

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074108.D
 Acq On : 16 Aug 2022 18:21
 Operator : VA/SY
 Sample : N4194-13
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PCB-GCP2-BLANK

Quant Time: Aug 16 20:53:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

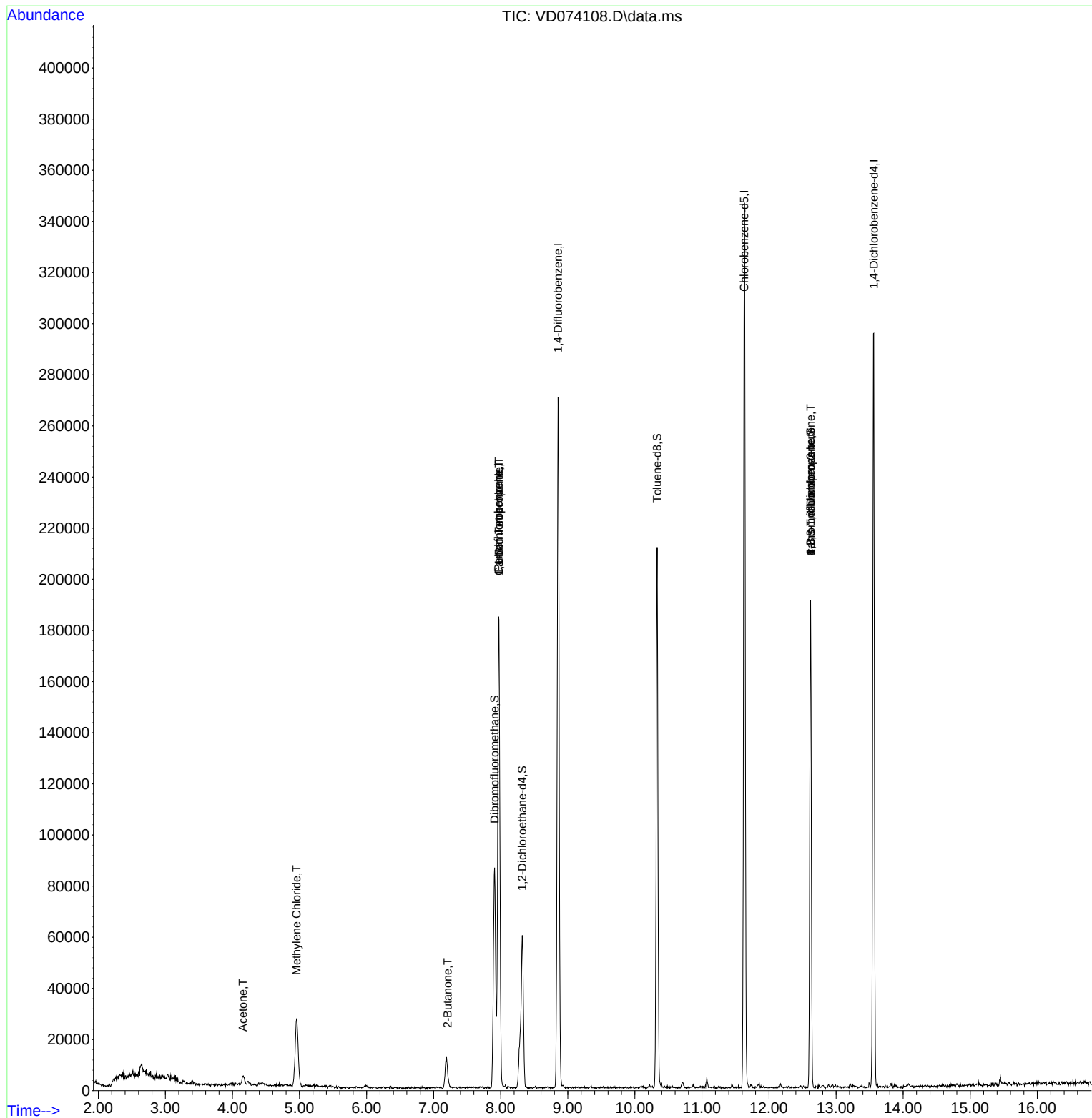
Internal Standards						
1) Pentafluorobenzene	7.967	168	132707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	231928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	199649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	78762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	45517	45.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.720%
35) Dibromofluoromethane	7.909	113	60515	40.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.660%
50) Toluene-d8	10.332	98	143194	31.822	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	63.640%
62) 4-Bromofluorobenzene	12.620	95	59228	31.874	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	520	Below Cal		76
3) Chloromethane	2.209	50	500	Below Cal	#	40
6) Chloroethane	2.921	64	137	Below Cal	#	42
7) Trichlorofluoromethane	3.262	101	1068	Below Cal		91
9) 1,1,2-Trichlorotrifluo...	4.091	101	209	Below Cal	#	86
11) Tert butyl alcohol	5.209	59	195	Below Cal	#	74
12) 1,1-Dichloroethene	4.062	96	229	Below Cal	#	1
16) Acetone	4.156	43	7048	18.396	ug/l	98
17) Carbon Disulfide	4.403	76	624	Below Cal	#	74
18) Methyl Acetate	4.720	43	81	Below Cal	#	55
20) Methylene Chloride	4.956	84	20789	4.653	ug/l	# 80
25) 2-Butanone	7.209	43	541	1.595	ug/l	# 52
31) Cyclohexane	7.967	56	3639	Below Cal	#	35
36) 1,1-Dichloropropene	7.973	75	10907	5.396	ug/l	# 53
38) Carbon Tetrachloride	7.973	117	14768	6.331	ug/l	# 16
76) 1,2,3-Trichloropropane	12.620	75	31561	44.969	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	31561	125.414	ug/l	# 7

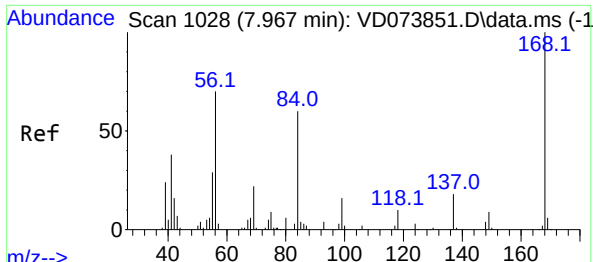
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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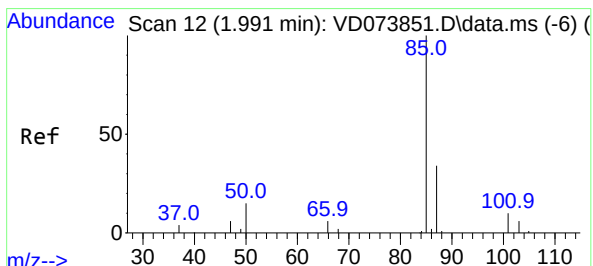
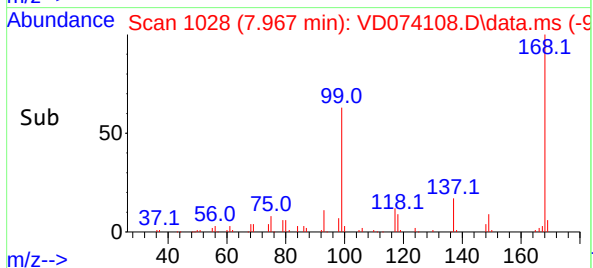
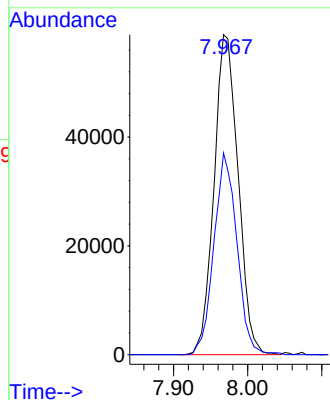
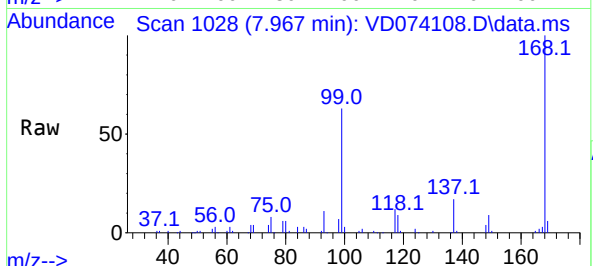




