

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031921\
 Data File : VU042723.D
 Acq On : 19 Mar 2021 16:13
 Operator : SY/MD
 Sample : M1744-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 ETZF6

Quant Time: Mar 20 05:51:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 20 05:47:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	71033	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	71118	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	34135	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	24699	5.22	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 104.40%			
7) Chloroethane-d5	1.919	69	20133	5.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 112.20%			
11) 1,1-Dichloroethene-d2	2.575	63	38166	3.57	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 71.40%			
20) 2-Butanone-d5	4.645	46	82009	52.75	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.50%			
24) Chloroform-d	5.073	84	46737	4.99	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.80%			
26) 1,2-Dichloroethane-d4	5.713	65	29719	5.16	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.20%			
32) Benzene-d6	5.735	84	85101	4.88	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.60%			
36) 1,2-Dichloropropane-d6	6.700	67	28059	4.99	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 99.80%			
41) Toluene-d8	7.906	98	77706	4.56	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.20%			
43) trans-1,3-Dichloroprop...	8.185	79	11342	4.32	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 86.40%			
46) 2-Hexanone-d5	8.645	63	58982	46.88	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 93.76%			
57) 1,1,2,2-Tetrachloroeth...	10.764	84	23221	4.63	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.60%			
64) 1,2-Dichlorobenzene-d4	12.201	152	30734	4.97	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	53922	8.16	ug/L	99
3) Chloromethane	1.523	50	317	0.05	ug/L	100
5) Vinyl chloride	1.607	62	325	0.05	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	365	0.07	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	609	0.12	ug/L #	1
14) Carbon disulfide	2.803	76	191893	12.04	ug/L	100
18) trans-1,2-Dichloroethene	3.359	96	349	0.07	ug/L	96
22) cis-1,2-Dichloroethene	4.678	96	33806	6.01	ug/L	98
25) Chloroform	5.099	83	1118	0.10	ug/L #	73
33) Benzene	5.784	78	6955	0.31	ug/L	100
34) Trichloroethene	6.549	95	66787	10.83	ug/L	98
35) Methylcyclohexane	6.700	83	6611	0.70	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	3431	0.57	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	908	0.10	ug/L #	78
42) Toluene	7.980	91	2278	0.09	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	587	0.07	ug/L	89
45) 1,1,2-Trichloroethane	8.558	97	251	0.06	ug/L #	1
47) Tetrachloroethene	8.562	164	35092	6.98	ug/L	97
49) Dibromochloromethane	8.562	129	31298	5.64	ug/L #	12
52) Ethylbenzene	9.578	91	1253	0.05	ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 20 05:47:33 2021
Response via : Initial Calibration

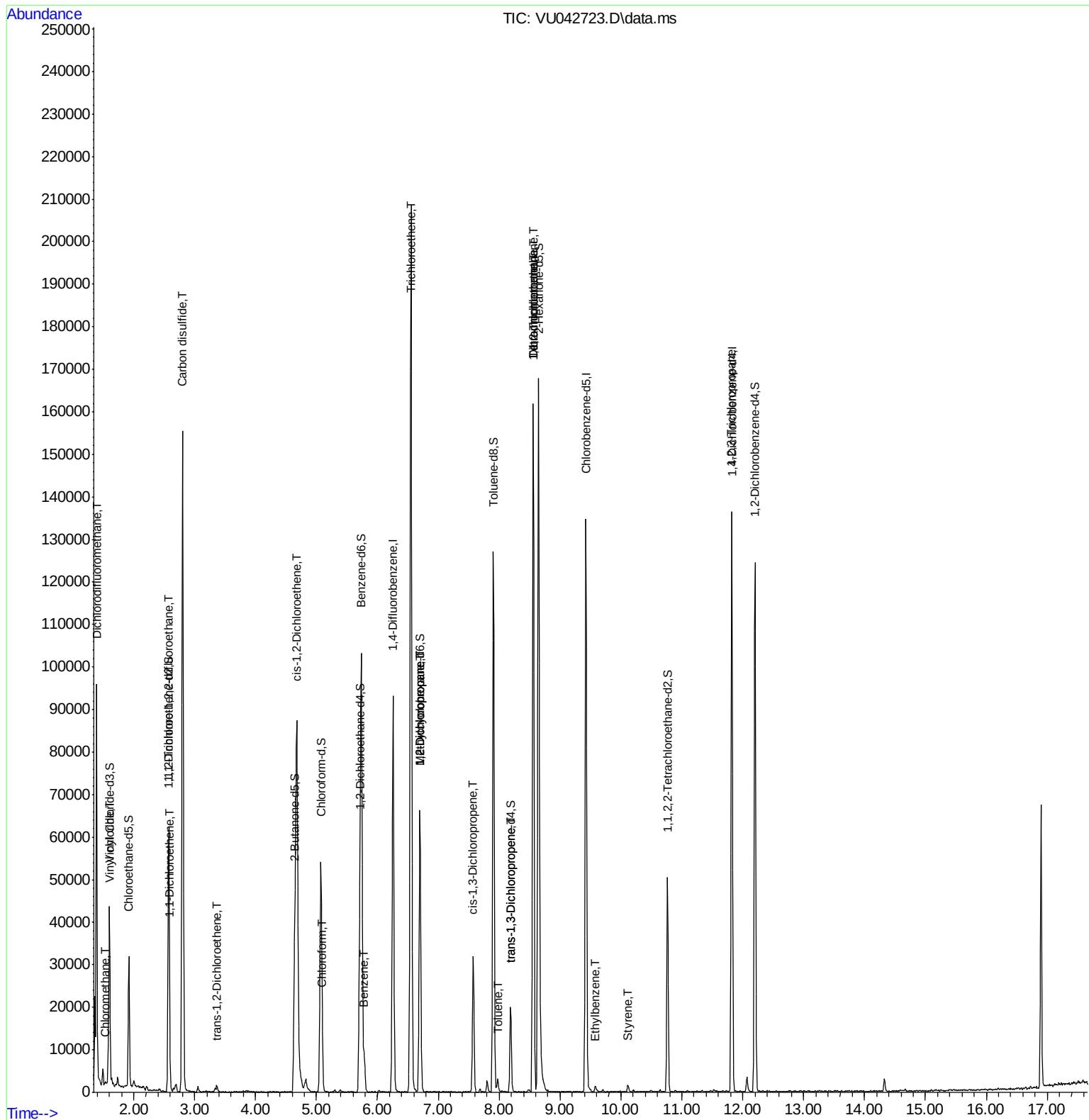
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.118	104	899	0.05 ug/L	#	74
59) 1,2,3-Trichloropropane	11.819	75	4193	0.93 ug/L		94

