

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
 Data File : VD072099.D
 Acq On : 25 Feb 2022 14:39
 Operator : VA/SY
 Sample : N1655-02
 Misc : 5.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 REG-MID

Quant Time: Feb 26 05:42:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

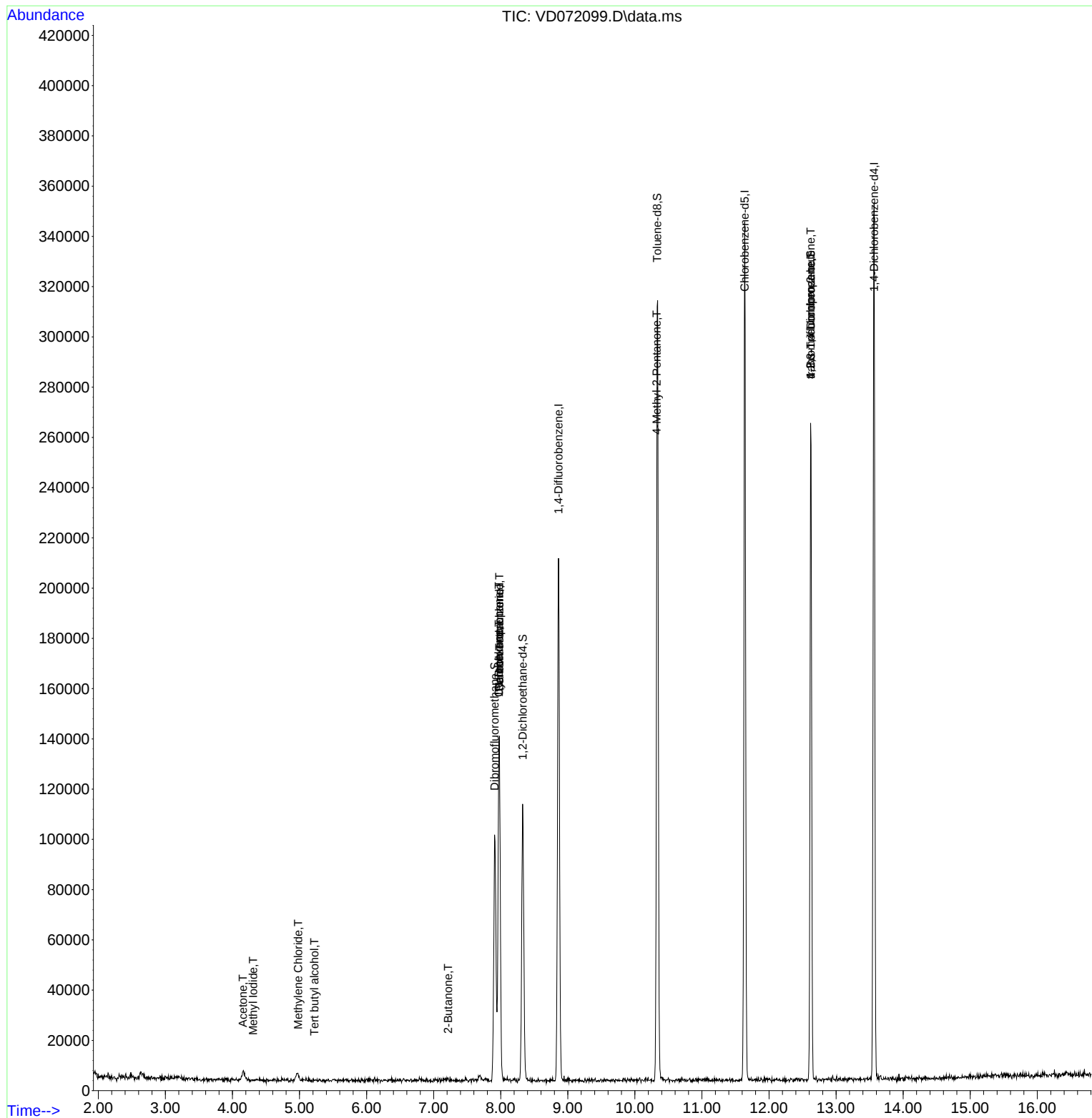
Internal Standards						
1) Pentafluorobenzene	7.979	168	103745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	177188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	192249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	95884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	86462	80.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.680%	
35) Dibromofluoromethane	7.909	113	68191	63.520	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.040%	
50) Toluene-d8	10.332	98	217476	54.627	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.260%	
62) 4-Bromofluorobenzene	12.620	95	86498	59.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.300%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	379	Below Cal		95
10) Methyl Iodide	4.309	142	58	2.970 ug/l	#	40
11) Tert butyl alcohol	5.221	59	78	1.270 ug/l	#	80
16) Acetone	4.156	43	6357	27.333 ug/l		90
18) Methyl Acetate	4.791	43	64	Below Cal	#	52
20) Methylene Chloride	4.979	84	2435	2.104 ug/l	#	51
25) 2-Butanone	7.215	43	749	2.330 ug/l	#	64
31) Cyclohexane	7.973	56	2664	1.402 ug/l	#	24
36) 1,1-Dichloropropene	7.973	75	8308	5.109 ug/l	#	49
38) Carbon Tetrachloride	7.979	117	10770	6.462 ug/l	#	21
51) 4-Methyl-2-Pentanone	10.326	43	1268	1.704 ug/l	#	1
76) 1,2,3-Trichloropropane	12.620	75	44484	48.978 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	44484	122.653 ug/l	#	10

