

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074207.D
 Acq On : 24 Aug 2022 03:26
 Operator : VA/SY
 Sample : N4264-01
 Misc : 5.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3

Quant Time: Aug 24 06:27:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

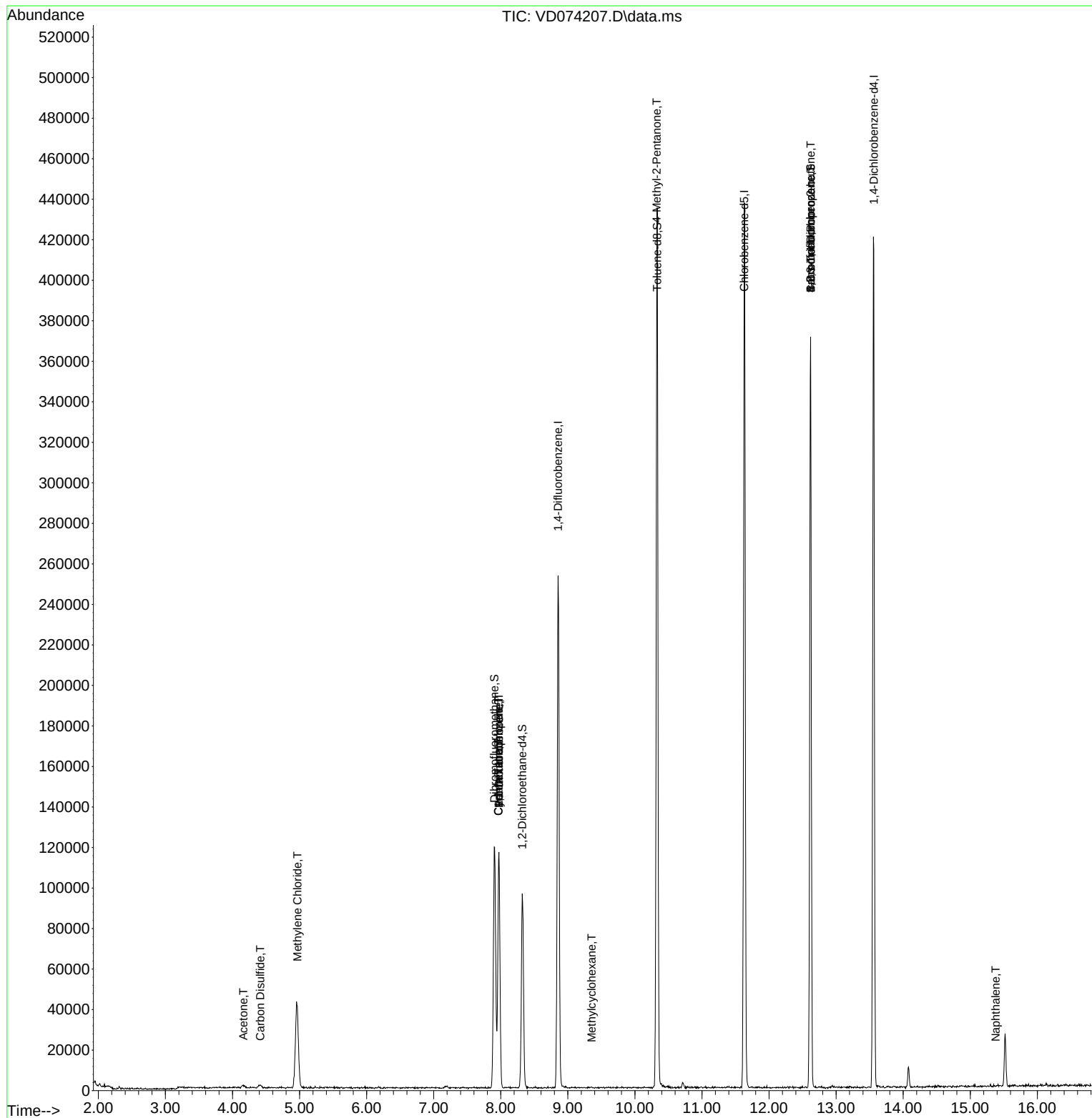
Internal Standards						
1) Pentafluorobenzene	7.973	168	83594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	215828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	250876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	115279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	77907	91.204	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 182.400%#	
35) Dibromofluoromethane	7.903	113	87076	60.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.640%	
50) Toluene-d8	10.332	98	291471	62.733	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.460%	
62) 4-Bromofluorobenzene	12.620	95	113142	61.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 123.280%	
Target Compounds						Qvalue
16) Acetone	4.162	43	2687	16.511	ug/l	92
17) Carbon Disulfide	4.415	76	3234	3.179	ug/l #	74
18) Methyl Acetate	4.985	43	54	Below Cal	#	55
20) Methylene Chloride	4.967	84	32550	28.854	ug/l #	88
31) Cyclohexane	7.967	56	1941	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	7142	3.273	ug/l #	51
38) Carbon Tetrachloride	7.967	117	8730	3.725	ug/l #	18
39) Methylcyclohexane	9.355	83	76	2.241	ug/l #	17
51) 4-Methyl-2-Pentanone	10.326	43	1271	1.470	ug/l #	1
71) Bromoform	12.620	173	1217	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	56989	50.629	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	56989	130.201	ug/l #	7
95) Naphthalene	15.379	128	85	3.446	ug/l #	70

