

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102022\
 Data File : VD074594.D
 Acq On : 20 Oct 2022 13:39
 Operator : VA/SY
 Sample : N5142-13
 Misc : 6.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-8

Quant Time: Oct 20 14:56:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

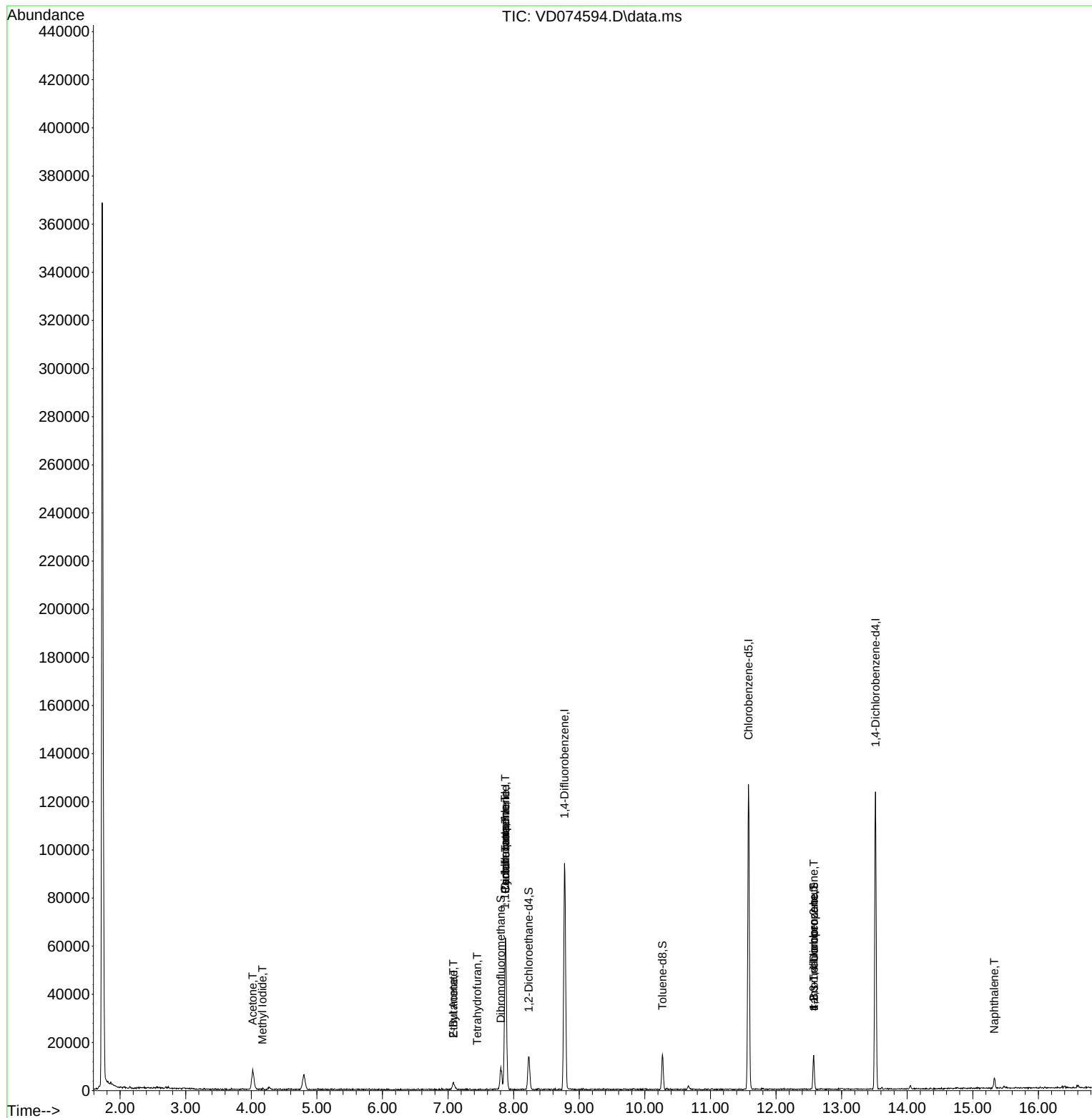
Internal Standards						
1) Pentafluorobenzene	7.875	168	52811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	92895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	80677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	36944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	11068	27.450	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.900%
35) Dibromofluoromethane	7.804	113	6574	11.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	23.860%#
50) Toluene-d8	10.269	98	11314	6.085	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	12.180%#
62) 4-Bromofluorobenzene	12.575	95	3684	5.150	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.300%#
Target Compounds						Qvalue
10) Methyl Iodide	4.169	142	216	4.212	ug/l #	43
16) Acetone	4.022	43	13221	150.159	ug/l	94
18) Methyl Acetate	4.558	43	170	Below Cal	#	44
20) Methylene Chloride	4.811	84	5611	Below Cal	#	86
25) 2-Butanone	7.081	43	4362	37.049	ug/l	92
29) Tetrahydrofuran	7.446	42	73	1.137	ug/l #	23
31) Cyclohexane	7.875	56	936	1.156	ug/l #	26
36) 1,1-Dichloropropene	7.869	75	3481	4.171	ug/l #	44
37) Ethyl Acetate	7.081	43	4362	16.567	ug/l #	66
38) Carbon Tetrachloride	7.875	117	5397	6.604	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	1680	5.208	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	1680	13.309	ug/l #	17
95) Naphthalene	15.328	128	5153	3.681	ug/l #	90