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

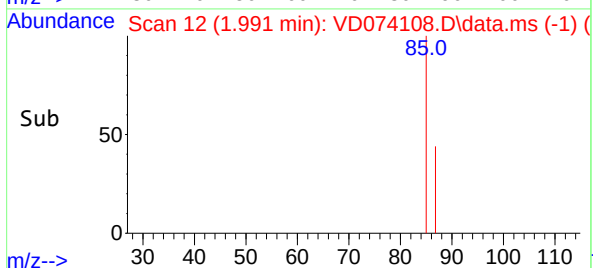
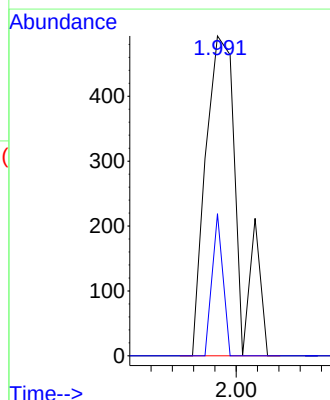
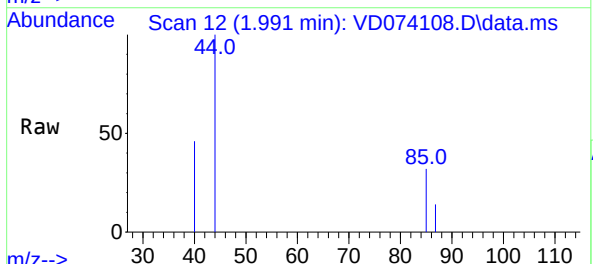
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

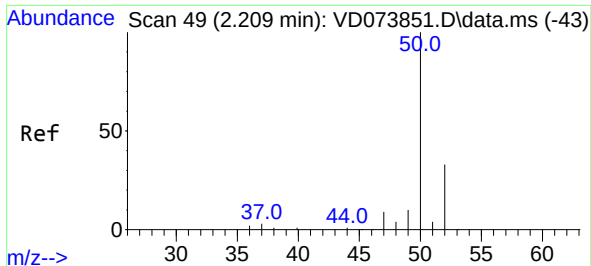
Tgt Ion:168 Resp: 132707
Ion Ratio Lower Upper
168 100
99 63.0 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 85 Resp: 520
Ion Ratio Lower Upper
85 100
87 44.4 15.7 47.0

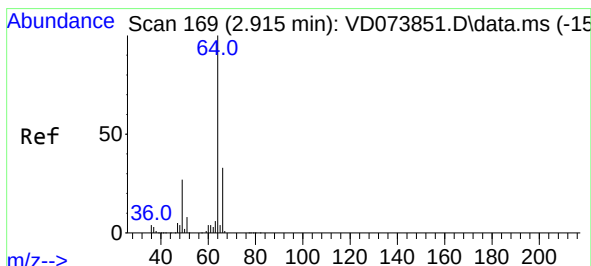
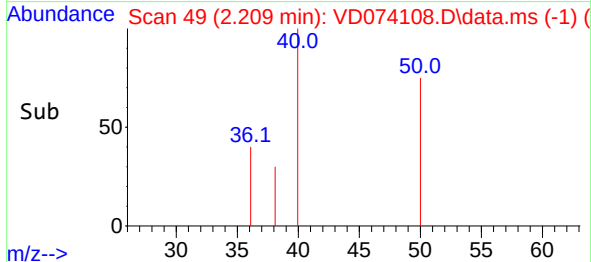
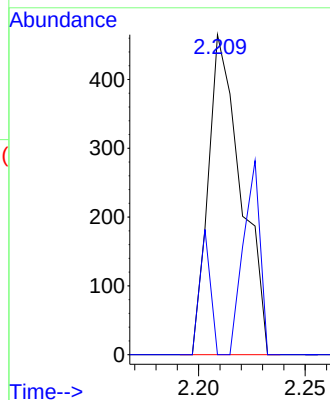
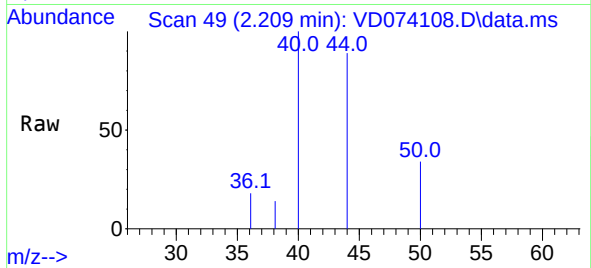




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

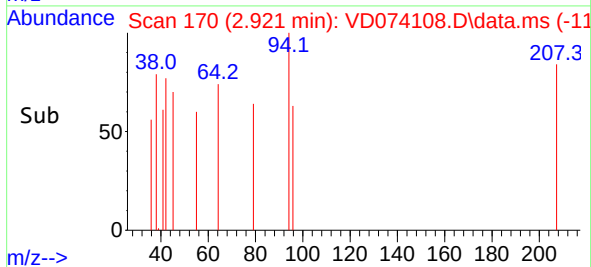
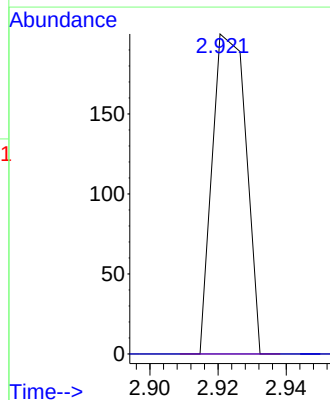
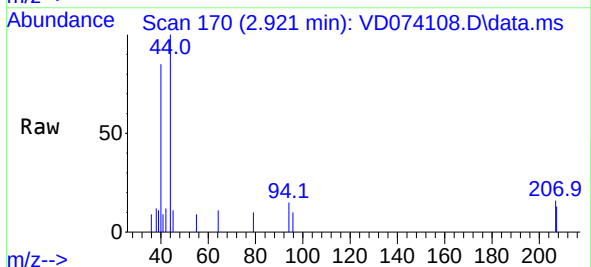
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

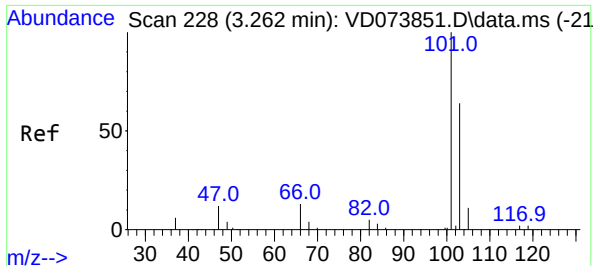
Tgt Ion: 50 Resp: 500
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.921 min Scan# 170
Delta R.T. 0.006 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

