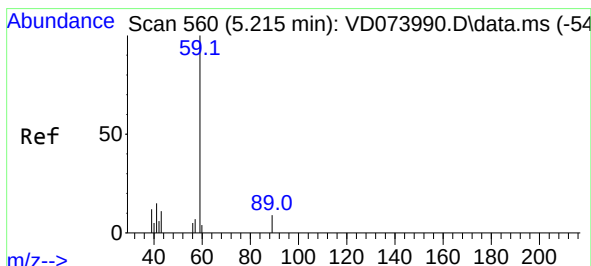
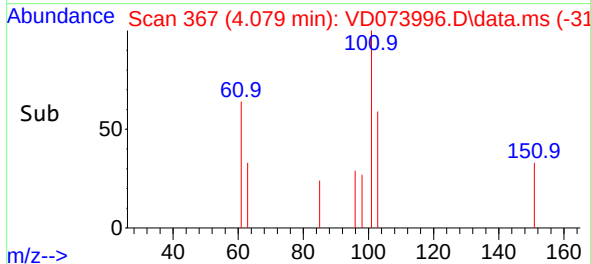
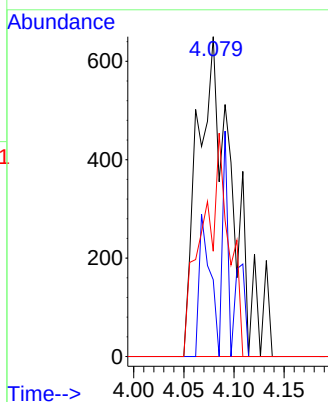
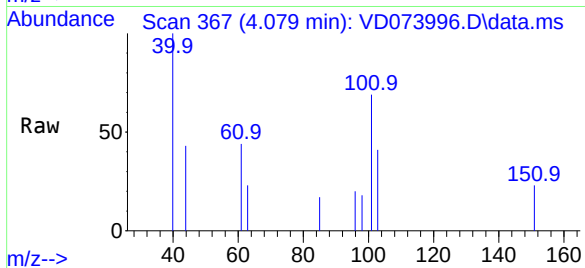




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.419 ug/l
RT: 4.079 min Scan# 30
Delta R.T. -0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

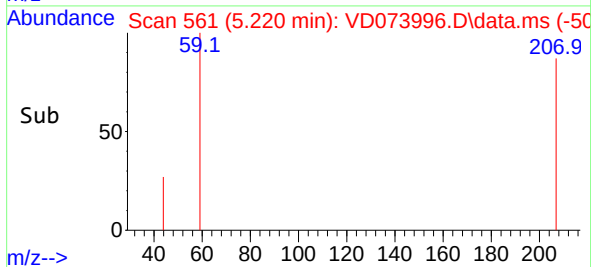
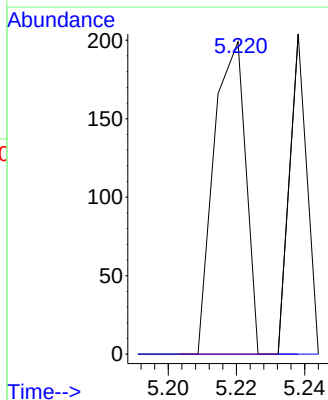
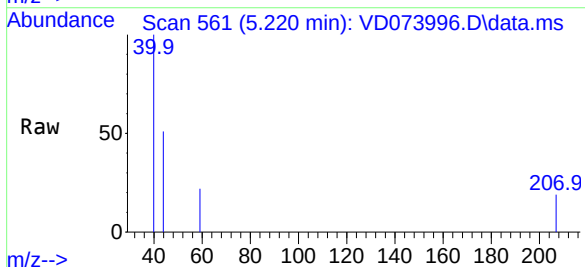
Instrument :
MSVOA_D
ClientSampleId :

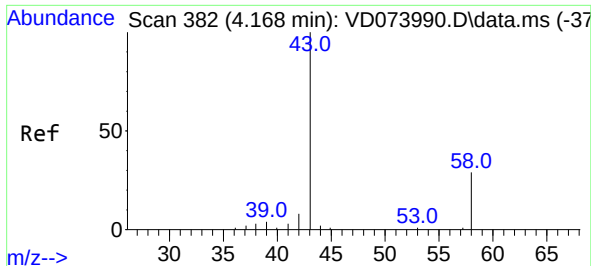
Tgt Ion:101 Resp: 1575
Ion Ratio Lower Upper
101 100
85 18.5 37.1 55.7#
151 52.1 60.7 91.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

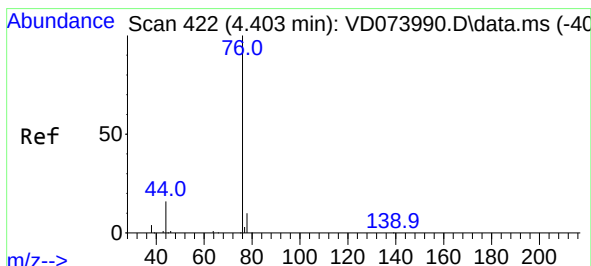
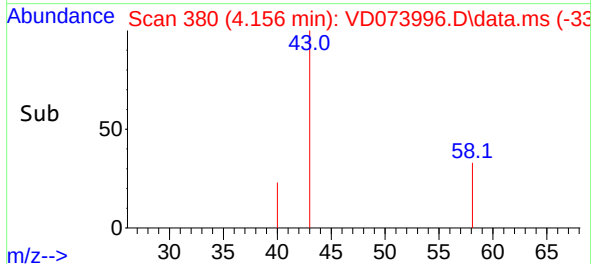
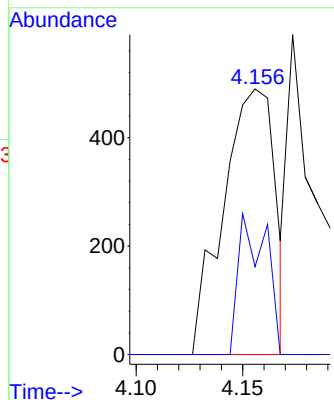
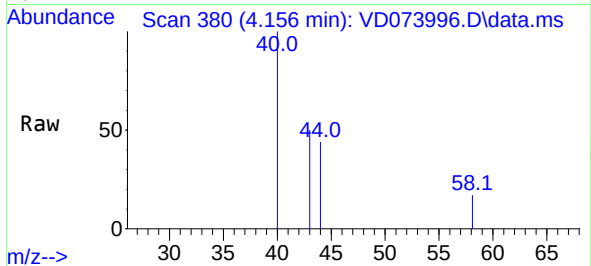