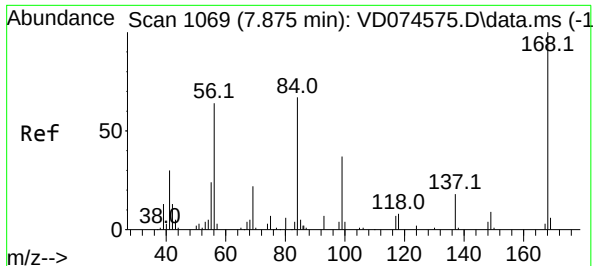
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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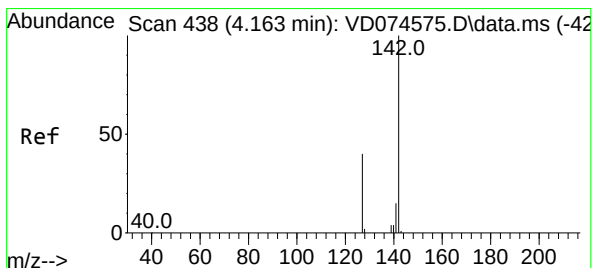
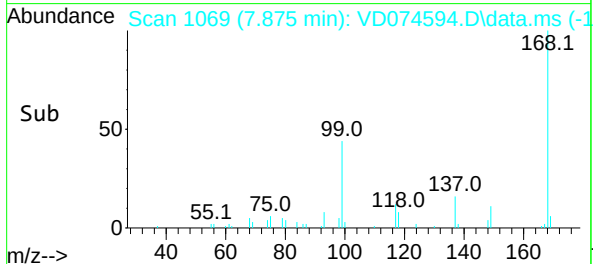
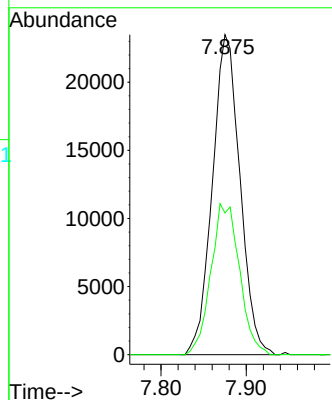
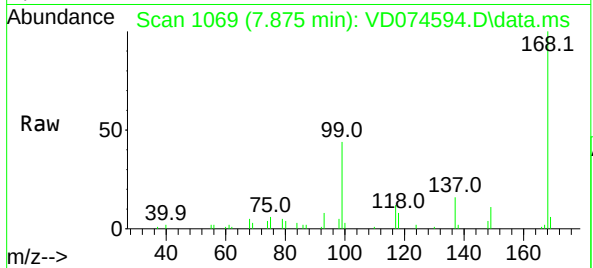




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

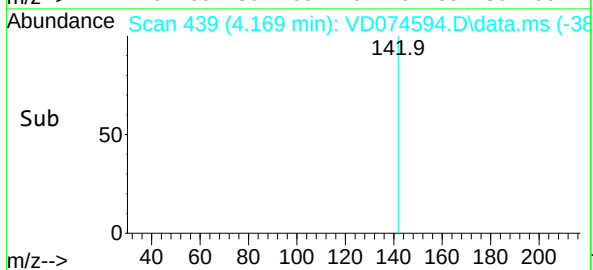
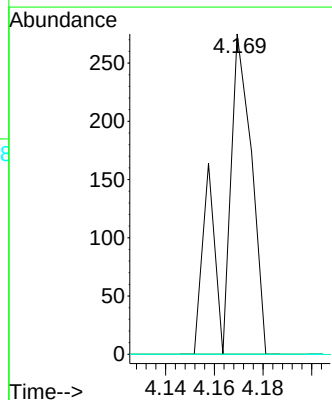
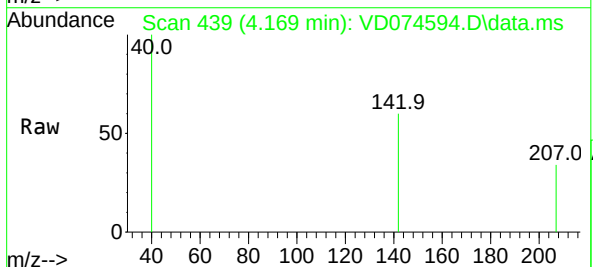
Instrument :
MSVOA_D
ClientSampleId :
WC-8

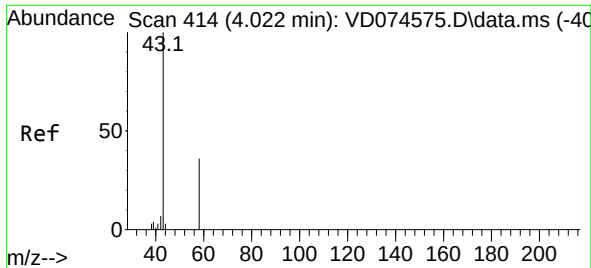
Tgt Ion:168 Resp: 52811
Ion Ratio Lower Upper
168 100
99 44.3 40.9 61.3



#10
Methyl Iodide
Concen: 4.212 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Tgt Ion:142 Resp: 216
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 150.159 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

Instrument :

MSVOA_D

ClientSampleId :

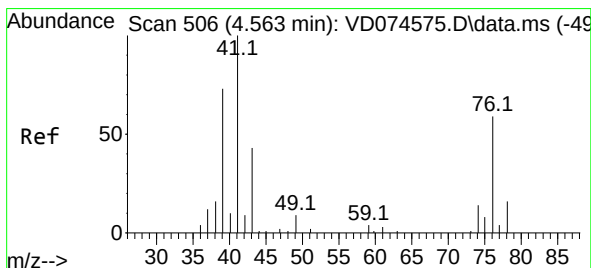
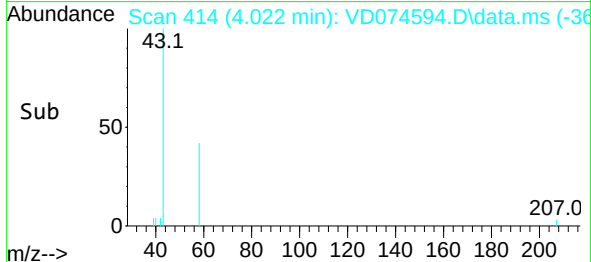
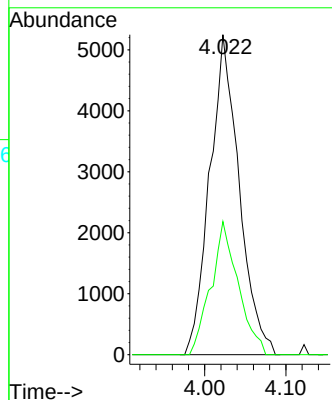
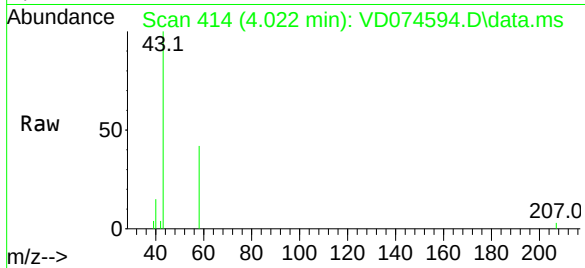
WC-8

