

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076299.D
 Acq On : 31 May 2023 22:26
 Operator : KP/SY
 Sample : 02985-01
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PLYMOUTH-ENG-001

Quant Time: Jun 01 01:45:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

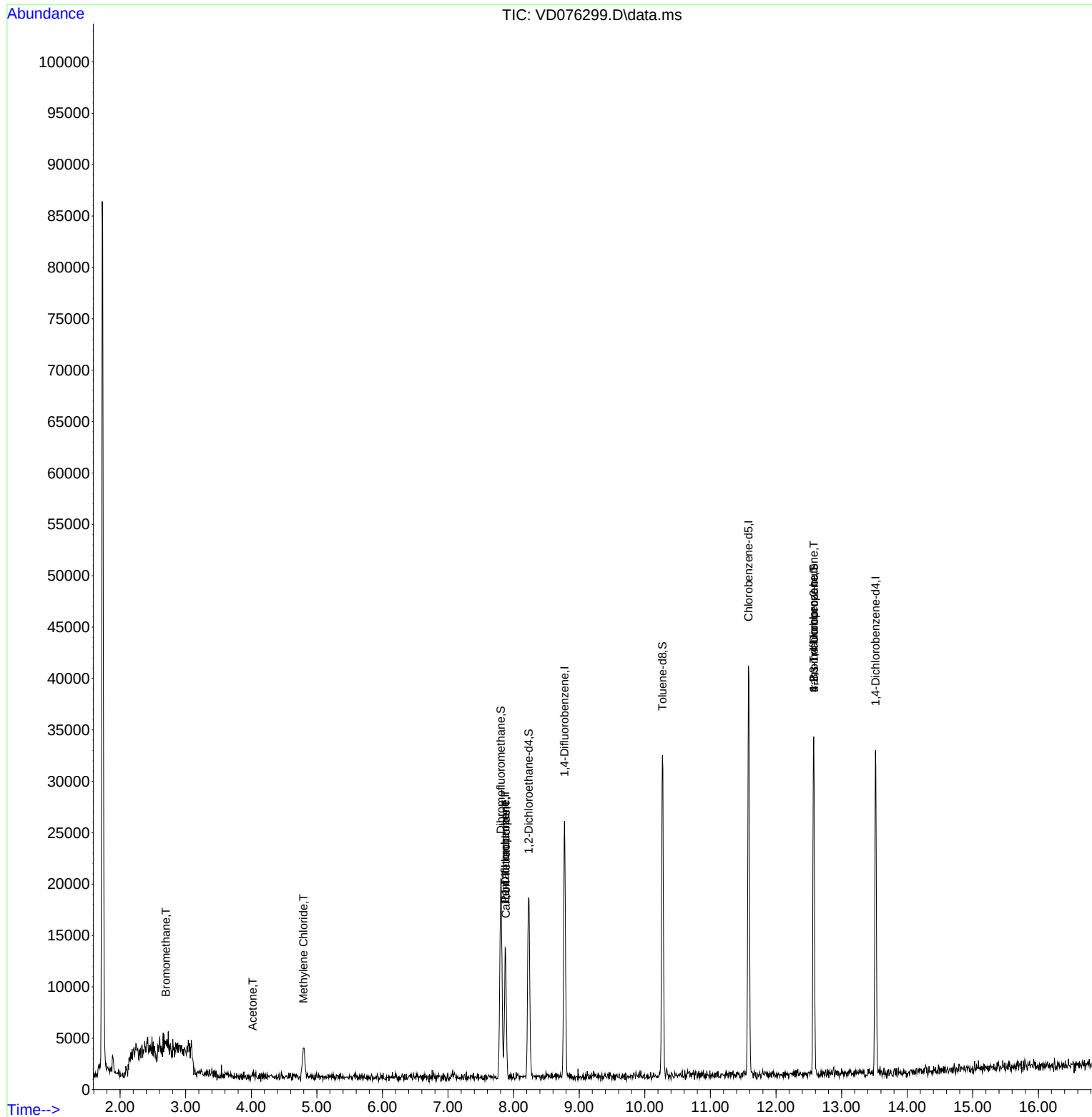
Internal Standards						
1) Pentafluorobenzene	7.869	168	10812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	24844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	26441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	14546	139.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 278.400%#	
35) Dibromofluoromethane	7.805	113	13317	77.548	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.100%#	
50) Toluene-d8	10.269	98	24384	36.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 72.840%	
62) 4-Bromofluorobenzene	12.575	95	9859	53.017	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	67	Below Cal	#	40
5) Bromomethane	2.699	94	420	2.966	ug/l #	24
16) Acetone	4.022	43	88	4.233	ug/l #	44
20) Methylene Chloride	4.793	84	2341	6.352	ug/l #	79
36) 1,1-Dichloropropene	7.875	75	661	2.850	ug/l #	42
38) Carbon Tetrachloride	7.881	117	935	4.463	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	5075	57.409	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	5075	120.434	ug/l #	5