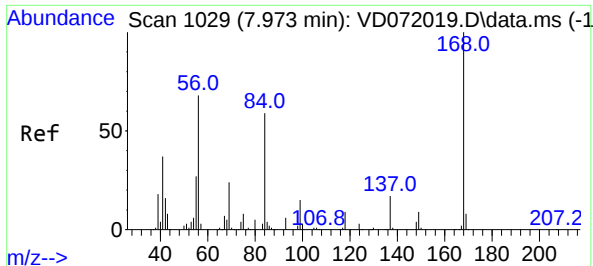
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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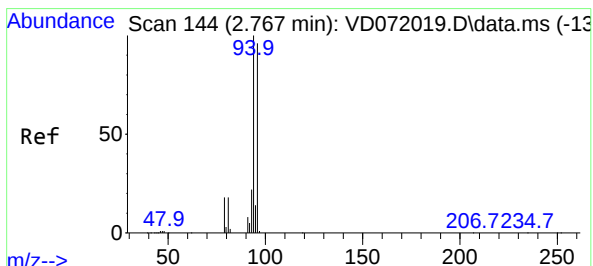
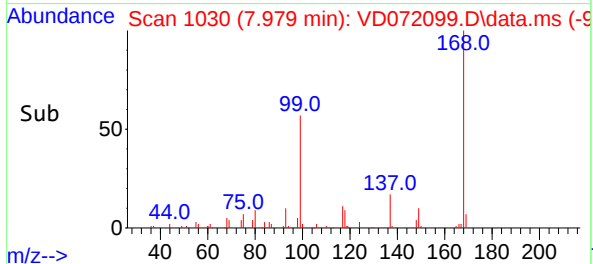
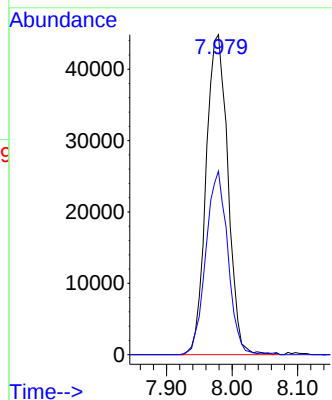
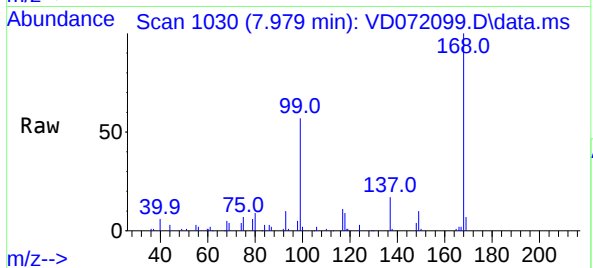




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

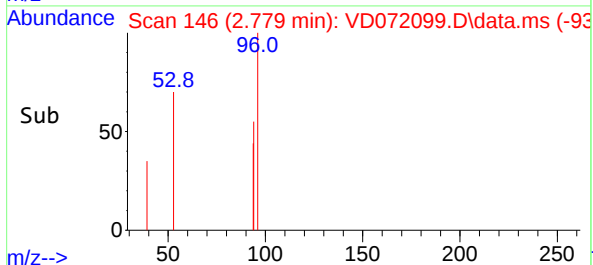
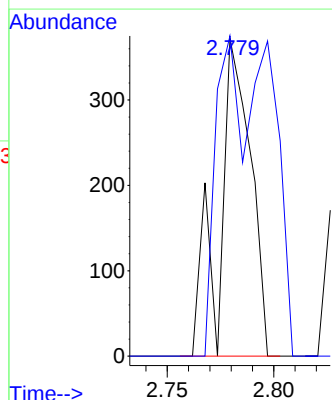
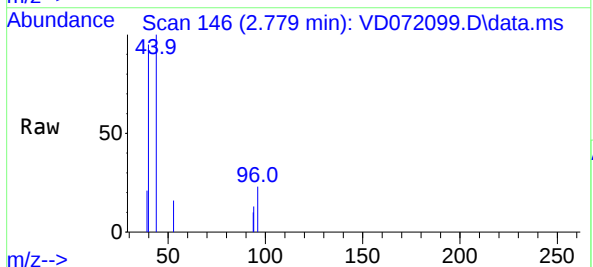
Instrument :
MSVOA_D
ClientSampleId :
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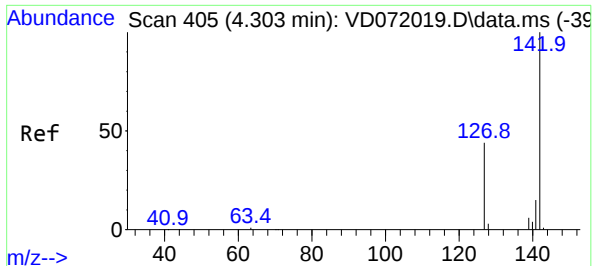
Tgt Ion:168 Resp: 103745
Ion Ratio Lower Upper
168 100
99 57.4 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 100.8 76.8 115.2

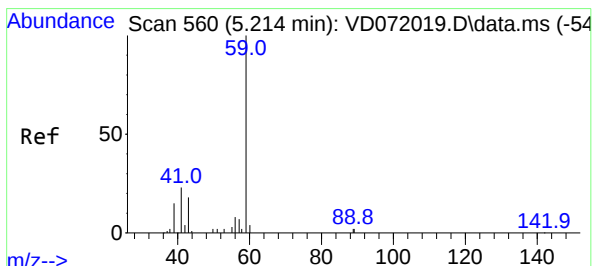
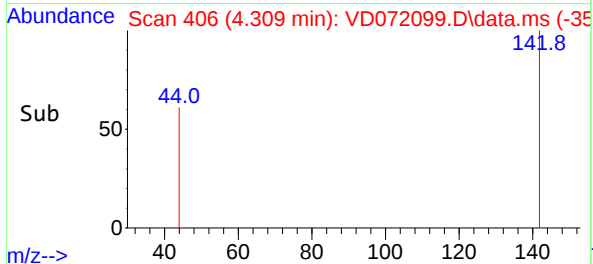
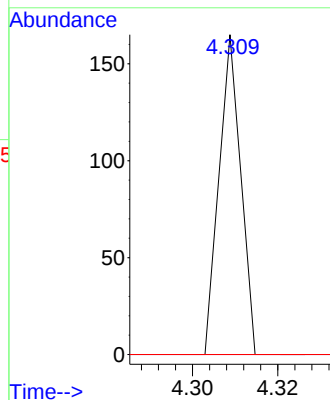
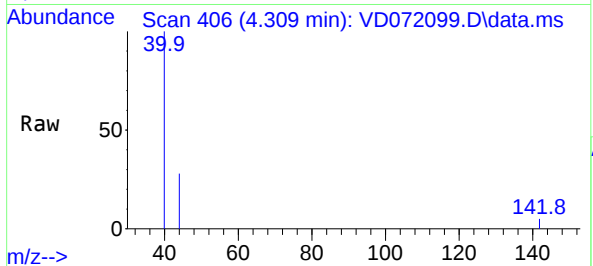




#10
Methyl Iodide
Concen: 2.970 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

