

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080522\
 Data File : VD073970.D
 Acq On : 05 Aug 2022 17:30
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Aug 06 00:37:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:36:42 2022
 Response via : Initial Calibration

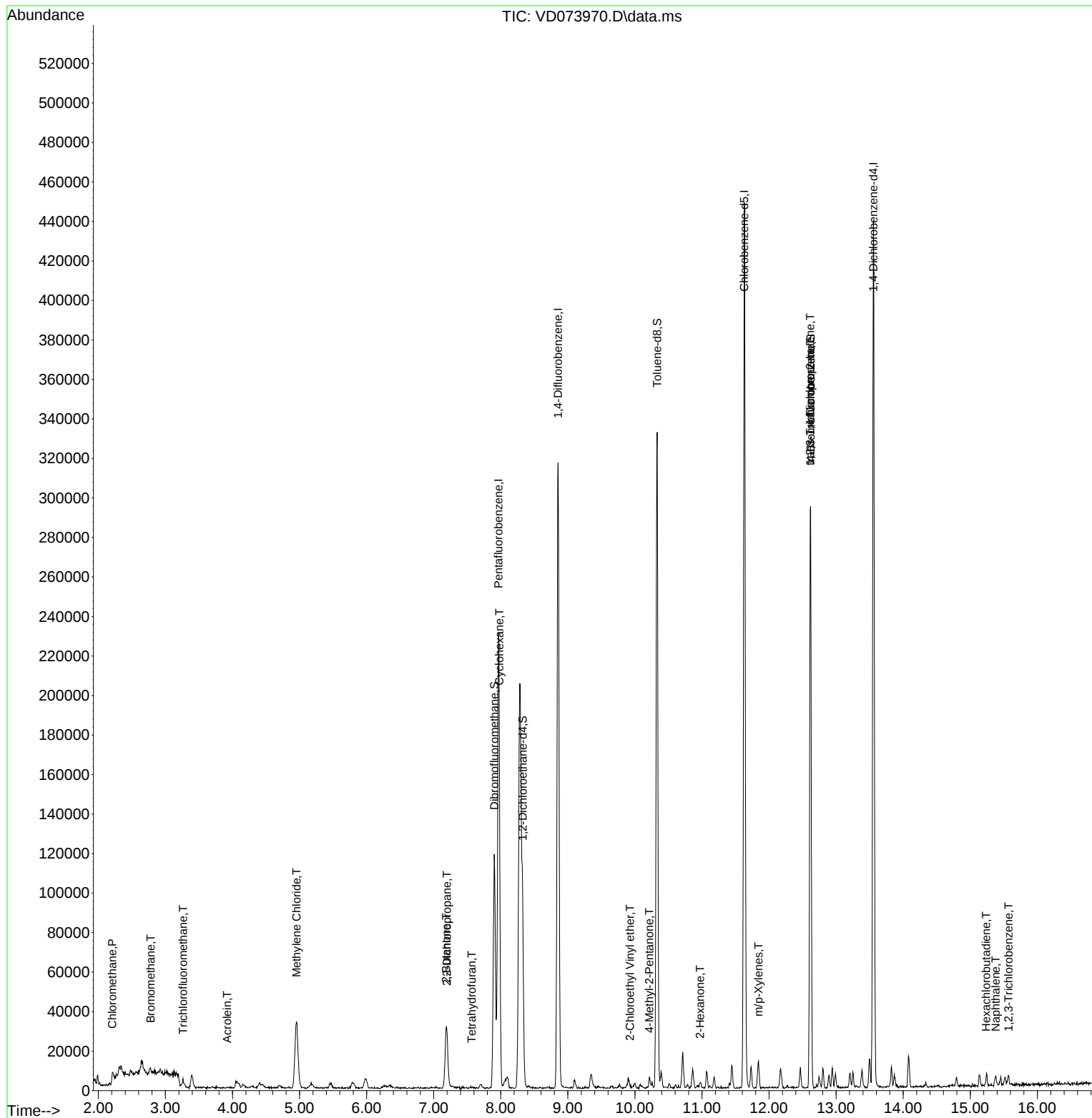
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.967	168	161893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	280294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	254017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	114375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	70137	57.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.480%
35) Dibromofluoromethane	7.903	113	79089	45.800	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.600%
50) Toluene-d8	10.332	98	228421	47.883	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.760%
62) 4-Bromofluorobenzene	12.620	95	86671	37.660	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2990	Below Cal		81
3) Chloromethane	2.209	50	2998	1.264	ug/l	90
5) Bromomethane	2.779	94	3460	1.561	ug/l	89
7) Trichlorofluoromethane	3.262	101	3778	1.225	ug/l	98
11) Tert butyl alcohol	5.191	59	367	Below Cal	#	86
13) Acrolein	3.920	56	57	32.121	ug/l #	67
16) Acetone	4.167	43	3284	Below Cal	#	85
18) Methyl Acetate	4.879	43	55	Below Cal	#	47
20) Methylene Chloride	4.956	84	26932	4.153	ug/l	92
25) 2-Butanone	7.185	43	1655	3.993	ug/l #	85
26) 2,2-Dichloropropane	7.197	77	3467	1.158	ug/l #	58
29) Tetrahydrofuran	7.567	42	275	1.123	ug/l #	49
31) Cyclohexane	7.979	56	6168	2.237	ug/l #	74
51) 4-Methyl-2-Pentanone	10.214	43	3564	3.616	ug/l #	80
58) 2-Chloroethyl Vinyl ether	9.926	63	445	17.674	ug/l #	43
59) 2-Hexanone	10.973	43	1956	2.996	ug/l	79
68) m/p-Xylenes	11.844	106	3817	1.057	ug/l	90
76) 1,2,3-Trichloropropane	12.614	75	46756	44.362	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	46756	111.376	ug/l #	11
94) Hexachlorobutadiene	15.237	225	1286	1.177	ug/l	91
95) Naphthalene	15.379	128	5135	1.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	1952	1.092	ug/l	98

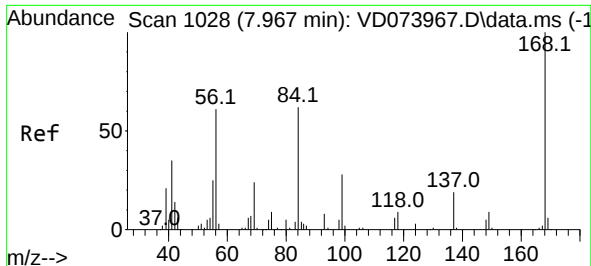
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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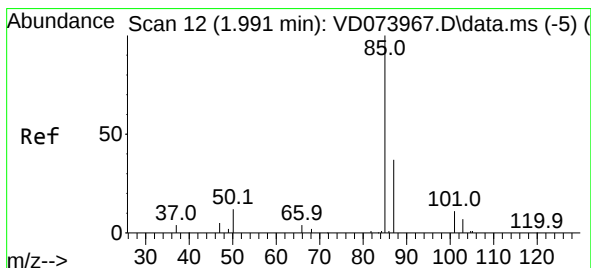
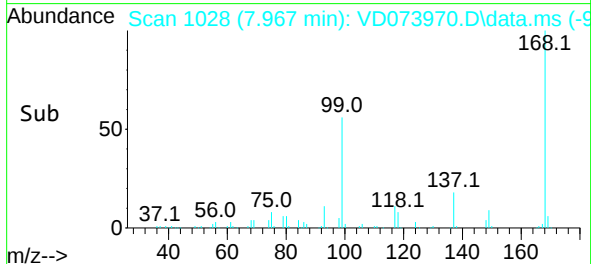
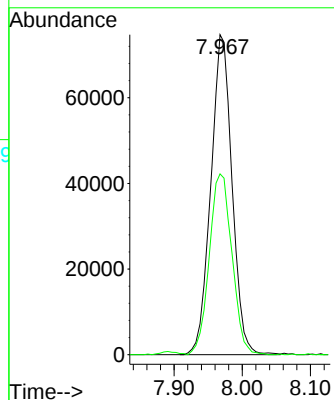
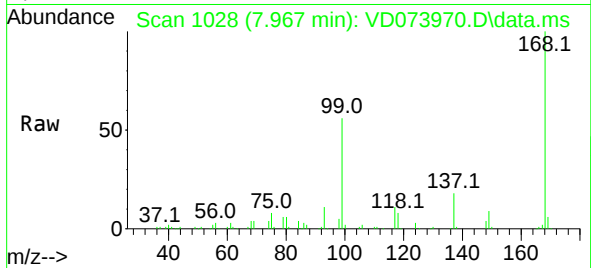




