

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043739.D
 Acq On : 14 May 2021 07:18
 Operator : SY/MD
 Sample : M2395-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 08:03:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	395059	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	380891	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	171159	50.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	166056	50.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.52%
7) Chloroethane-d5	1.912	69	123574	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.08%
11) 1,1-Dichloroethene-d2	2.571	63	217029	38.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.94%
21) 2-Butanone-d5	4.626	46	290135	113.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.39%
24) Chloroform-d	5.073	84	294392	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
26) 1,2-Dichloroethane-d4	5.710	65	189533	55.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.16%
32) Benzene-d6	5.735	84	626995	55.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.10%
36) 1,2-Dichloropropane-d6	6.700	67	208145	56.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.06%
41) Toluene-d8	7.906	98	543587	53.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.04%
43) trans-1,3-Dichloroprop...	8.185	79	83555	51.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.80%
47) 2-Hexanone-d5	8.639	63	189203	107.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.31%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	293498	52.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.34%
66) 1,2-Dichlorobenzene-d4	12.201	152	202466	59.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.88%

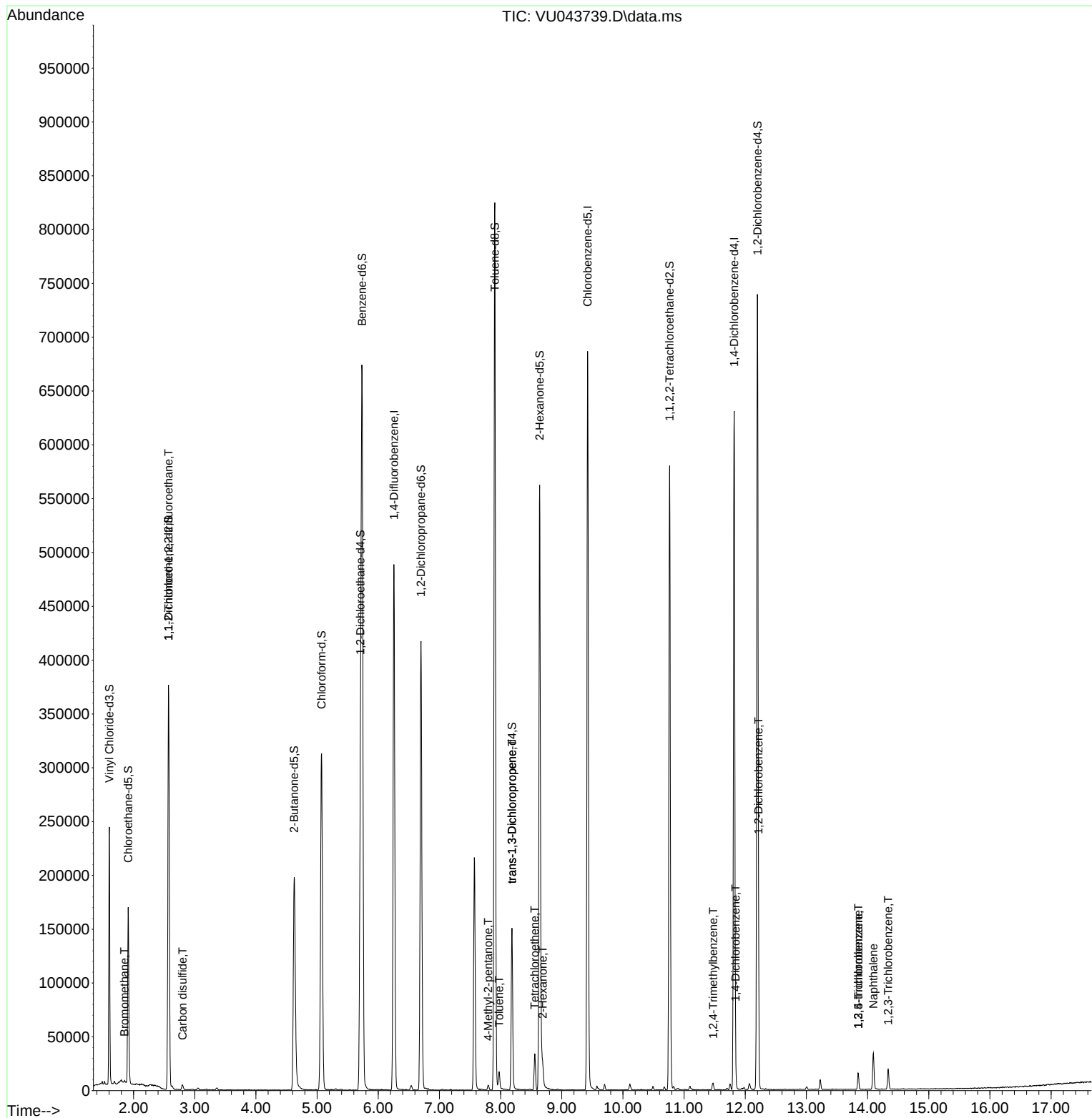
Target Compounds				Qvalue		
6) Bromomethane	1.851	94	1297	0.68	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	2295	0.79	ug/L #	23
14) Carbon disulfide	2.800	76	6087	0.68	ug/L	95
40) 4-Methyl-2-pentanone	7.796	43	3268	0.62	ug/L #	92
42) Toluene	7.976	91	10718	0.80	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	3891	0.86	ug/L	90
46) Tetrachloroethene	8.558	164	7519	3.05	ug/L	94
48) 2-Hexanone	8.690	43	8787	2.07	ug/L #	85
63) 1,2,4-Trimethylbenzene	11.478	105	3360	0.36	ug/L	95
65) 1,4-Dichlorobenzene	11.844	146	3191	0.58	ug/L	90
67) 1,2-Dichlorobenzene	12.217	146	2951	0.52	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.848	180	4817	1.20	ug/L	92
70) 1,2,4-trichlorobenzene	13.848	180	4817	1.40	ug/L	91
71) Naphthalene	14.095	128	28151	2.45	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	6183	1.71	ug/L	98