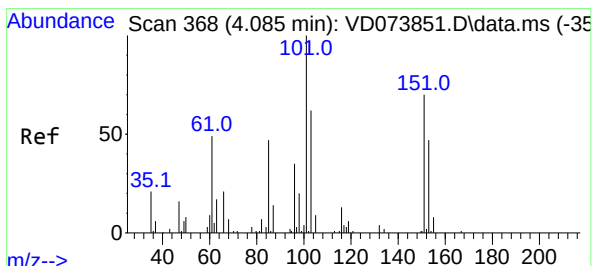
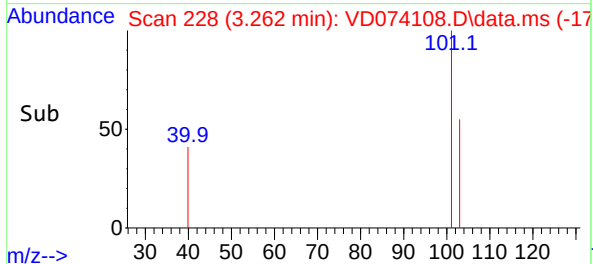
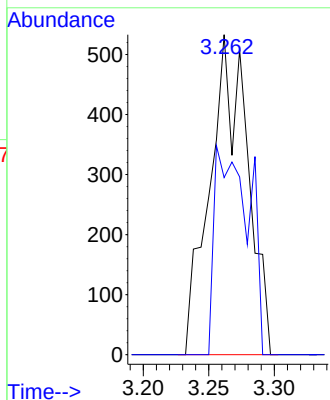
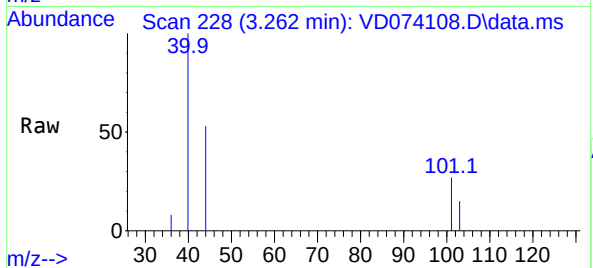




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.262 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD074108.D
 Acq: 16 Aug 2022 18:21

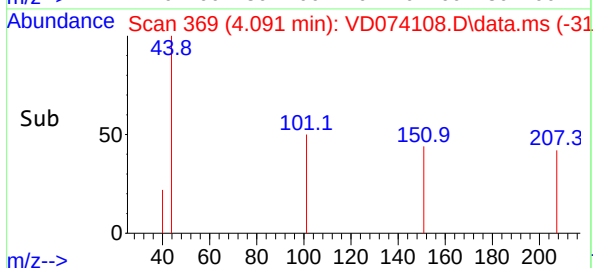
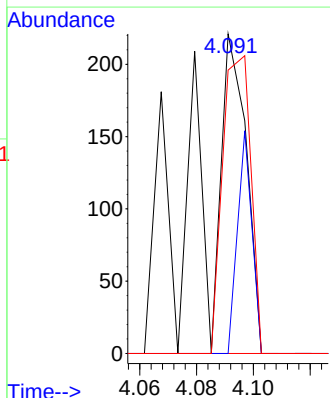
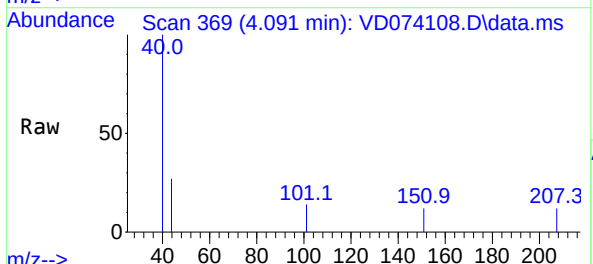
Instrument :
 MSVOA_D
 ClientSampleId :
 PCB-GCP2-BLANK

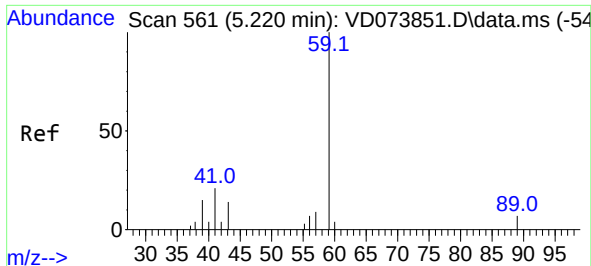
Tgt Ion:101 Resp: 1068
 Ion Ratio Lower Upper
 101 100
 103 55.3 50.1 75.1



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: Below Cal
 RT: 4.091 min Scan# 369
 Delta R.T. 0.006 min
 Lab File: VD074108.D
 Acq: 16 Aug 2022 18:21

Tgt Ion:101 Resp: 209
 Ion Ratio Lower Upper
 101 100
 85 25.8 36.4 54.6#
 151 67.9 57.3 85.9

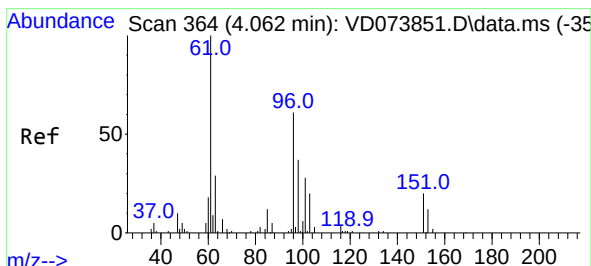
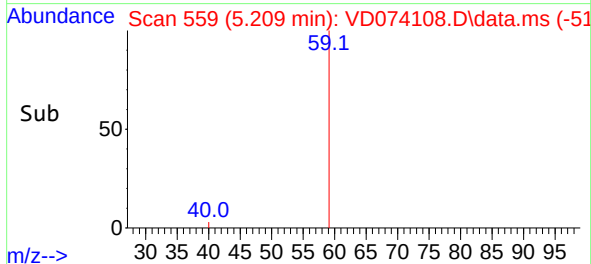
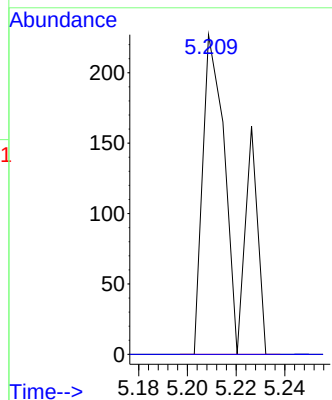
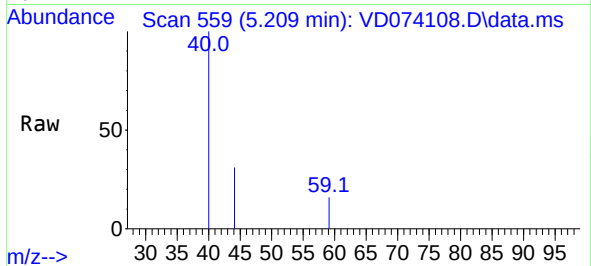




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 511
Delta R.T. -0.011 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

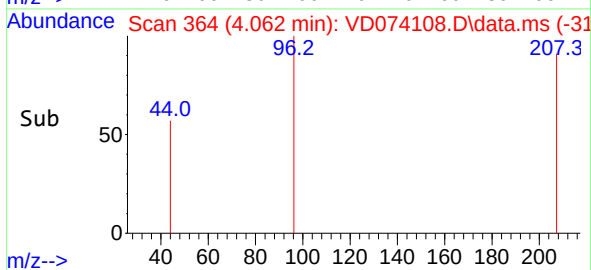
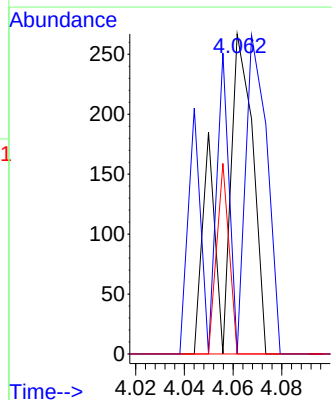
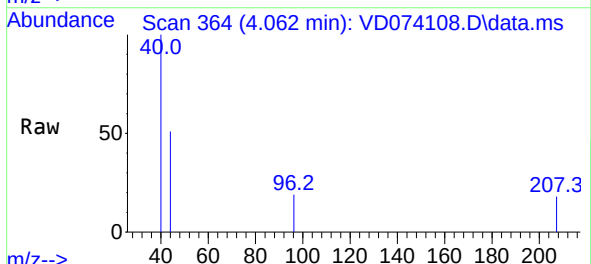
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