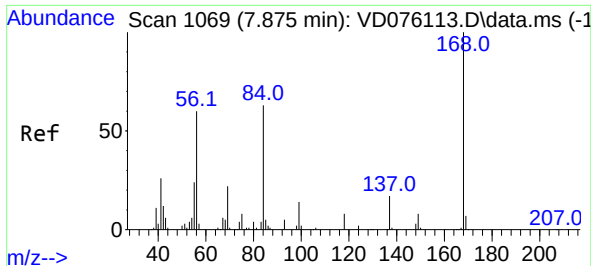
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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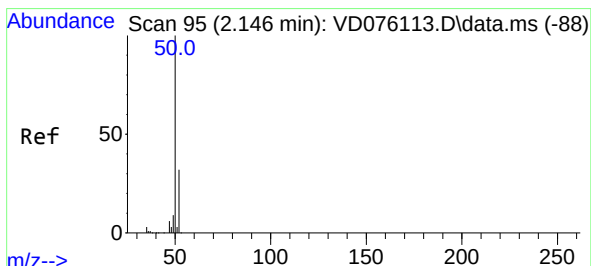
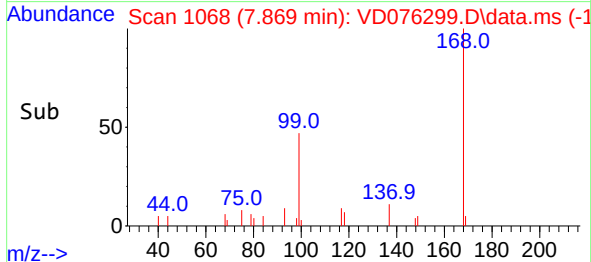
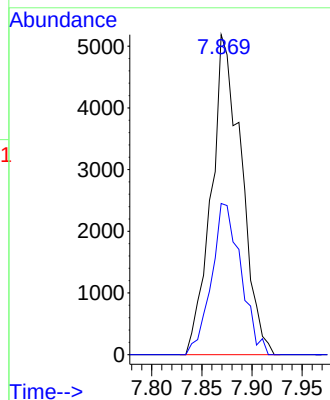
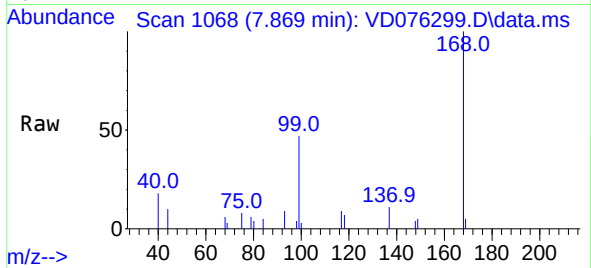




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

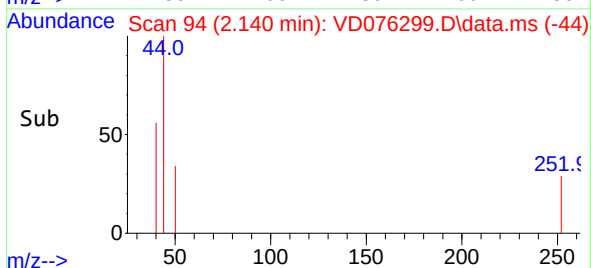
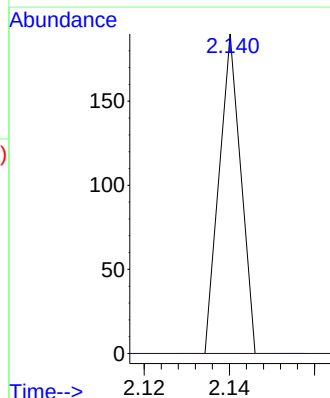
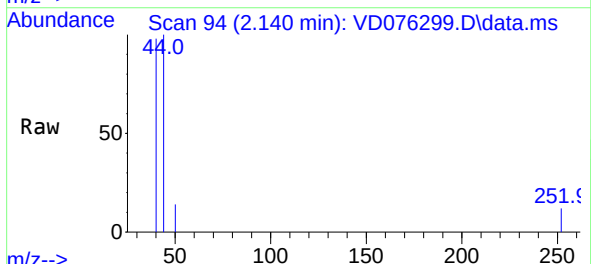
Instrument :
MSVOA_D
ClientSampleId :
PLYMOUTH-ENG-001

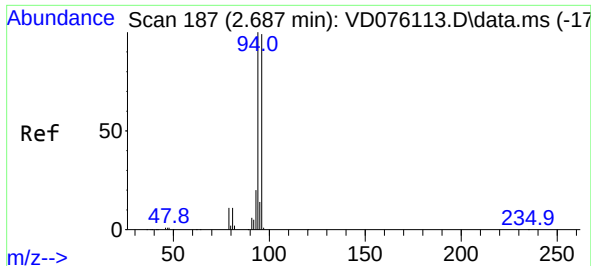
Tgt Ion:168 Resp: 10812
Ion Ratio Lower Upper
168 100
99 47.2 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