#16
Acetone
Concen: 4.155 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.012 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

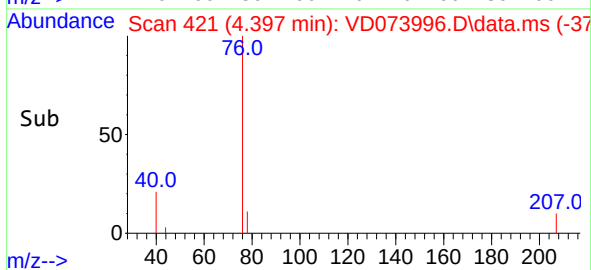
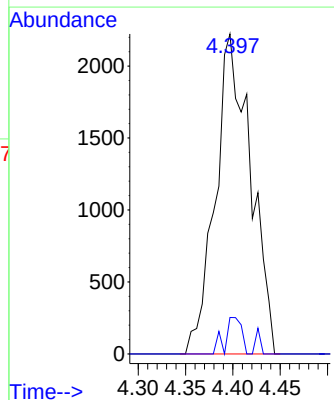
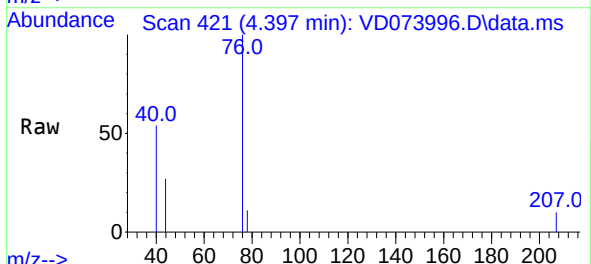
Instrument :
MSVOA_D
ClientSampleId :

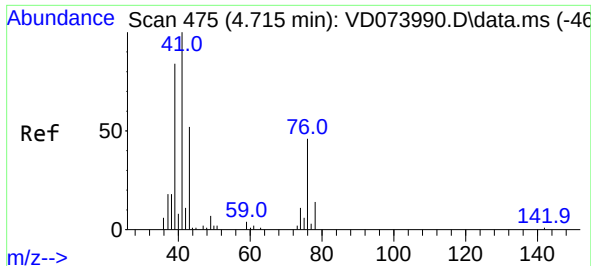
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 33.1 22.8 34.2



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 76 Resp: 5758
Ion Ratio Lower Upper
76 100
78 11.4 7.9 11.9





#18

Methyl Acetate

Concen: Below Cal

RT: 4.868 min Scan# 501

Delta R.T. 0.153 min

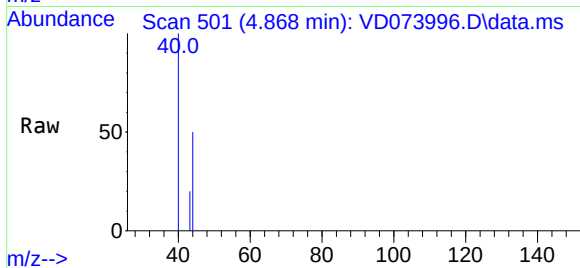
Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

ClientSampleId :

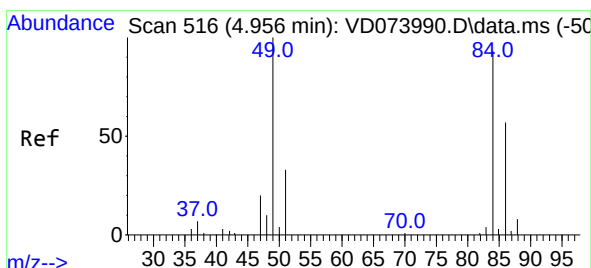
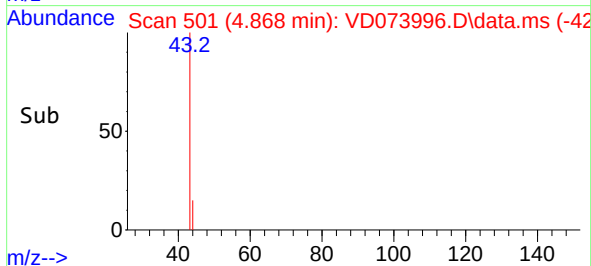
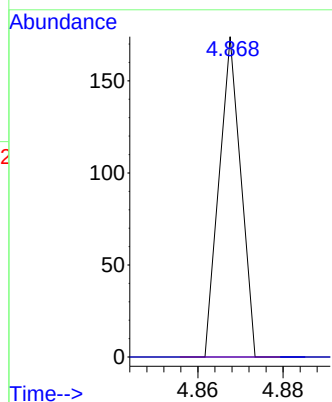


Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.4#



#20

Methylene Chloride

Concen: 14.552 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.006 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Tgt Ion: 84 Resp: 25156