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

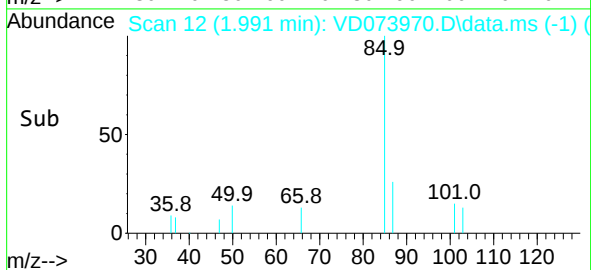
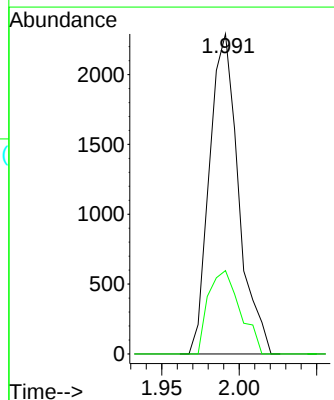
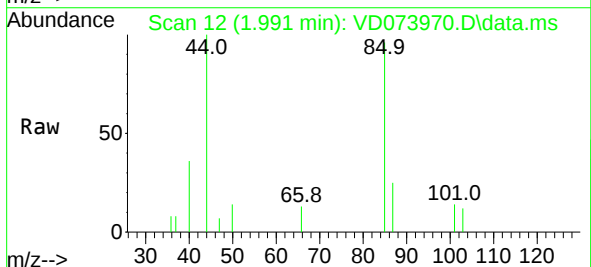
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

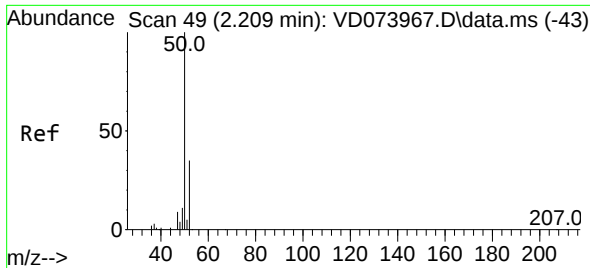
Tgt Ion:168 Resp: 161893
Ion Ratio Lower Upper
168 100
99 56.3 46.2 69.4



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 85 Resp: 2990
Ion Ratio Lower Upper
85 100
87 26.1 18.7 56.1

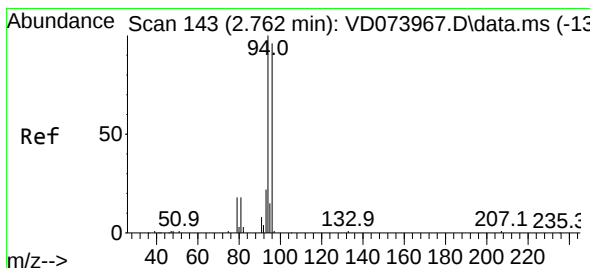
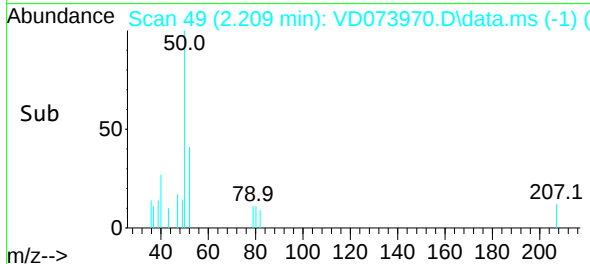
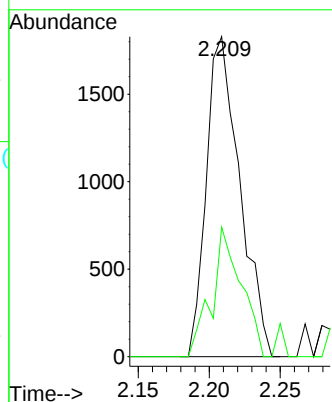
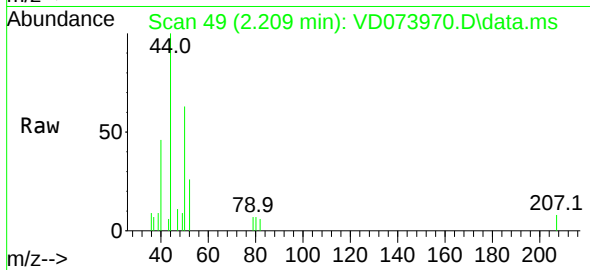




#3
Chloromethane
Concen: 1.264 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

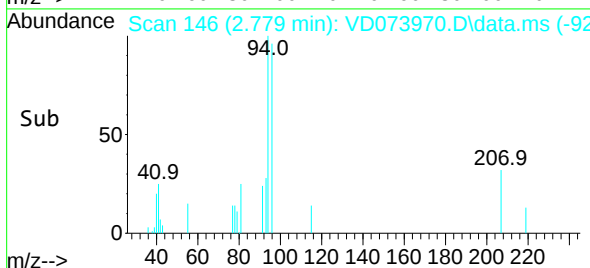
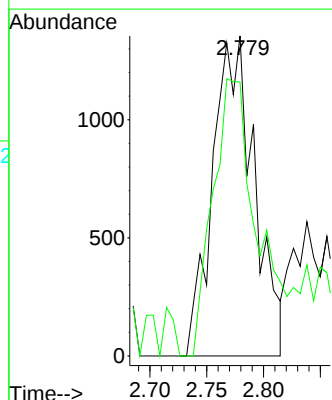
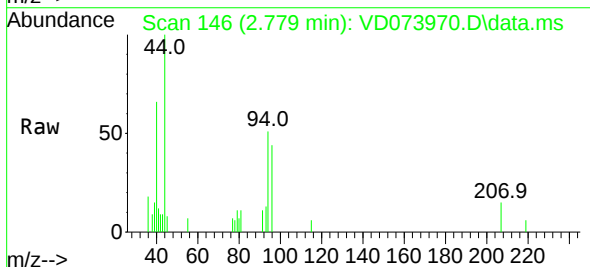
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

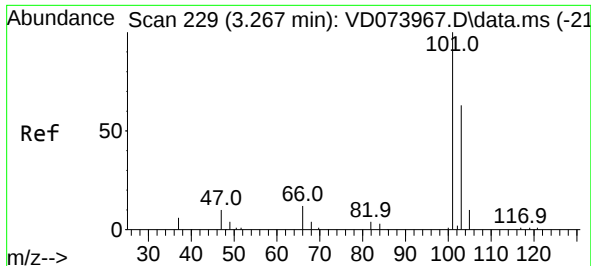
Tgt Ion: 50 Resp: 2998
Ion Ratio Lower Upper
50 100
52 40.5 27.7 41.5



#5
Bromomethane
Concen: 1.561 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 94 Resp: 3460
Ion Ratio Lower Upper
94 100
96 85.6 77.0 115.6

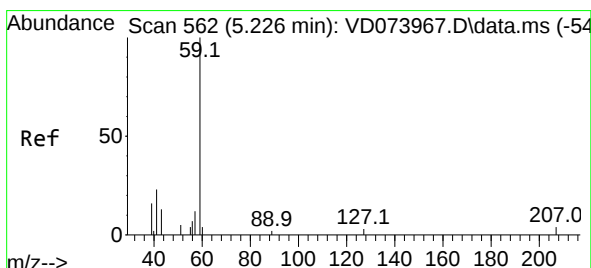
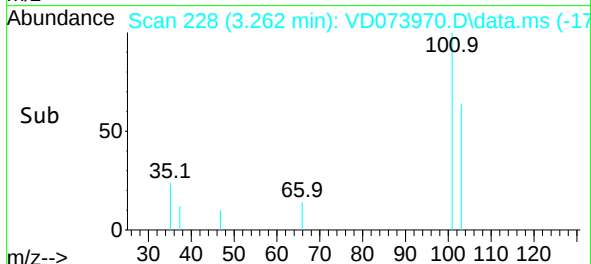
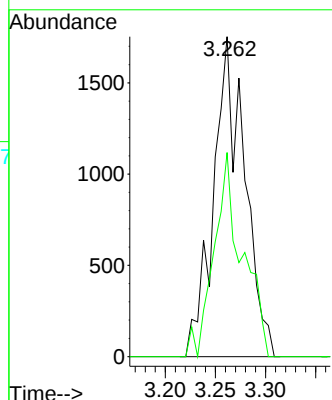
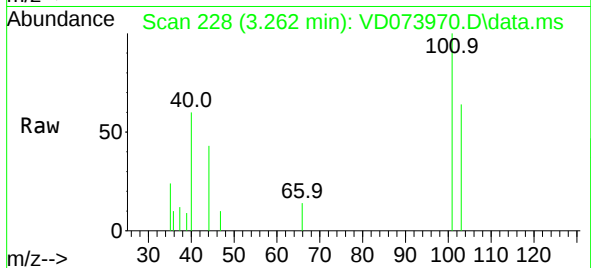




#7
Trichlorofluoromethane
Concen: 1.225 ug/l
RT: 3.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