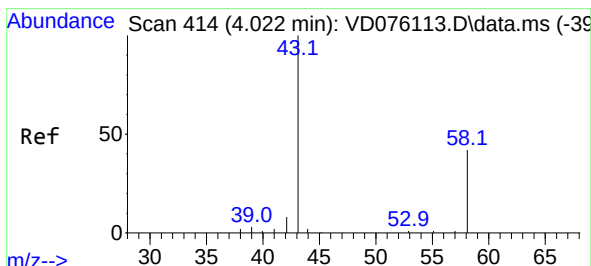
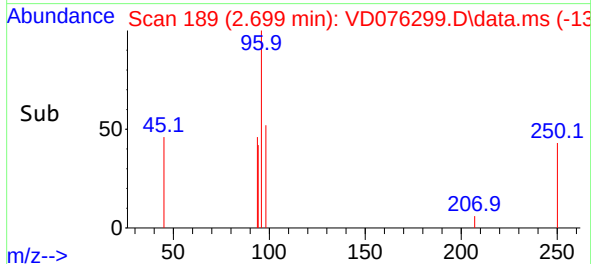
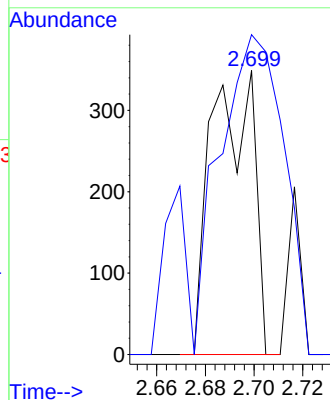
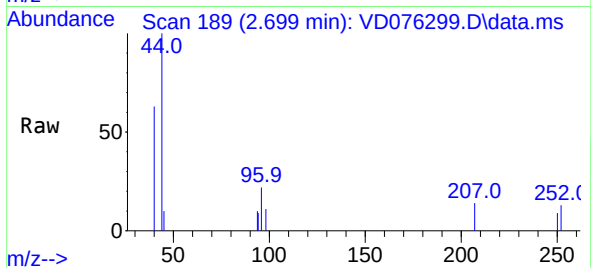




#5
Bromomethane
Concen: 2.966 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

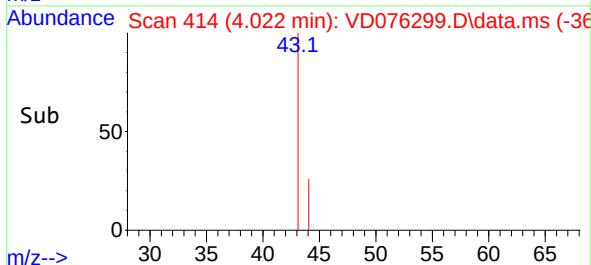
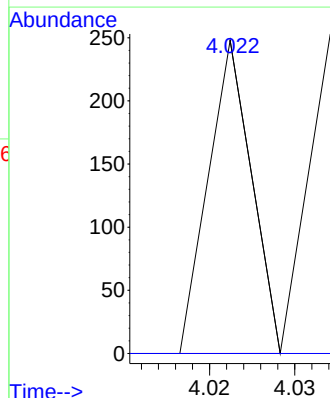
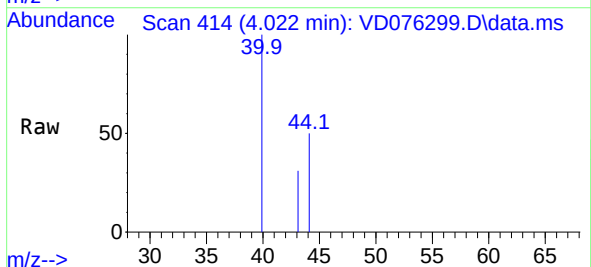
Instrument :
MSVOA_D
ClientSampleId :
PLYMOUTH-ENG-001

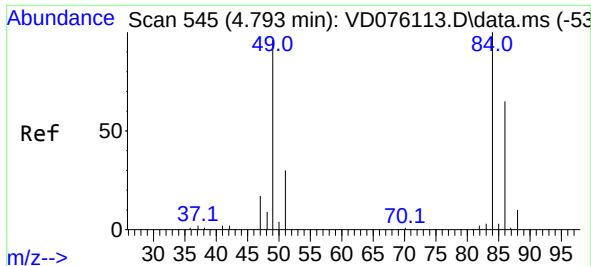
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 171.9 77.5 116.3#



#16
Acetone
Concen: 4.233 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

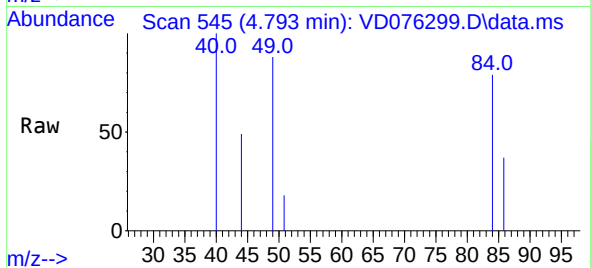
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