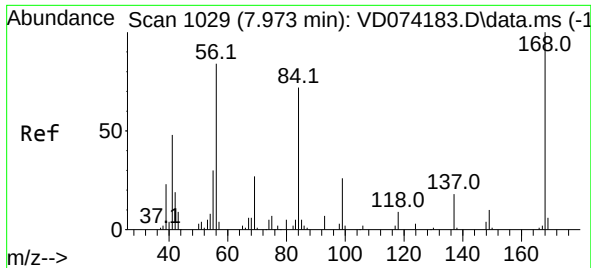
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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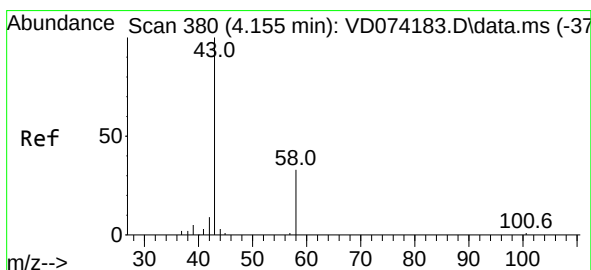
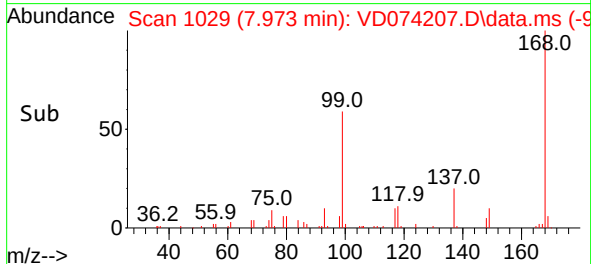
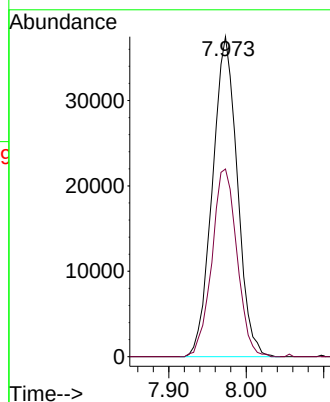
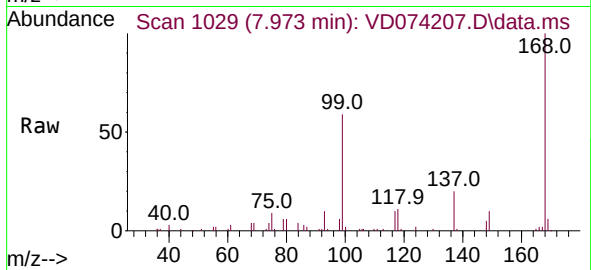




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

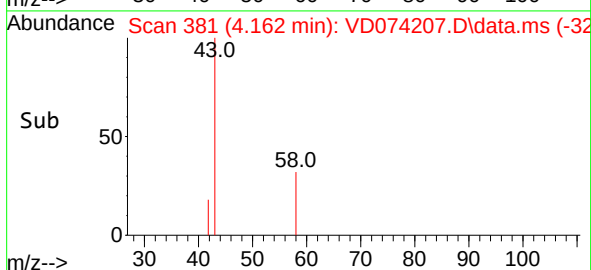
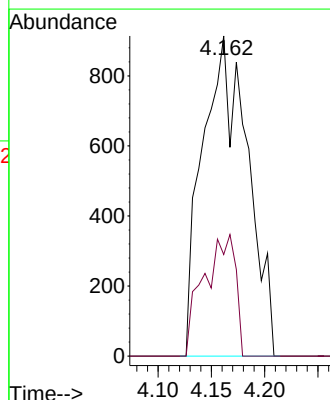
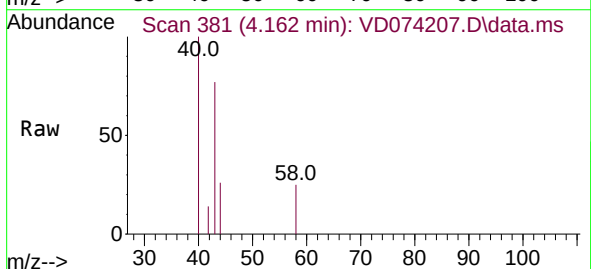
Instrument :
MSVOA_D
ClientSampleId :
B-3

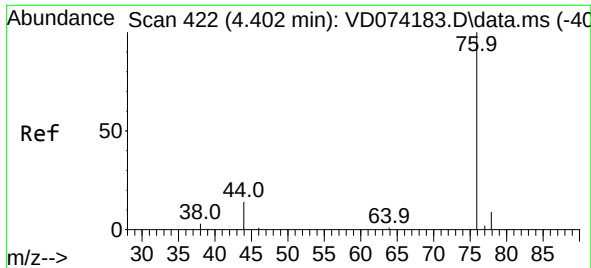
Tgt Ion:168 Resp: 83594
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#16
Acetone
Concen: 16.511 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
58 31.7 22.1 33.1





#17

Carbon Disulfide

Concen: 3.179 ug/l

RT: 4.415 min Scan# 41

Delta R.T. 0.013 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

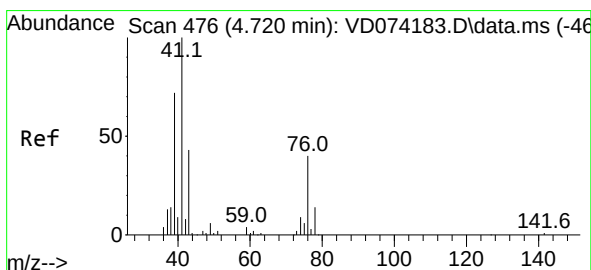
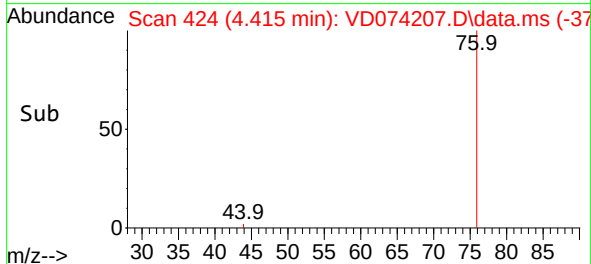
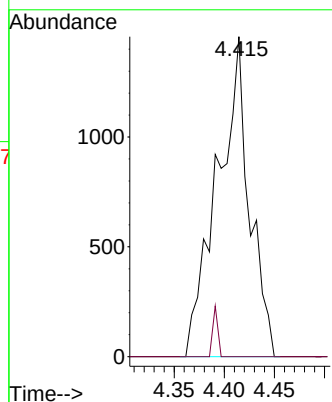
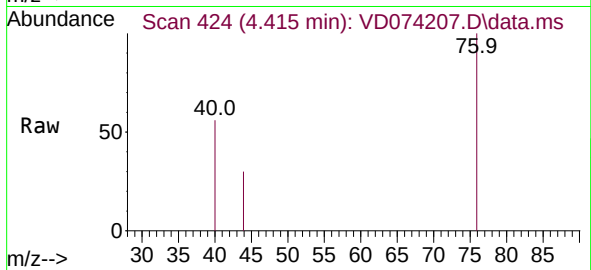
B-3