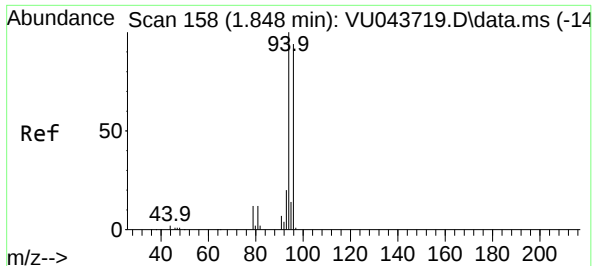
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 14 04:42:41 2021
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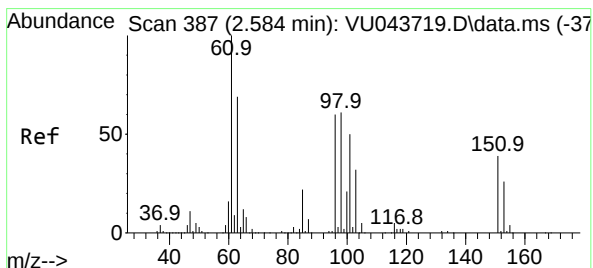
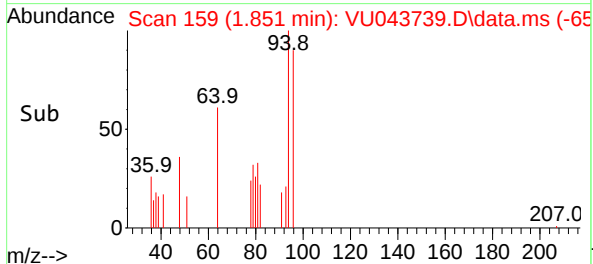
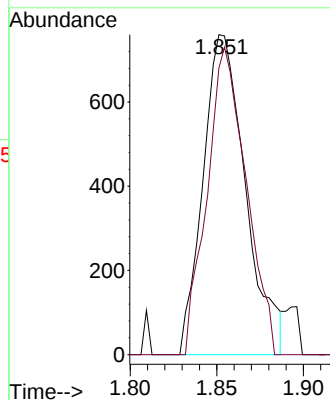
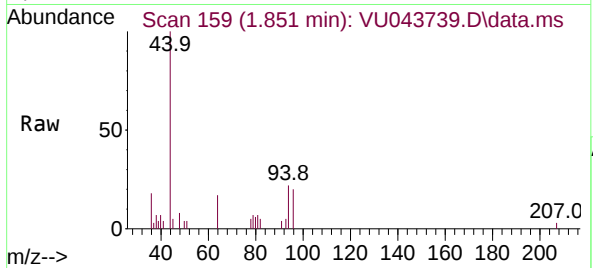




#6
Bromomethane
Concen: 0.68 ug/L
RT: 1.851 min Scan# 159
Delta R.T. 0.003 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

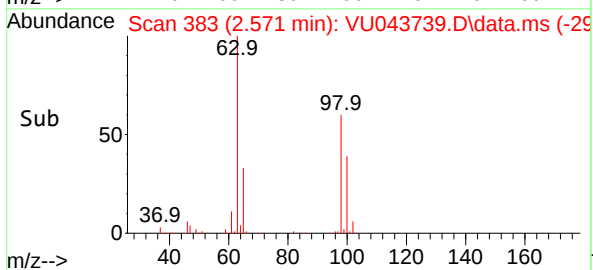
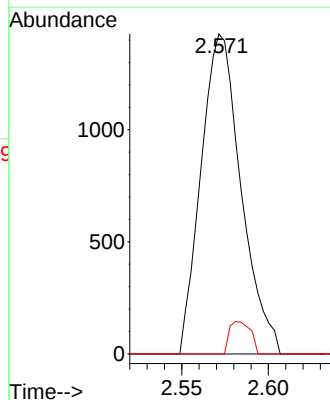
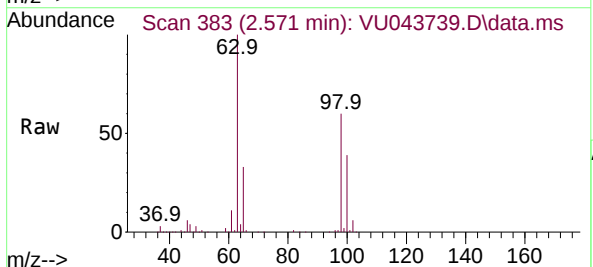
Instrument :
MSVOA_U
ClientSampleId :