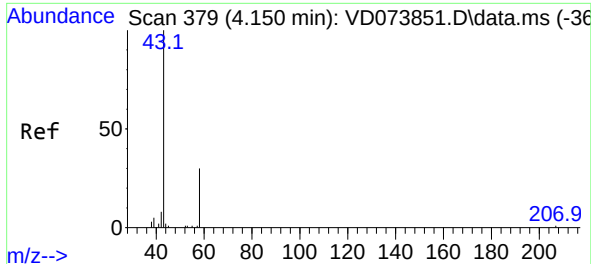
Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.062 min Scan# 364
Delta R.T. -0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 96 Resp: 229
Ion Ratio Lower Upper
96 100
61 0.0 138.5 207.7#
98 0.0 48.6 73.0#





#16

Acetone

Concen: 18.396 ug/l

RT: 4.156 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD074108.D

Acq: 16 Aug 2022 18:21

Instrument :

MSVOA_D

ClientSampleId :

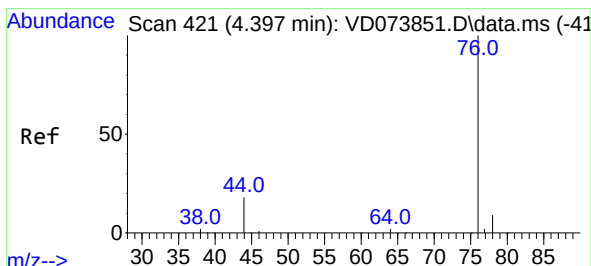
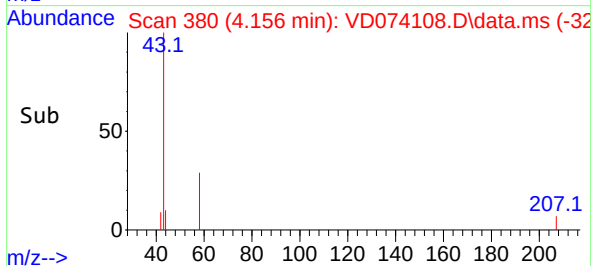
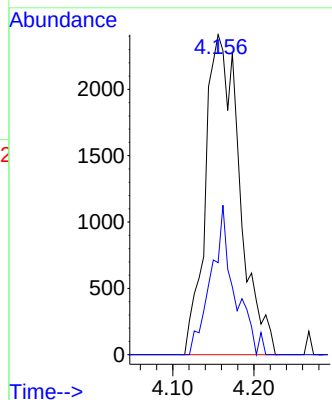
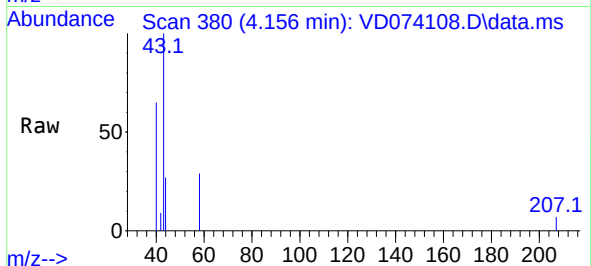
PCB-GCP2-BLANK

Tgt Ion: 43 Resp: 7048

Ion Ratio Lower Upper

43 100

58 28.8 22.1 33.1



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.403 min Scan# 422

Delta R.T. 0.006 min

Lab File: VD074108.D

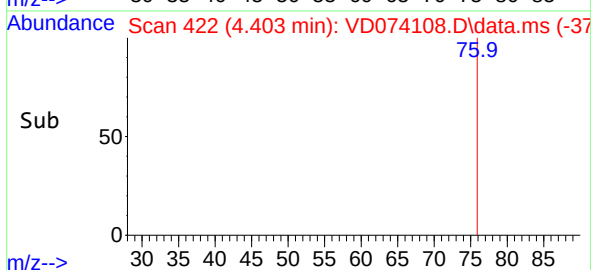
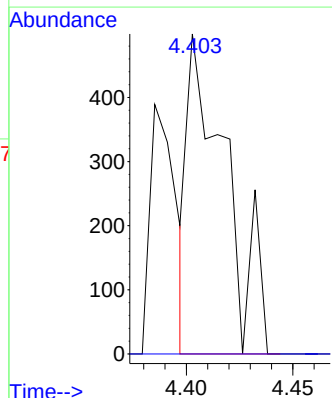
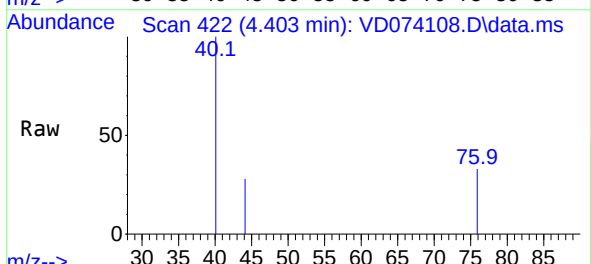
Acq: 16 Aug 2022 18:21

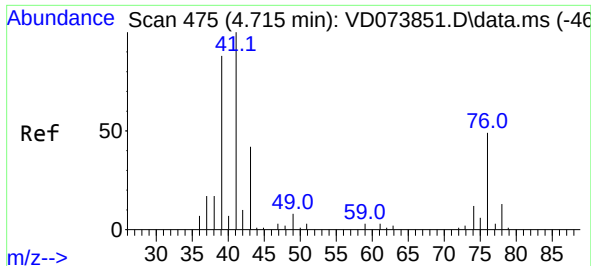
Tgt Ion: 76 Resp: 624

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

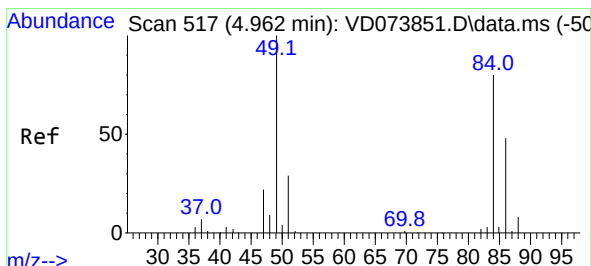
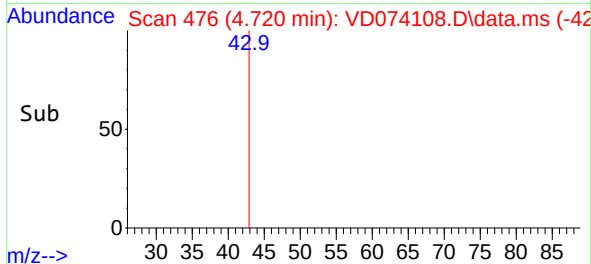
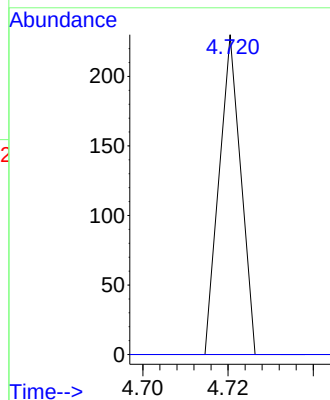
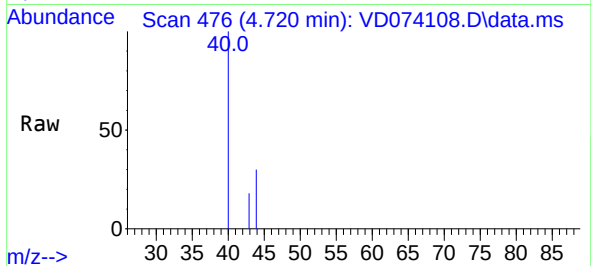