Tgt Ion: 76 Resp: 3234

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.985 min Scan# 521

Delta R.T. 0.265 min

Lab File: VD074207.D

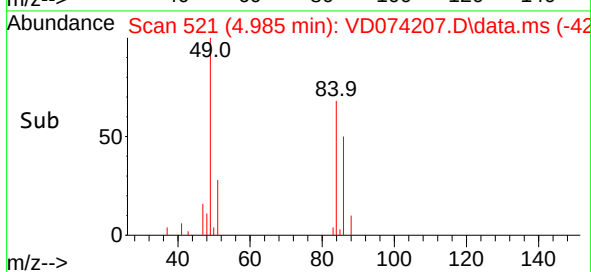
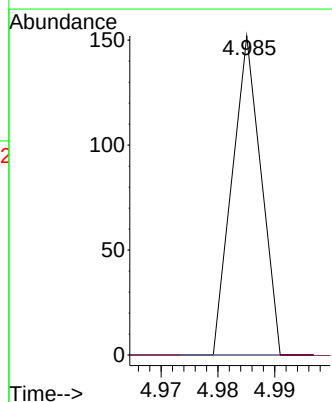
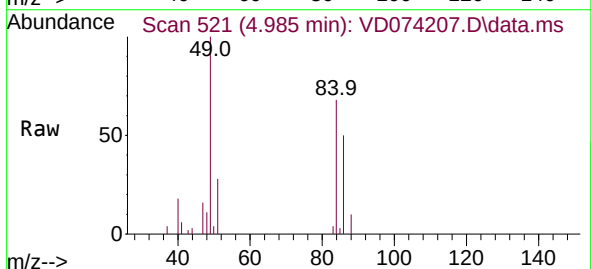
Acq: 24 Aug 2022 03:26

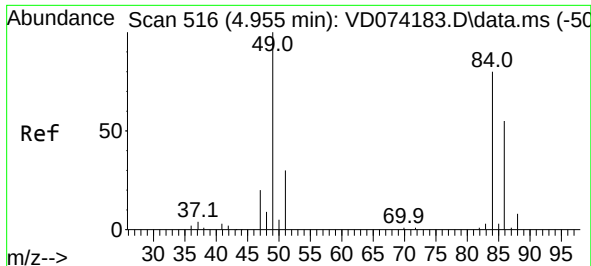
Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#

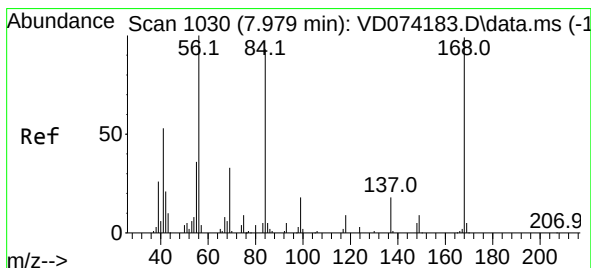
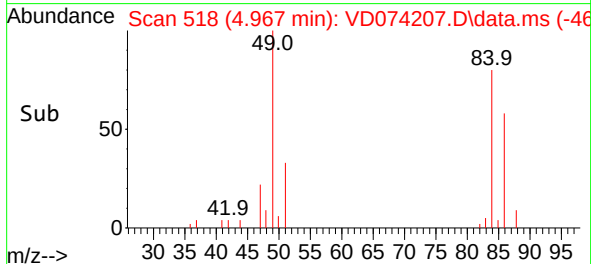
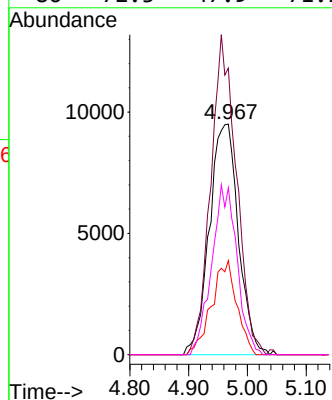
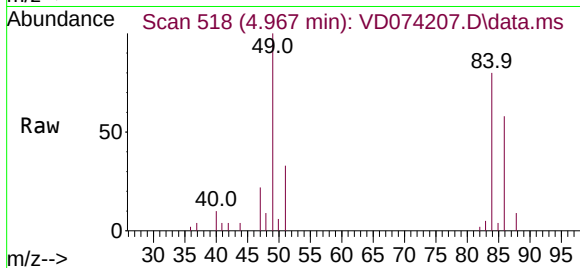




#20
Methylene Chloride
Concen: 28.854 ug/l
RT: 4.967 min Scan# 516
Delta R.T. 0.012 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

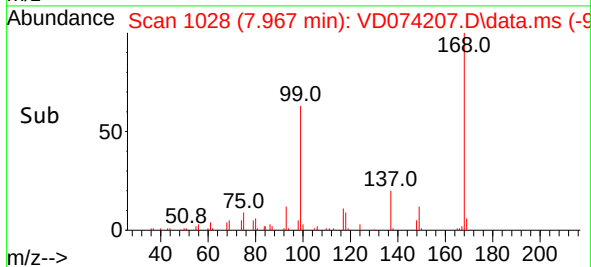
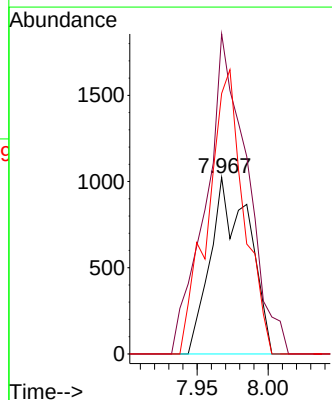
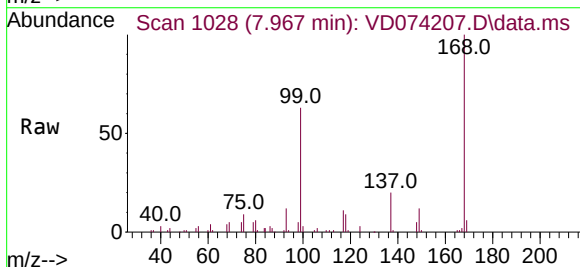
Instrument :
MSVOA_D
ClientSampleId :
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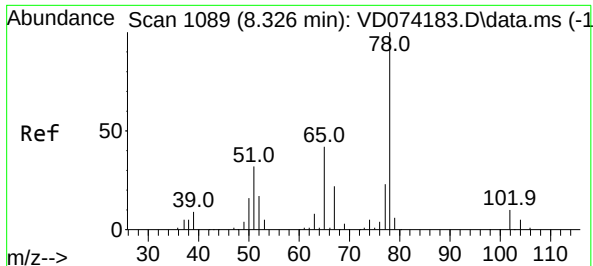
Tgt Ion:	84	Resp:	32550
Ion	Ratio	Lower	Upper
84	100		
49	124.3	112.8	169.2
51	40.8	32.6	48.8
86	72.3	47.9	71.9#