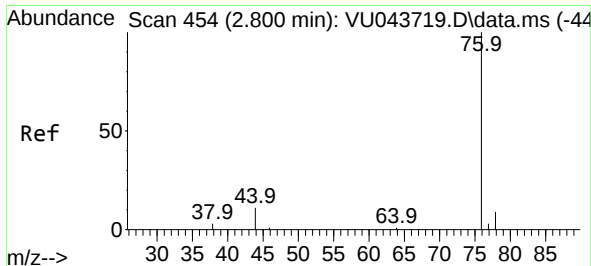
Tgt Ion: 94 Resp: 1297
Ion Ratio Lower Upper
94 100
96 89.6 64.2 119.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.79 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

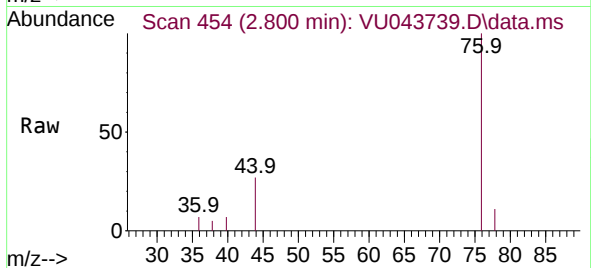
Tgt Ion:101 Resp: 2295
Ion Ratio Lower Upper
101 100
85 0.0 34.2 51.4#
151 5.3 60.4 90.6#



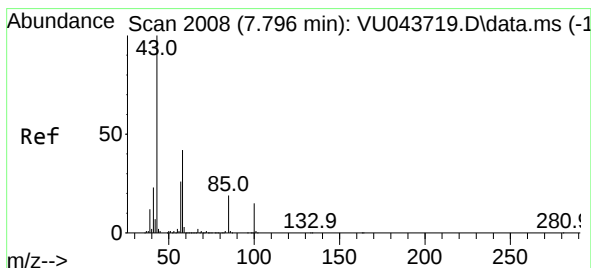
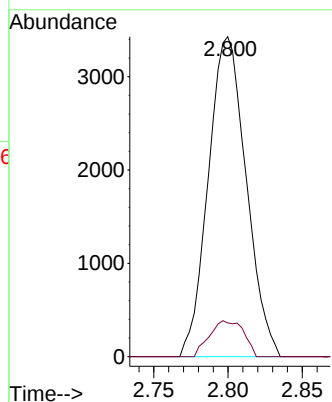
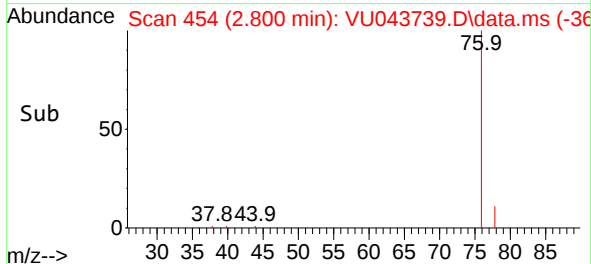


#14
Carbon disulfide
Concen: 0.68 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

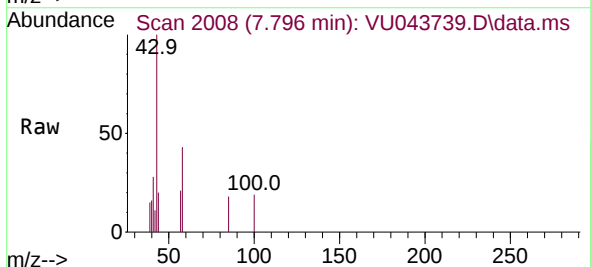
Instrument :
MSVOA_U
ClientSampled :



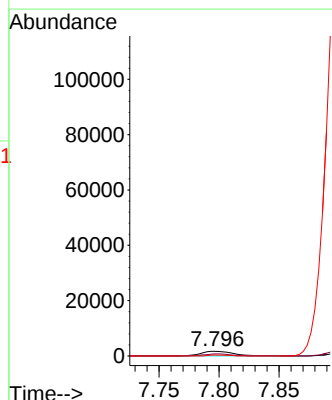
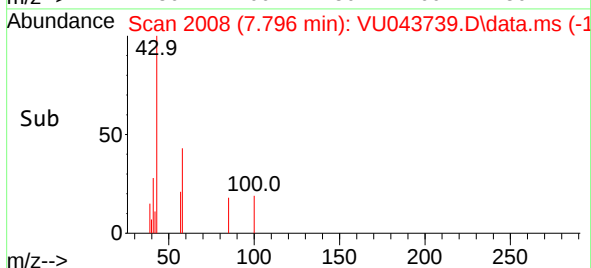
Tgt Ion: 76 Resp: 6087
Ion Ratio Lower Upper
76 100
78 10.5 7.1 10.7