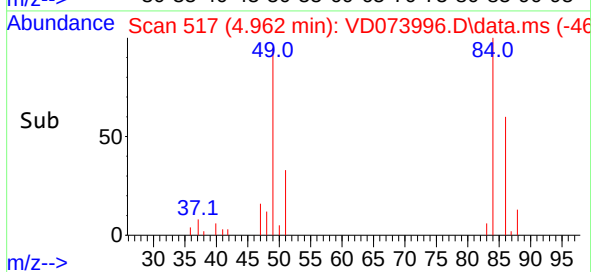
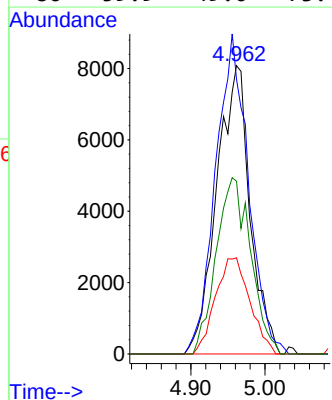
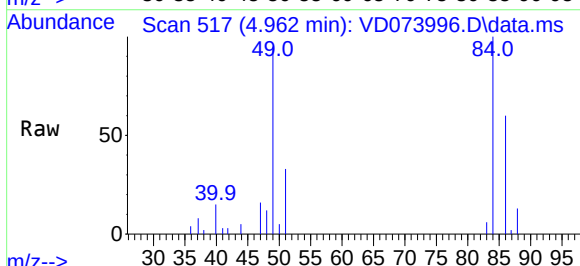
Ion Ratio Lower Upper

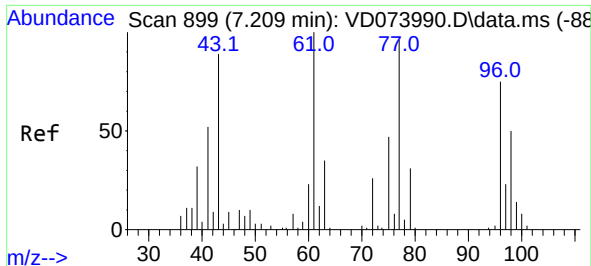
84 100

49 95.3 85.8 128.6

51 33.4 28.0 42.0

86 59.9 49.0 73.4





#25

2-Butanone

Concen: 2.829 ug/l

RT: 7.209 min Scan# 899

Delta R.T. 0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

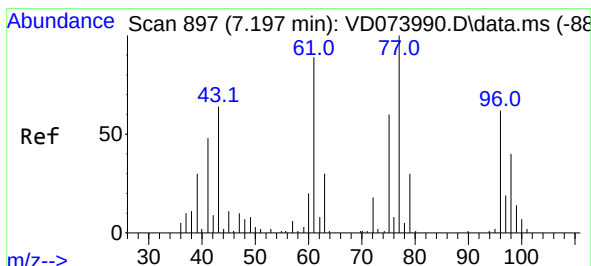
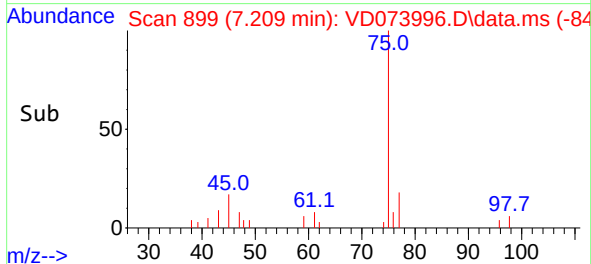
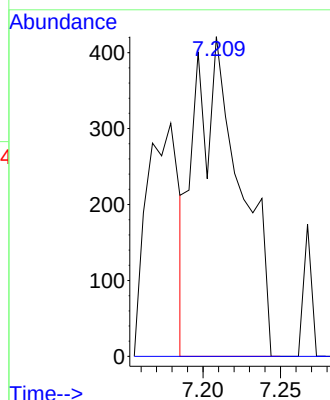
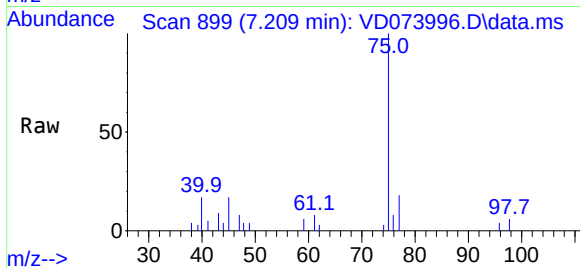
ClientSampleId :

Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 1.372 ug/l

RT: 7.203 min Scan# 898

Delta R.T. 0.006 min

Lab File: VD073996.D

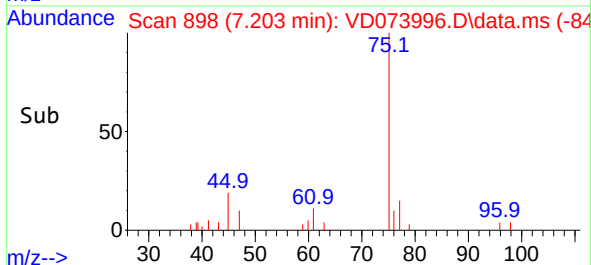
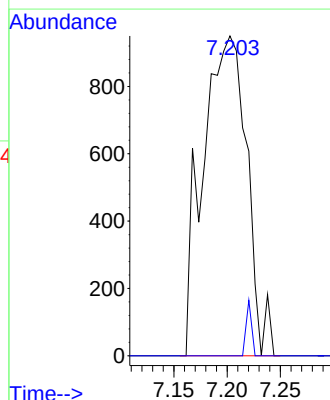
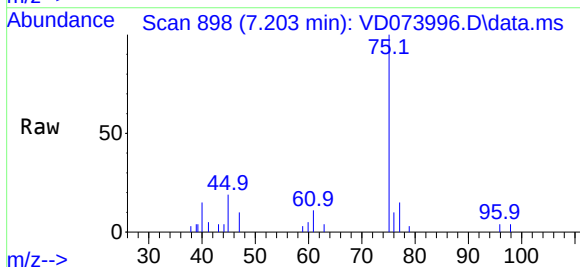
Acq: 09 Aug 2022 14:46