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Tgt Ion:	56	Resp:	1941
Ion	Ratio	Lower	Upper
56	100		
69	162.7	25.4	38.2#
84	147.6	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 91.204 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

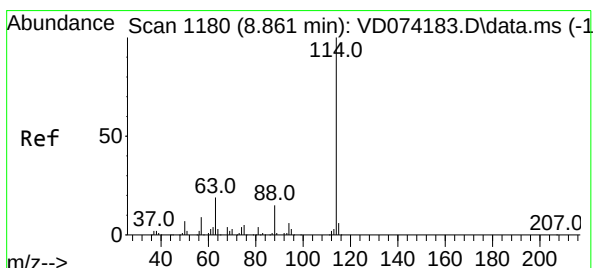
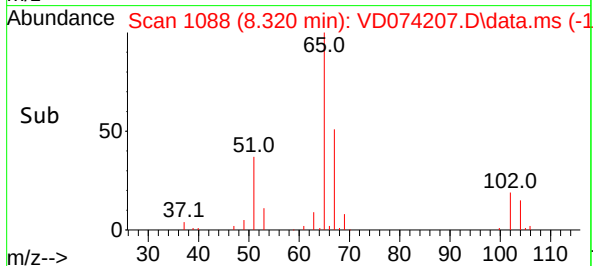
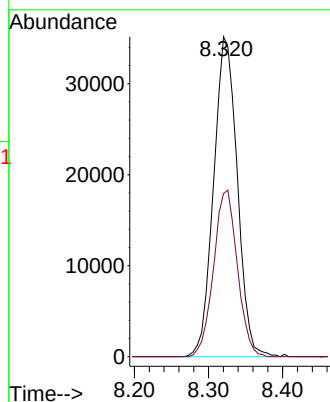
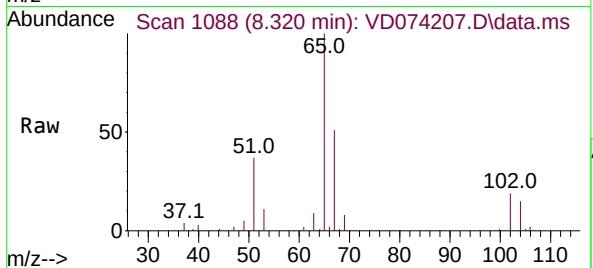
B-3

Tgt Ion: 65 Resp: 77907

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

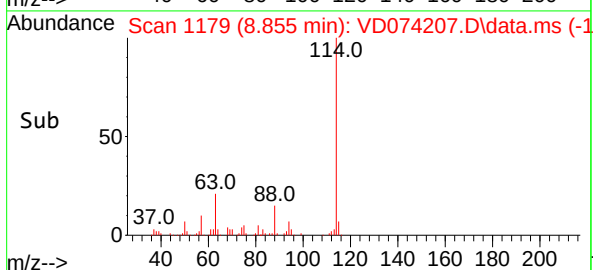
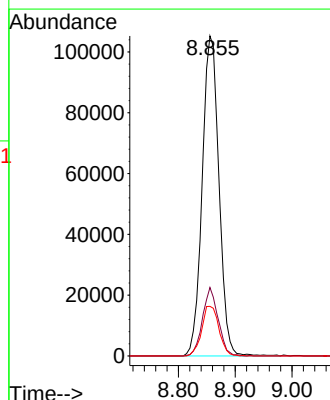
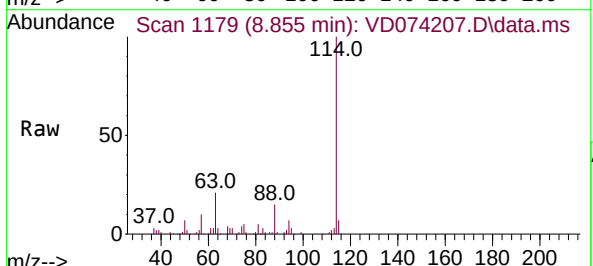
Tgt Ion: 114 Resp: 215828

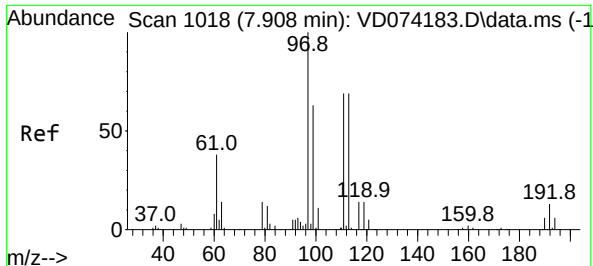
Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 60.317 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

B-3

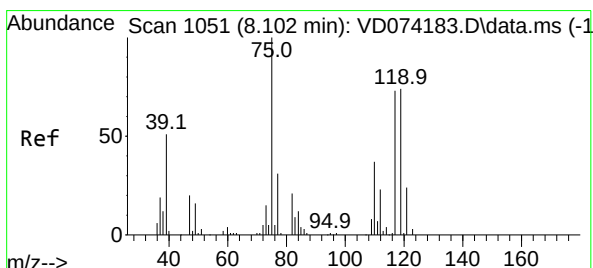
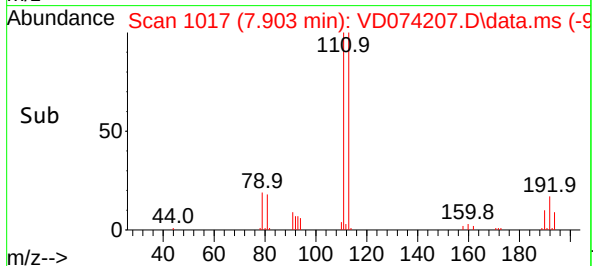
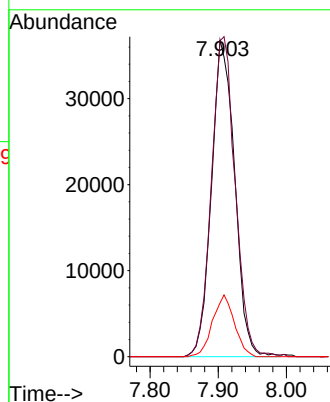
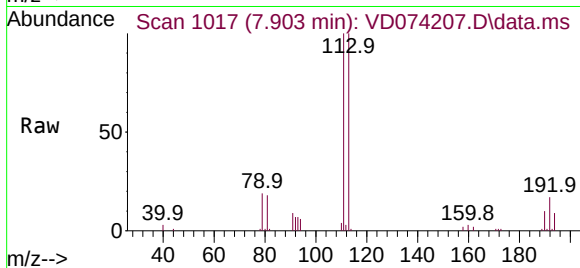
Tgt Ion:113 Resp: 87076

Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.273 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

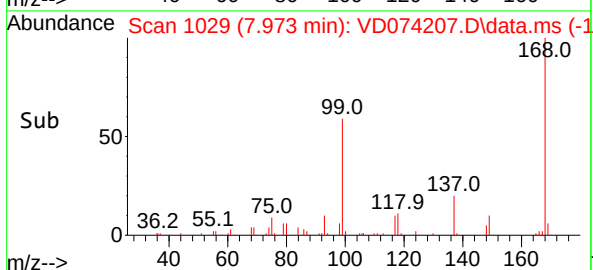
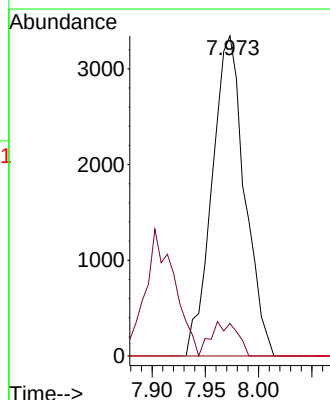
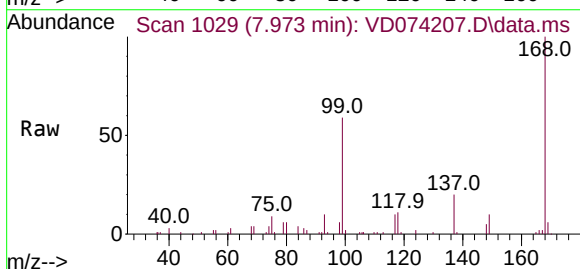
Tgt Ion: 75 Resp: 7142

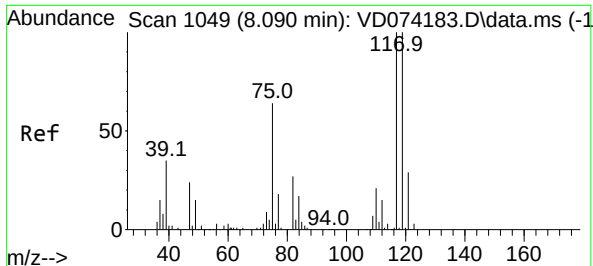
Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

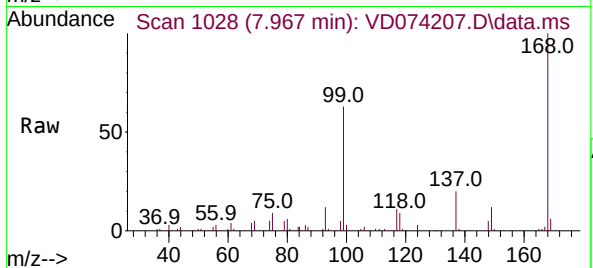
77 0.0 24.2 36.2#



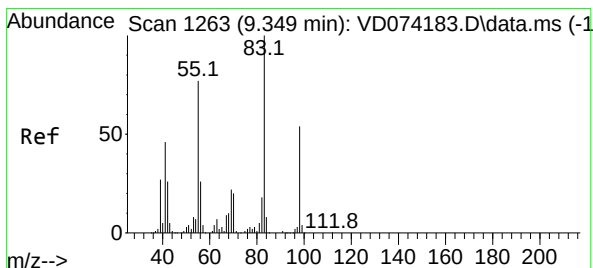
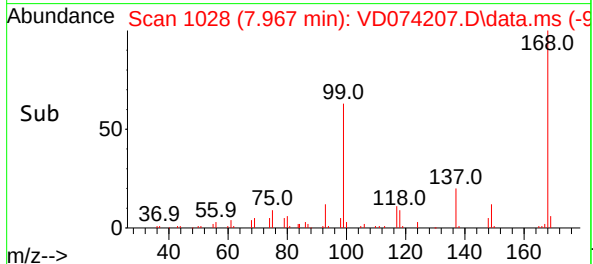
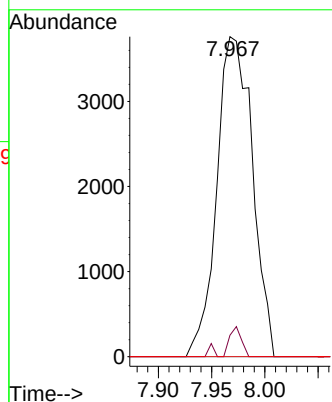


#38
Carbon Tetrachloride
Concen: 3.725 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Instrument :
MSVOA_D
ClientSampleId :
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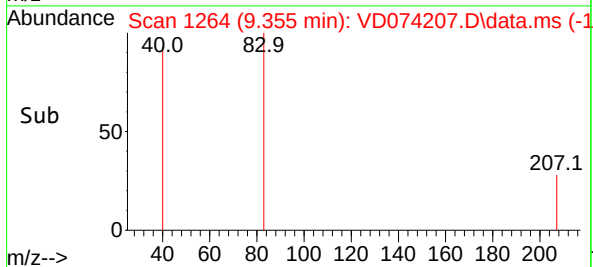
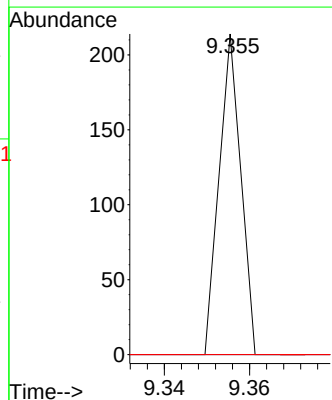
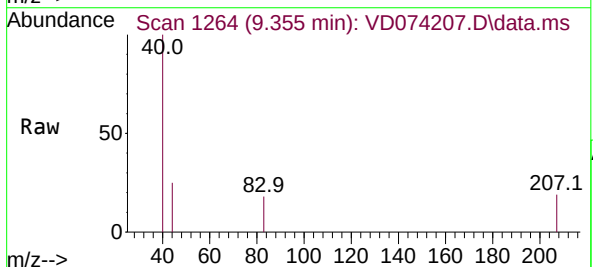