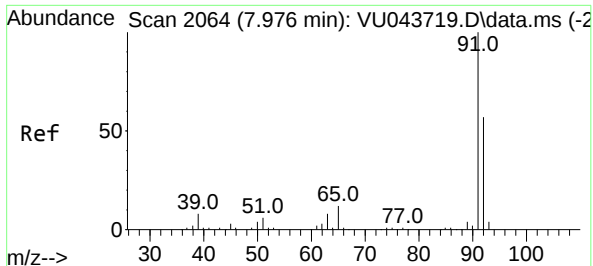


#40
4-Methyl-2-pentanone
Concen: 0.62 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18



Tgt Ion: 43 Resp: 3268
Ion Ratio Lower Upper
43 100
58 36.6 33.4 50.0
100 11.6 12.2 18.2#





#42

Toluene

Concen: 0.80 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU043739.D

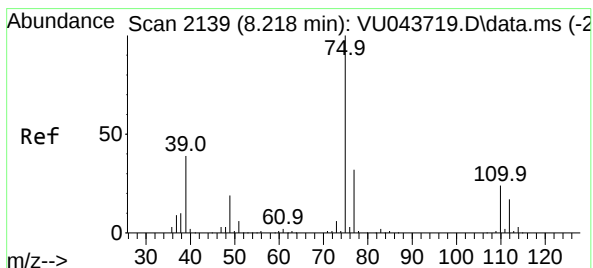
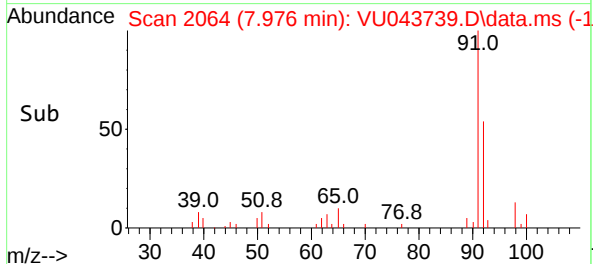
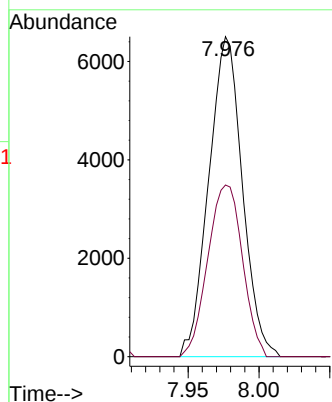
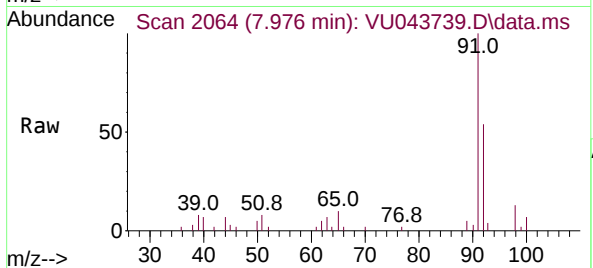
Acq: 14 May 2021 07:18

Tgt Ion: 91 Resp: 10718

Ion Ratio Lower Upper

91 100

92 58.0 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.86 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.032 min

Lab File: VU043739.D

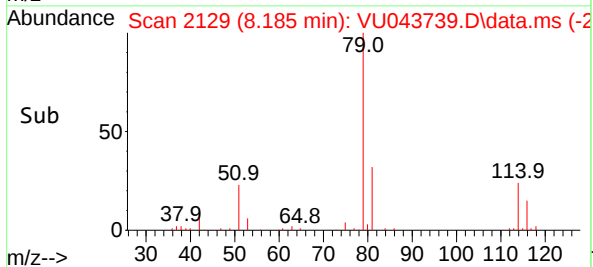
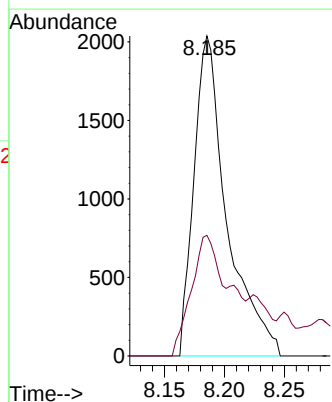
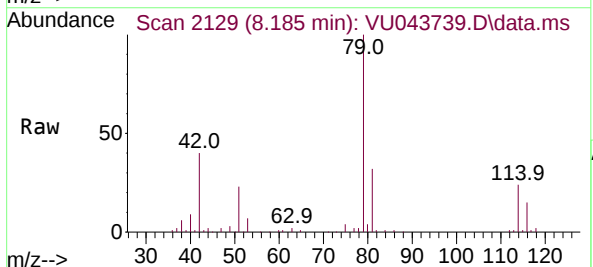
Acq: 14 May 2021 07:18