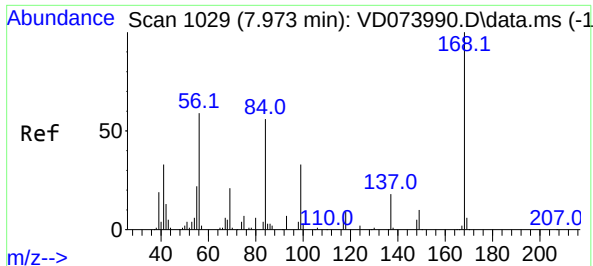
Tgt Ion: 77 Resp: 2722

Ion Ratio Lower Upper

77 100

97 2.1 11.2 33.5#





#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

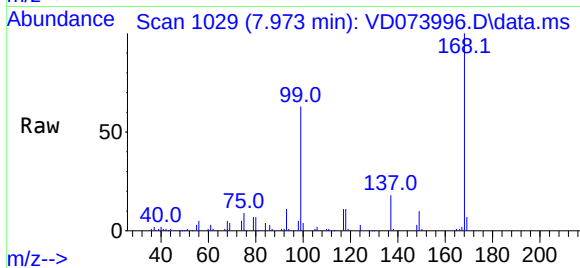
Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

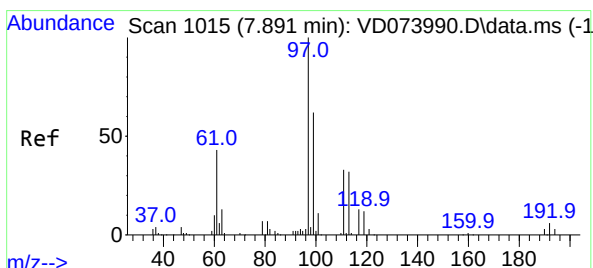
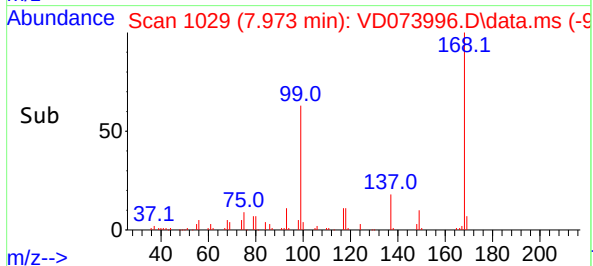
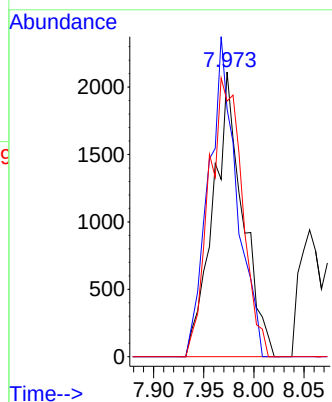
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	4353
Ion	Ratio	Lower	Upper
56	100		
69	87.0	27.9	41.9#
84	89.8	75.8	113.6



#32

1,1,1-Trichloroethane

Concen: 1.062 ug/l

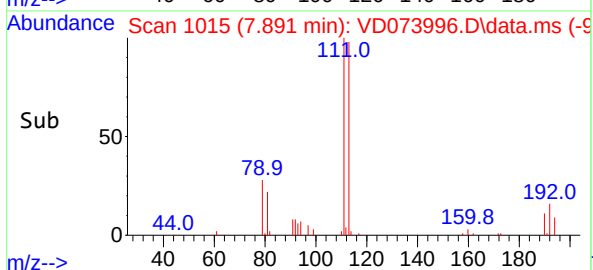
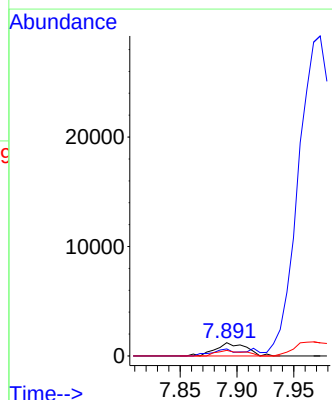
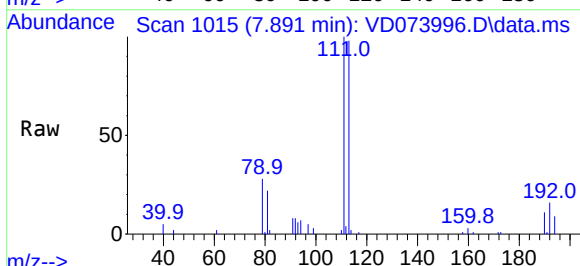
RT: 7.891 min Scan# 1015

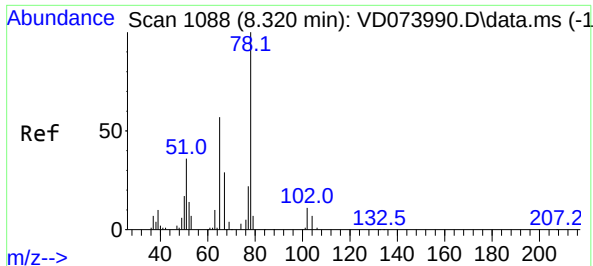
Delta R.T. 0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Tgt Ion:	97	Resp:	2250
Ion	Ratio	Lower	Upper
97	100		
99	0.0	49.8	74.6#
61	38.5	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 77.097 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

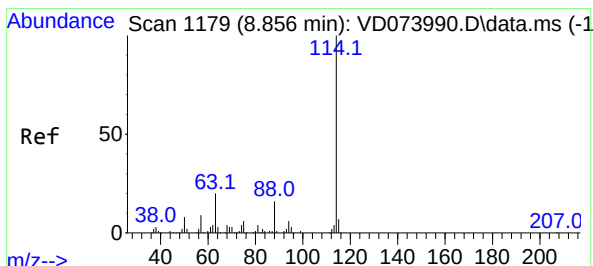
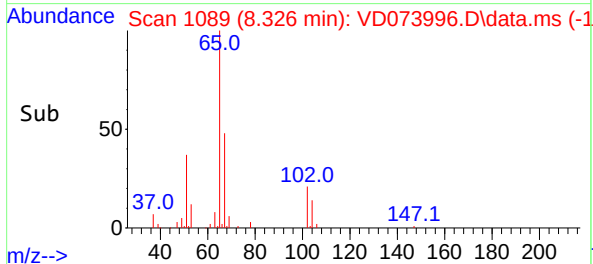
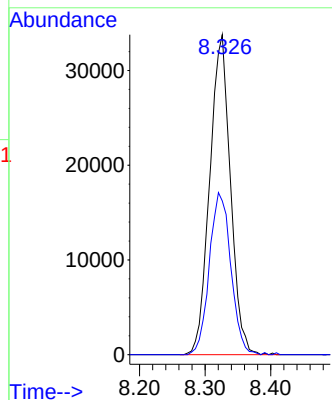
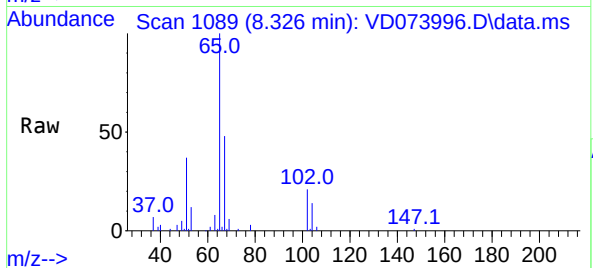
ClientSampleId :