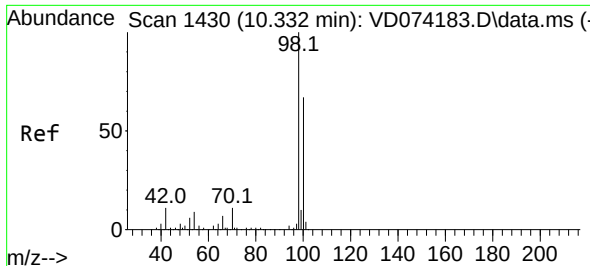
Tgt Ion:117 Resp: 8730
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.241 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Tgt Ion: 83 Resp: 76
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

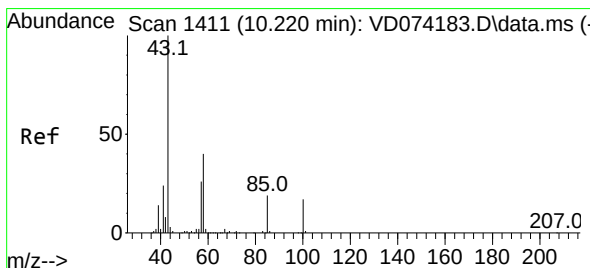
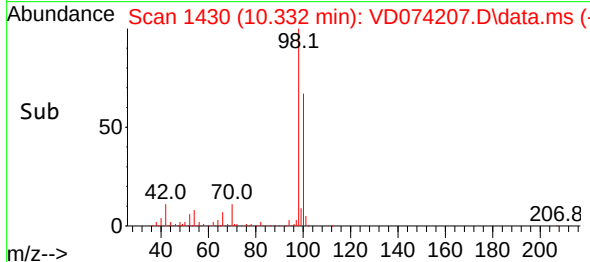
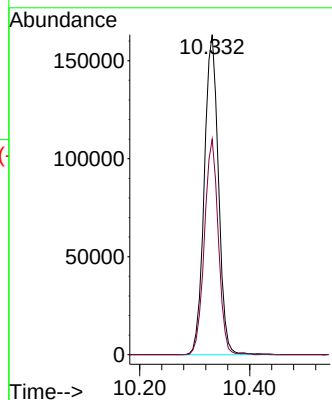
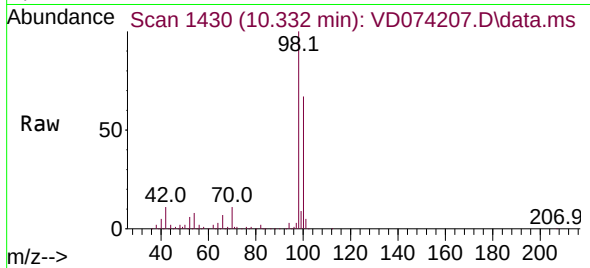




#50
Toluene-d8
Concen: 62.733 ug/l
RT: 10.332 min Scan# 1429
Delta R.T. -0.000 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

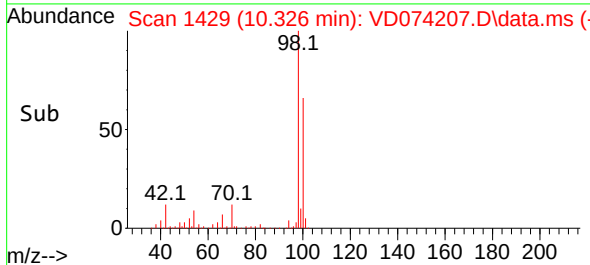
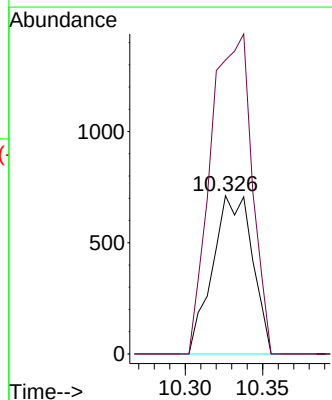
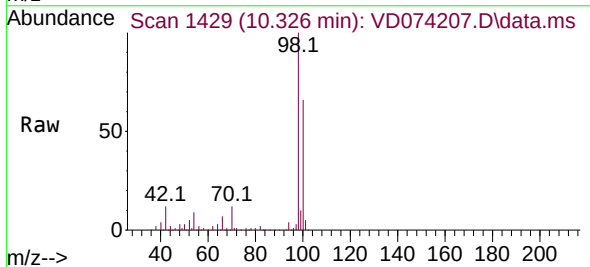
Instrument :
MSVOA_D
ClientSampleId :
B-3

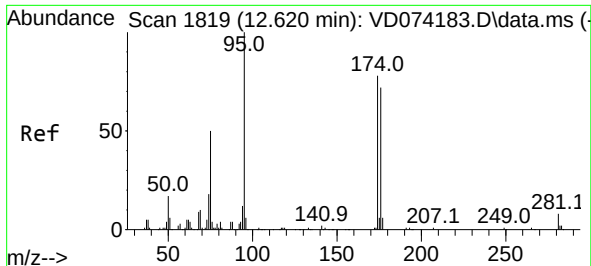
Tgt Ion: 98 Resp: 291471
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.470 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 208.2 28.6 43.0#