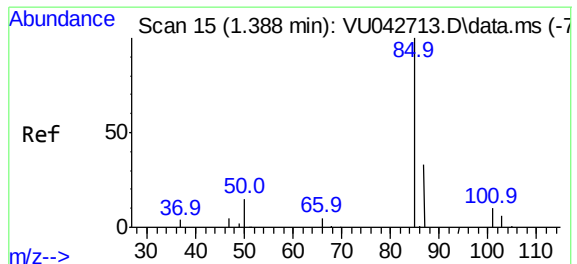
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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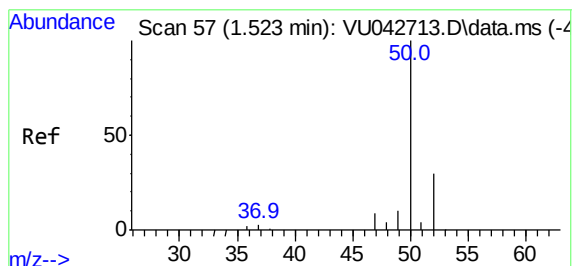
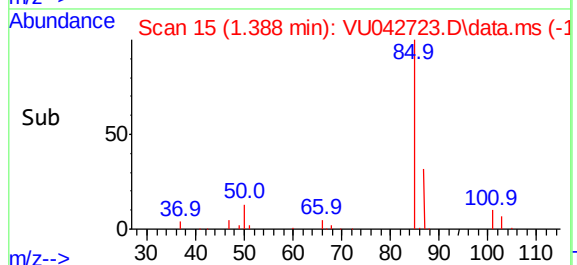
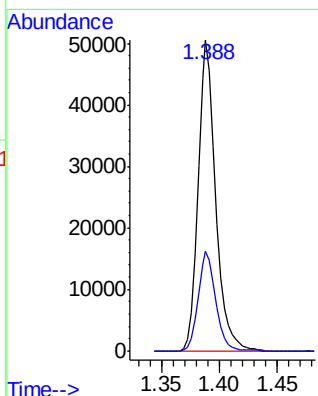
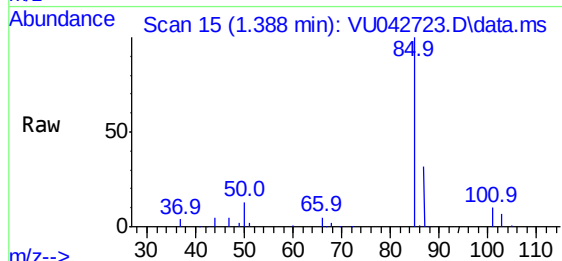




#2
Dichlorodifluoromethane
Concen: 8.16 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

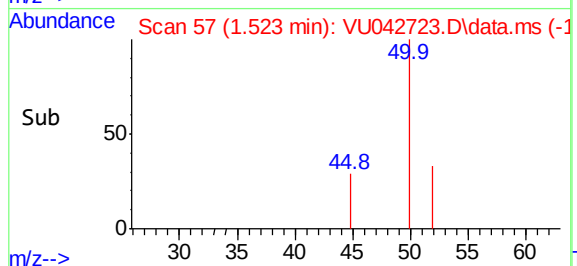
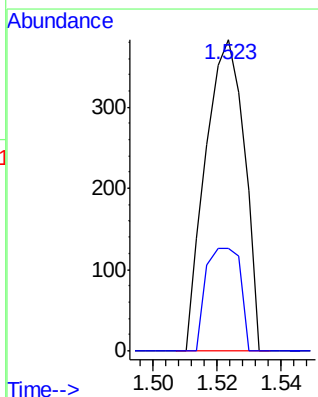
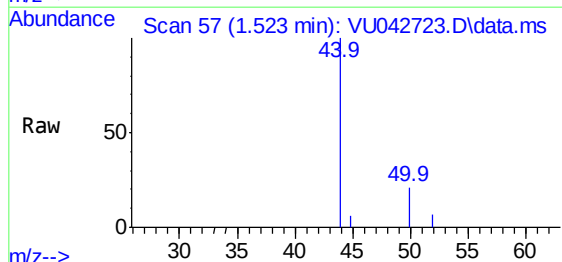
Instrument :
MSVOA_U
ClientSampled :
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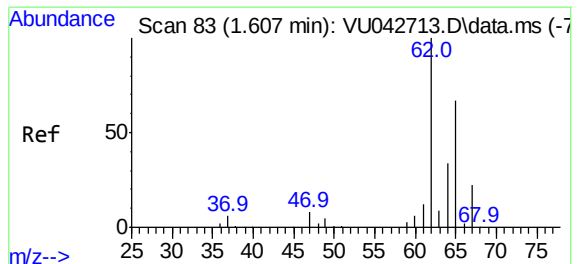
Tgt Ion: 85 Resp: 53922
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1