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

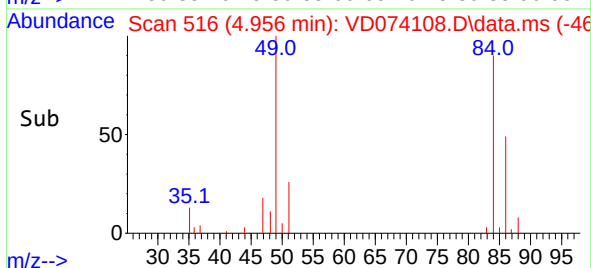
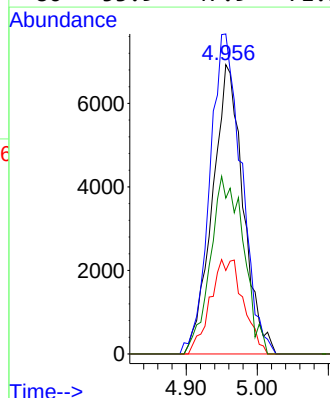
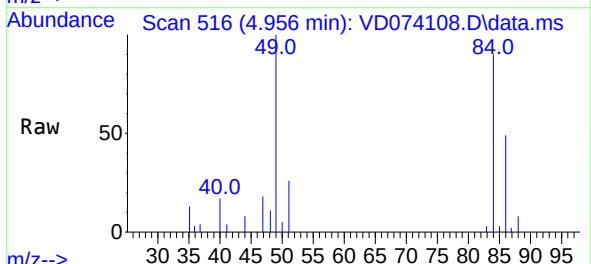
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

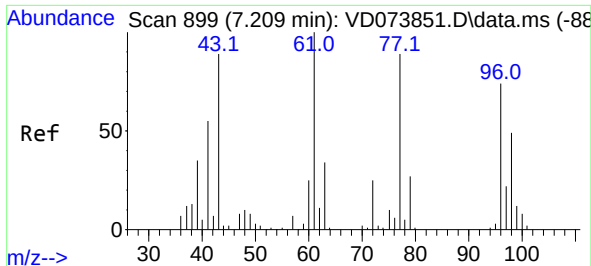
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 4.653 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 84 Resp: 20789
Ion Ratio Lower Upper
84 100
49 110.6 112.8 169.2#
51 28.9 32.6 48.8#
86 53.9 47.9 71.9





#25

2-Butanone

Concen: 1.595 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.000 min

Lab File: VD074108.D

Acq: 16 Aug 2022 18:21

Instrument :

MSVOA_D

ClientSampleId :

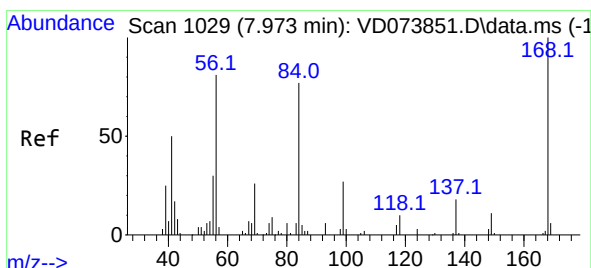
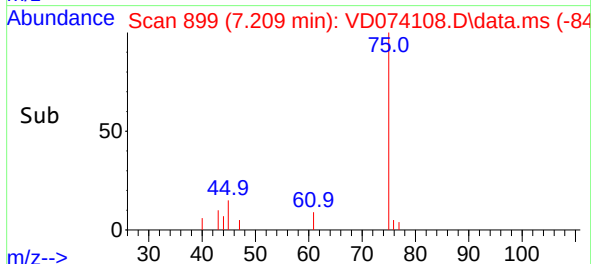
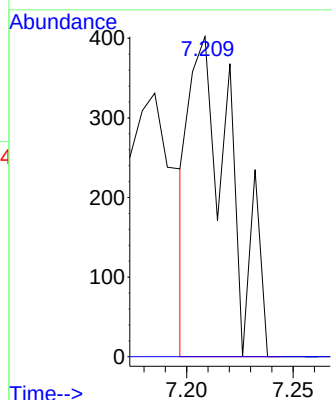
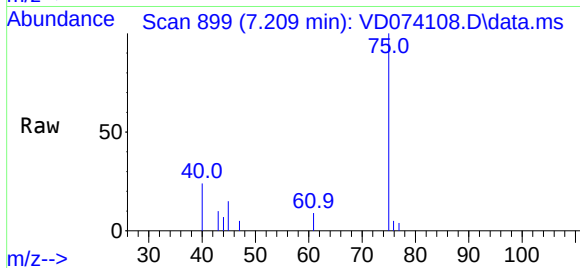
PCB-GCP2-BLANK

Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: Below Cal

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD074108.D

Acq: 16 Aug 2022 18:21

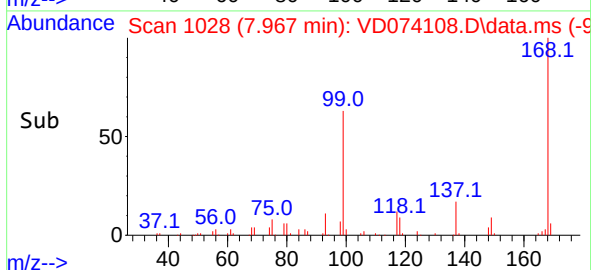
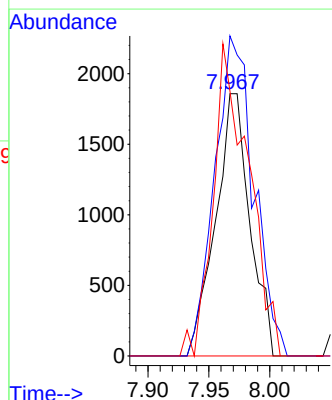
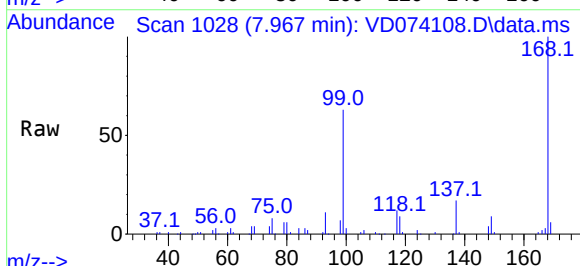
Tgt Ion: 56 Resp: 3639

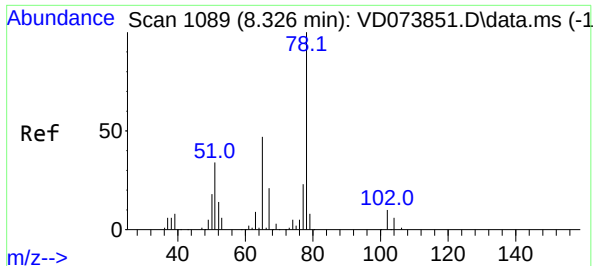
Ion Ratio Lower Upper

56 100

69 122.0 25.4 38.2#

84 101.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.365 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD074108.D