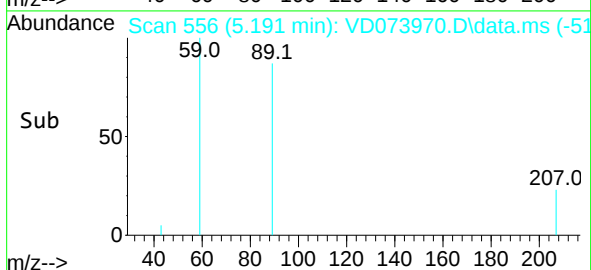
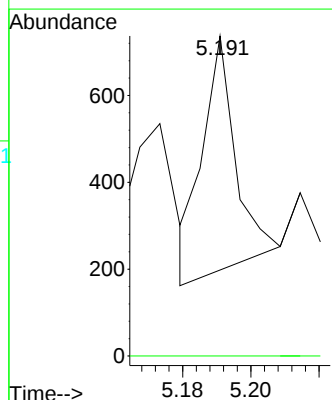
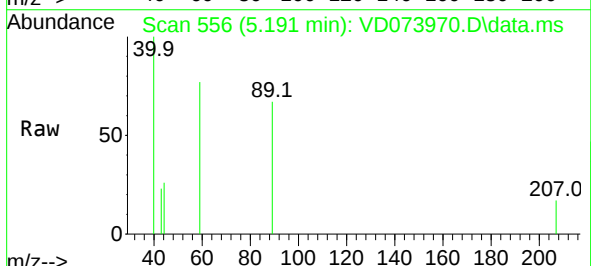
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

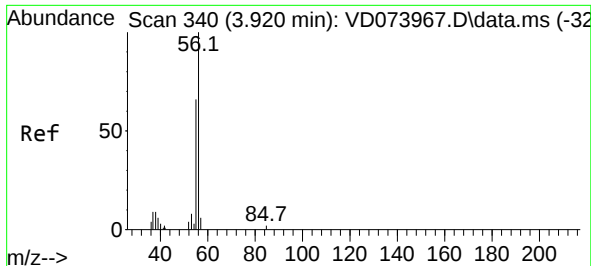
Tgt Ion:101 Resp: 3778
Ion Ratio Lower Upper
101 100
103 63.8 50.0 75.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.035 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 3.8 5.6#





#13

Acrolein

Concen: 32.121 ug/l

RT: 3.920 min Scan# 340

Delta R.T. 0.000 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

Instrument :

MSVOA_D

ClientSampleId :

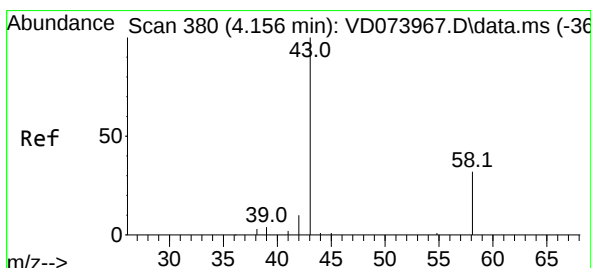
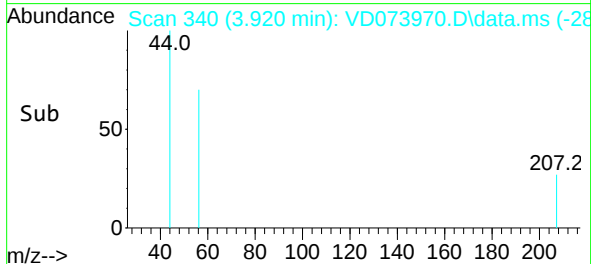
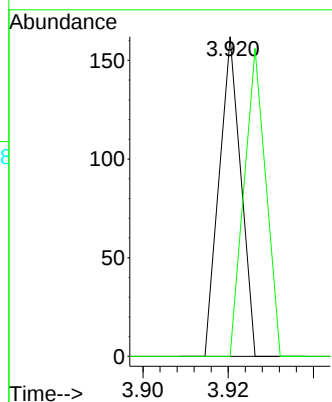
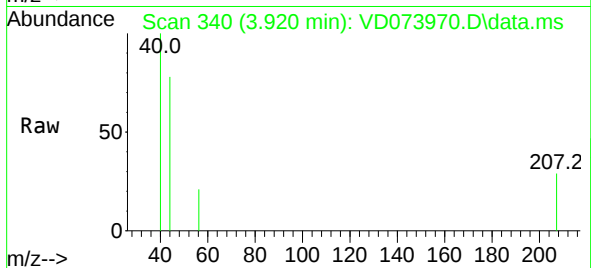
VIBLK

Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 96.5 55.8 83.6#



#16

Acetone

Concen: Below Cal

RT: 4.167 min Scan# 382

Delta R.T. 0.011 min

Lab File: VD073970.D

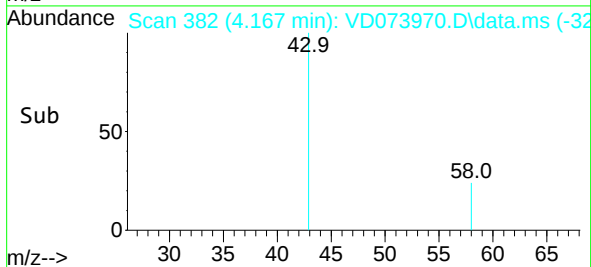
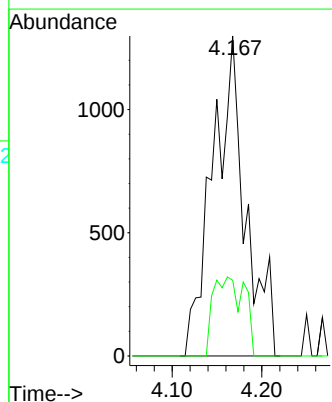
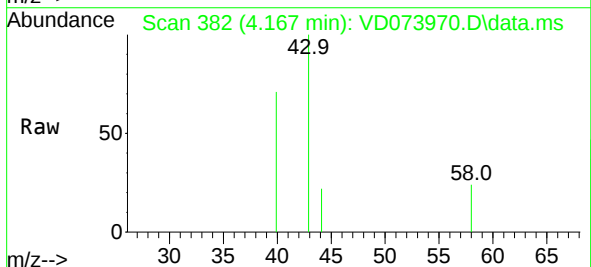
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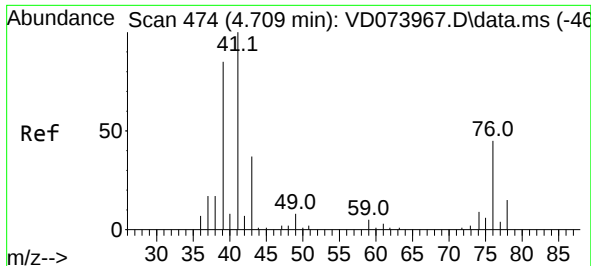
Tgt Ion: 43 Resp: 3284

Ion Ratio Lower Upper

43 100

58 23.6 25.4 38.0#

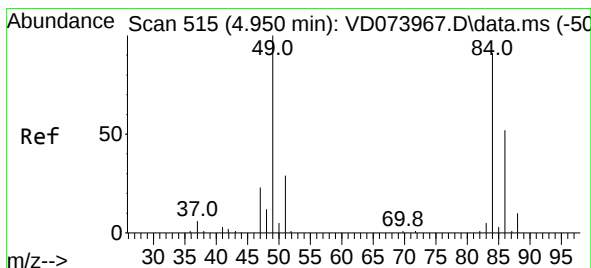
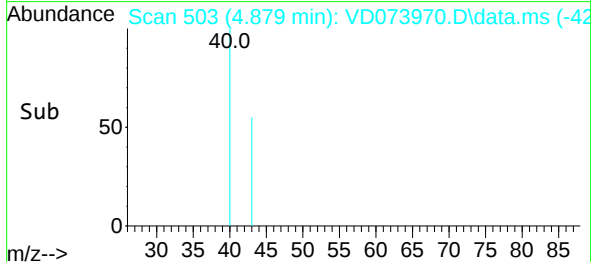
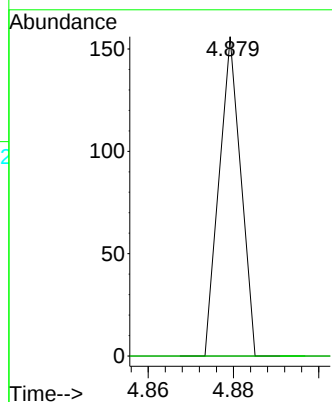
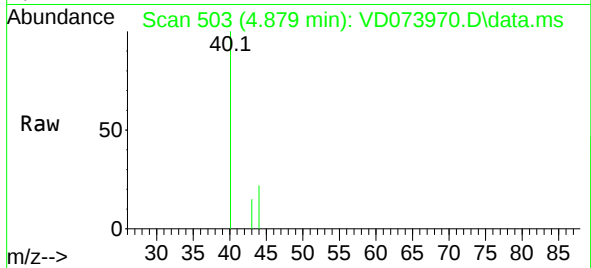




#18
Methyl Acetate
Concen: Below Cal
RT: 4.879 min Scan# 50
Delta R.T. 0.170 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