#3
Chloromethane
Concen: 0.05 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 50 Resp: 317
Ion Ratio Lower Upper
50 100
52 32.9 23.0 42.8

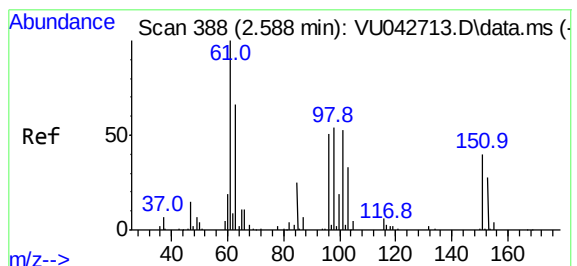
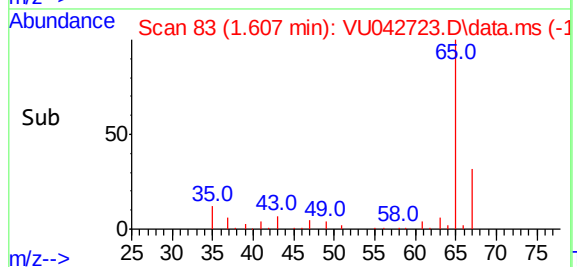
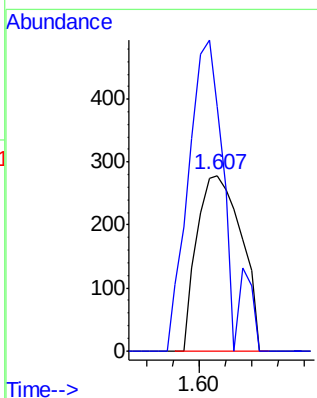
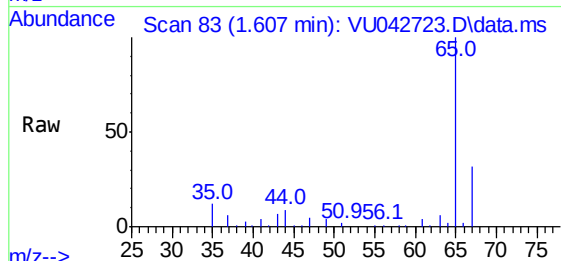




#5
 Vinyl chloride
 Concen: 0.05 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU042723.D
 Acq: 19 Mar 2021 16:13

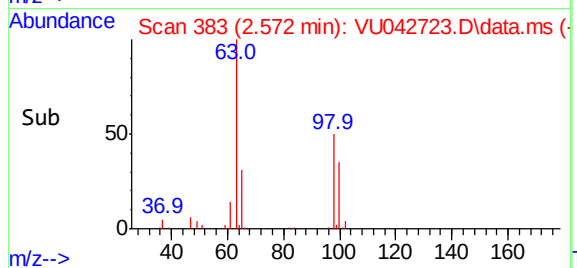
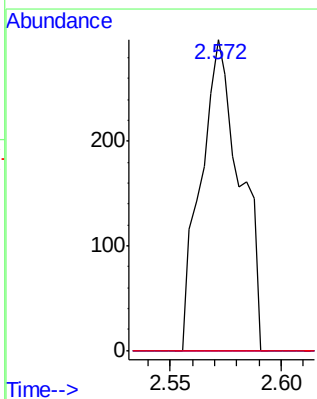
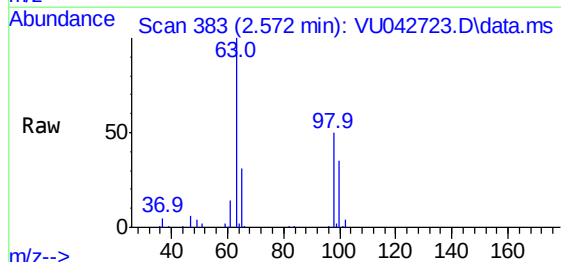
Instrument :
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 ClientSampled :
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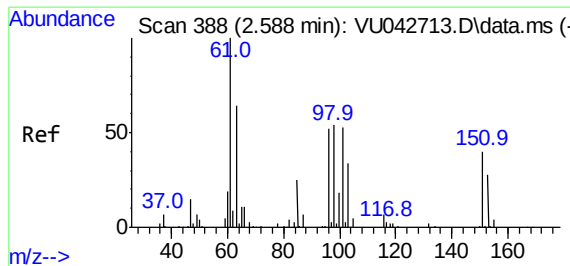
Tgt Ion: 62 Resp: 325
 Ion Ratio Lower Upper
 62 100
 64 139.4 22.7 42.1#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.07 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042723.D
 Acq: 19 Mar 2021 16:13