Acq: 16 Aug 2022 18:21

Instrument :

MSVOA_D

ClientSampleId :

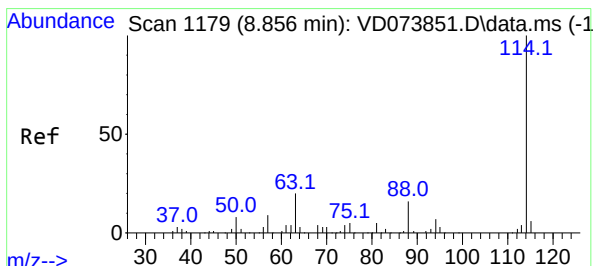
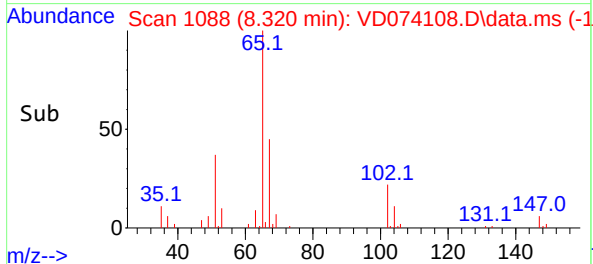
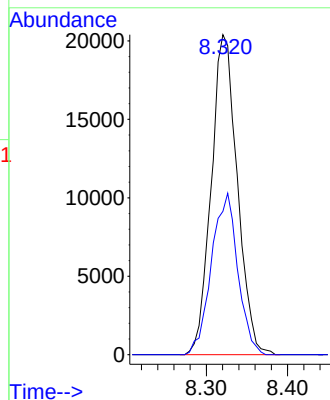
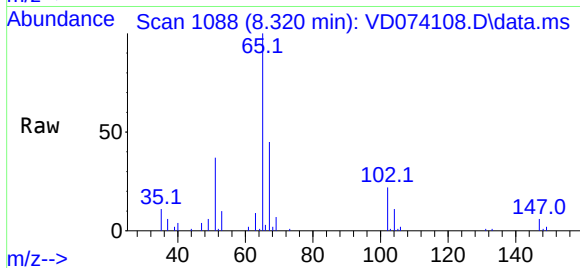
PCB-GCP2-BLANK

Tgt Ion: 65 Resp: 45517

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD074108.D

Acq: 16 Aug 2022 18:21

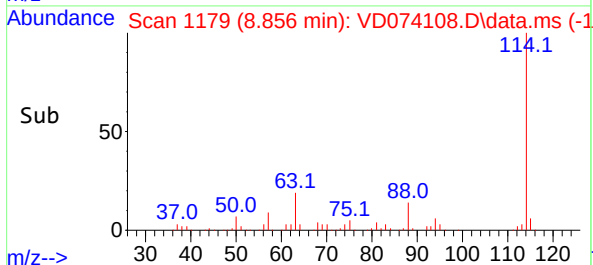
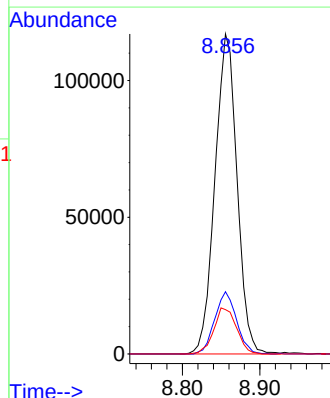
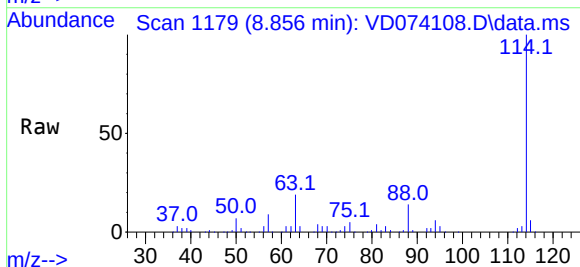
Tgt Ion: 114 Resp: 231928

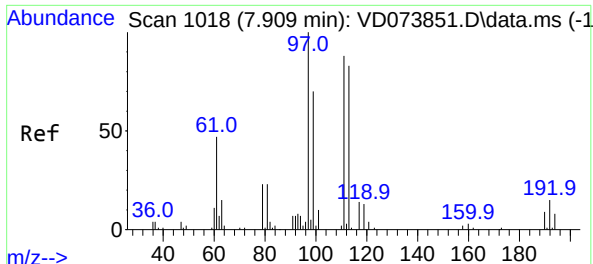
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 13.9 0.0 33.2

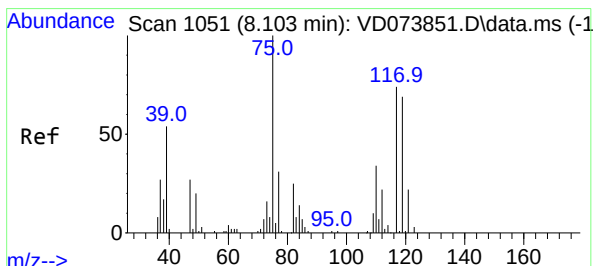
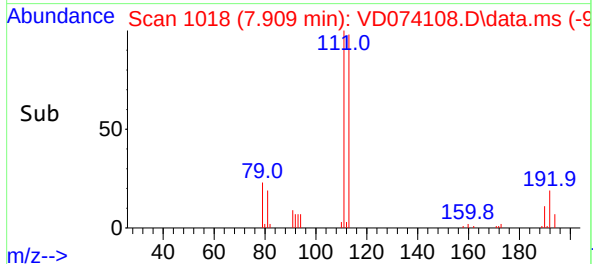
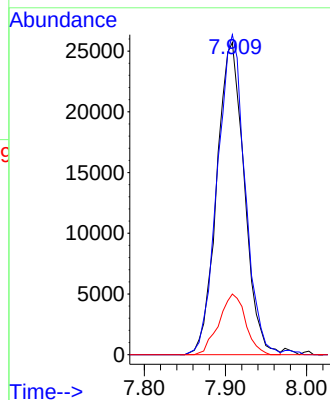
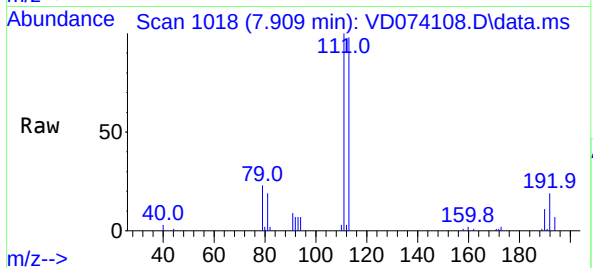




#35
Dibromofluoromethane
Concen: 40.832 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

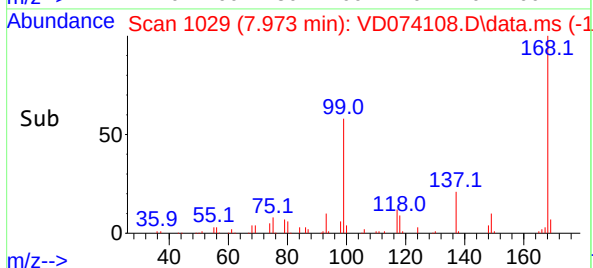
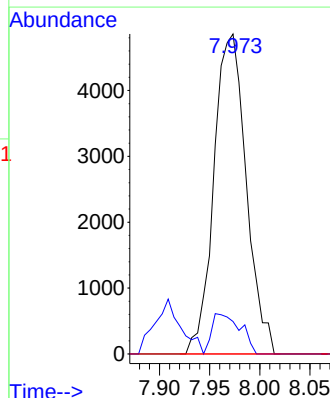
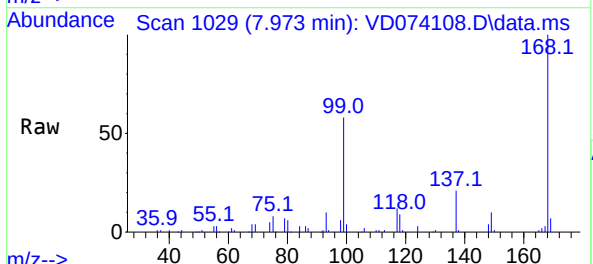
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