Tgt Ion: 65 Resp: 74122

Ion Ratio Lower Upper

65 100

67 52.5 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

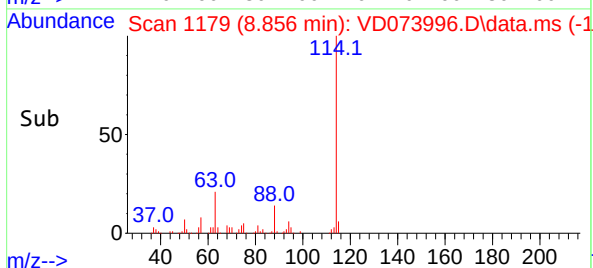
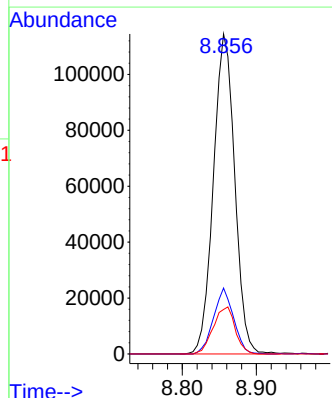
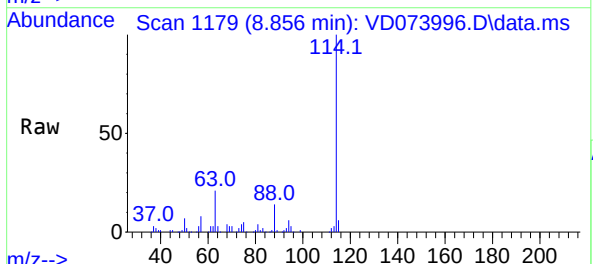
Tgt Ion: 114 Resp: 228851

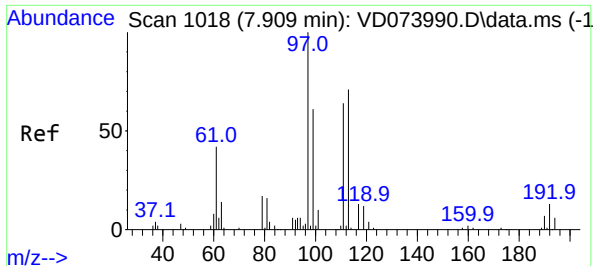
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

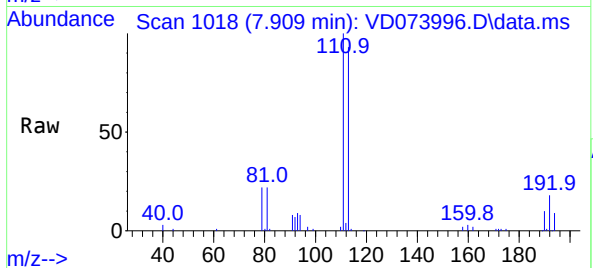
88 13.9 0.0 31.6



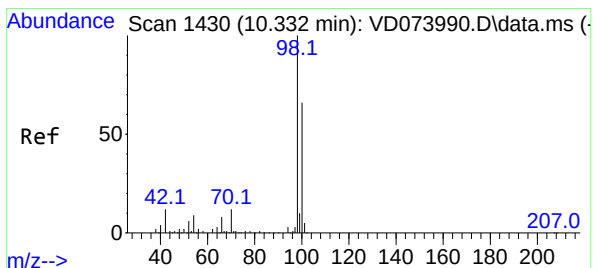
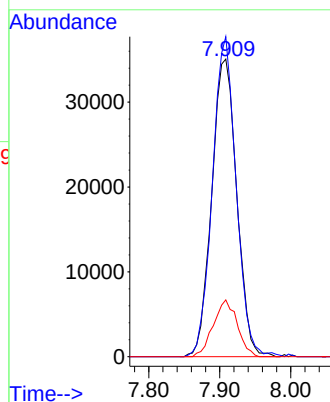
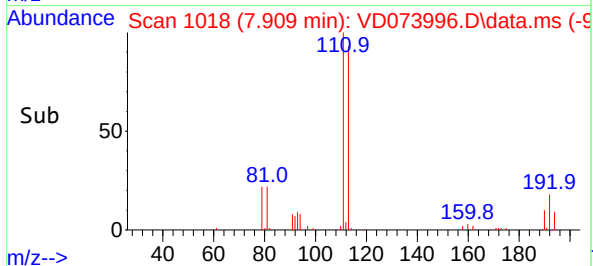


#35
Dibromofluoromethane
Concen: 61.237 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Instrument :
MSVOA_D
ClientSampleId :