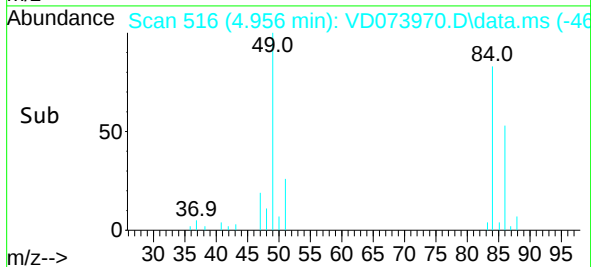
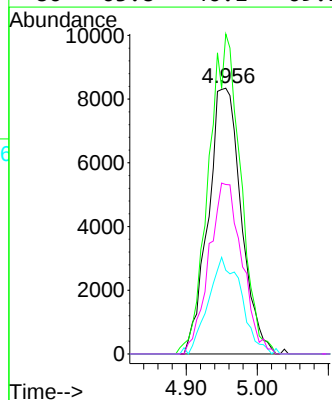
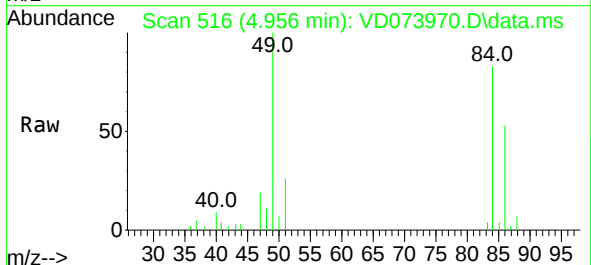
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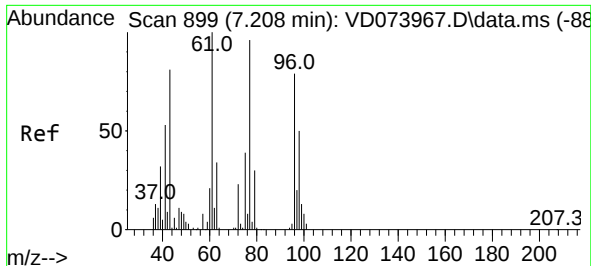
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 4.153 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 84 Resp: 26932
Ion Ratio Lower Upper
84 100
49 120.4 87.9 131.9
51 31.5 25.7 38.5
86 63.8 46.1 69.1

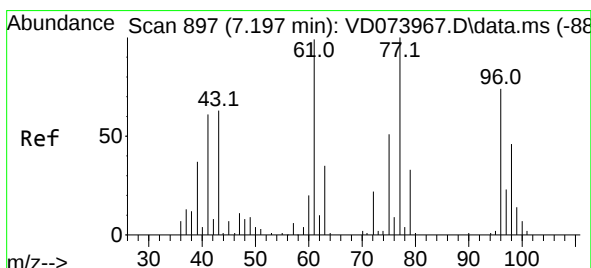
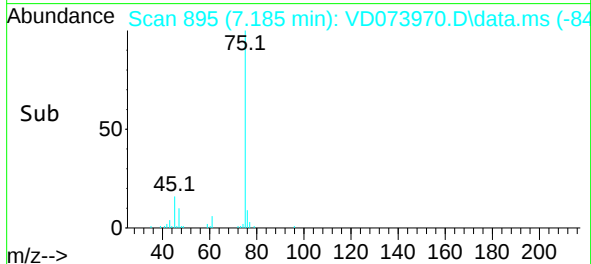
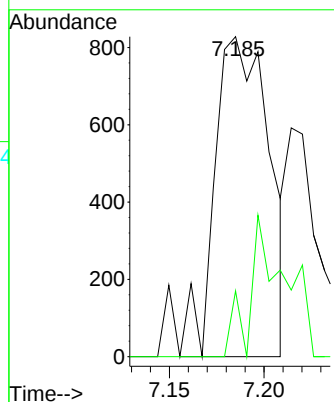
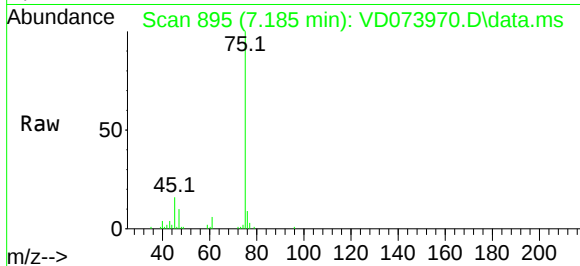




#25
2-Butanone
Concen: 3.993 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

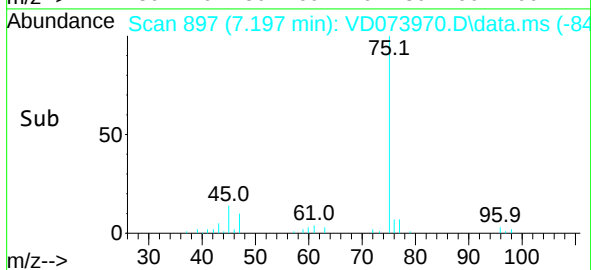
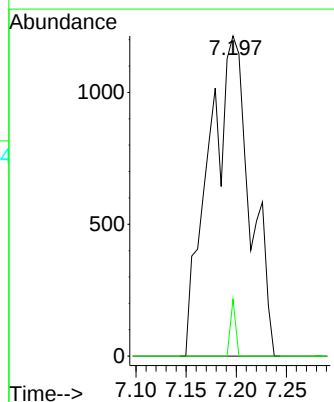
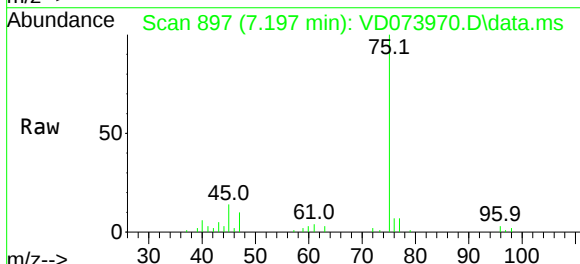
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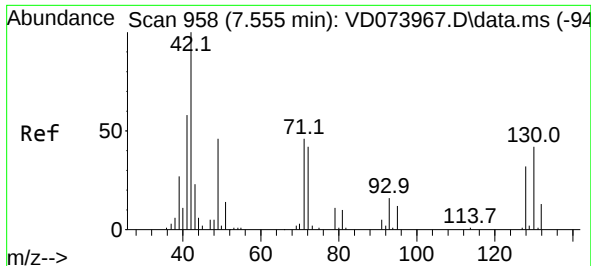
Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
72 20.5 22.8 34.2#



#26
2,2-Dichloropropane
Concen: 1.158 ug/l
RT: 7.197 min Scan# 897
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 77 Resp: 3467
Ion Ratio Lower Upper
77 100
97 2.2 11.1 33.1#





#29

Tetrahydrofuran

Concen: 1.123 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.012 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

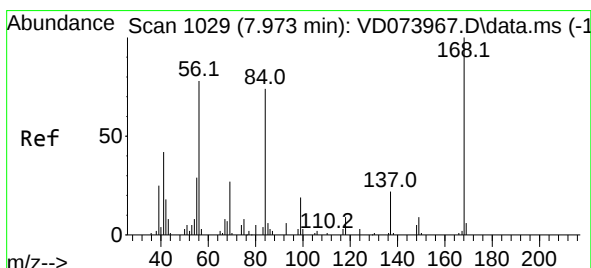
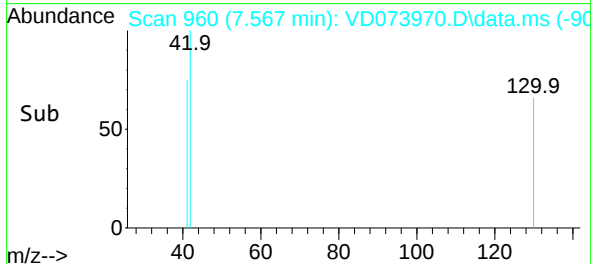
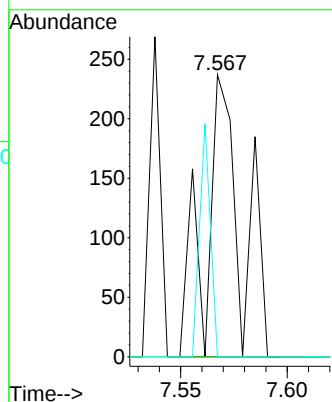
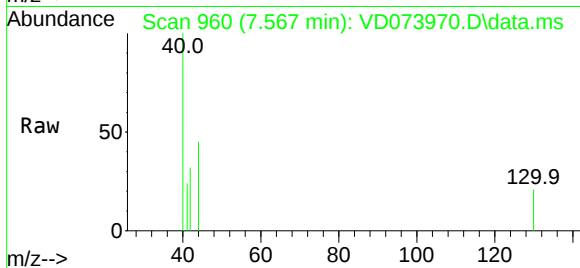
Tgt Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.6#