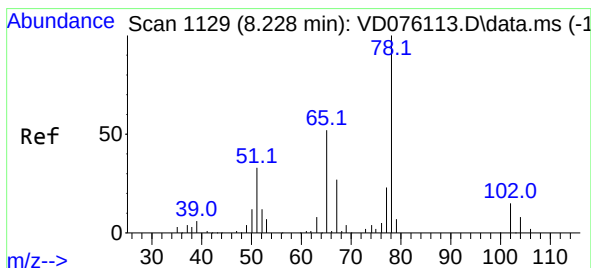
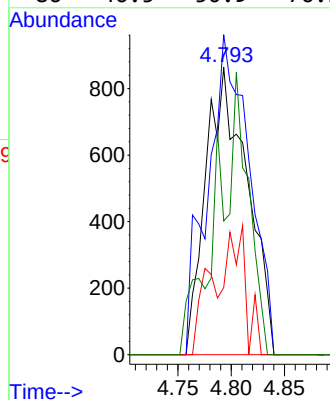


#20
Methylene Chloride
Concen: 6.352 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Instrument :
MSVOA_D
ClientSampleId :
PLYMOUTH-ENG-001

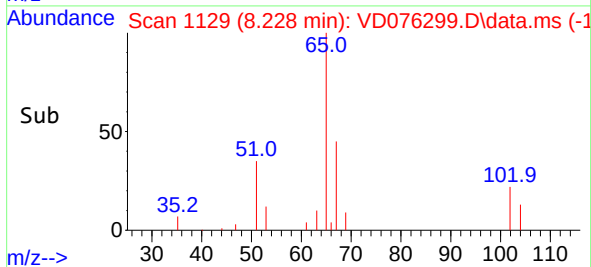
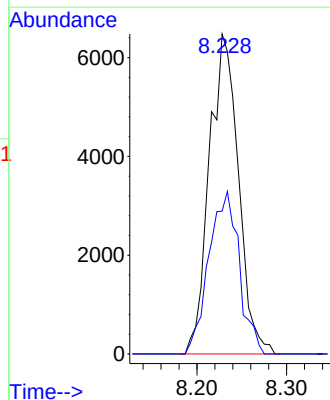
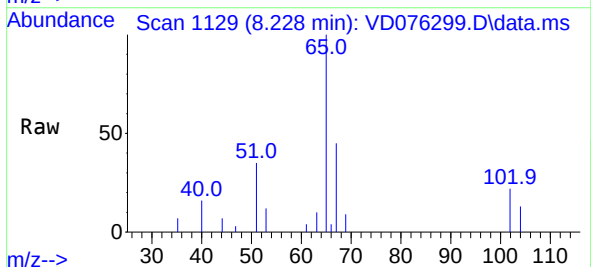


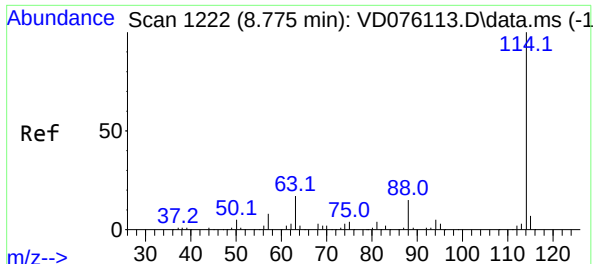
Tgt Ion: 84	Resp: 2341
Ion Ratio	Lower Upper
84 100	
49 111.3	106.4 159.6
51 23.4	32.4 48.6#
86 46.5	50.9 76.3#



#33
1,2-Dichloroethane-d4
Concen: 139.203 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion: 65	Resp: 14546
Ion Ratio	Lower Upper
65 100	
67 52.9	0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076299.D

Acq: 31 May 2023 22:26

Instrument :

MSVOA_D

ClientSampleId :