Tgt Ion: 43 Resp: 13221

Ion Ratio Lower Upper

43 100

58 41.6 30.2 45.2



#18

Methyl Acetate

Concen: Below Cal

RT: 4.558 min Scan# 505

Delta R.T. -0.000 min

Lab File: VD074594.D

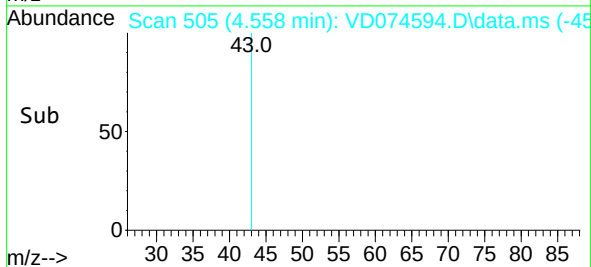
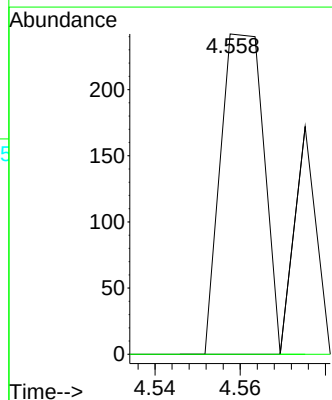
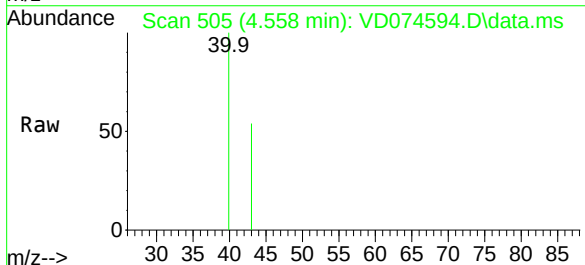
Acq: 20 Oct 2022 13:39

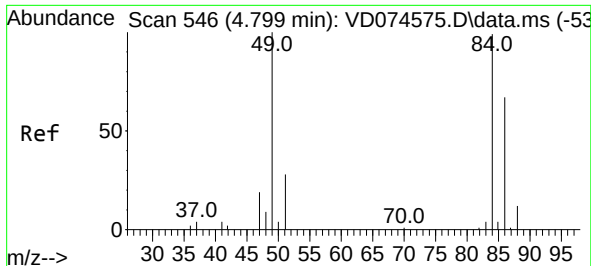
Tgt Ion: 43 Resp: 170

Ion Ratio Lower Upper

43 100

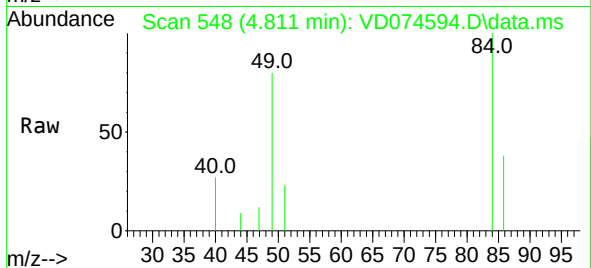
74 0.0 24.7 37.1#



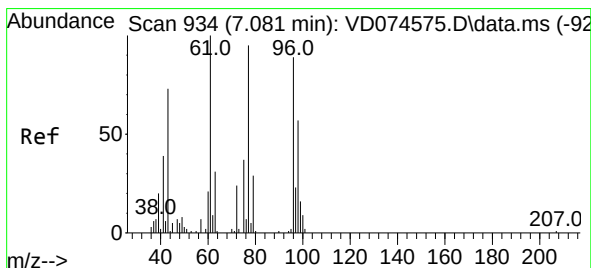
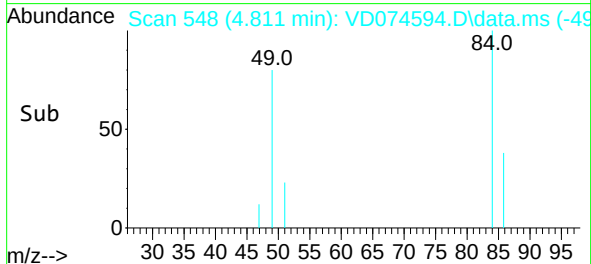
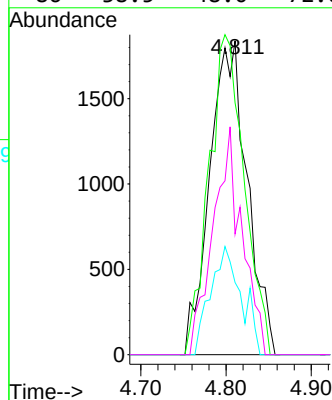


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 546
Delta R.T. 0.012 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Instrument :
MSVOA_D
ClientSampleId :
WC-8

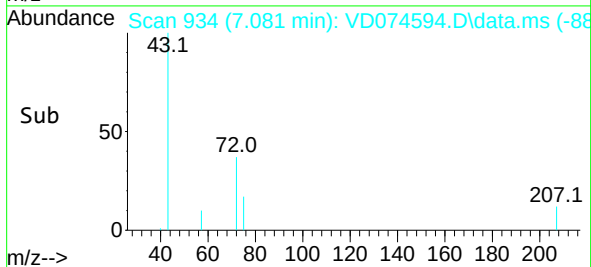
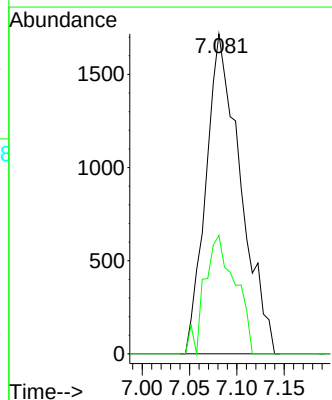
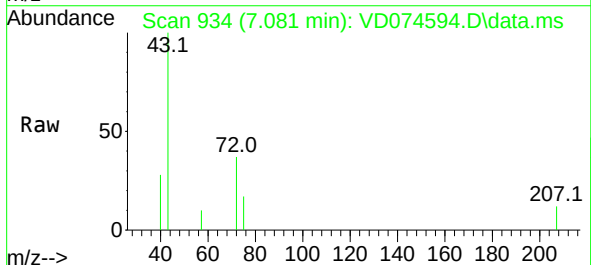


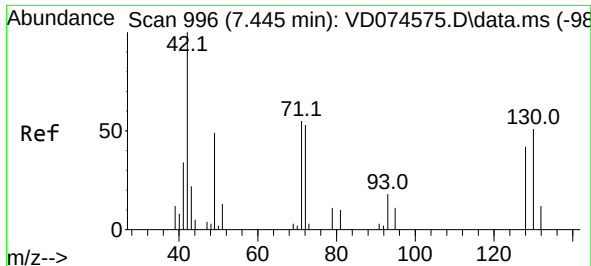
Tgt Ion: 84 Resp: 5611
Ion Ratio Lower Upper
84 100
49 80.3 68.0 102.0
51 23.0 23.2 34.8#
86 38.5 48.0 72.0#