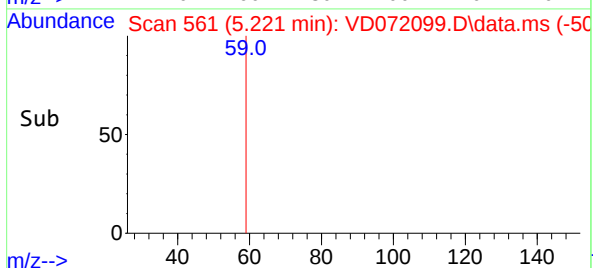
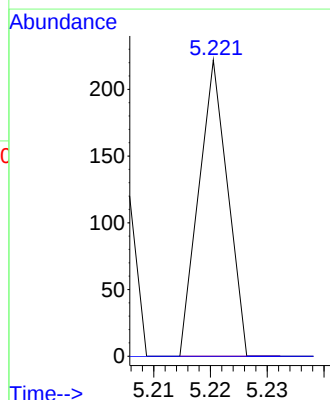
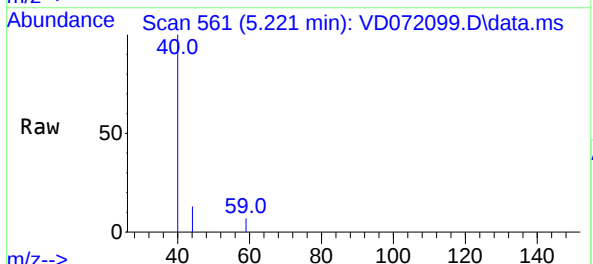
Instrument :
MSVOA_D
ClientSampleId :
REG-MID

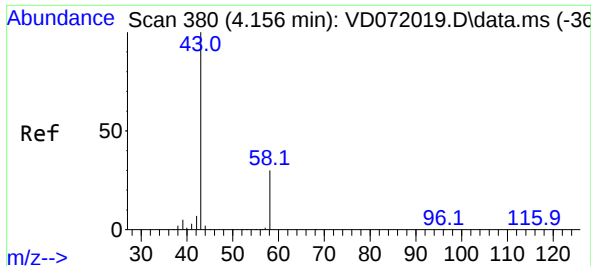
Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.270 ug/l
RT: 5.221 min Scan# 561
Delta R.T. 0.006 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

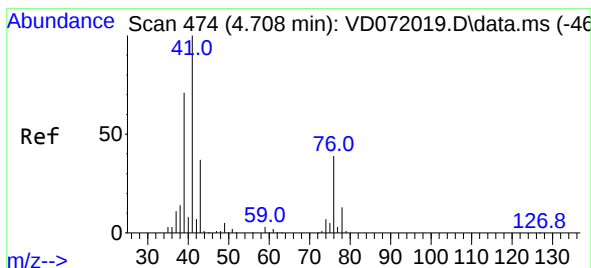
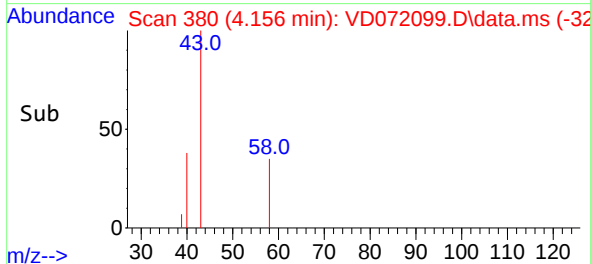
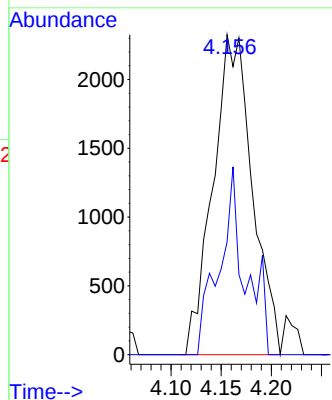
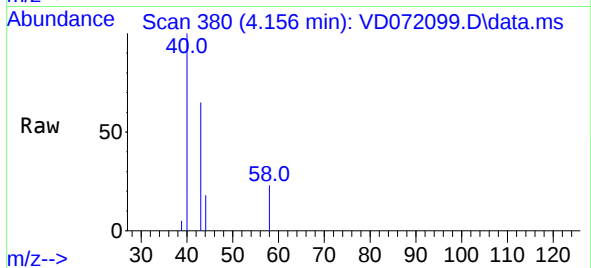




#16
Acetone
Concen: 27.333 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

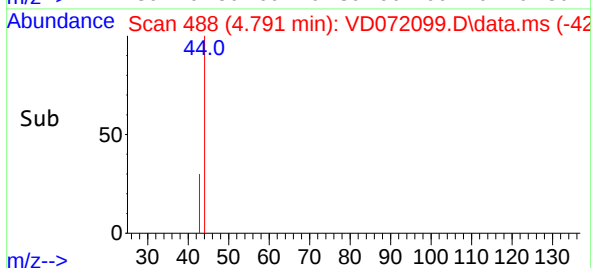
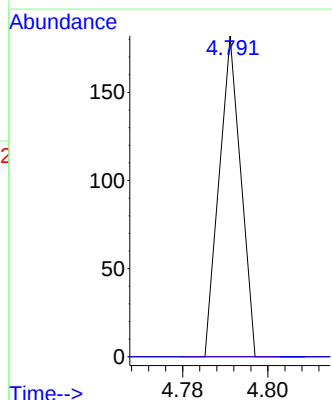
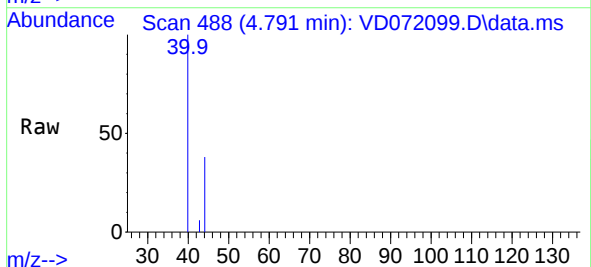
Instrument :
MSVOA_D
ClientSampleId :
REG-MID

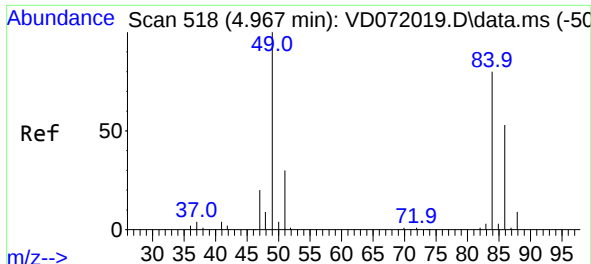
Tgt Ion: 43 Resp: 6357
Ion Ratio Lower Upper
43 100
58 35.3 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.791 min Scan# 488
Delta R.T. 0.083 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