PLYMOUTH-ENG-001

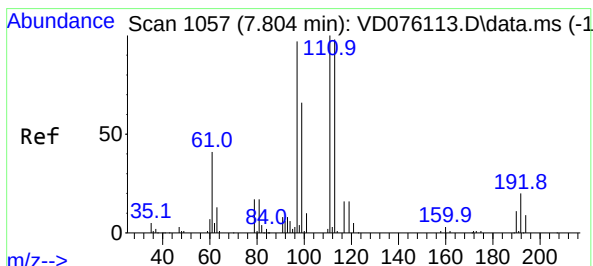
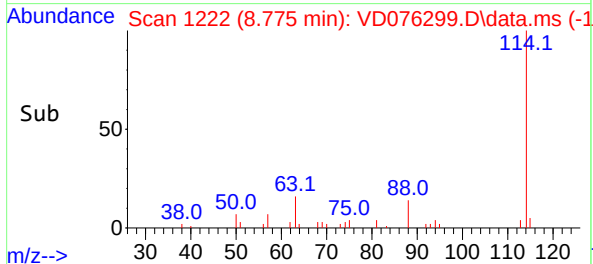
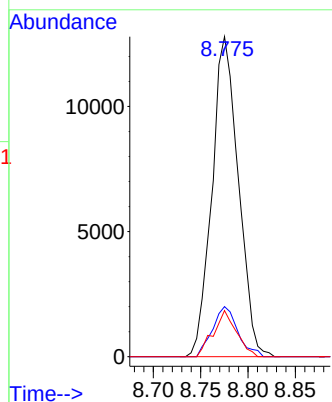
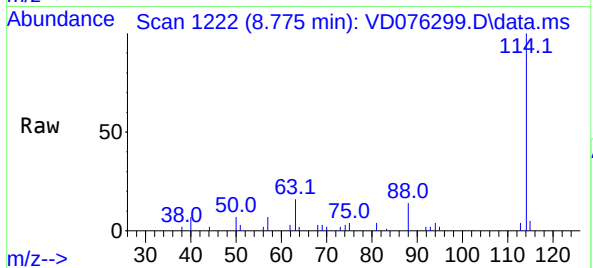
Tgt Ion:114 Resp: 24844

Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 77.548 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076299.D

Acq: 31 May 2023 22:26

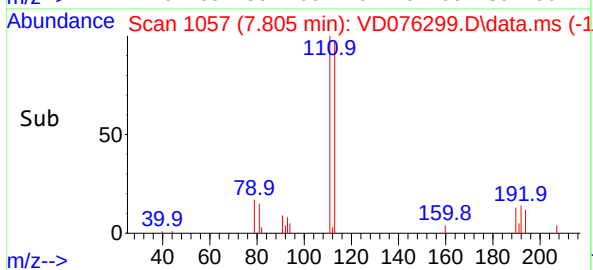
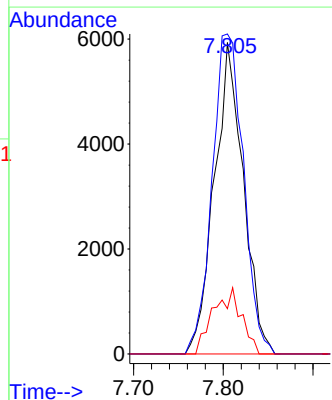
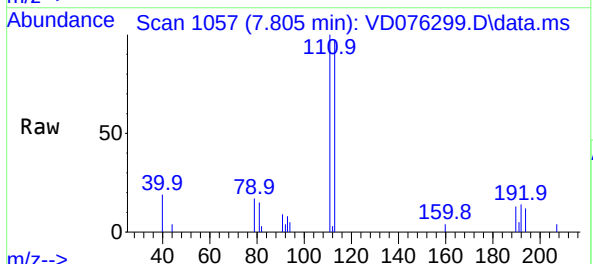
Tgt Ion:113 Resp: 13317

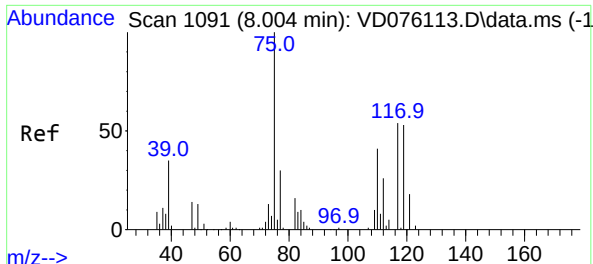
Ion Ratio Lower Upper

113 100

111 110.6 81.4 122.0

192 20.6 15.2 22.8

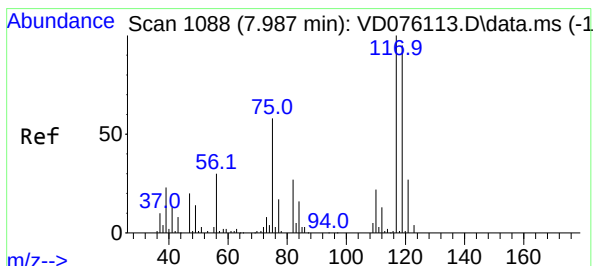
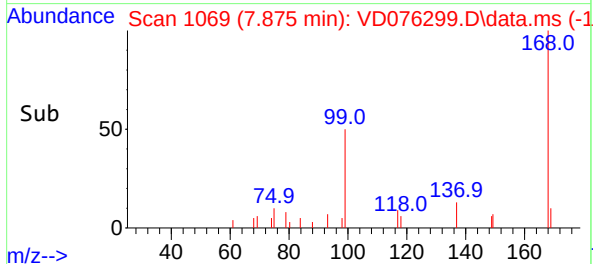
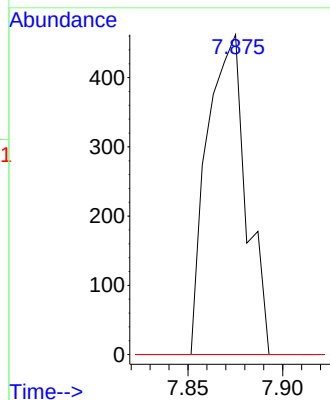
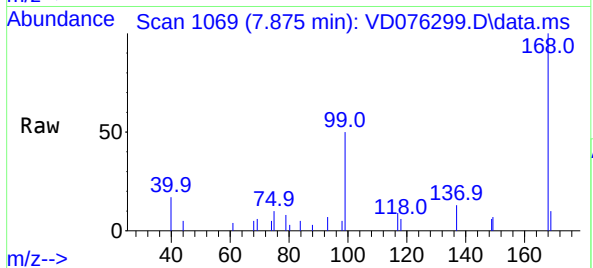