#25
2-Butanone
Concen: 37.049 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Tgt Ion: 43 Resp: 4362
Ion Ratio Lower Upper
43 100
72 37.0 25.8 38.8





#29

Tetrahydrofuran

Concen: 1.137 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

Instrument :

MSVOA_D

ClientSampleId :

WC-8

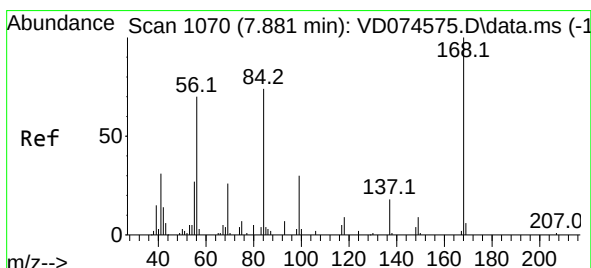
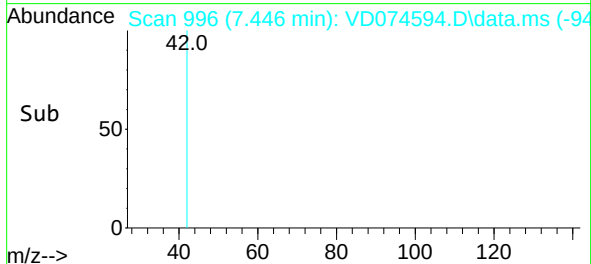
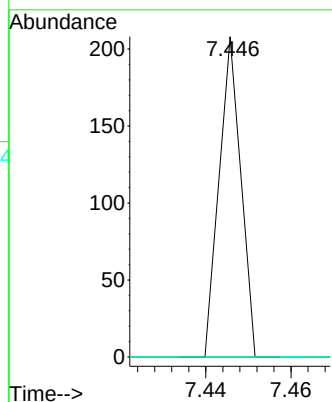
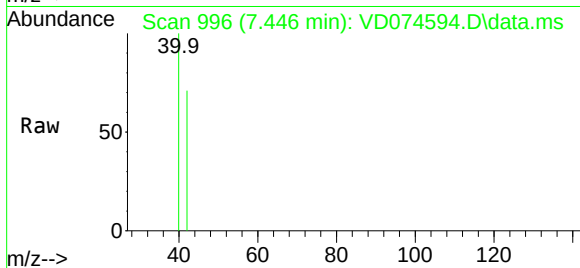
Tgt Ion: 42 Resp: 73

Ion Ratio Lower Upper

42 100

72 0.0 45.8 68.6#

71 0.0 44.6 66.8#



#31

Cyclohexane

Concen: 1.156 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

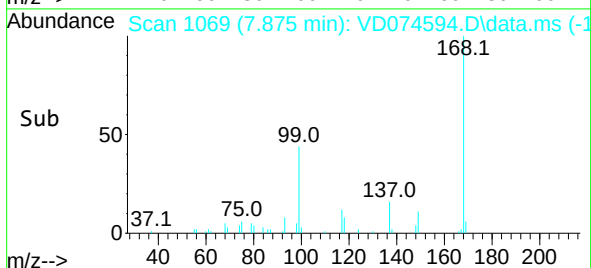
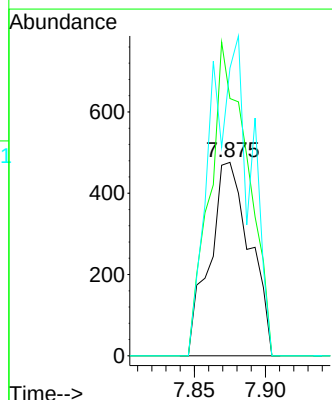
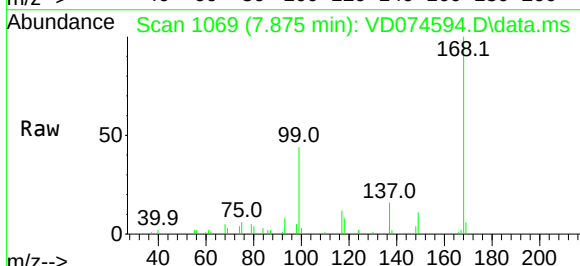
Tgt Ion: 56 Resp: 936

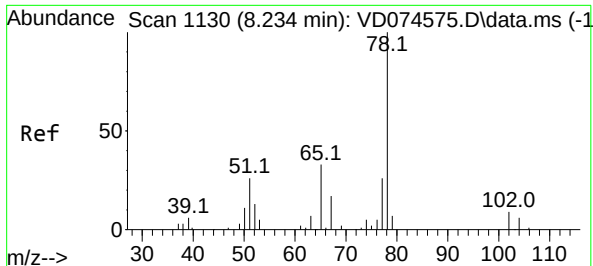
Ion Ratio Lower Upper

56 100

69 133.0 29.2 43.8#

84 148.7 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 27.450 ug/l

RT: 8.228 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

Instrument :

MSVOA_D

ClientSampleId :

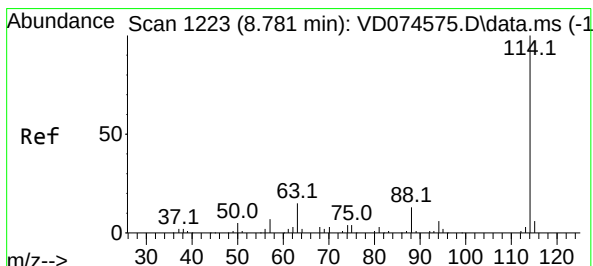
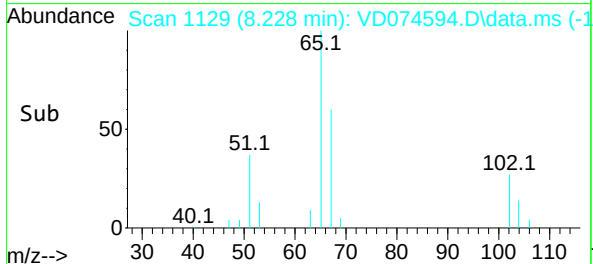
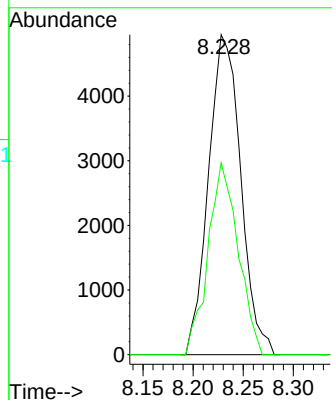
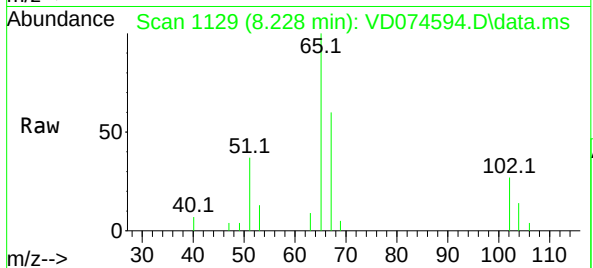
WC-8