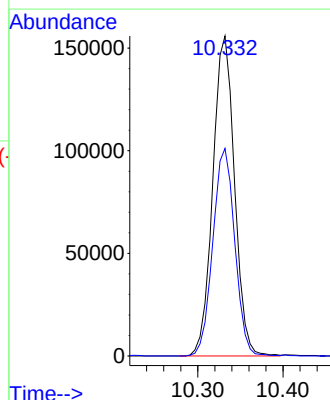
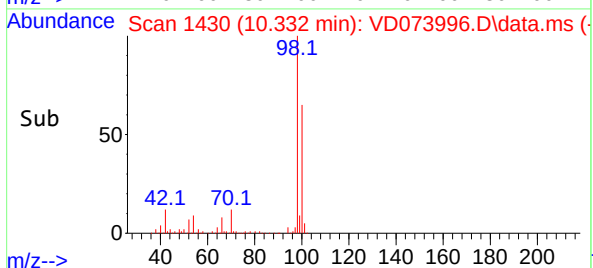
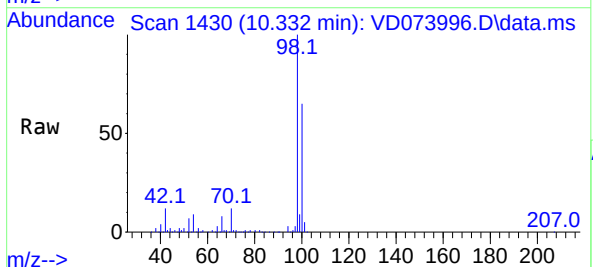


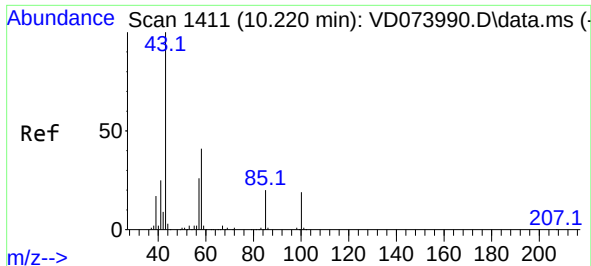
Tgt Ion:113 Resp: 85609
Ion Ratio Lower Upper
113 100
111 102.1 80.0 120.0
192 18.3 14.2 21.4



#50
Toluene-d8
Concen: 66.754 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 98 Resp: 275672
Ion Ratio Lower Upper
98 100
100 65.5 51.3 76.9

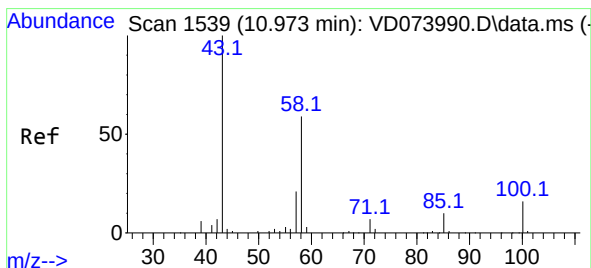
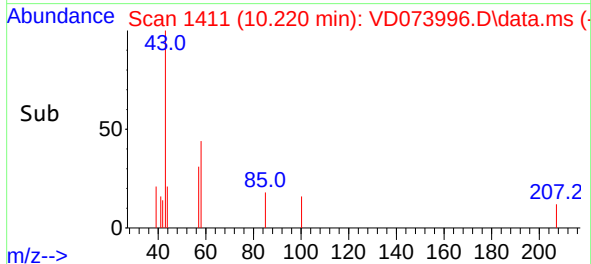
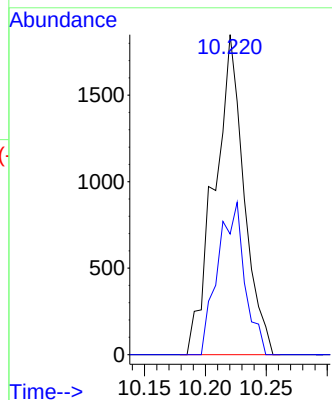
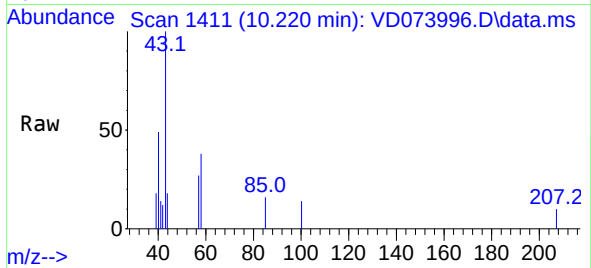




#51
4-Methyl-2-Pentanone
Concen: 3.745 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

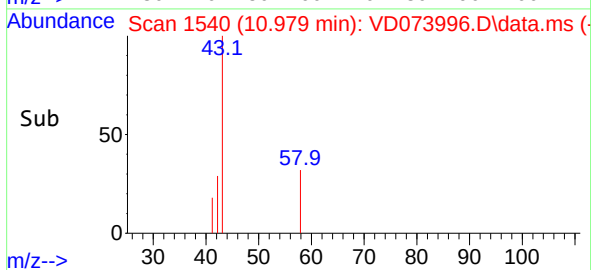
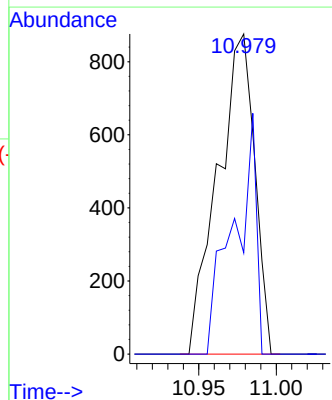
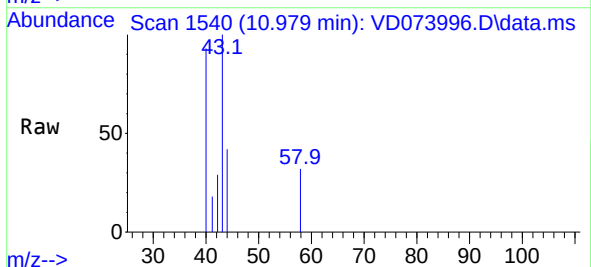
Instrument :
MSVOA_D
ClientSampleId :