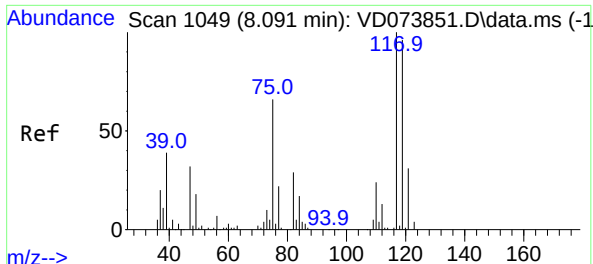
Tgt Ion:	113	Resp:	60515
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.8	125.6
192	18.8	14.6	21.8



#36
1,1-Dichloropropene
Concen: 5.396 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion:	75	Resp:	10907
Ion	Ratio	Lower	Upper
75	100		
110	11.1	16.4	49.1#
77	0.0	24.2	36.2#

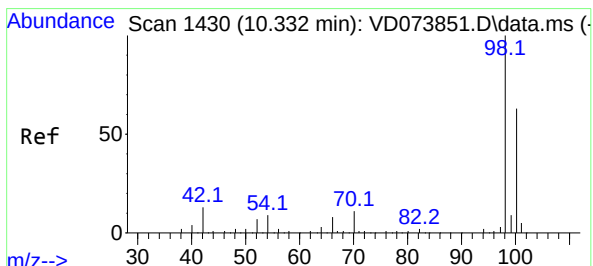
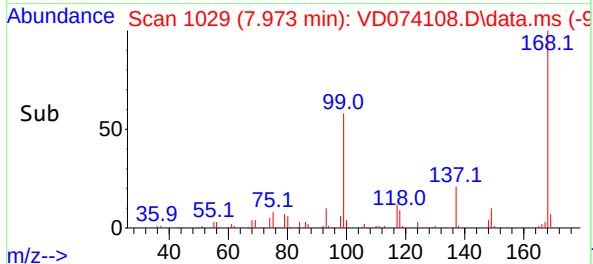
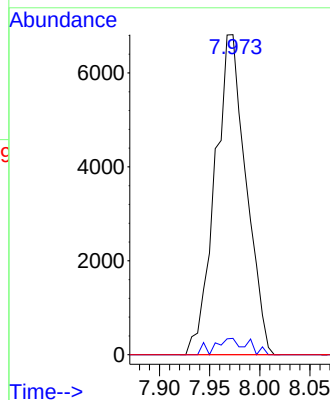
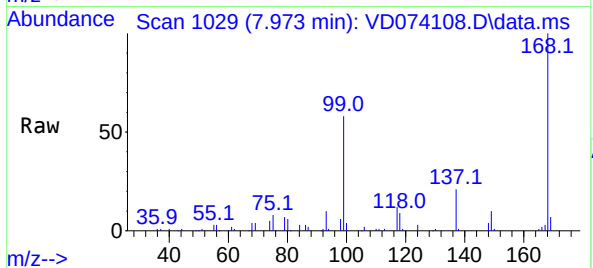




#38
Carbon Tetrachloride
Concen: 6.331 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

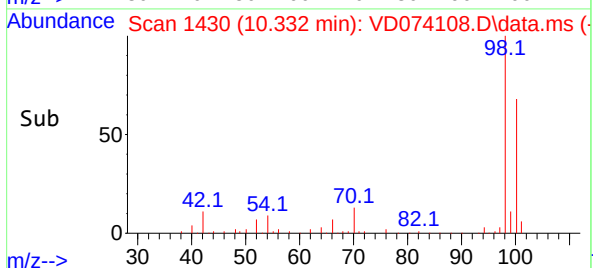
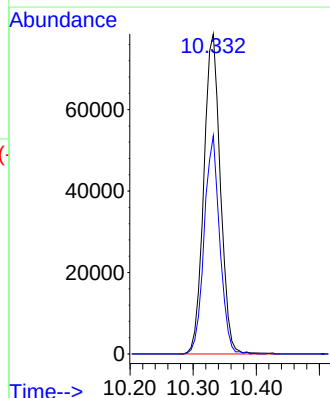
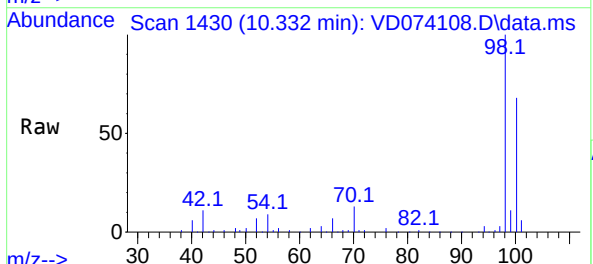
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

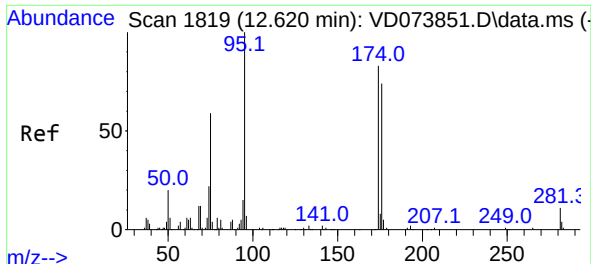
Tgt Ion:117 Resp: 14768
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 31.822 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 98 Resp: 143194
Ion Ratio Lower Upper
98 100
100 64.0 52.4 78.6

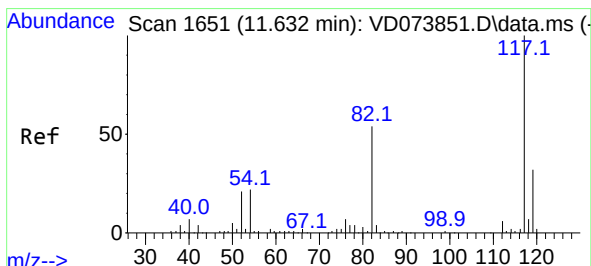
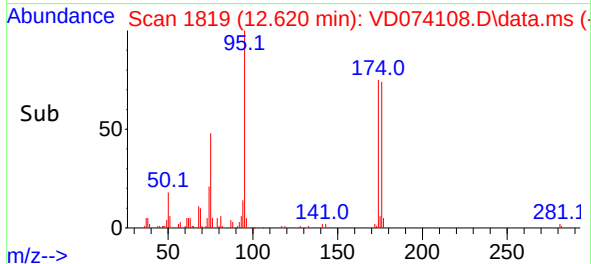
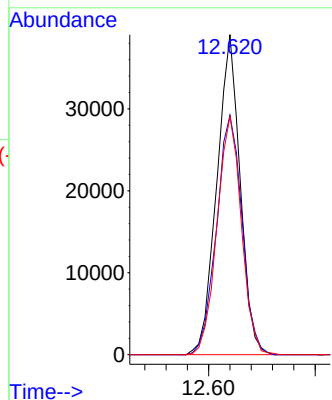
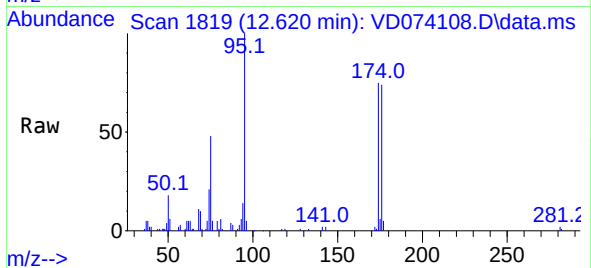