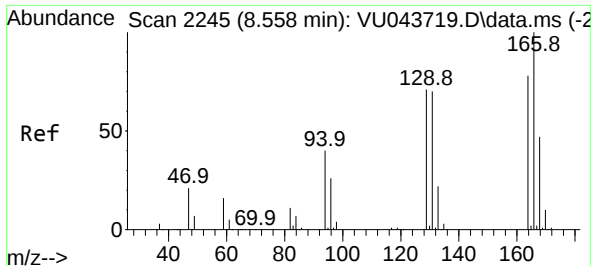
Tgt Ion: 75 Resp: 3891

Ion Ratio Lower Upper

75 100

77 37.7 22.4 41.6



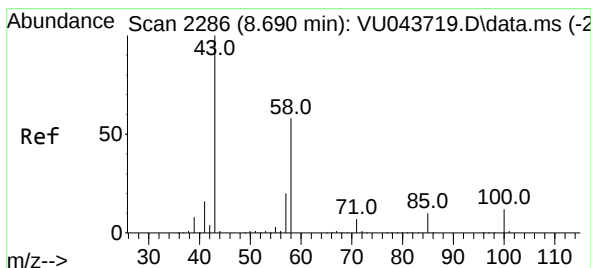
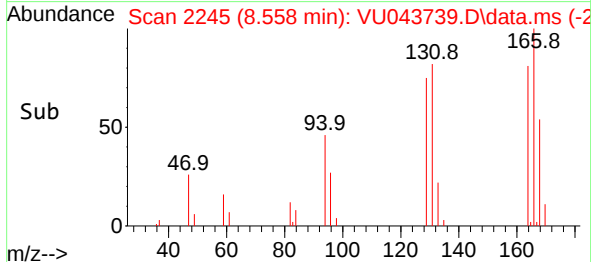
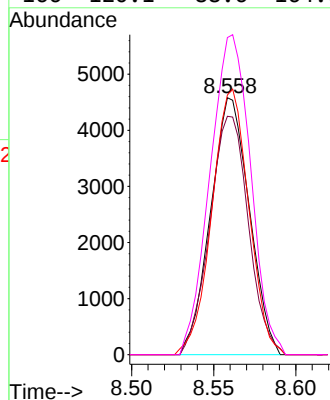
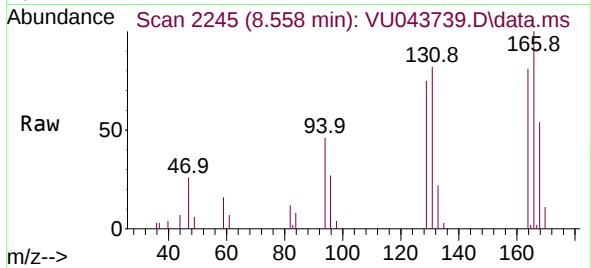


#46
Tetrachloroethene
Concen: 3.05 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:164 Resp: 7519

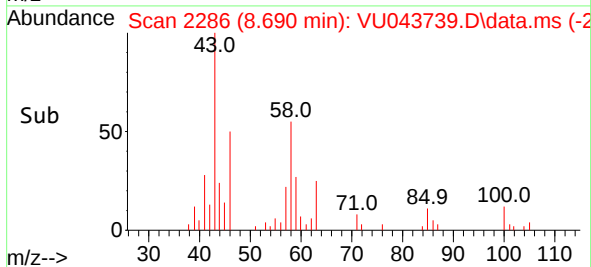
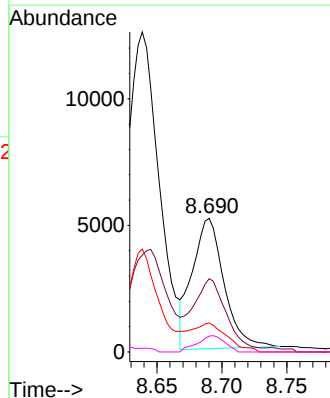
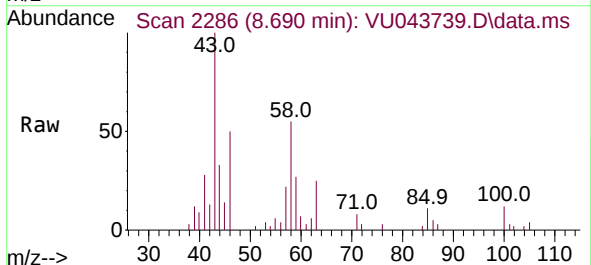
Ion	Ratio	Lower	Upper
164	100		
129	90.3	65.5	121.6
131	98.4	63.0	117.0
166	120.1	88.6	164.6