Tgt Ion: 101 Resp: 365
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#

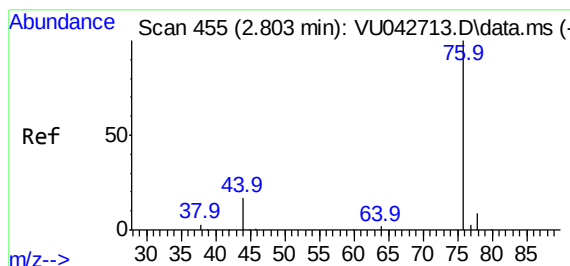
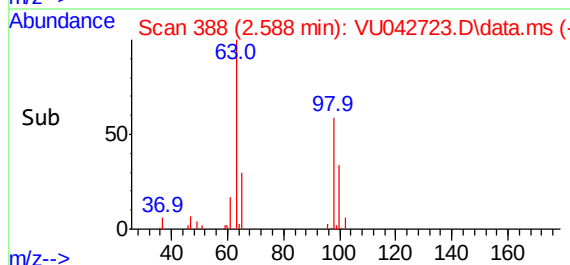
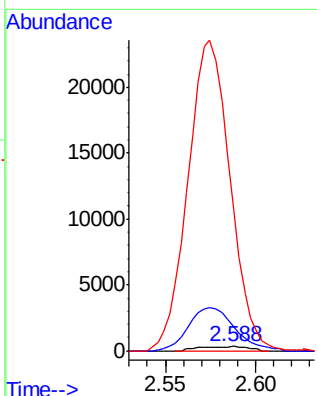
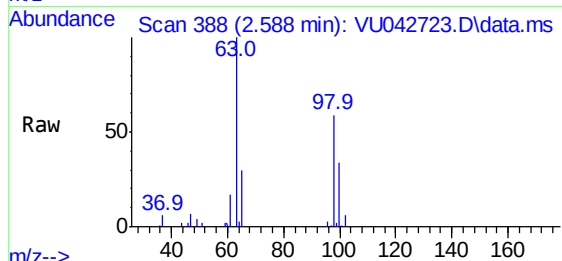




#12
1,1-Dichloroethene
Concen: 0.12 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

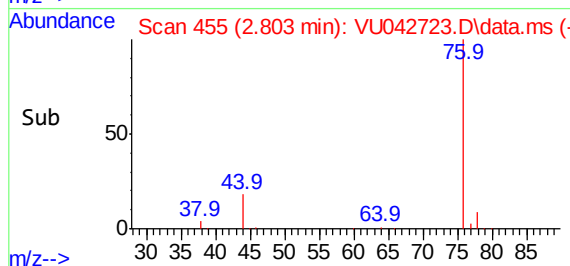
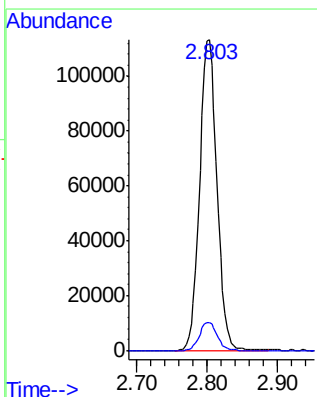
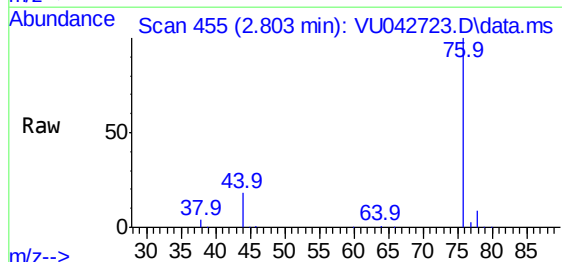
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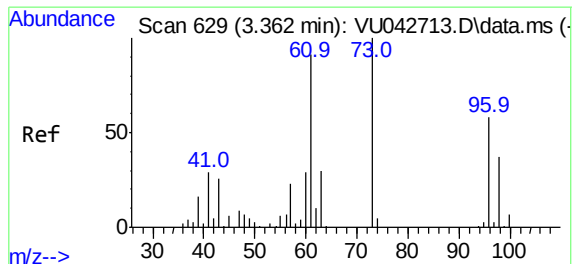
Tgt Ion: 96 Resp: 609
Ion Ratio Lower Upper
96 100
61 569.3 126.2 234.4#
63 3373.7 77.8 144.4#



#14
Carbon disulfide
Concen: 12.04 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 76 Resp: 191893
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

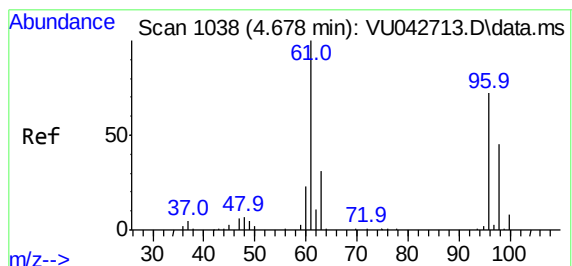
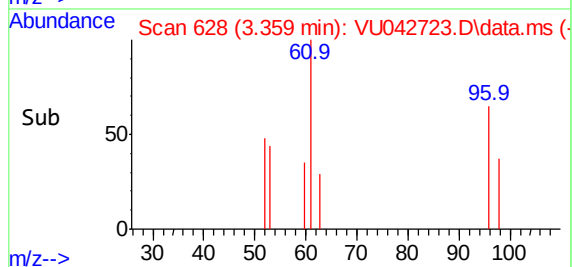
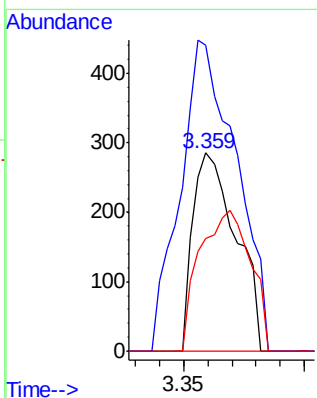
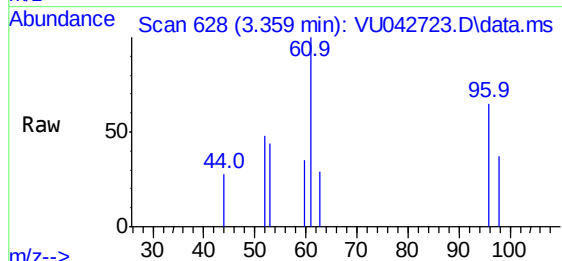