71 25.1 36.9 55.3#



#31

Cyclohexane

Concen: 2.237 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

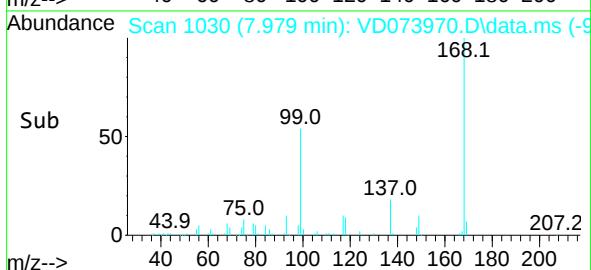
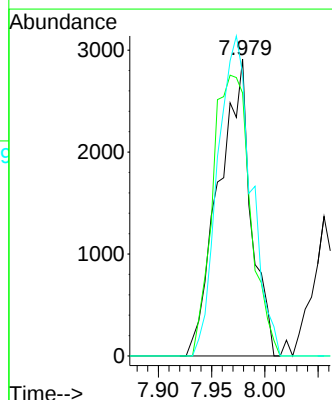
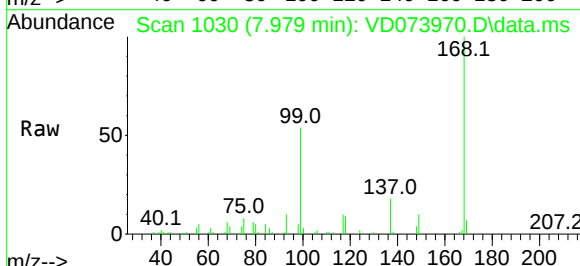
Tgt Ion: 56 Resp: 6168

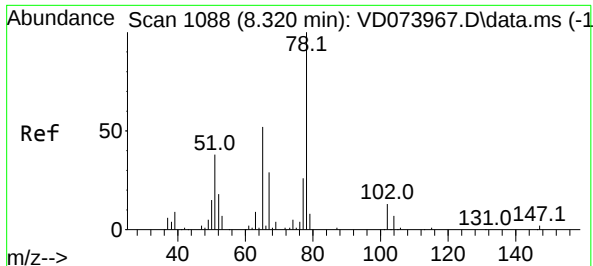
Ion Ratio Lower Upper

56 100

69 88.5 27.6 41.4#

84 95.0 75.4 113.0





#33

1,2-Dichloroethane-d4

Concen: 57.236 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

Instrument :

MSVOA_D

ClientSampleId :

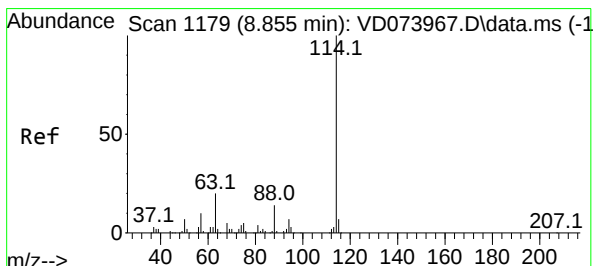
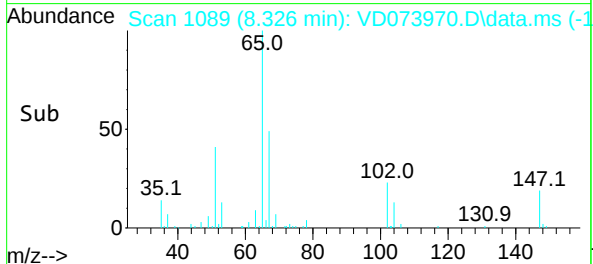
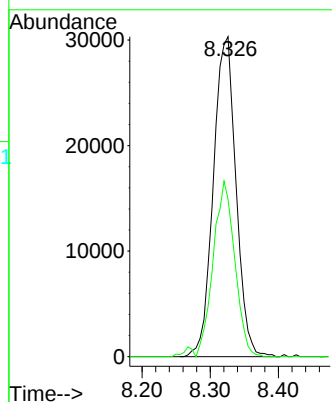
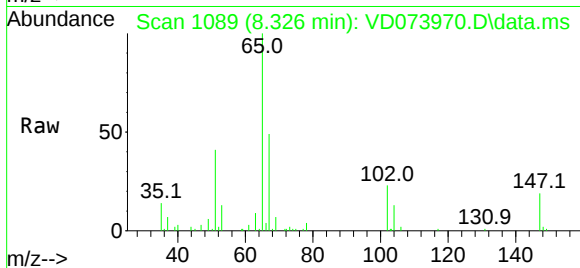
VIBLK

Tgt Ion: 65 Resp: 70137

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

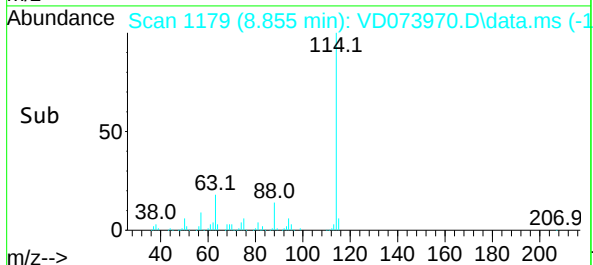
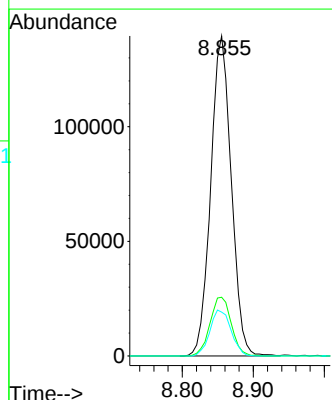
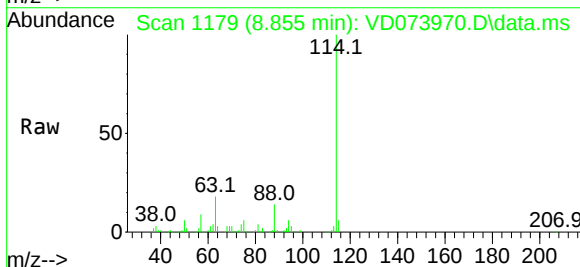
Tgt Ion: 114 Resp: 280294

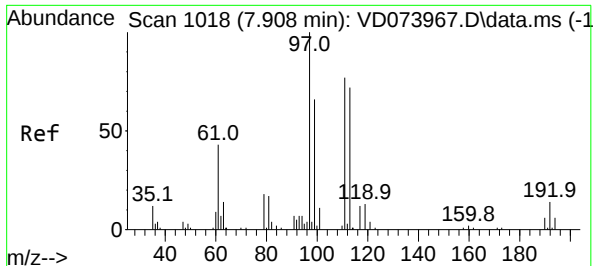
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.8

88 13.7 0.0 28.0





#35

Dibromofluoromethane

Concen: 45.800 ug/l

RT: 7.903 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073970.D

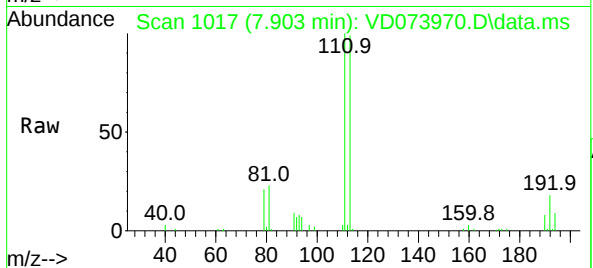
Acq: 05 Aug 2022 17:30

Instrument :

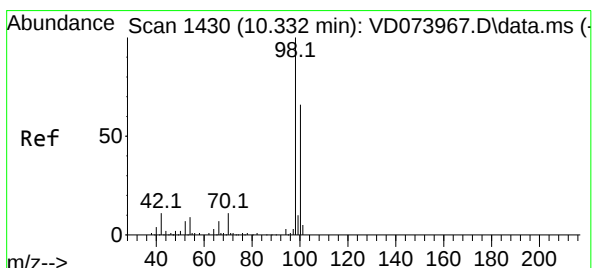
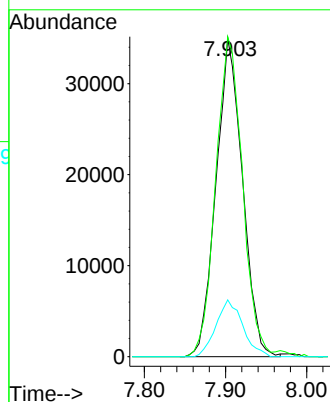
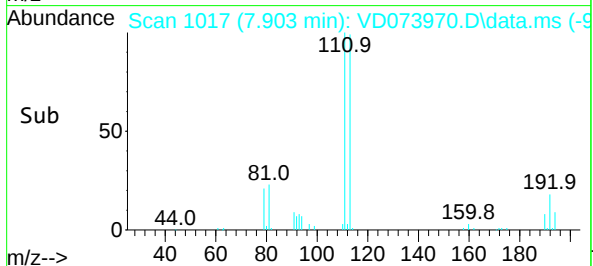
MSVOA_D

ClientSampleId :

VIBLK



Tgt Ion:	113	Resp:	79089
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.4
192	18.1	14.8	22.2