#62
4-Bromofluorobenzene
Concen: 31.874 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

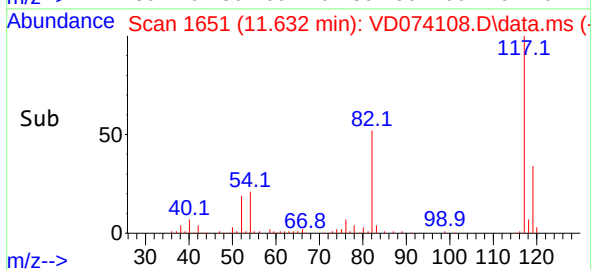
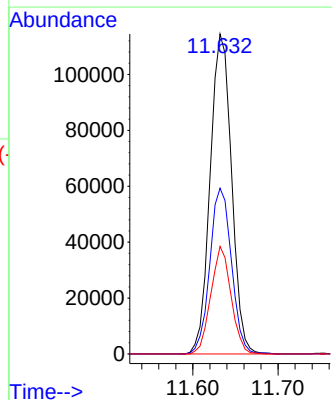
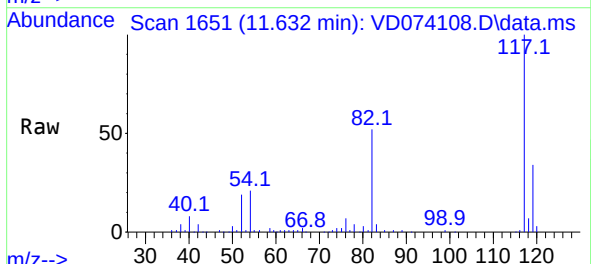
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

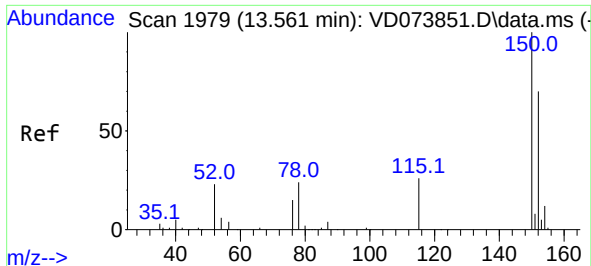
Tgt Ion: 95 Resp: 59228
Ion Ratio Lower Upper
95 100
174 81.6 0.0 152.8
176 77.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 117 Resp: 199649
Ion Ratio Lower Upper
117 100
82 51.8 45.3 67.9
119 33.6 26.6 40.0

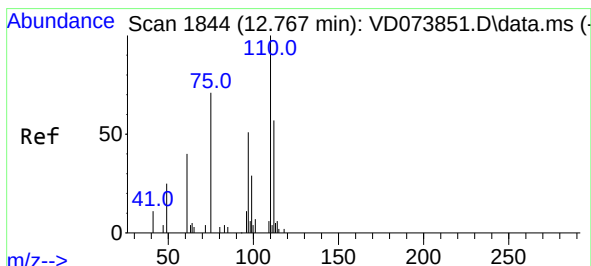
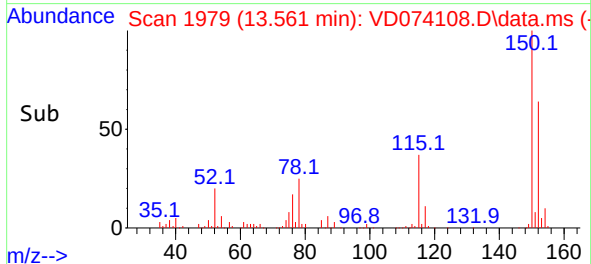
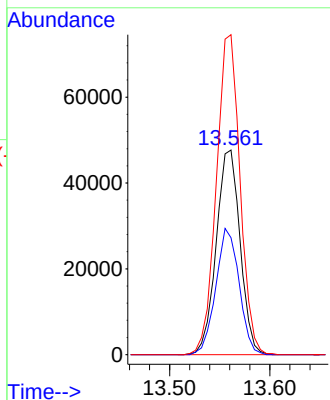
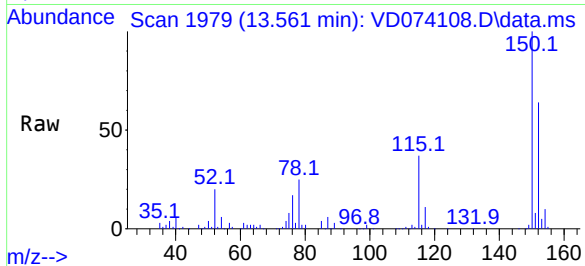




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

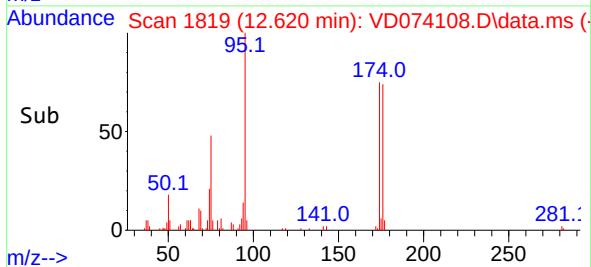
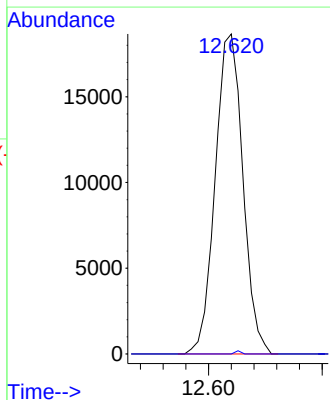
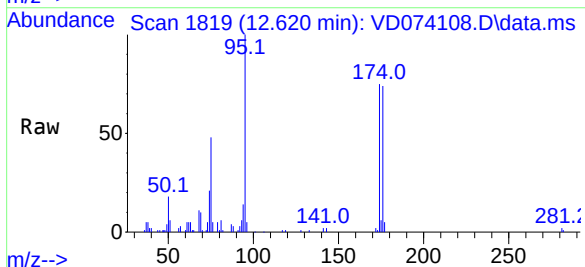
Instrument :
MSVOA_D
ClientSampleId :
PCB-GCP2-BLANK

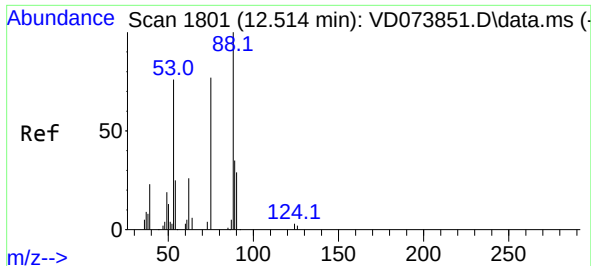
Tgt Ion:152 Resp: 78762
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 154.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.969 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074108.D
Acq: 16 Aug 2022 18:21

Tgt Ion: 75 Resp: 31561
Ion Ratio Lower Upper
75 100
77 0.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.414 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD074108.D
 Acq: 16 Aug 2022 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 PCB-GCP2-BLANK

Tgt Ion: 75 Resp: 31561
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