Tgt Ion: 65 Resp: 11068

Ion Ratio Lower Upper

65 100

67 56.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

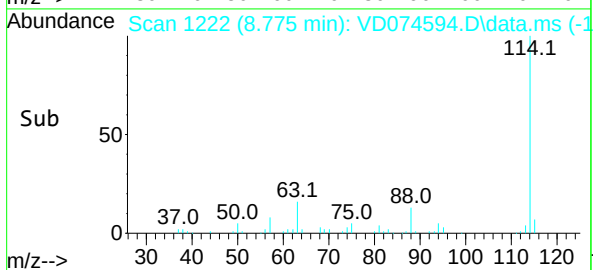
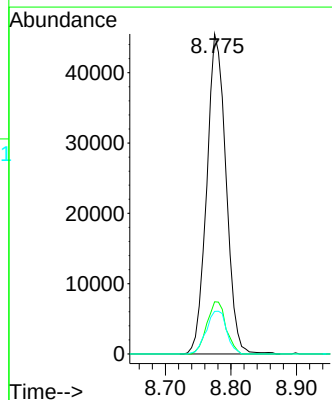
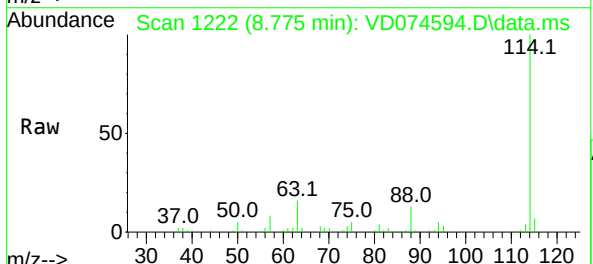
Tgt Ion: 114 Resp: 92895

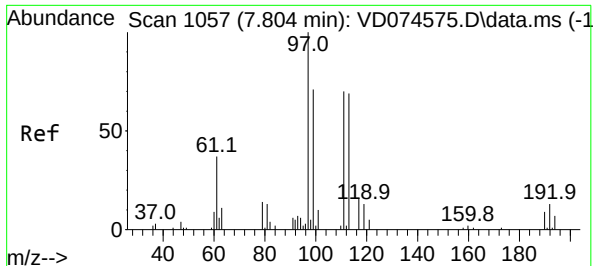
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.2

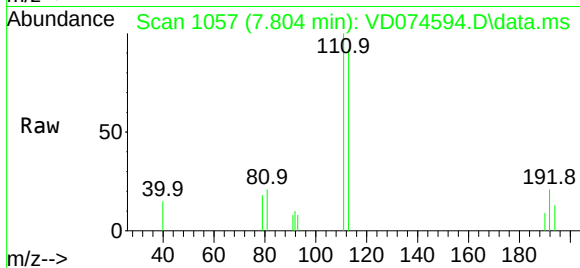
88 13.3 0.0 28.2



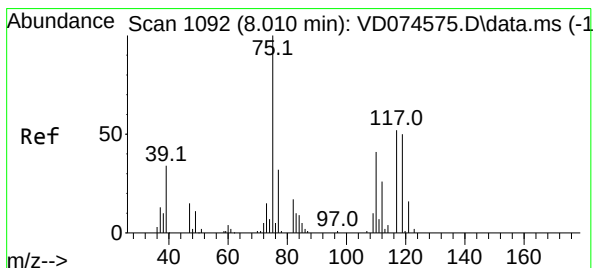
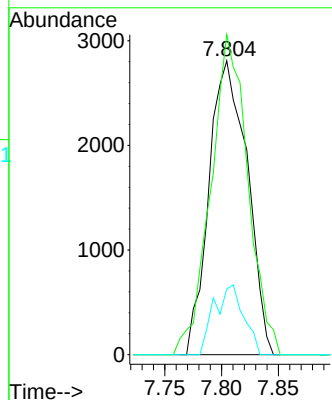
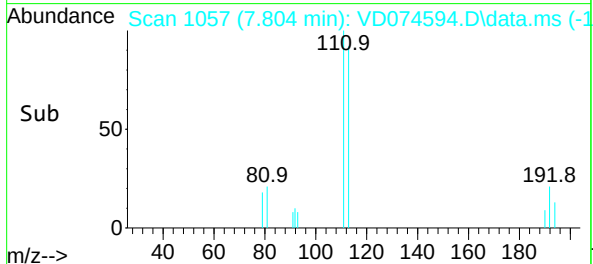


#35
Dibromofluoromethane
Concen: 11.935 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Instrument :
MSVOA_D
ClientSampleId :
WC-8

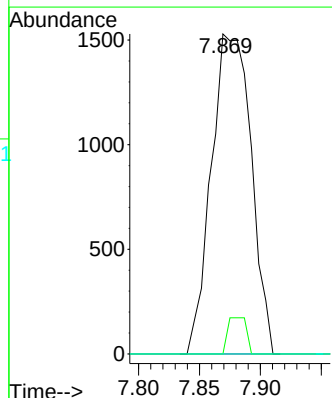
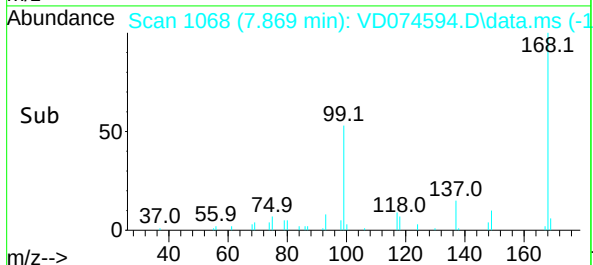
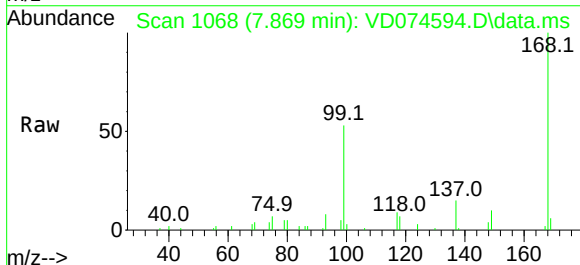