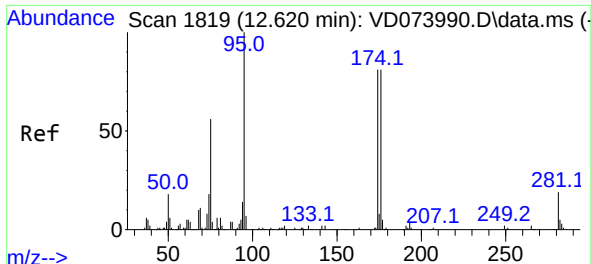
Tgt Ion: 43 Resp: 3127
Ion Ratio Lower Upper
43 100
58 43.3 31.7 47.5



#59
2-Hexanone
Concen: 2.560 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
58 45.8 28.2 84.6

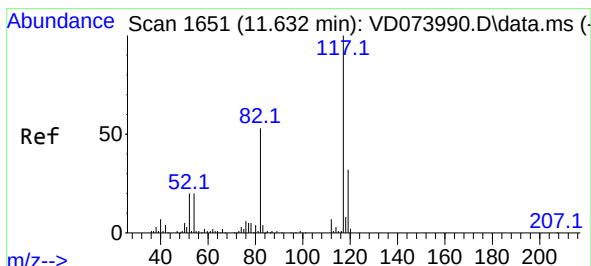
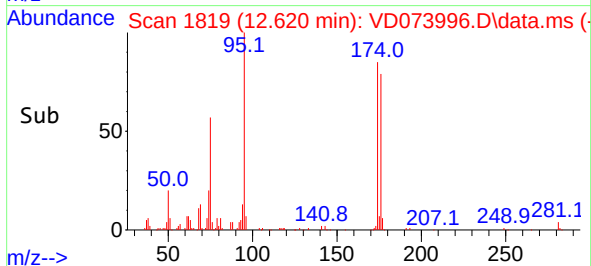
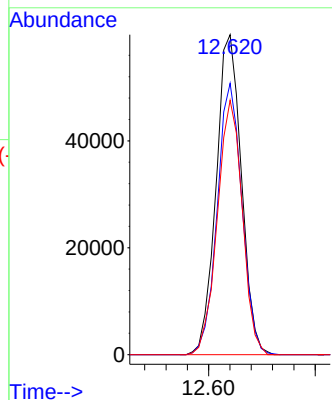
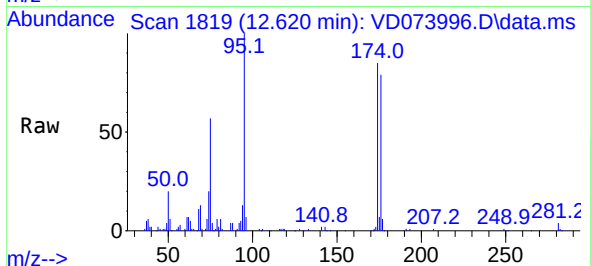




#62
4-Bromofluorobenzene
Concen: 55.388 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

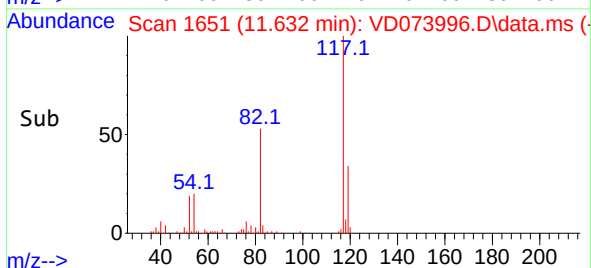
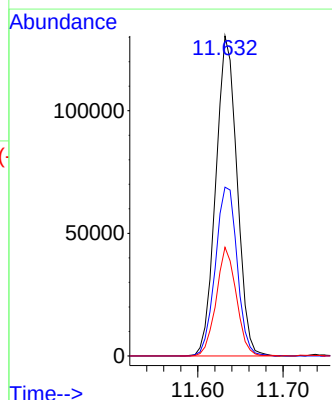
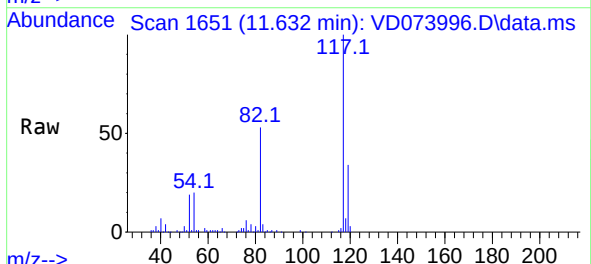
Instrument :
MSVOA_D
ClientSampleId :

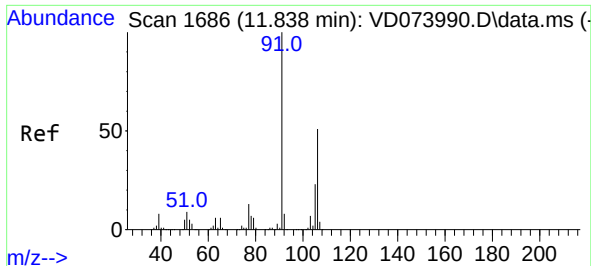
Tgt Ion: 95 Resp: 98305
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.6
176 78.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 117 Resp: 225729
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 34.0 25.8 38.8