#18
trans-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

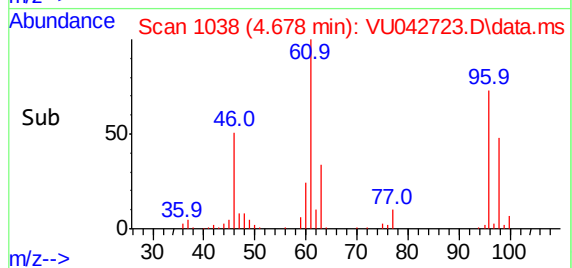
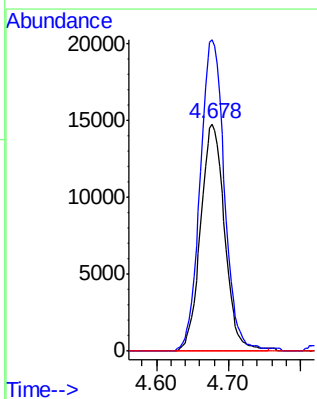
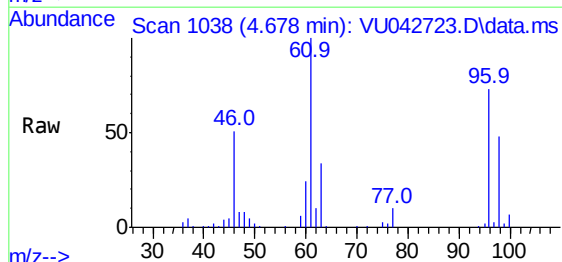
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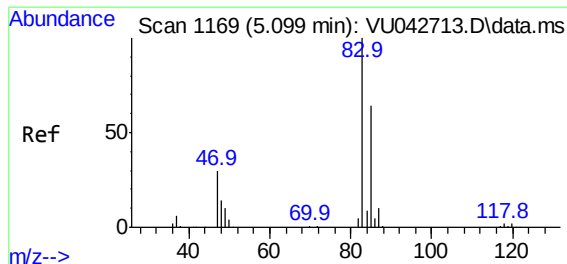
Tgt Ion: 96 Resp: 349
Ion Ratio Lower Upper
96 100
61 154.7 105.7 196.3
98 56.8 42.8 79.6



#22
cis-1,2-Dichloroethene
Concen: 6.01 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 96 Resp: 33806
Ion Ratio Lower Upper
96 100
61 137.0 97.8 181.6
68 0.0 0.0 0.0

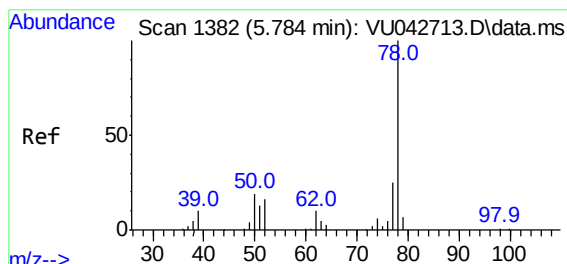
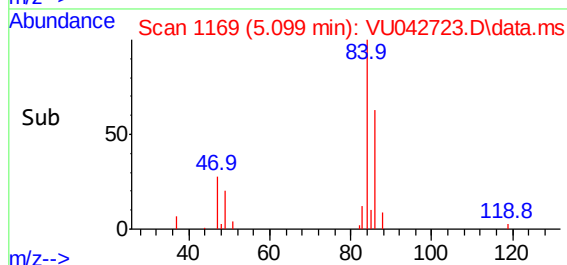
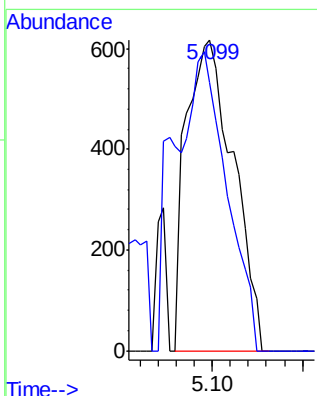
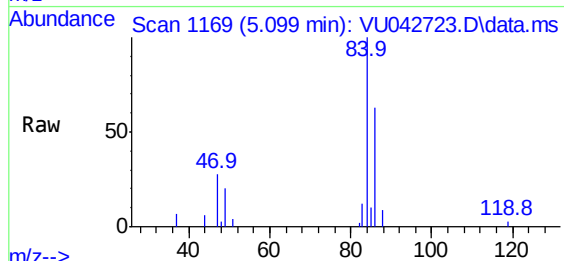




#25
Chloroform
Concen: 0.10 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

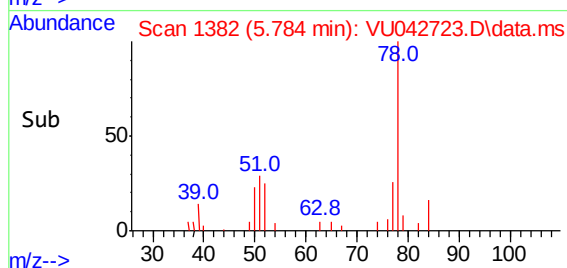
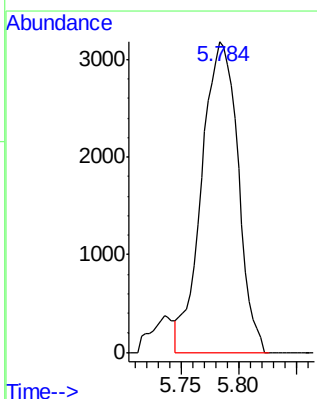
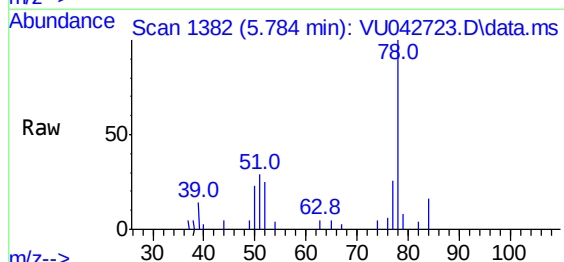
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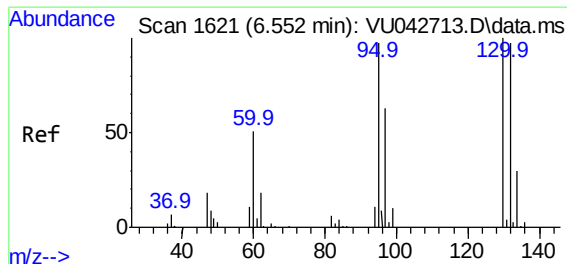
Tgt Ion: 83 Resp: 1118
Ion Ratio Lower Upper
83 100
85 86.4 45.7 84.9#