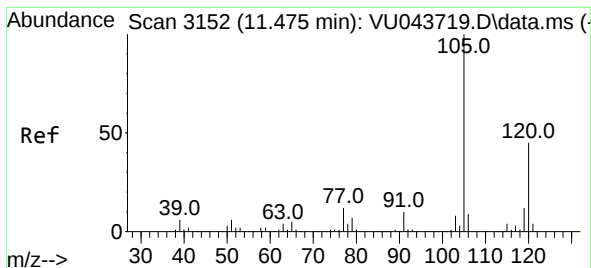


#48
2-Hexanone
Concen: 2.07 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

Tgt Ion: 43 Resp: 8787

Ion	Ratio	Lower	Upper
43	100		
58	52.3	46.2	69.2
57	0.0	15.9	23.9
100	10.8	9.0	13.6

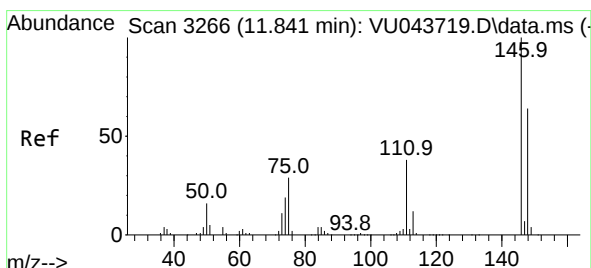
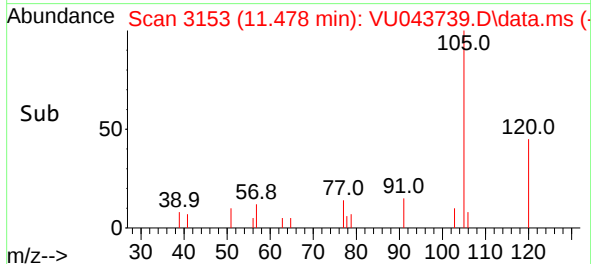
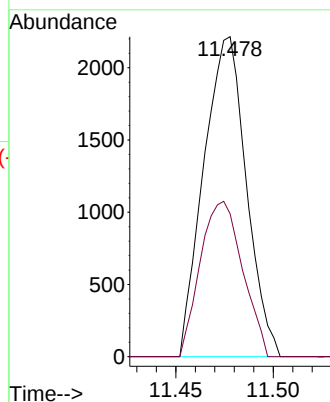
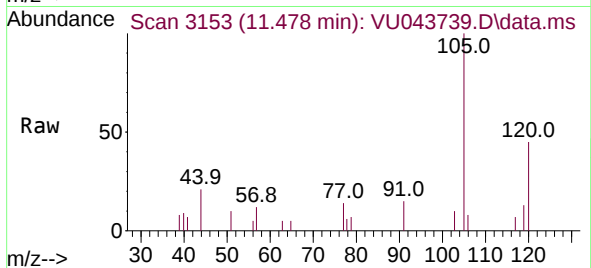




#63
1,2,4-Trimethylbenzene
Concen: 0.36 ug/L
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

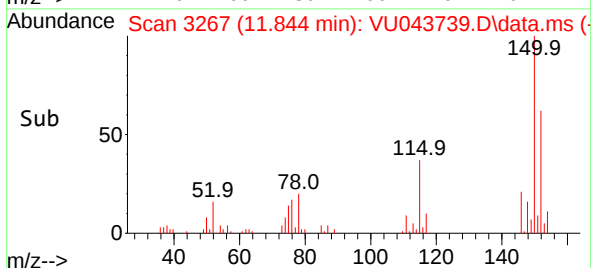
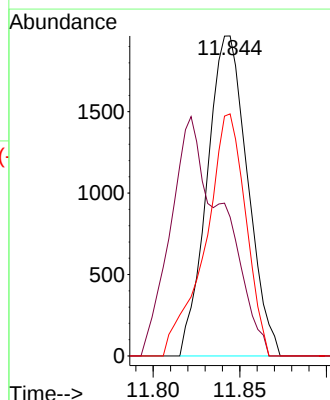
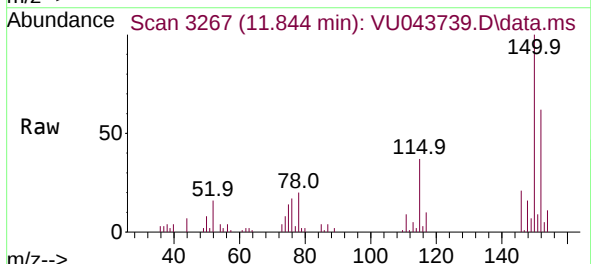
Instrument :
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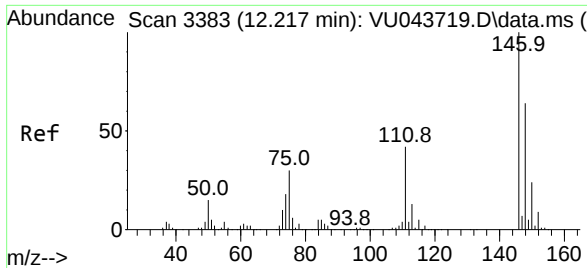
Tgt Ion:105 Resp: 3360
Ion Ratio Lower Upper
105 100
120 48.3 36.2 54.2