#36
1,1-Dichloropropene
Concen: 2.850 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.135 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

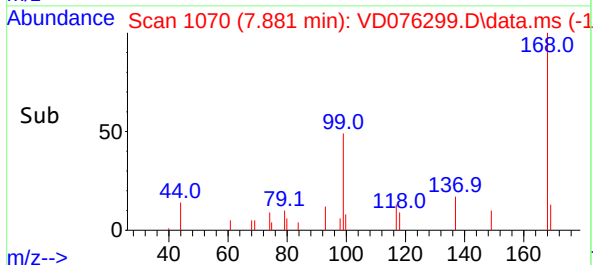
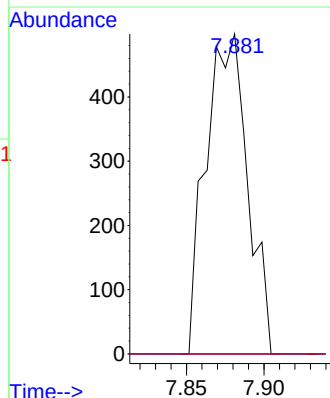
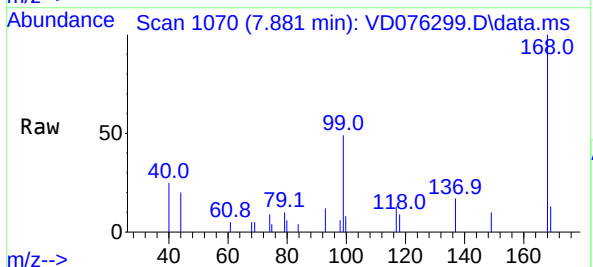
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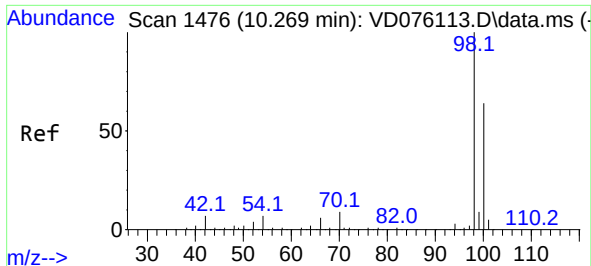
Tgt Ion: 75 Resp: 661
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 4.463 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion: 117 Resp: 935
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#

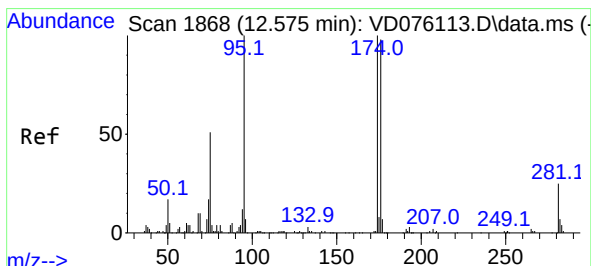
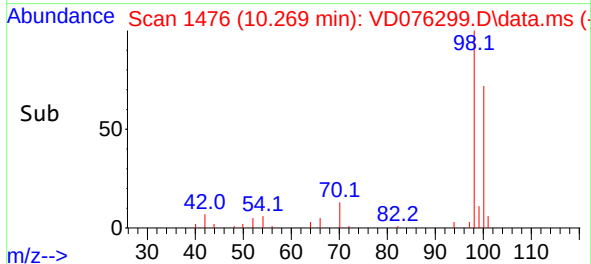
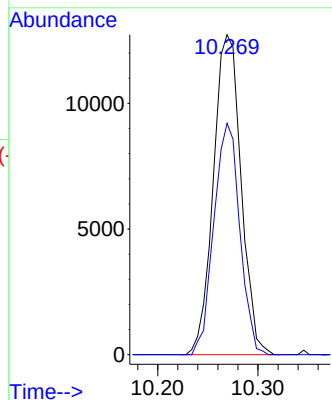
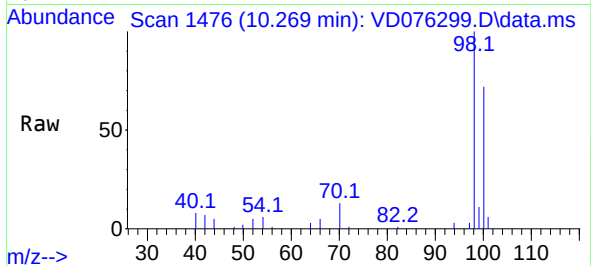