#33
Benzene
Concen: 0.31 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
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Tgt Ion: 78 Resp: 6955

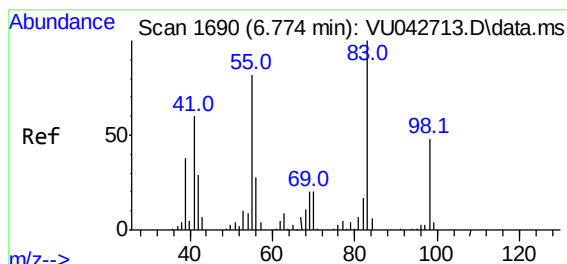
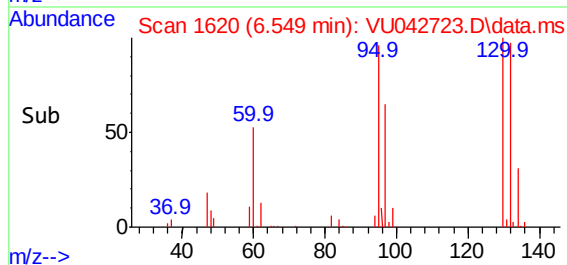
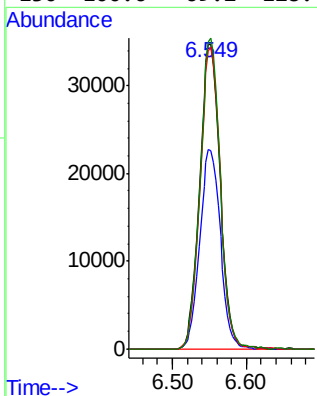
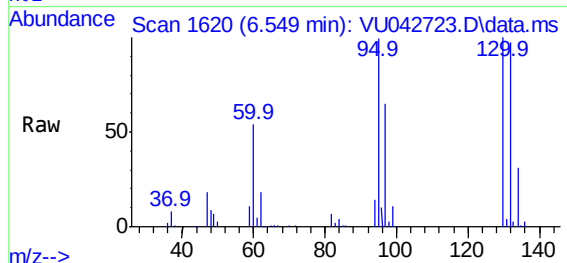




#34
Trichloroethene
Concen: 10.83 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

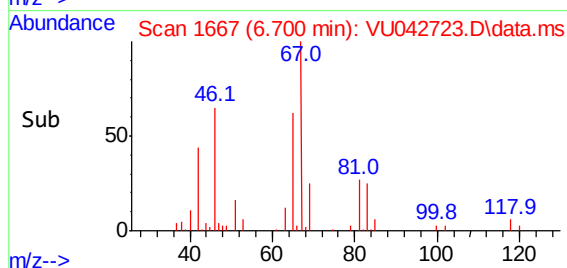
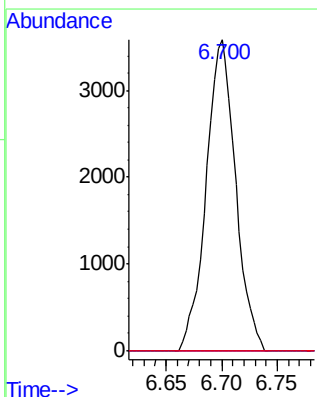
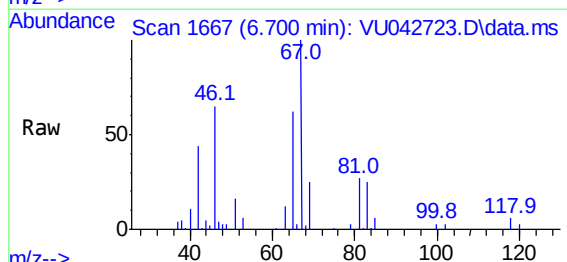
Instrument :
MSVOA_U
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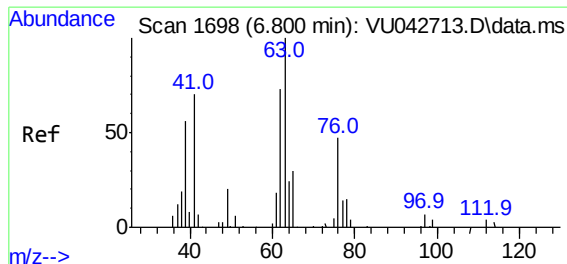
Tgt Ion: 95 Resp: 66787
Ion Ratio Lower Upper
95 100
97 65.4 44.4 82.4
132 97.9 68.0 126.4
130 100.6 69.2 128.4



#35
Methylcyclohexane
Concen: 0.70 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 83 Resp: 6611
Ion Ratio Lower Upper
83 100
55 0.0 68.2 102.4#
98 1.2 39.7 59.5#