#50

Toluene-d8

Concen: 47.883 ug/l

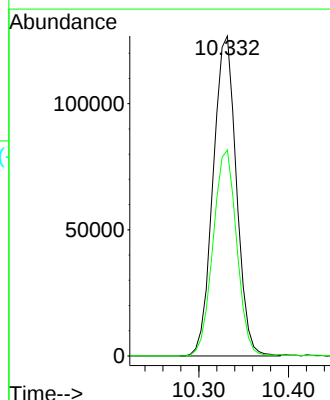
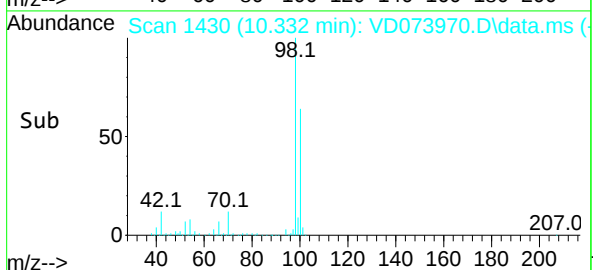
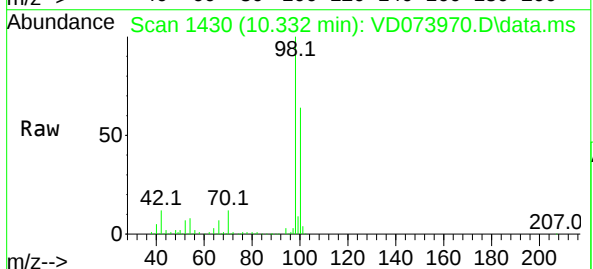
RT: 10.332 min Scan# 1430

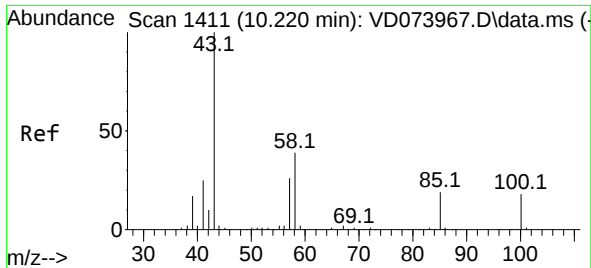
Delta R.T. -0.000 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

Tgt Ion:	98	Resp:	228421
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6

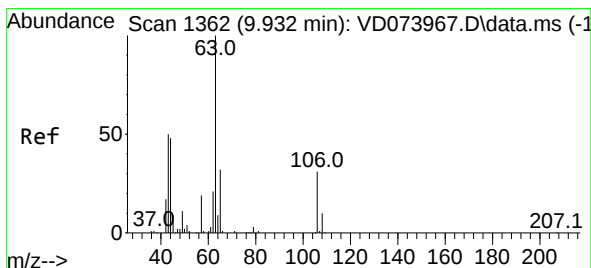
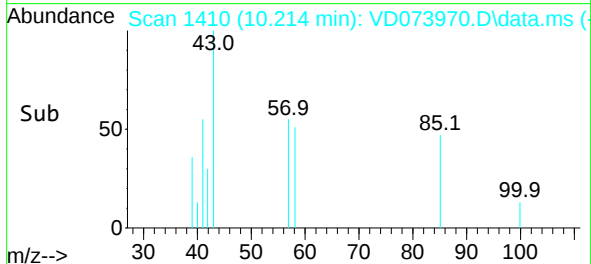
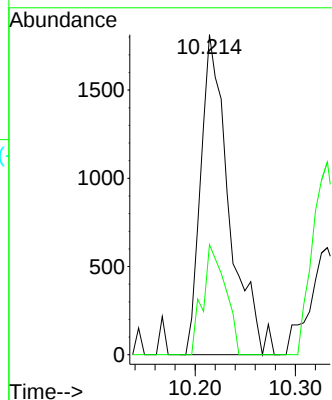
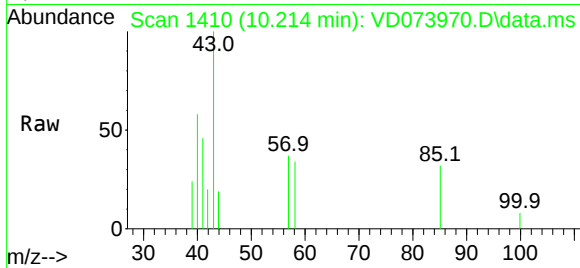




#51
4-Methyl-2-Pentanone
Concen: 3.616 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

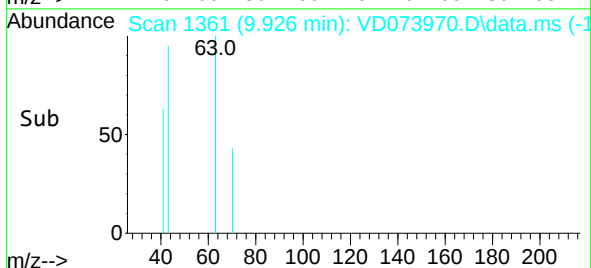
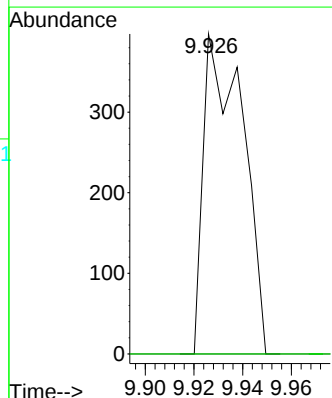
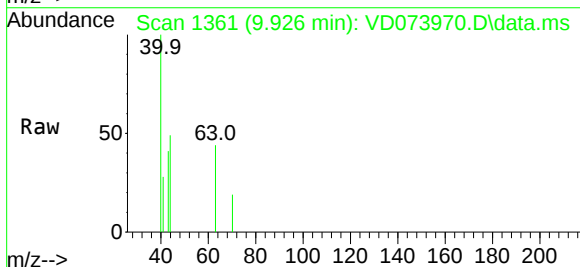
Instrument : MSVOA_D
ClientSampleId : VIBLK

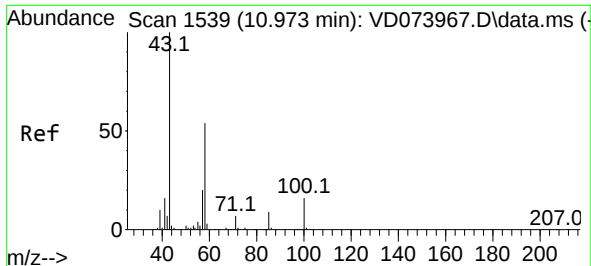
Tgt Ion: 43 Resp: 3564
Ion Ratio Lower Upper
43 100
58 27.5 31.6 47.4#



#58
2-Chloroethyl Vinyl ether
Concen: 17.674 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.006 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 63 Resp: 445
Ion Ratio Lower Upper
63 100
106 0.0 25.2 37.8#

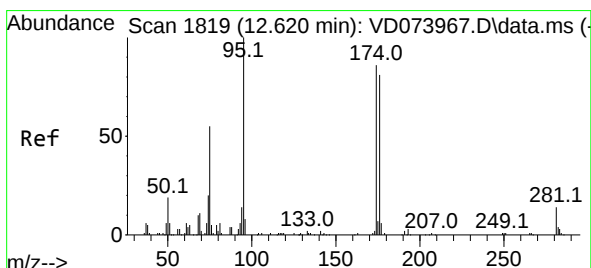
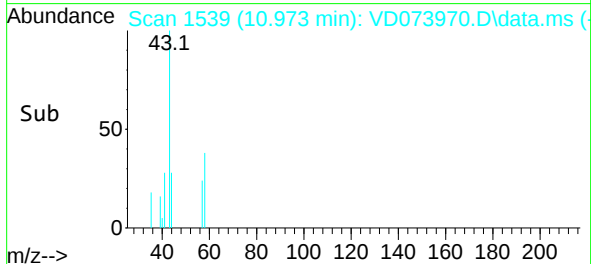
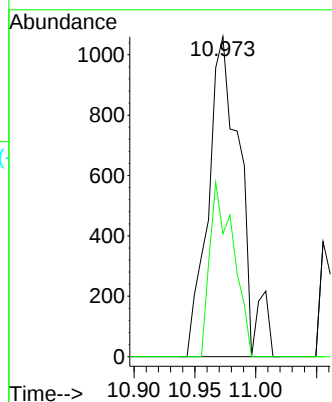
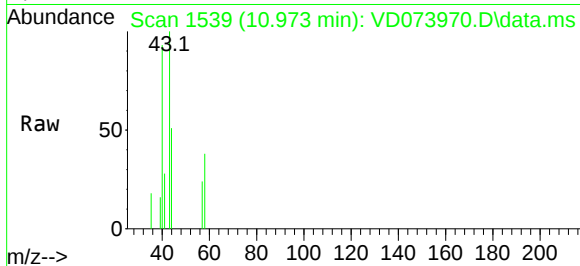




#59
2-Hexanone
Concen: 2.996 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