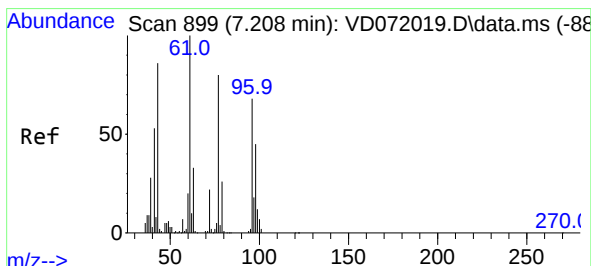
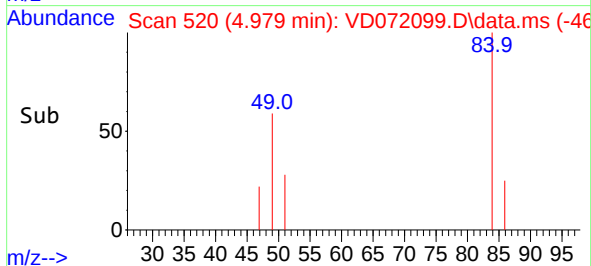
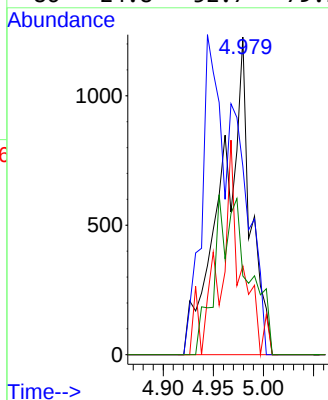
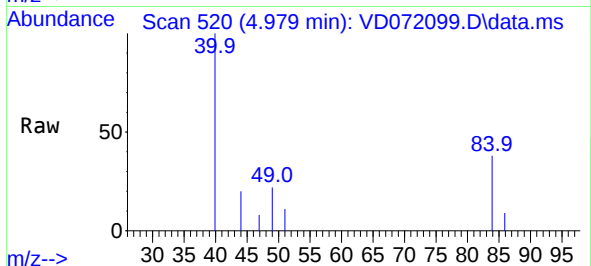




#20
Methylene Chloride
Concen: 2.104 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.012 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

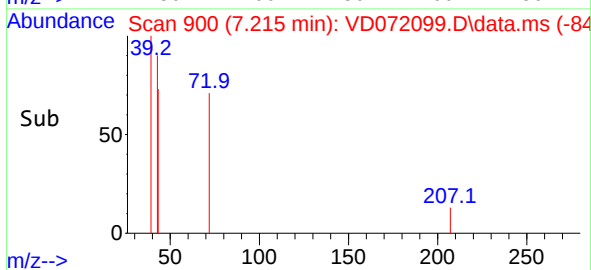
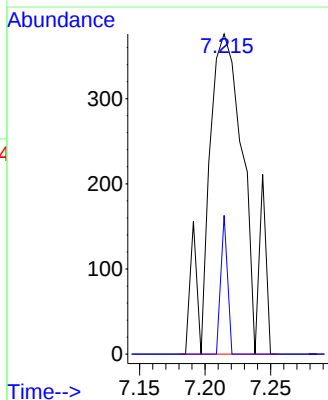
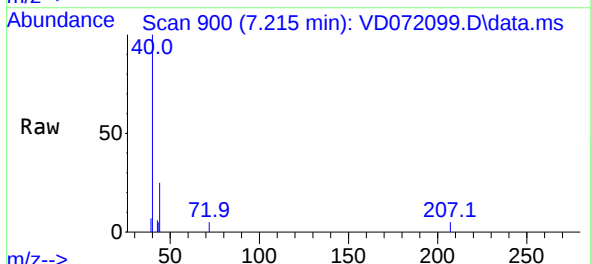
Instrument :
MSVOA_D
ClientSampleId :
REG-MID

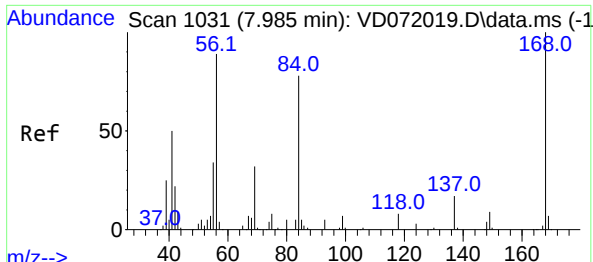
Tgt Ion: 84 Resp: 2435
Ion Ratio Lower Upper
84 100
49 59.3 100.0 150.0#
51 28.0 30.2 45.4#
86 24.8 52.7 79.1#



#25
2-Butanone
Concen: 2.330 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

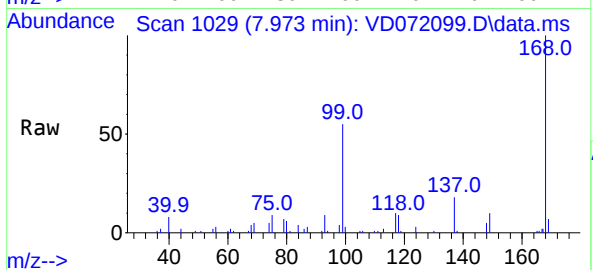
Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
72 43.4 20.3 30.5#



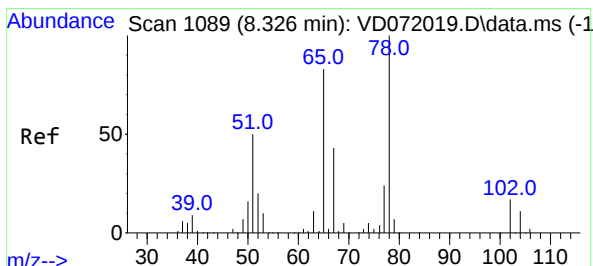
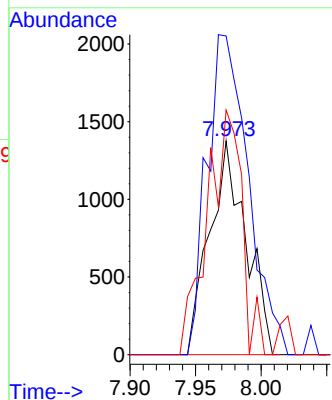
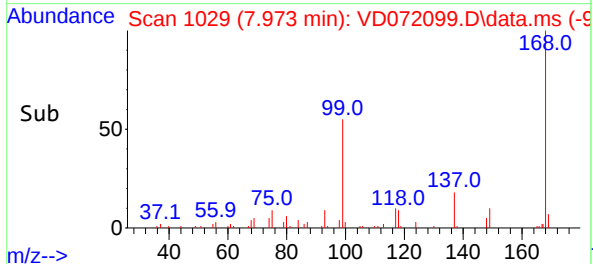