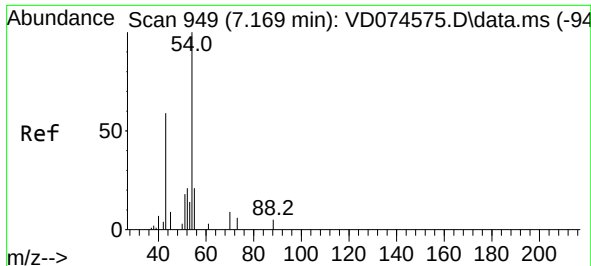
Tgt Ion:113 Resp: 6574
Ion Ratio Lower Upper
113 100
111 105.6 82.3 123.5
192 18.3 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.171 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Tgt Ion: 75 Resp: 3481
Ion Ratio Lower Upper
75 100
110 5.3 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 16.567 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

Instrument :

MSVOA_D

ClientSampleId :

WC-8

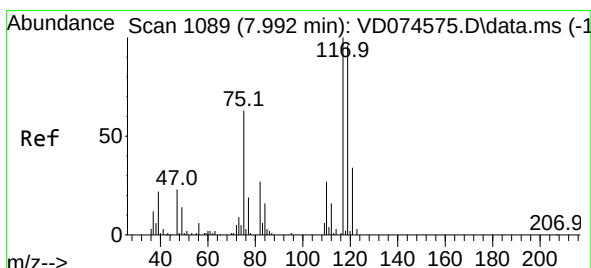
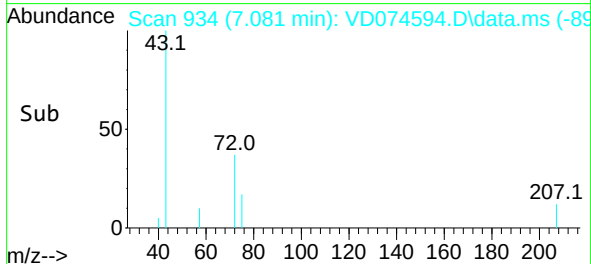
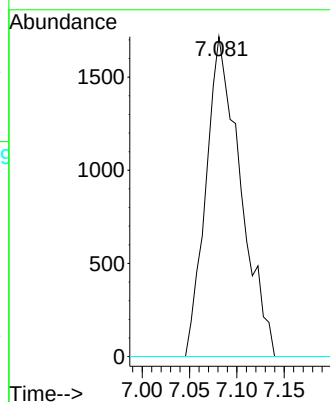
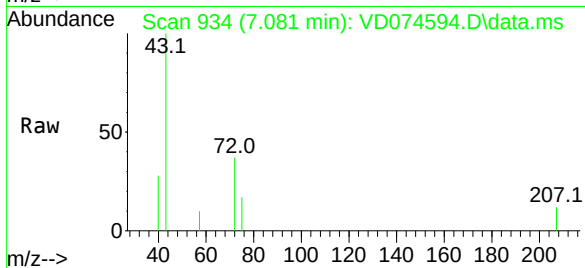
Tgt Ion: 43 Resp: 4362

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.604 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

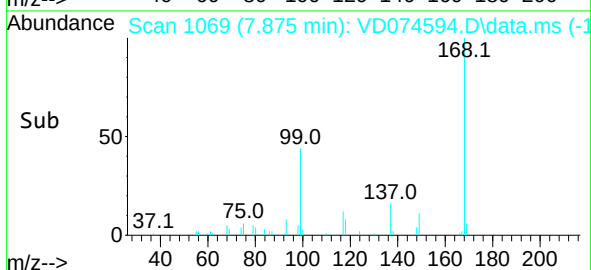
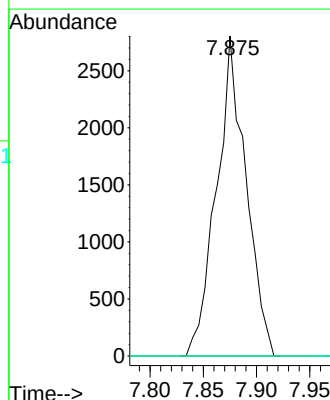
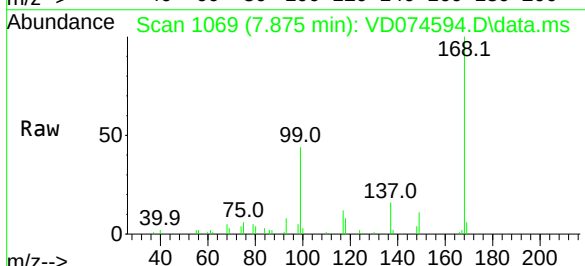
Tgt Ion: 117 Resp: 5397

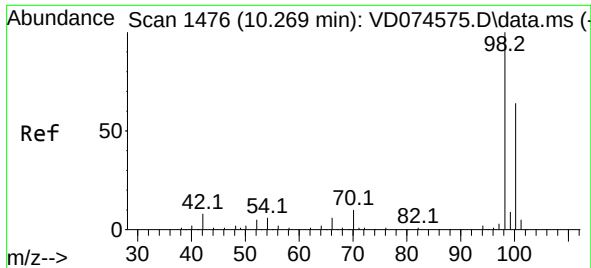
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

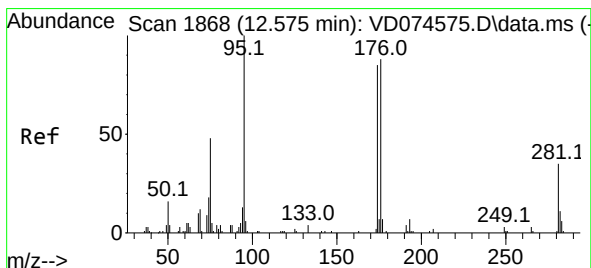
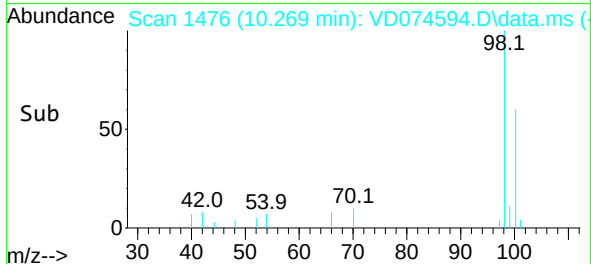
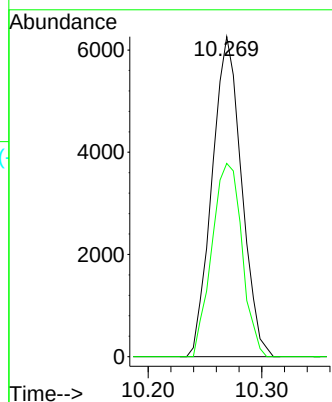
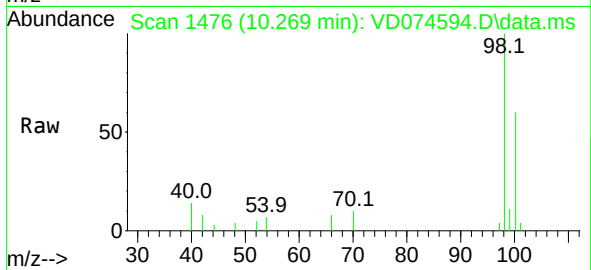