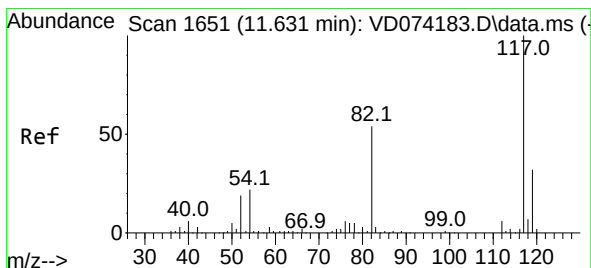
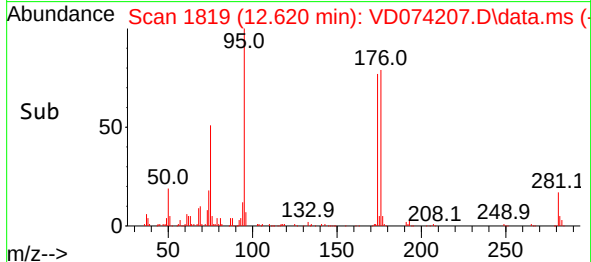
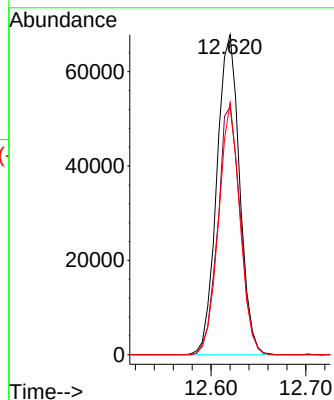
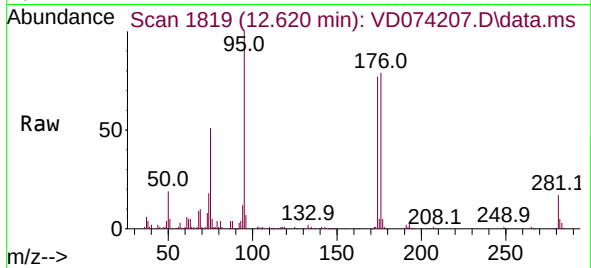




#62
4-Bromofluorobenzene
Concen: 61.640 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

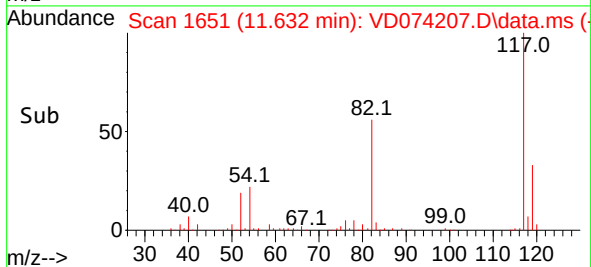
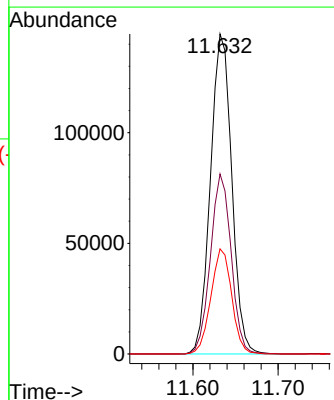
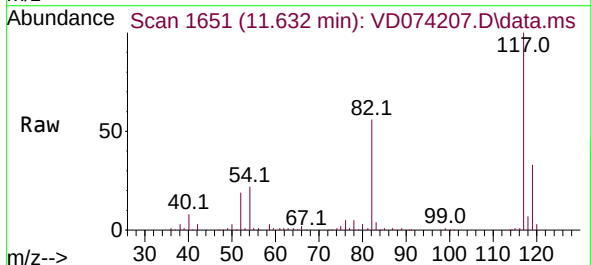
Instrument :
MSVOA_D
ClientSampleId :
B-3

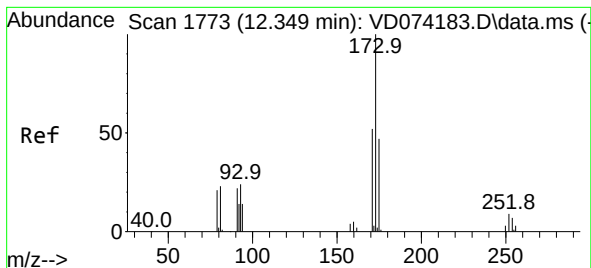
Tgt Ion: 95 Resp: 113142
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 73.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Tgt Ion: 117 Resp: 250876
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 32.8 26.6 40.0





#71

Bromoform

Concen: 1.089 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.271 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

B-3

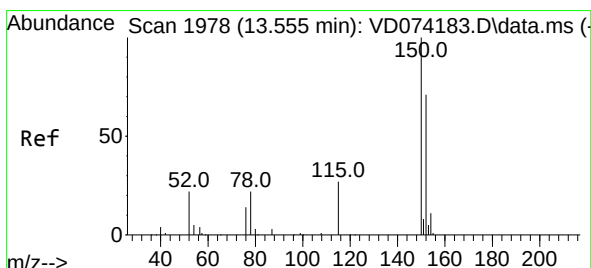
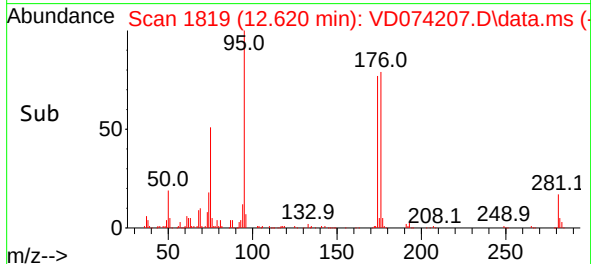
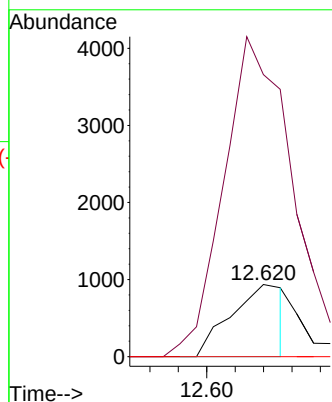
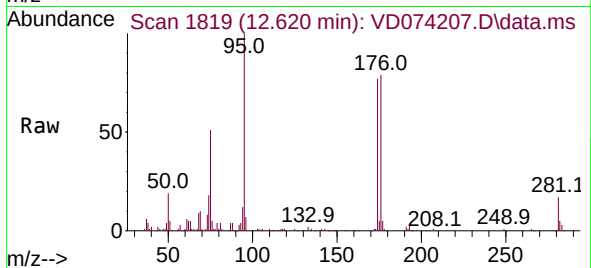
Tgt Ion:173 Resp: 1217