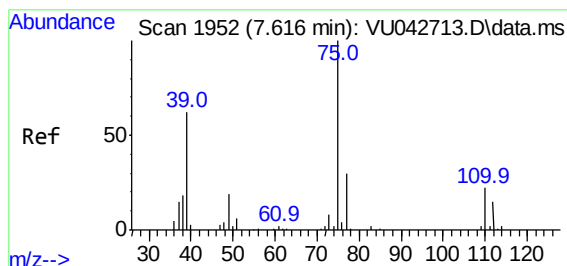
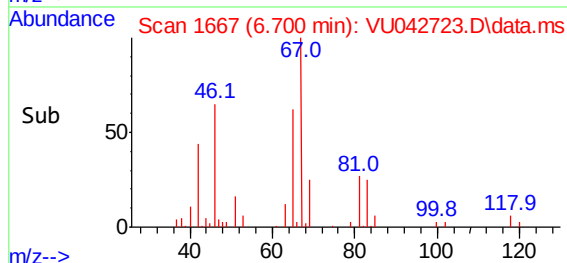
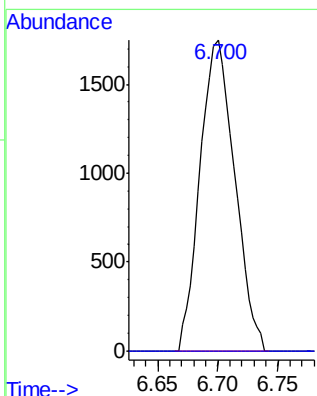
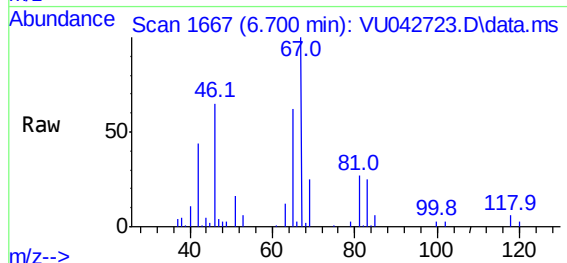




#37
1,2-Dichloropropane
Concen: 0.57 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

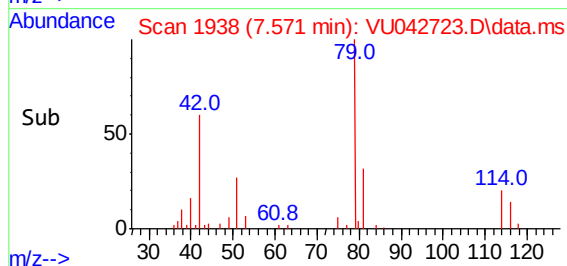
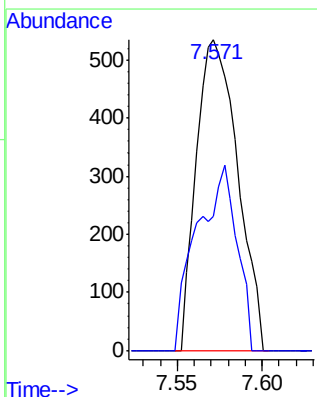
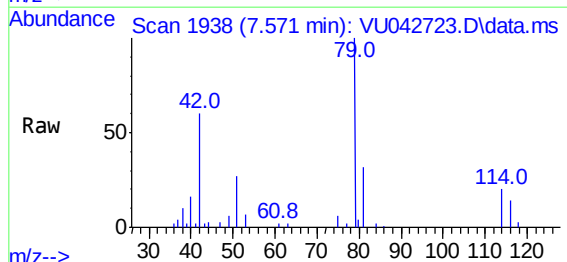
Instrument :
MSVOA_U
ClientSampleId :
ETZF6

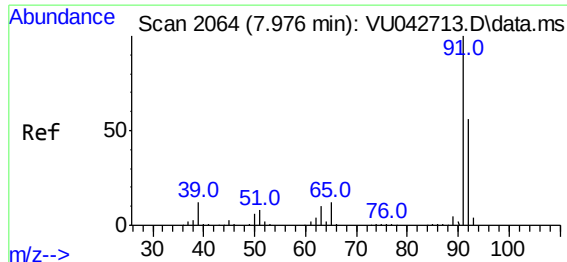
Tgt Ion: 63 Resp: 3431
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 75 Resp: 908
Ion Ratio Lower Upper
75 100
77 43.4 22.0 40.8#





#42

Toluene

Concen: 0.09 ug/L

RT: 7.980 min Scan# 2065

Delta R.T. 0.003 min

Lab File: VU042723.D

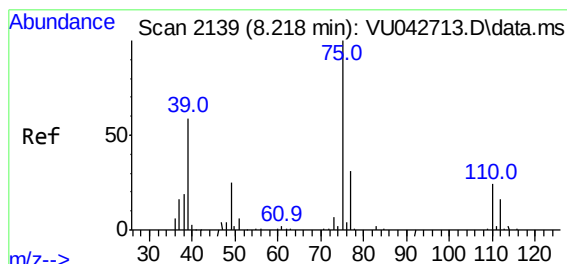
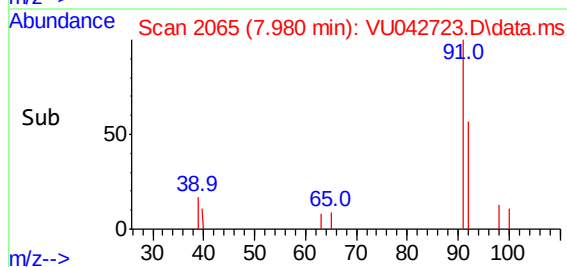
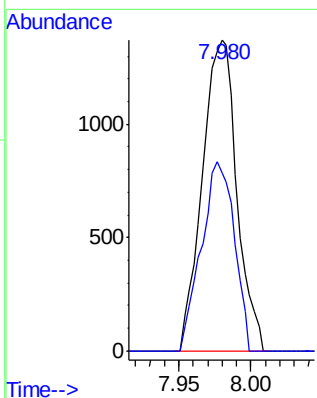
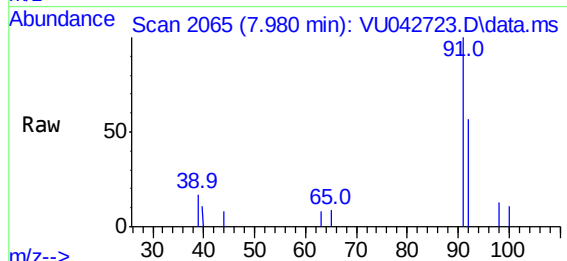
Acq: 19 Mar 2021 16:13