#50
Toluene-d8
Concen: 6.085 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

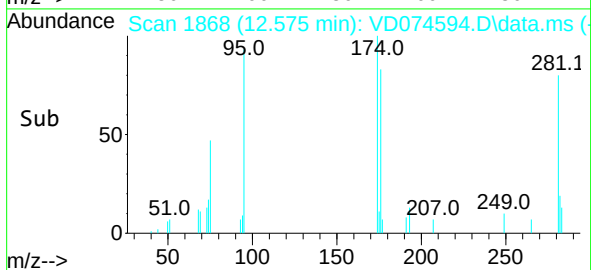
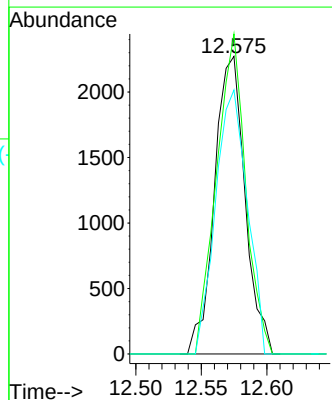
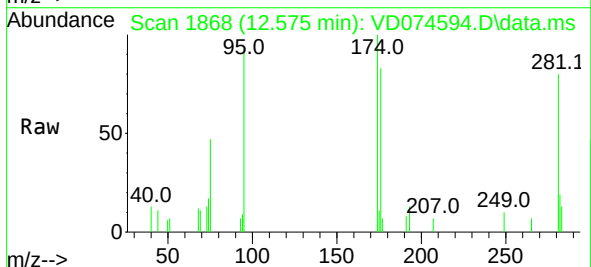
Instrument :
MSVOA_D
ClientSampleId :
WC-8

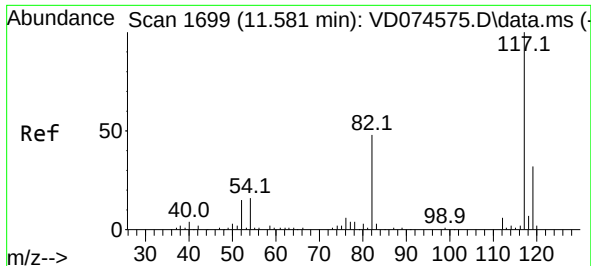
Tgt Ion: 98 Resp: 11314
Ion Ratio Lower Upper
98 100
100 61.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 5.150 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Tgt Ion: 95 Resp: 3684
Ion Ratio Lower Upper
95 100
174 102.6 0.0 197.0
176 91.9 0.0 182.6

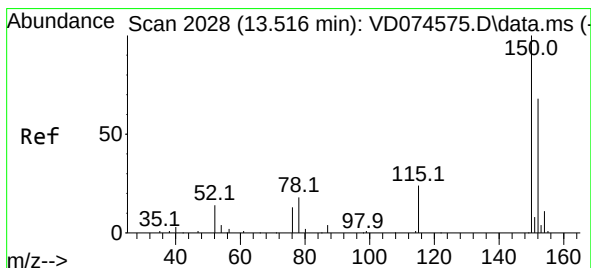
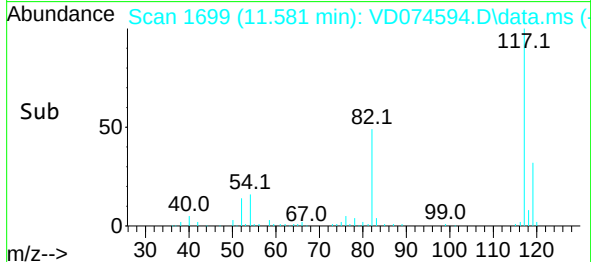
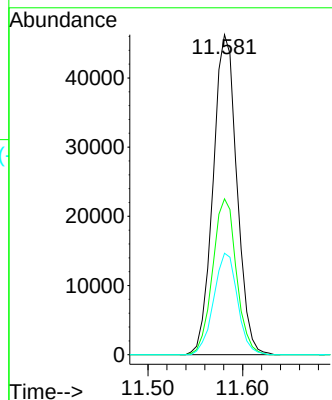
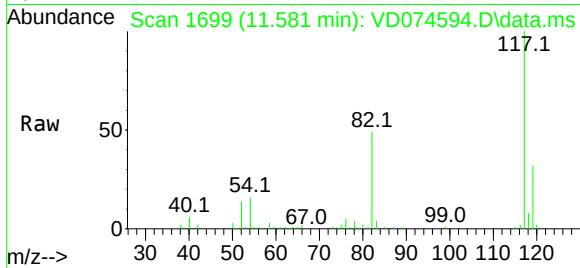




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

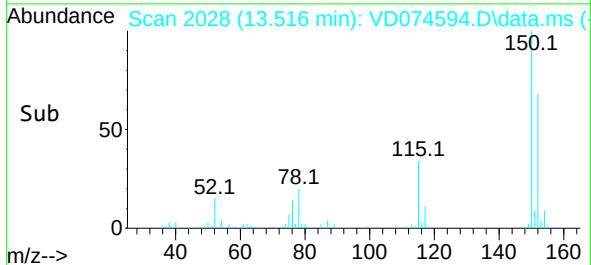
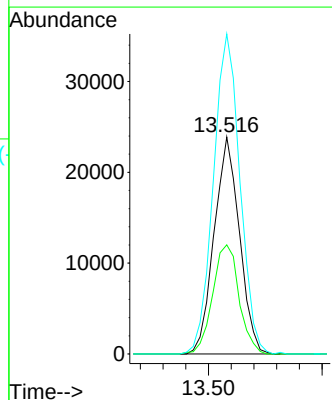
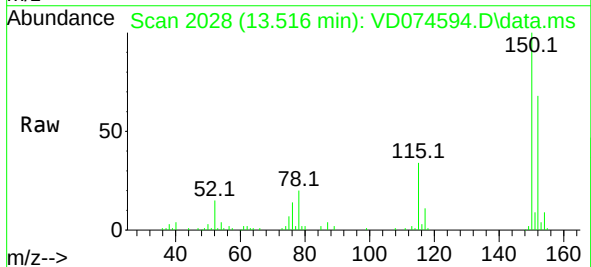
Instrument :
MSVOA_D
ClientSampleId :
WC-8