#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Instrument :
MSVOA_D
ClientSampleId :
REG-MID

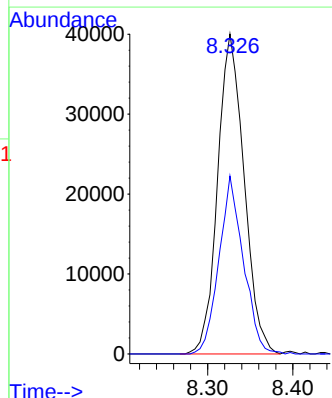
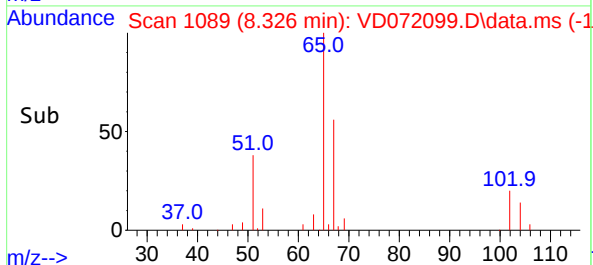
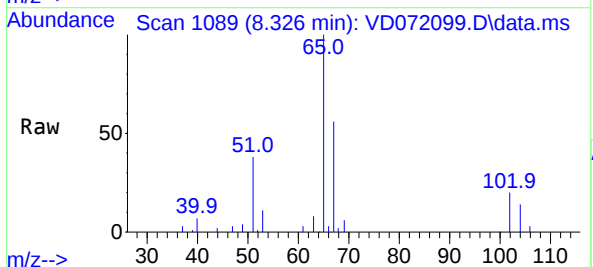


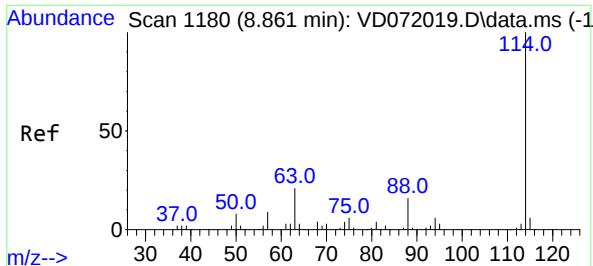
Tgt Ion: 56 Resp: 2664
Ion Ratio Lower Upper
56 100
69 149.1 28.9 43.3#
84 114.5 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 80.344 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Tgt Ion: 65 Resp: 86462
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072099.D

Acq: 25 Feb 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

REG-MID

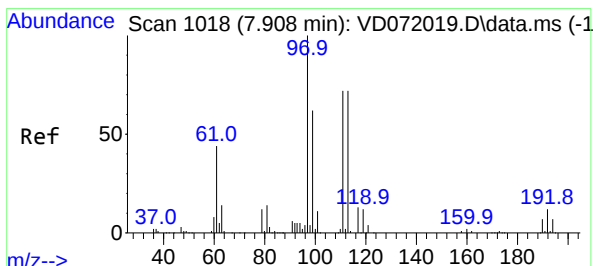
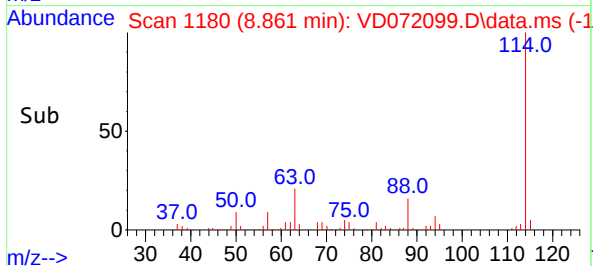
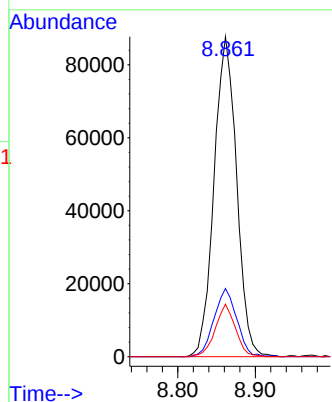
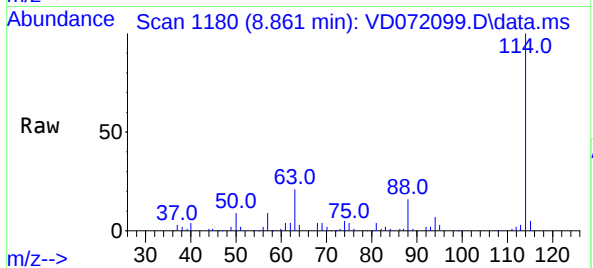
Tgt Ion:114 Resp: 177188

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.2

88 16.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 63.520 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072099.D

Acq: 25 Feb 2022 14:39

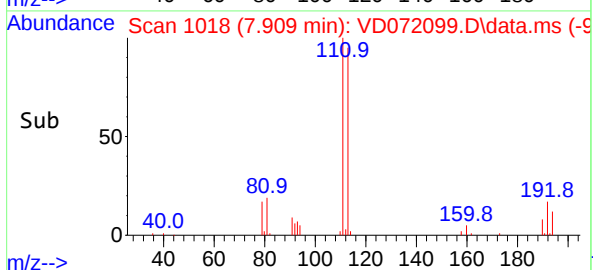
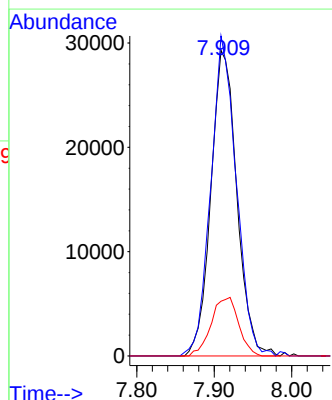
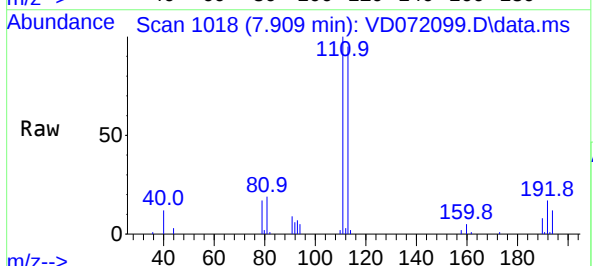
Tgt Ion:113 Resp: 68191