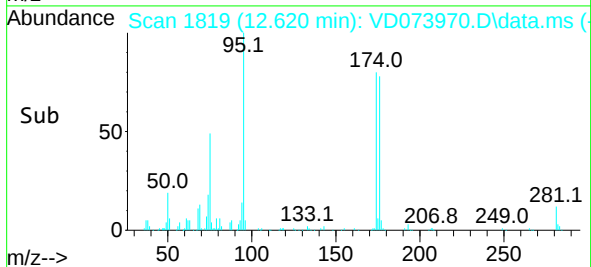
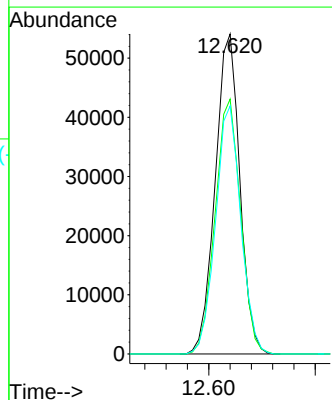
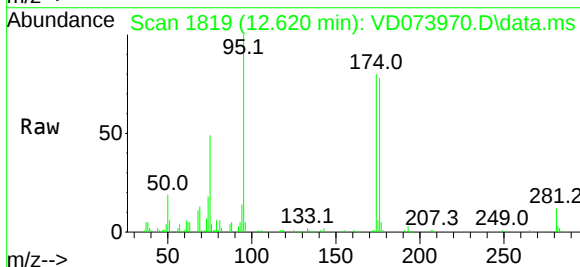
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

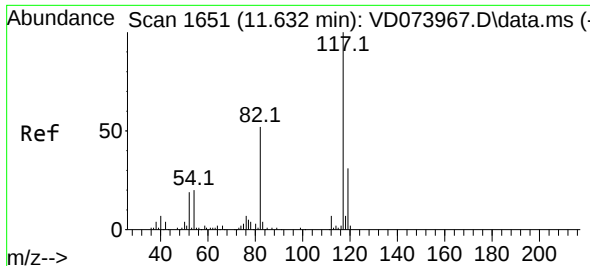
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 39.8 27.4 82.0



#62
4-Bromofluorobenzene
Concen: 37.660 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 95 Resp: 86671
Ion Ratio Lower Upper
95 100
174 82.3 0.0 163.0
176 79.3 0.0 154.8

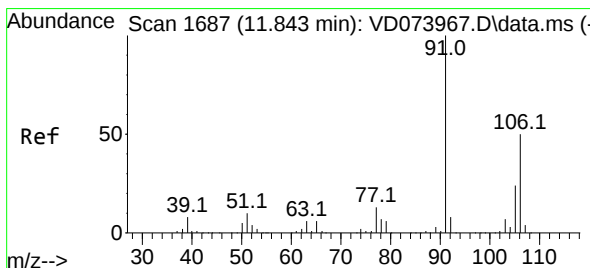
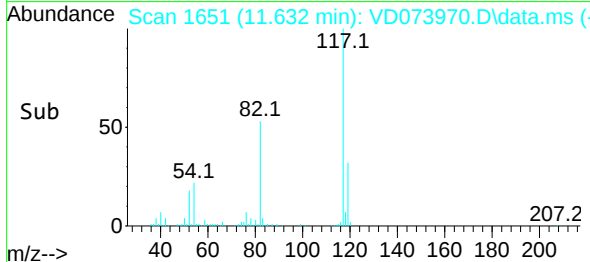
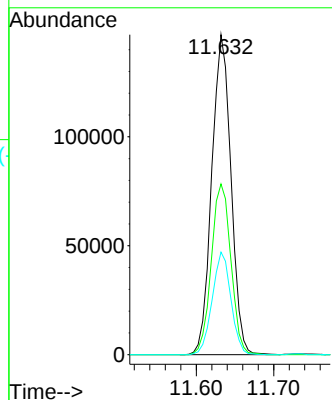
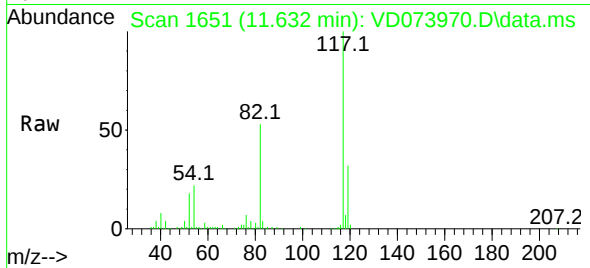




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

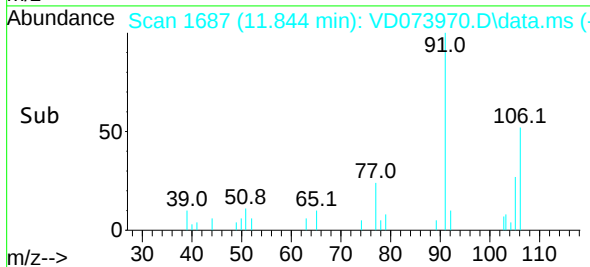
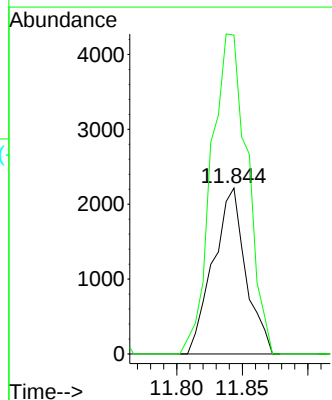
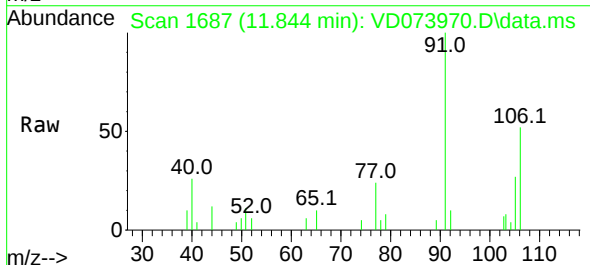
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

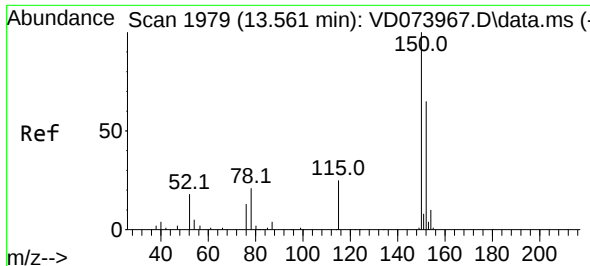
Tgt Ion:117 Resp: 254017
Ion Ratio Lower Upper
117 100
82 53.4 42.0 63.0
119 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 1.057 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion:106 Resp: 3817
Ion Ratio Lower Upper
106 100
91 214.0 159.7 239.5

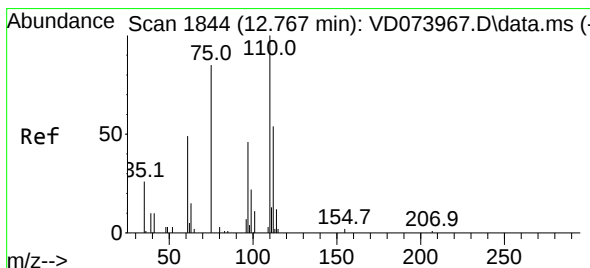
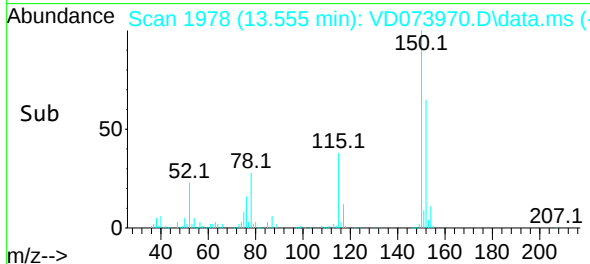
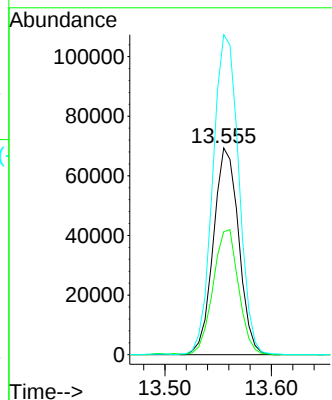
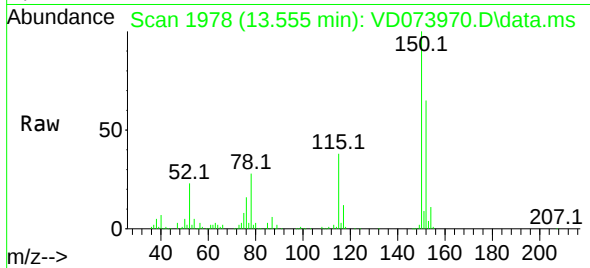