Ion Ratio Lower Upper

173 100

175 466.0 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.006 min

Lab File: VD074207.D

Acq: 24 Aug 2022 03:26

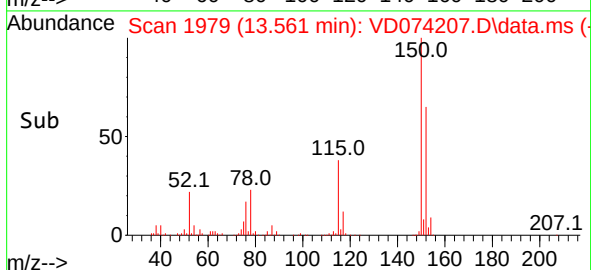
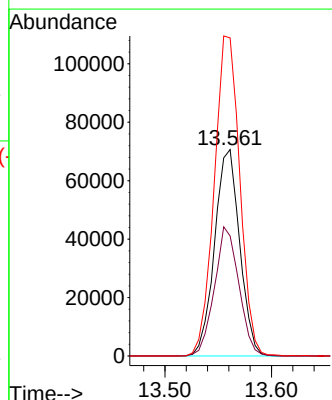
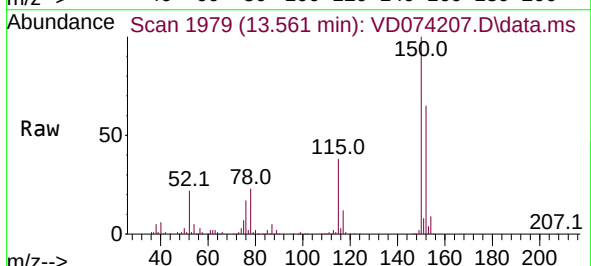
Tgt Ion:152 Resp: 115279

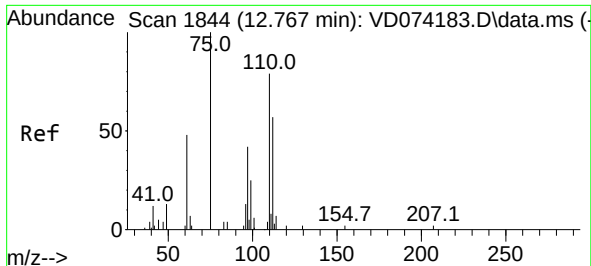
Ion Ratio Lower Upper

152 100

115 61.1 31.3 93.8

150 158.2 0.0 348.6

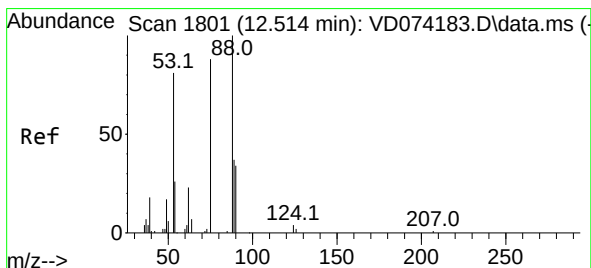
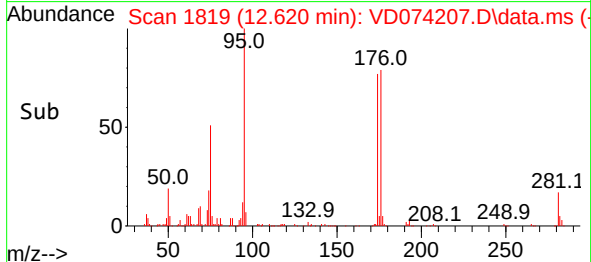
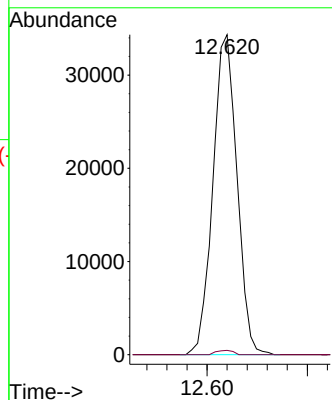
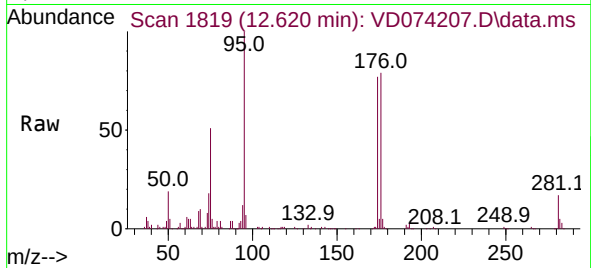




#76
1,2,3-Trichloropropane
Concen: 50.629 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

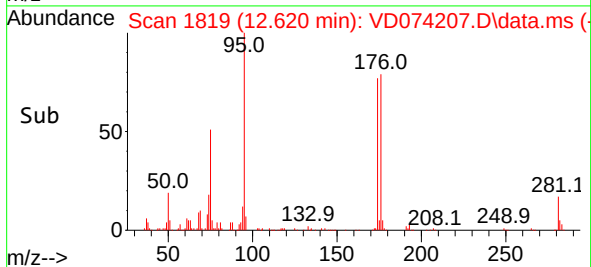
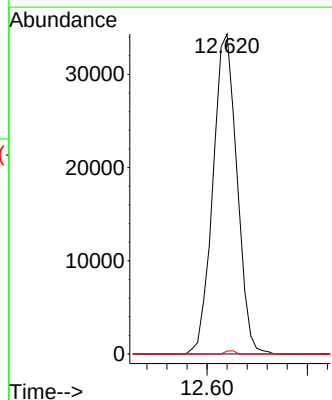
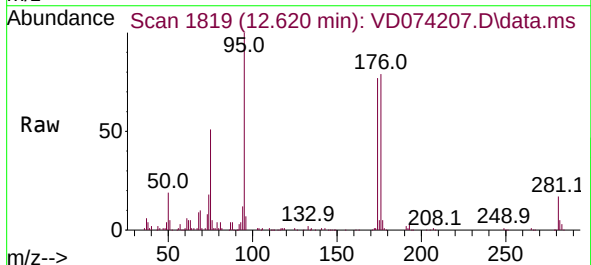
Instrument :
MSVOA_D
ClientSampleId :
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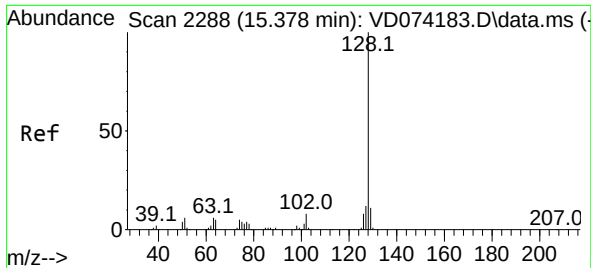
Tgt Ion: 75 Resp: 56989
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.201 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074207.D
Acq: 24 Aug 2022 03:26

Tgt Ion: 75 Resp: 56989
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.4 33.9 50.9#





#95
 Naphthalene
 Concen: 3.446 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD074207.D
 Acq: 24 Aug 2022 03:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