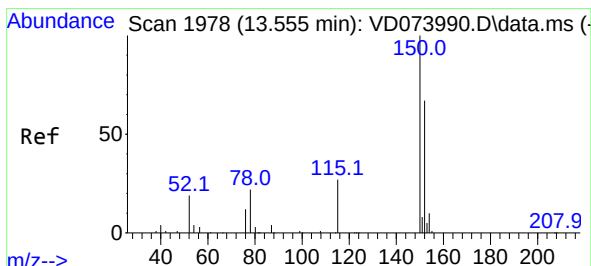
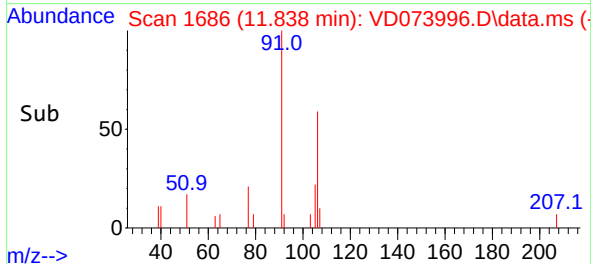
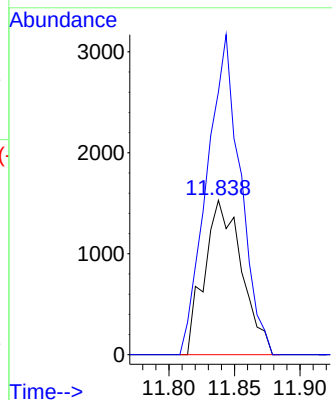
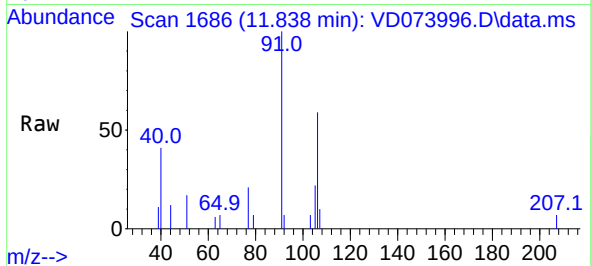




#68
m/p-Xylenes
Concen: 1.008 ug/l
RT: 11.838 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

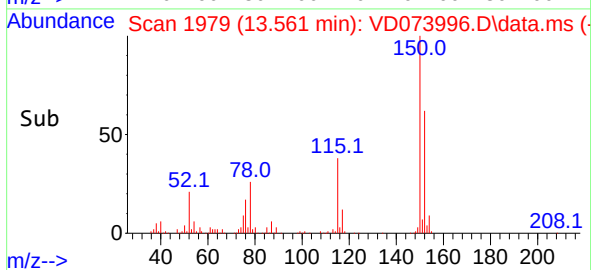
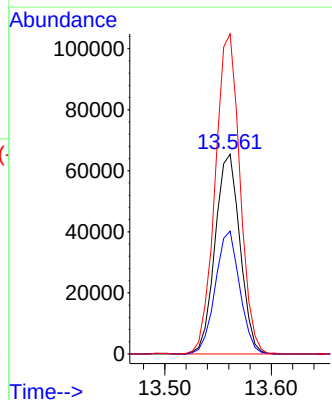
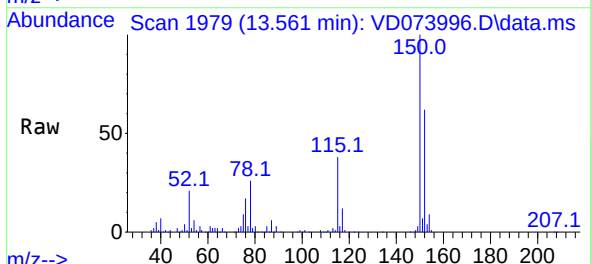
Instrument :
MSVOA_D
ClientSampleId :

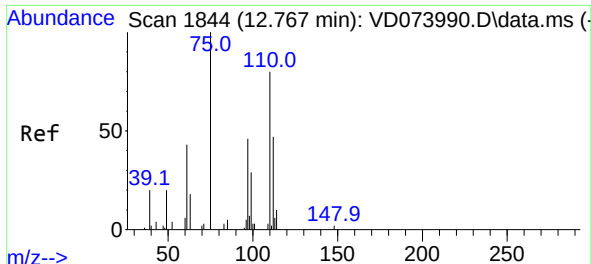
Tgt Ion:106 Resp: 3022
Ion Ratio Lower Upper
106 100
91 187.3 159.2 238.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion:152 Resp: 105995
Ion Ratio Lower Upper
152 100
115 60.5 29.9 89.8
150 159.4 0.0 342.8

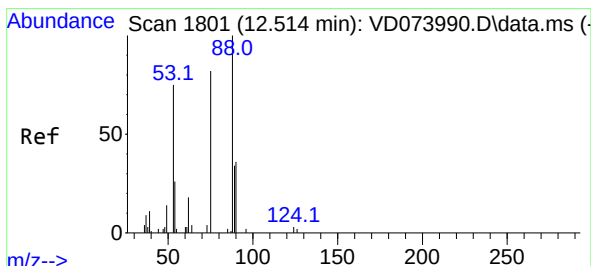
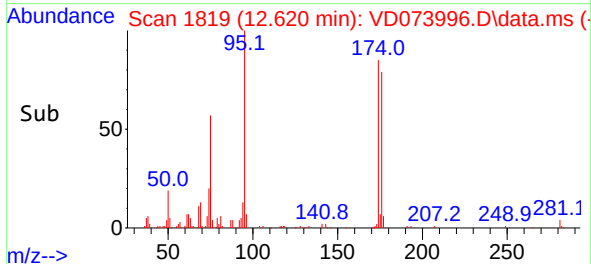
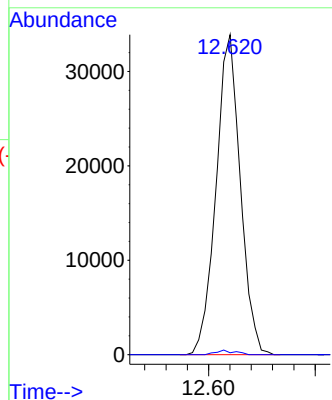
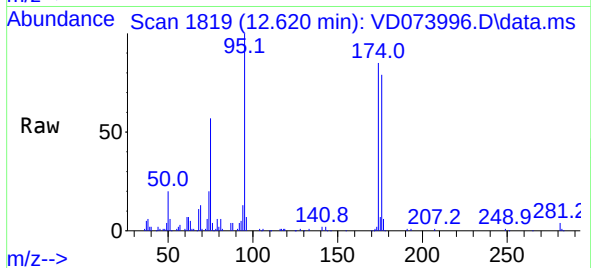




#76
1,2,3-Trichloropropane
Concen: 66.623 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 53524
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.190 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 75 Resp: 53524
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 38.3 57.5#