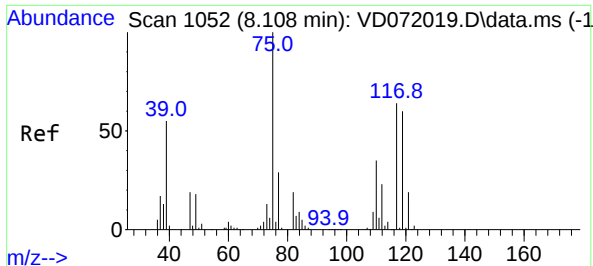
Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

192 20.2 15.3 22.9





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072099.D

Acq: 25 Feb 2022 14:39

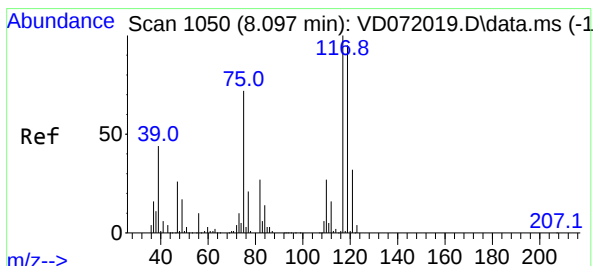
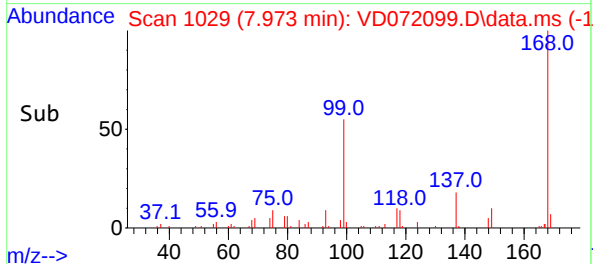
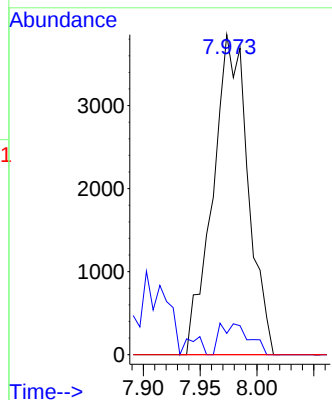
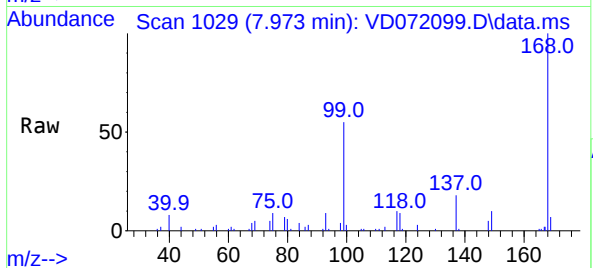
Instrument :

MSVOA_D

ClientSampleId :

REG-MID

Tgt Ion:	75	Resp:	8308
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.7	53.1#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.462 ug/l

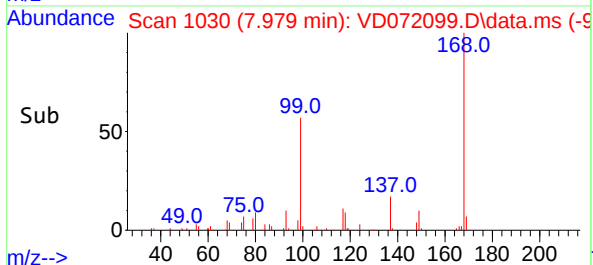
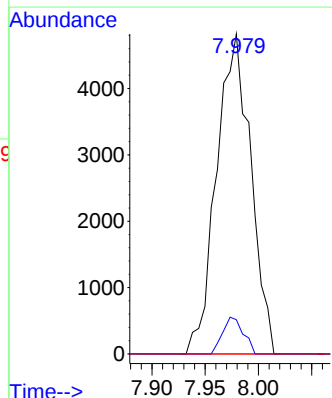
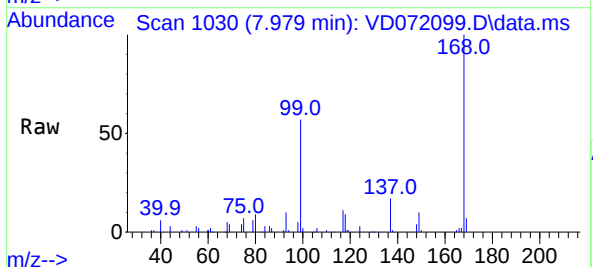
RT: 7.979 min Scan# 1030

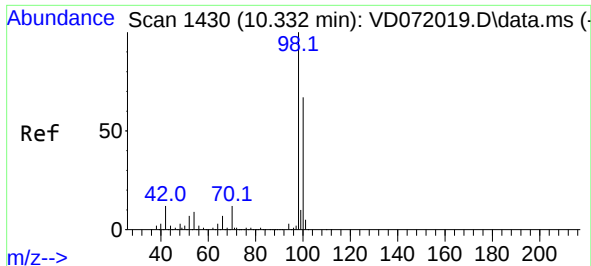
Delta R.T. -0.117 min

Lab File: VD072099.D

Acq: 25 Feb 2022 14:39

Tgt Ion:	117	Resp:	10770
Ion	Ratio	Lower	Upper
117	100		
119	10.7	75.8	113.8#
121	0.0	25.8	38.6#

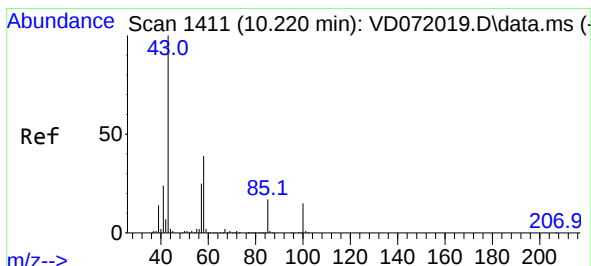
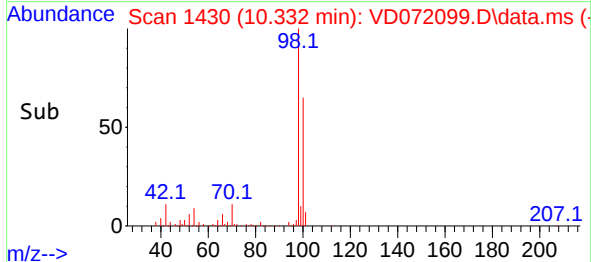
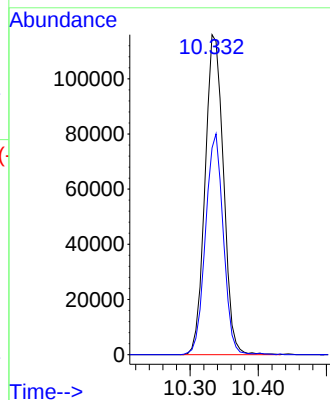
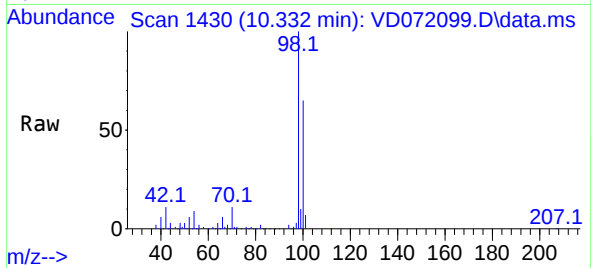