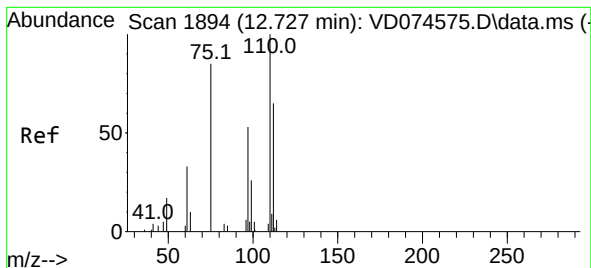
Tgt Ion:117 Resp: 80677
Ion Ratio Lower Upper
117 100
82 48.7 41.6 62.4
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074594.D
Acq: 20 Oct 2022 13:39

Tgt Ion:152 Resp: 36944
Ion Ratio Lower Upper
152 100
115 52.4 26.8 80.4
150 154.7 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 5.208 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.141 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

Instrument :

MSVOA_D

ClientSampleId :

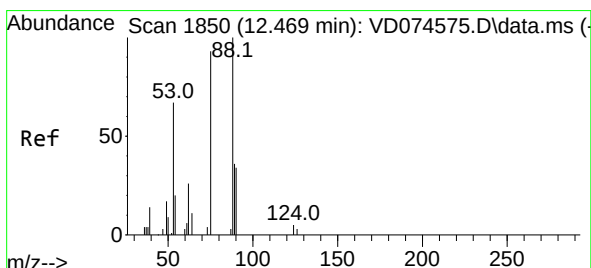
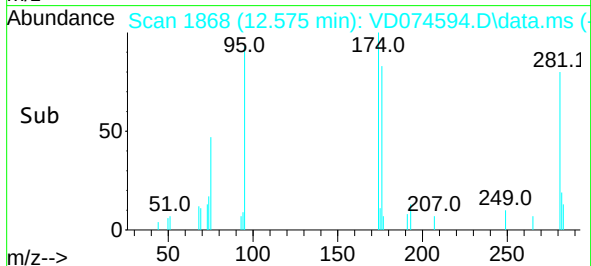
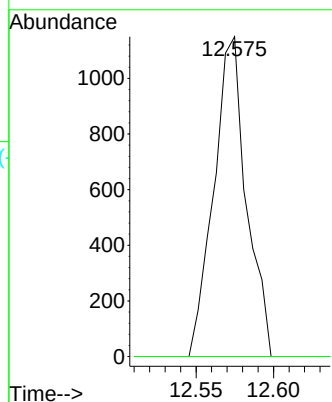
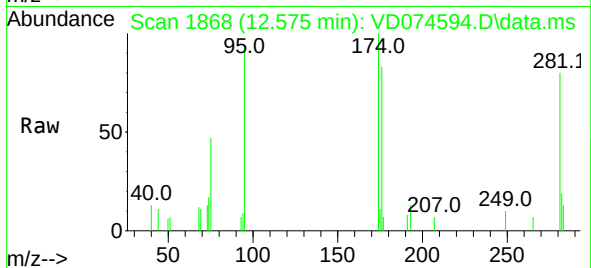
WC-8

Tgt Ion: 75 Resp: 1680

Ion Ratio Lower Upper

75 100

77 0.0 185.8 557.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 13.309 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.112 min

Lab File: VD074594.D

Acq: 20 Oct 2022 13:39

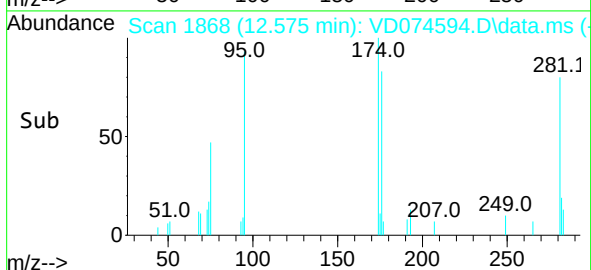
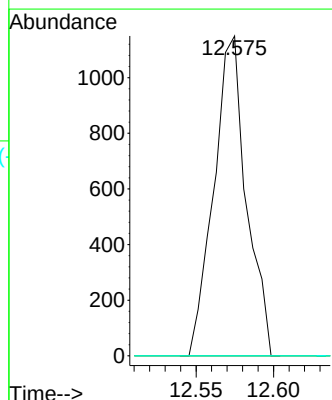
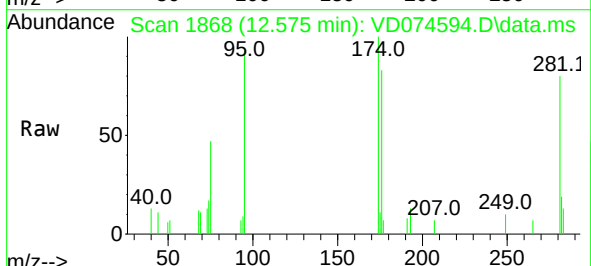
Tgt Ion: 75 Resp: 1680

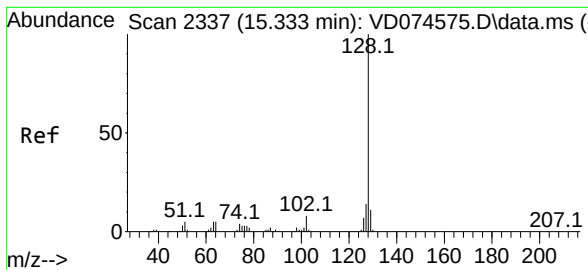
Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.6#

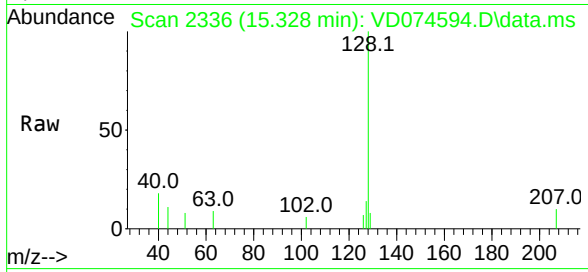
89 0.0 38.2 57.4#





#95
 Naphthalene
 Concen: 3.681 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD074594.D
 Acq: 20 Oct 2022 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-8



Tgt Ion:	128	Resp:	5153
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.6	16.0#
129	6.5	8.3	12.5#