#65
1,4-Dichlorobenzene
Concen: 0.58 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

Tgt Ion:146 Resp: 3191
Ion Ratio Lower Upper
146 100
111 46.1 27.1 50.3
148 71.4 45.4 84.4

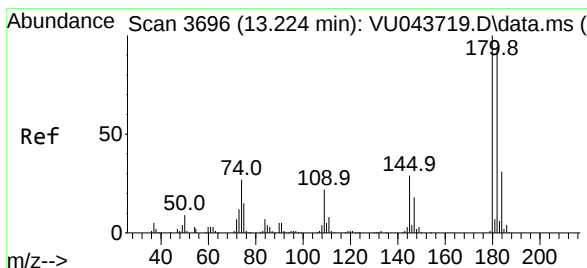
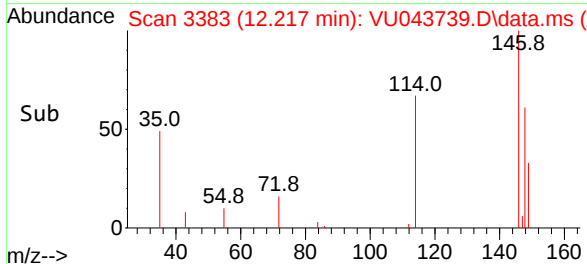
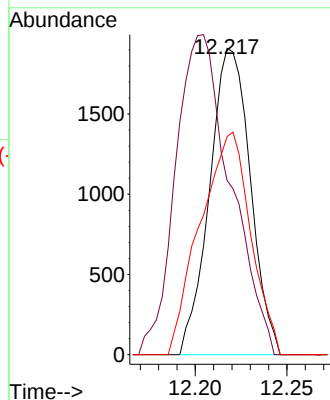
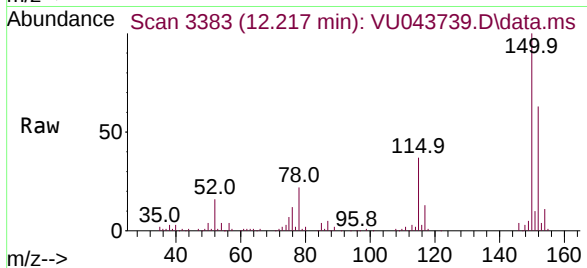




#67
1,2-Dichlorobenzene
Concen: 0.52 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

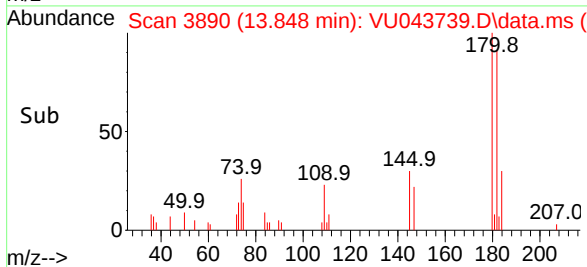
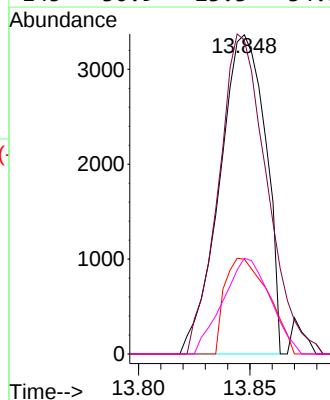
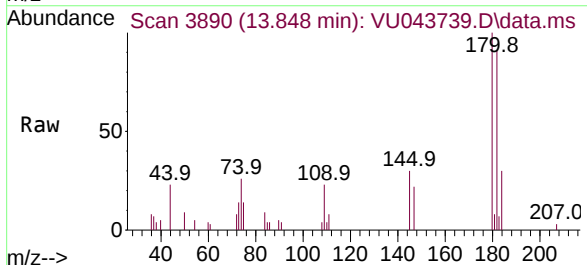
Instrument :
MSVOA_U
ClientSampleId :

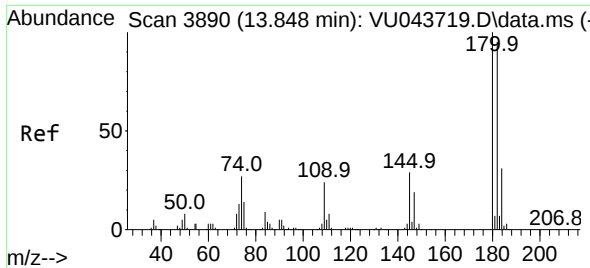
Tgt Ion:146 Resp: 2951
Ion Ratio Lower Upper
146 100
111 56.9 33.5 50.3#
148 71.2 51.7 77.5



#69
1,3,5-Trichlorobenzene
Concen: 1.20 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.624 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

Tgt Ion:180 Resp: 4817
Ion Ratio Lower Upper
180 100
182 105.3 76.4 114.6
184 28.3 25.0 37.4
145 30.9 23.3 34.9