#50
Toluene-d8
Concen: 54.627 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

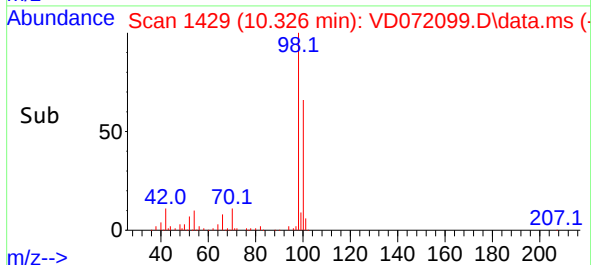
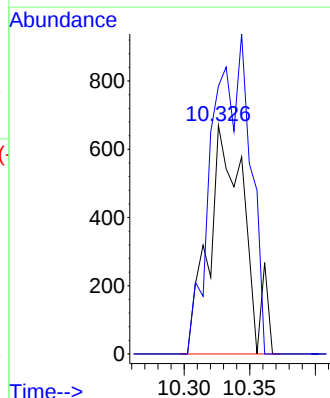
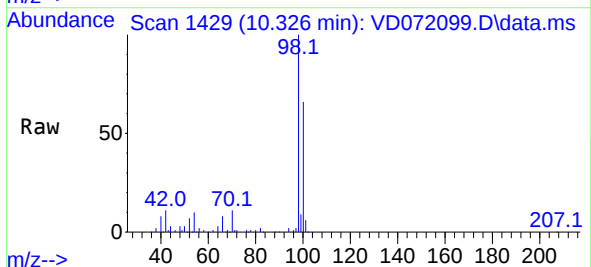
Instrument :
MSVOA_D
ClientSampleId :
REG-MID

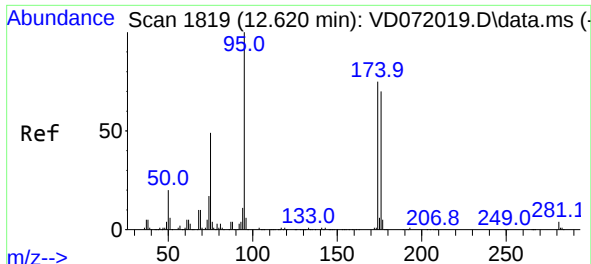
Tgt Ion: 98 Resp: 217476
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 1.704 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
58 147.2 30.8 46.2#

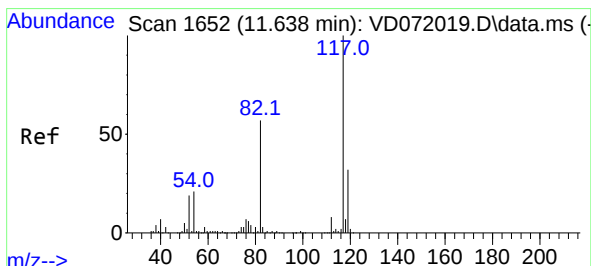
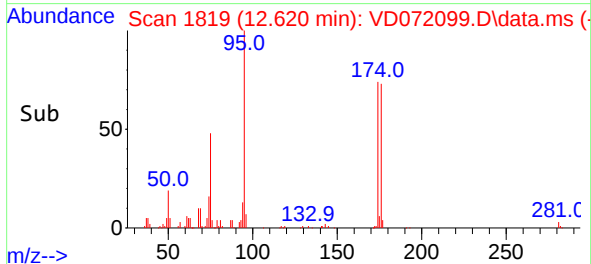
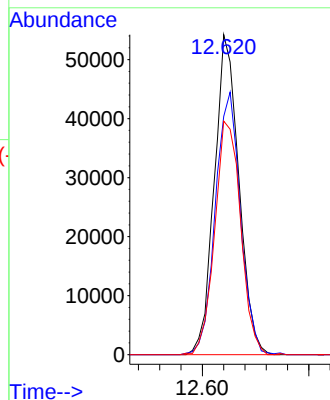
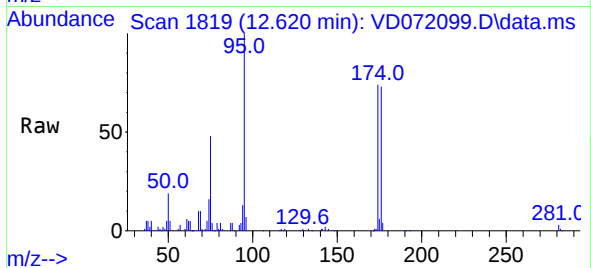




#62
4-Bromofluorobenzene
Concen: 59.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

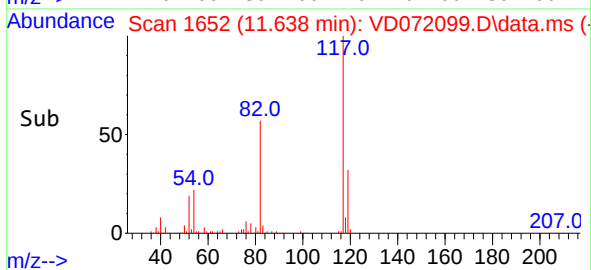
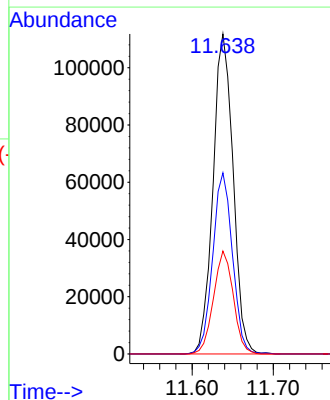
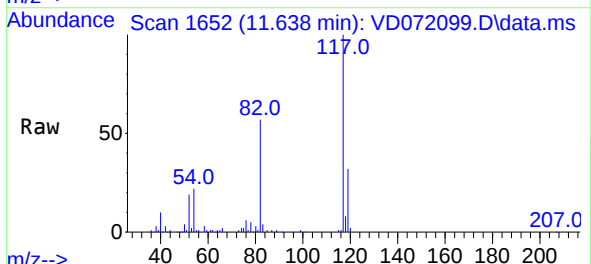
Instrument :
MSVOA_D
ClientSampleId :
REG-MID