#50
Toluene-d8
Concen: 36.425 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

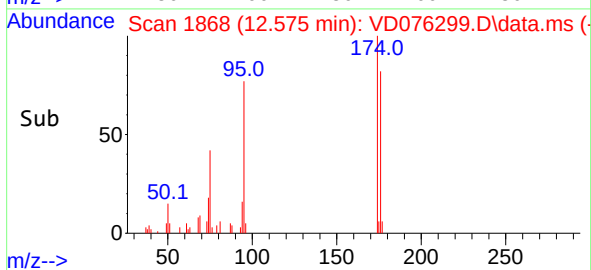
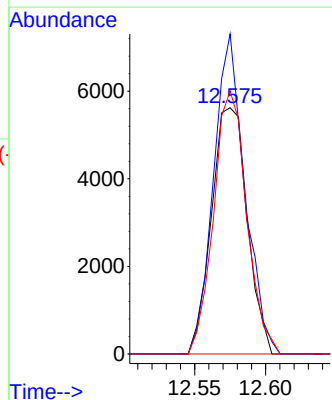
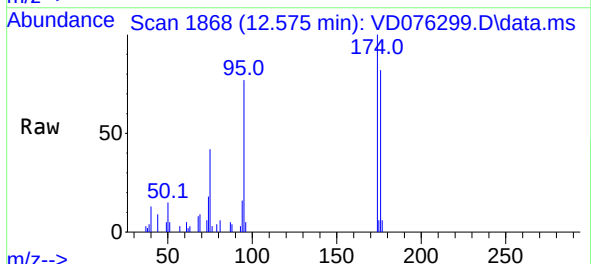
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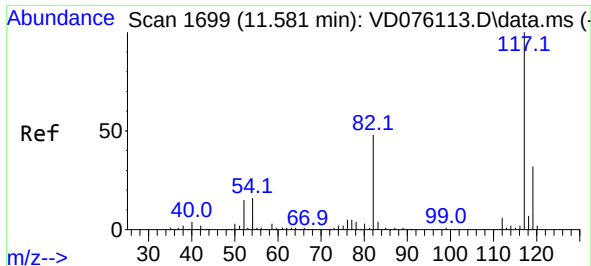
Tgt Ion: 98 Resp: 24384
Ion Ratio Lower Upper
98 100
100 67.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 53.017 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion: 95 Resp: 9859
Ion Ratio Lower Upper
95 100
174 112.8 0.0 164.0
176 98.3 0.0 156.8

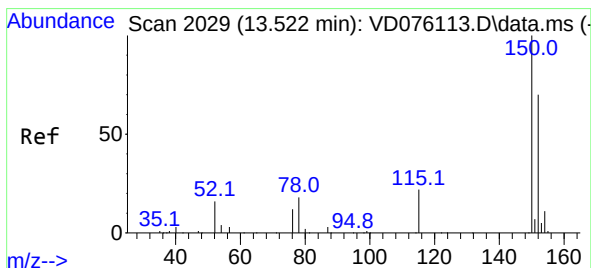
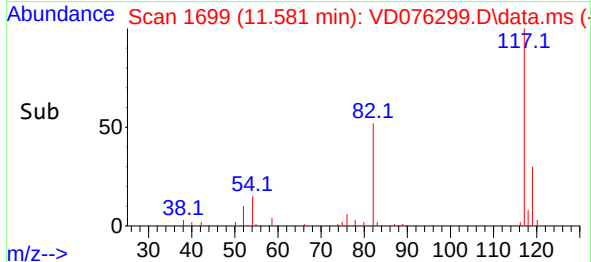
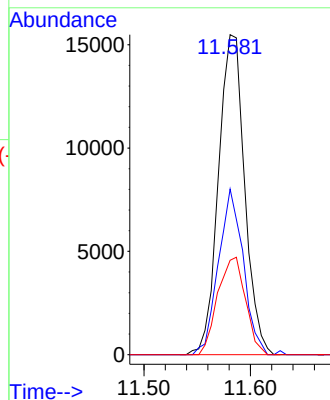
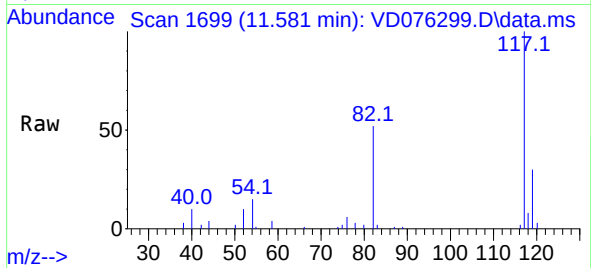