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

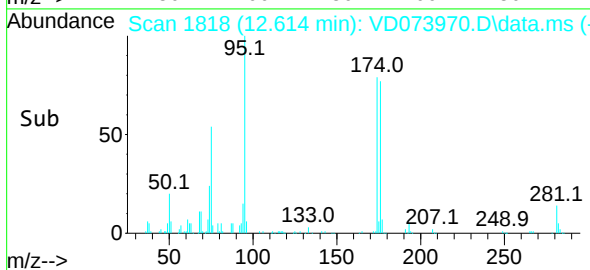
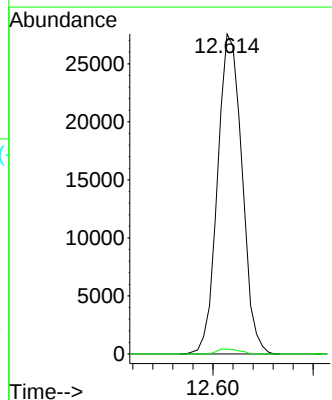
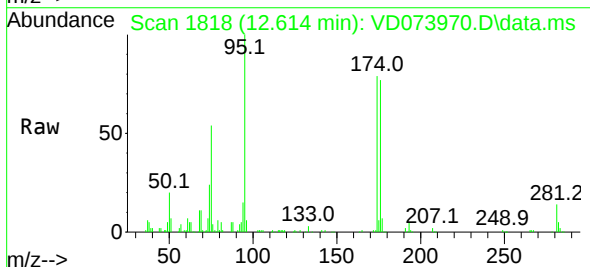
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

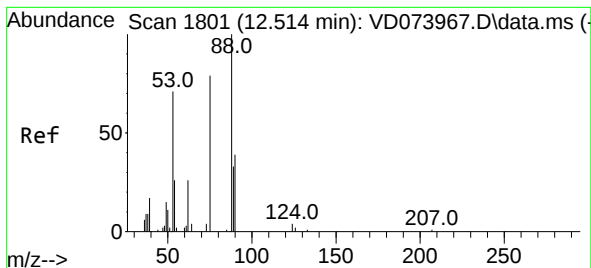
Tgt Ion:152 Resp: 114375
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 159.1 0.0 357.2



#76
1,2,3-Trichloropropane
Concen: 44.362 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 75 Resp: 46756
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

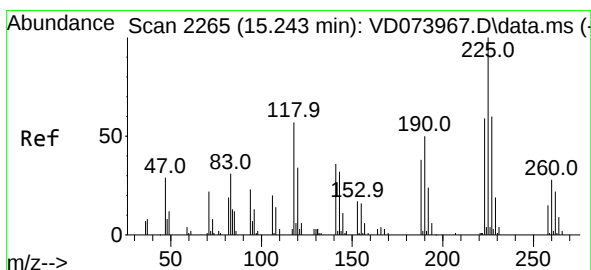
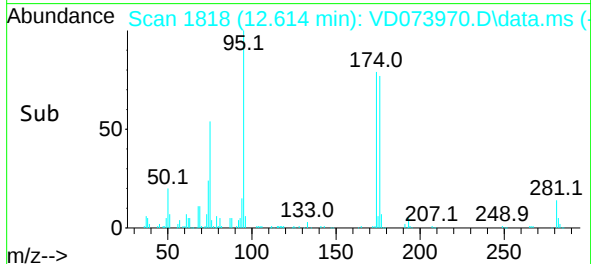
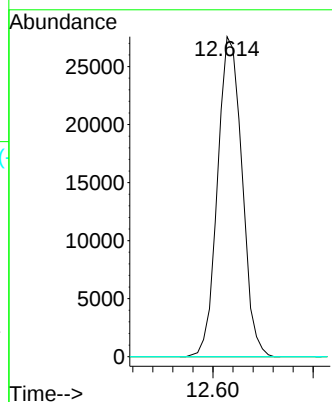
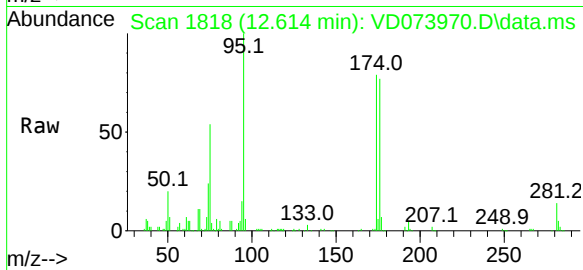




#81
trans-1,4-Dichloro-2-butene
Concen: 111.376 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

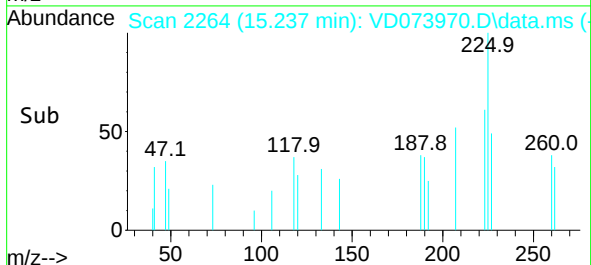
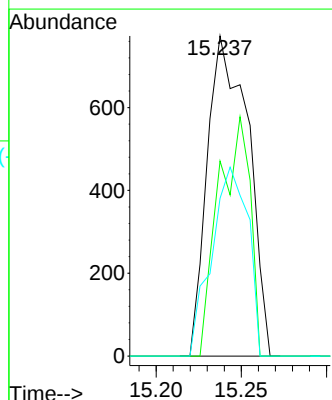
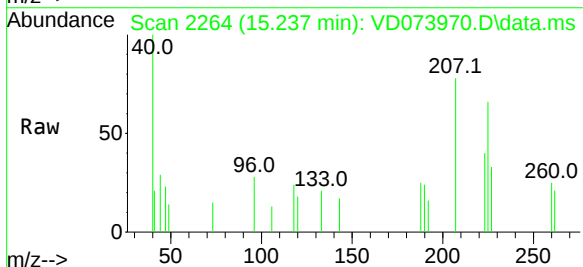
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

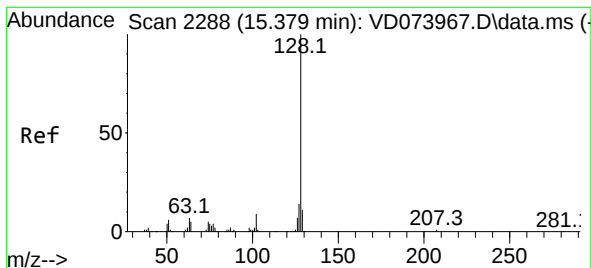
Tgt Ion: 75 Resp: 46756
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.6#
89 0.0 37.8 56.8#



#94
Hexachlorobutadiene
Concen: 1.177 ug/l
RT: 15.237 min Scan# 2264
Delta R.T. -0.006 min
Lab File: VD073970.D
Acq: 05 Aug 2022 17:30

Tgt Ion: 225 Resp: 1286
Ion Ratio Lower Upper
225 100
223 57.7 30.8 92.3
227 52.7 31.6 94.7





#95

Naphthalene

Concen: 1.415 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. 0.000 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

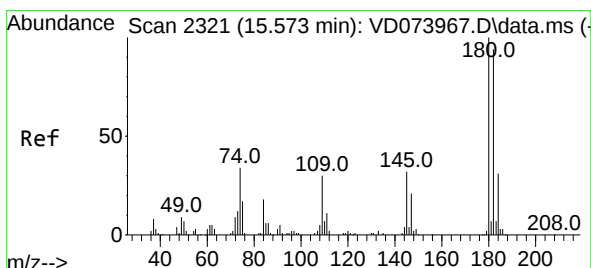
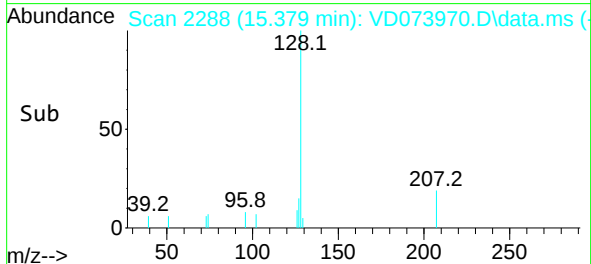
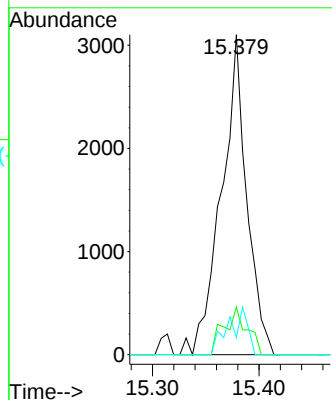
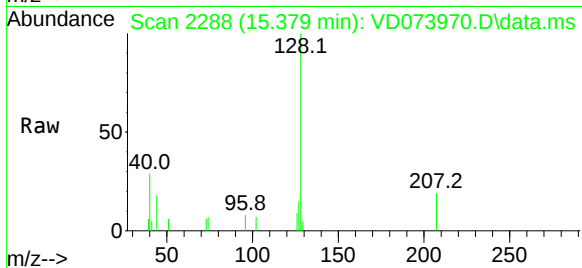
Tgt Ion:128 Resp: 5135

Ion Ratio Lower Upper

128 100

127 13.5 10.9 16.3

129 11.2 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 1.092 ug/l

RT: 15.573 min Scan# 2321

Delta R.T. 0.000 min

Lab File: VD073970.D

Acq: 05 Aug 2022 17:30

Tgt Ion:180 Resp: 1952

Ion Ratio Lower Upper

180 100

182 98.3 48.9 146.6

145 30.2 16.9 50.6