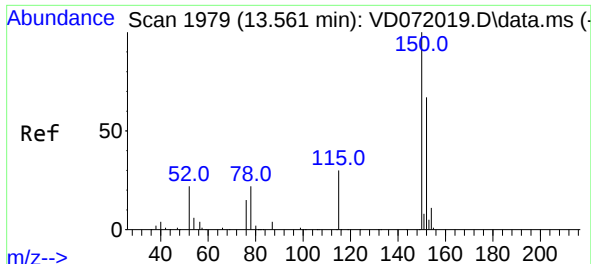
Tgt Ion:	95	Resp:	86498
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	155.0
176	77.1	0.0	148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

Tgt Ion:	117	Resp:	192249
Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.4	68.0
119	32.2	25.4	38.2

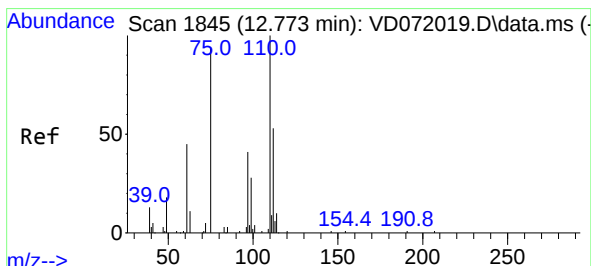
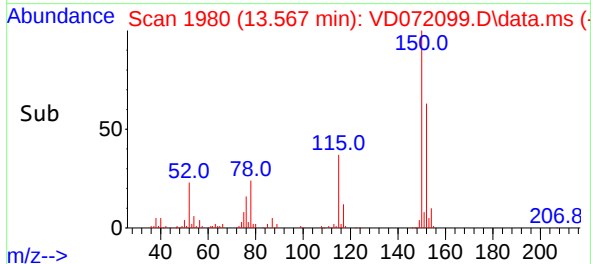
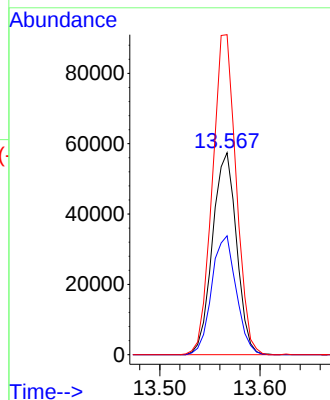
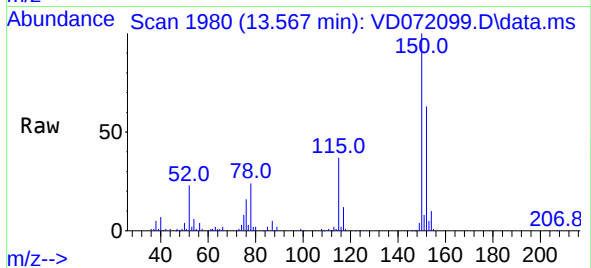




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

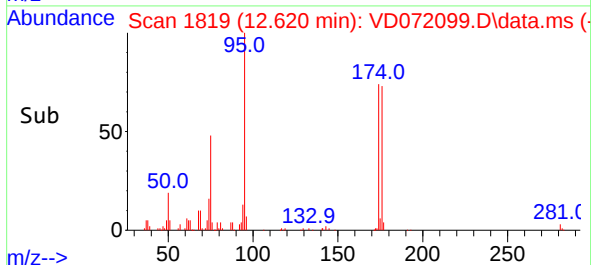
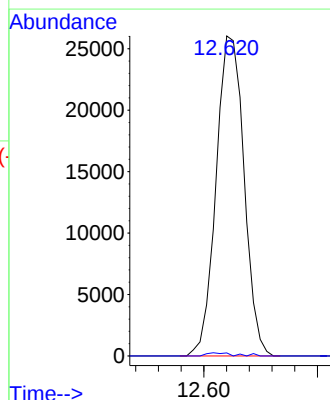
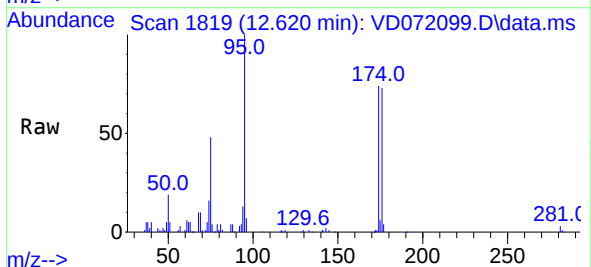
Instrument :
MSVOA_D
ClientSampleId :
REG-MID

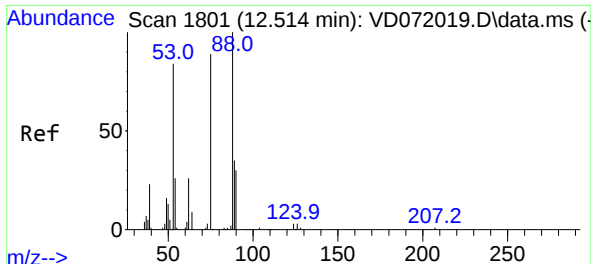
Tgt Ion:152 Resp: 95884
Ion Ratio Lower Upper
152 100
115 60.0 29.9 89.7
150 156.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 48.978 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072099.D
Acq: 25 Feb 2022 14:39

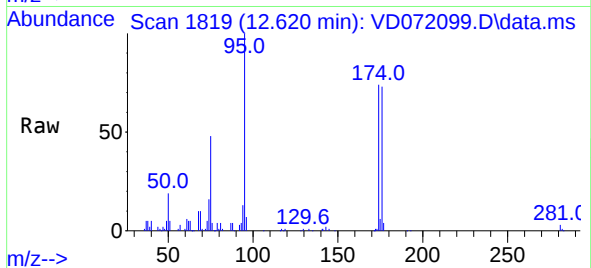
Tgt Ion: 75 Resp: 44484
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.653 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072099.D
 Acq: 25 Feb 2022 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 REG-MID



Tgt Ion: 75 Resp: 44484
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.4#
 89 0.1 36.4 54.6#