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

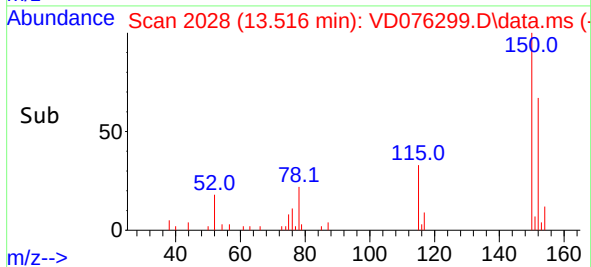
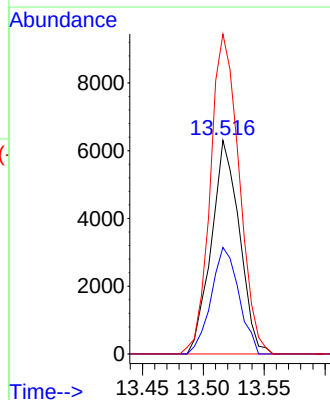
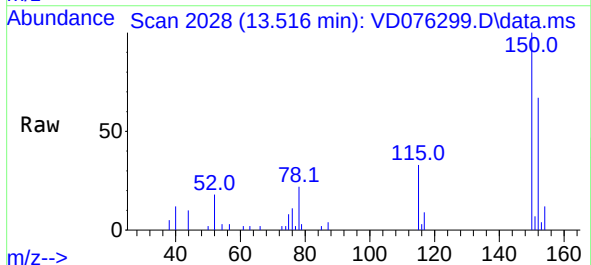
Instrument :
MSVOA_D
ClientSampleId :
PLYMOUTH-ENG-001

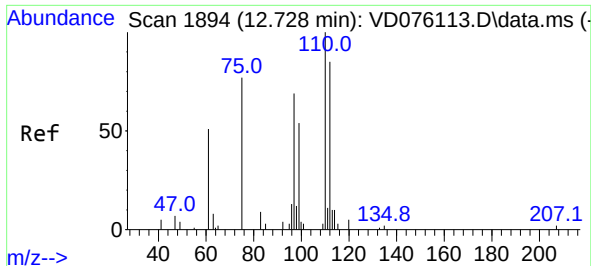
Tgt Ion:117	Resp:	26441
Ion	Ratio	Lower Upper
117	100	
82	51.7	44.0 66.0
119	29.5	25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion:152	Resp:	10102
Ion	Ratio	Lower Upper
152	100	
115	49.2	30.1 90.3
150	153.6	0.0 364.8

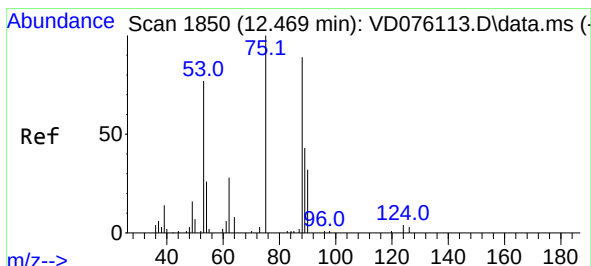
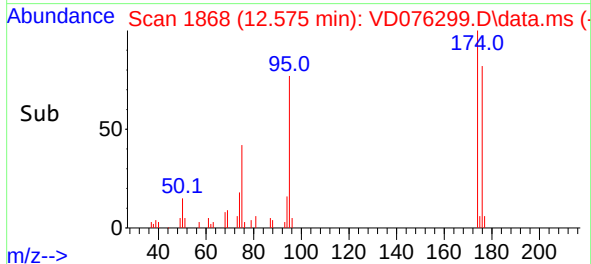
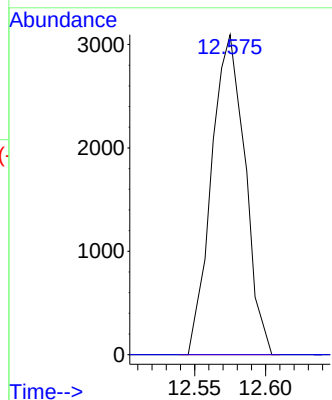
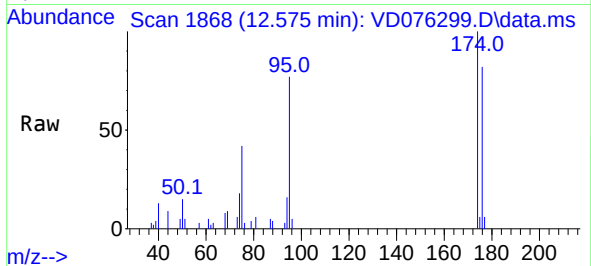




#76
1,2,3-Trichloropropane
Concen: 57.409 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Instrument :
MSVOA_D
ClientSampleId :
PLYMOUTH-ENG-001

Tgt Ion: 75 Resp: 5075
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 120.434 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion: 75 Resp: 5075
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