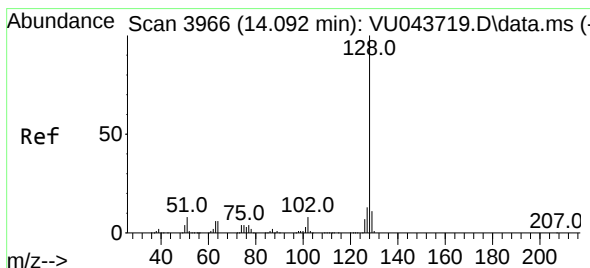
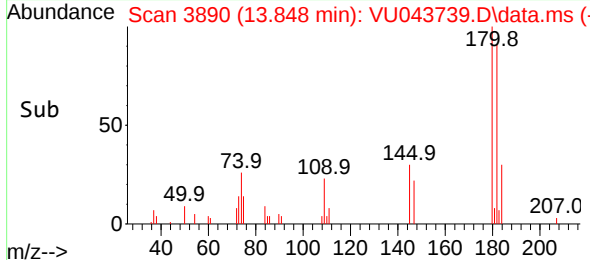
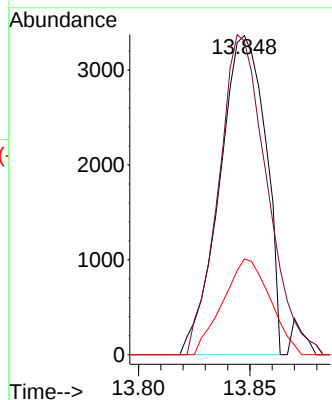
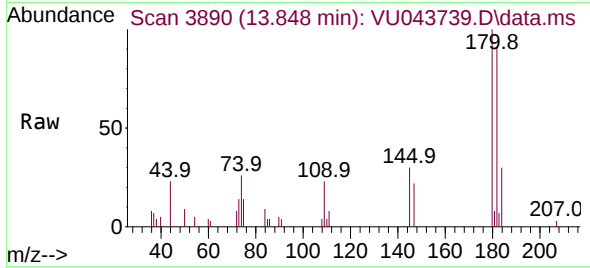




#70
1,2,4-trichlorobenzene
Concen: 1.40 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

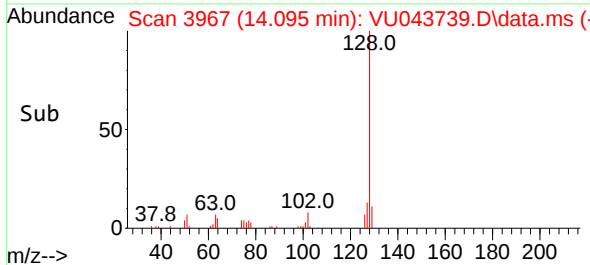
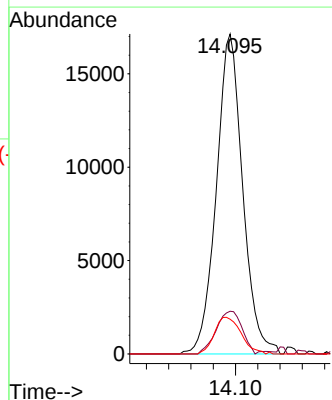
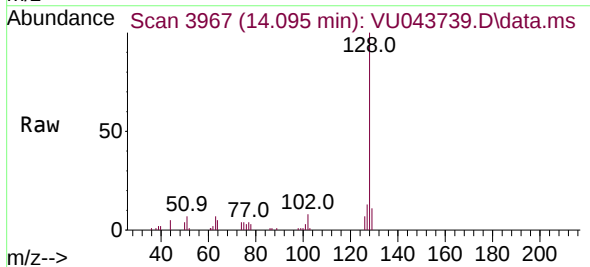
Instrument :
MSVOA_U
ClientSampled :

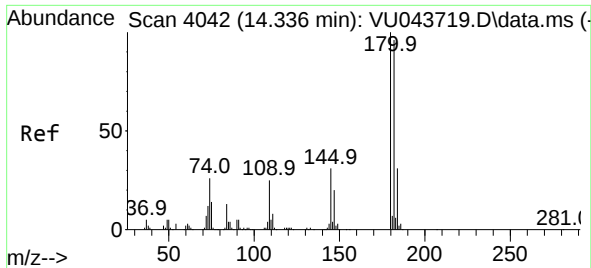
Tgt Ion:180 Resp: 4817
Ion Ratio Lower Upper
180 100
182 105.3 75.9 113.9
145 30.9 23.4 35.0



#71
Naphthalene
Concen: 2.45 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043739.D
Acq: 14 May 2021 07:18

Tgt Ion:128 Resp: 28151
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.6 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.71 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.000 min
 Lab File: VU043739.D
 Acq: 14 May 2021 07:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	180	Resp:	6183
Ion Ratio	Lower	Upper	
180	100		
182	97.7	76.9	115.3
145	32.6	24.9	37.3