Tgt Ion: 91 Resp: 2278

Ion Ratio Lower Upper

91 100

92 57.1 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.07 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.032 min

Lab File: VU042723.D

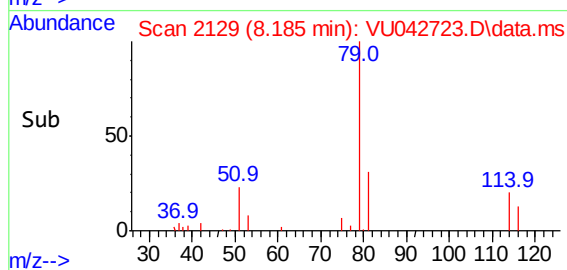
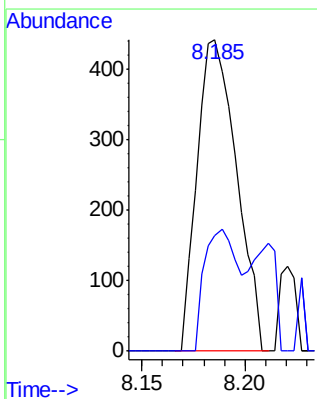
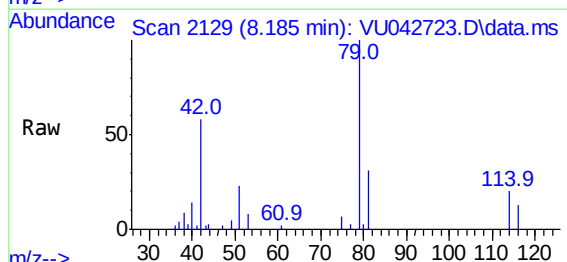
Acq: 19 Mar 2021 16:13

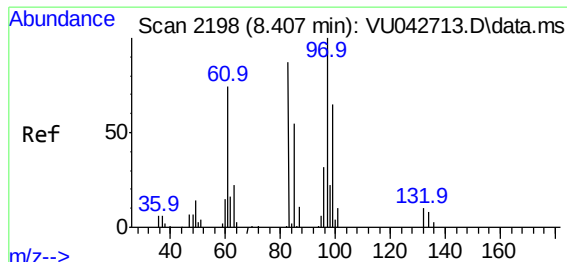
Tgt Ion: 75 Resp: 587

Ion Ratio Lower Upper

75 100

77 37.0 21.8 40.4



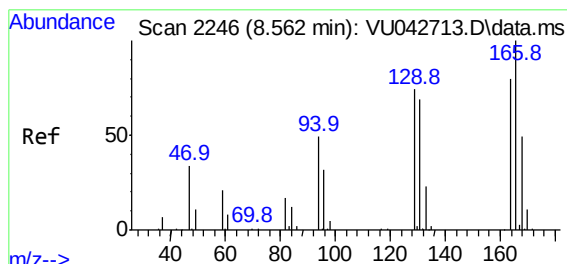
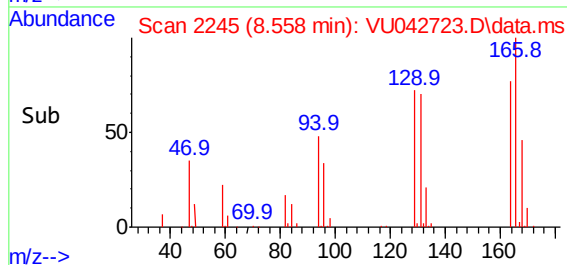
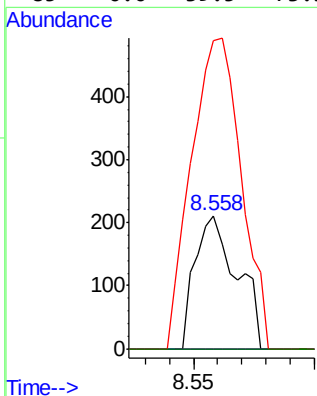
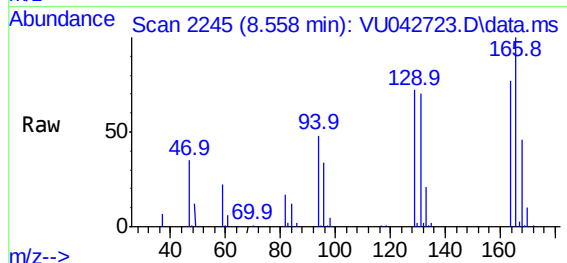


#45
1,1,2-Trichloroethane
Concen: 0.06 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.151 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Instrument :
MSVOA_U
ClientSampleId :
ETZF6

Tgt Ion: 97 Resp: 251

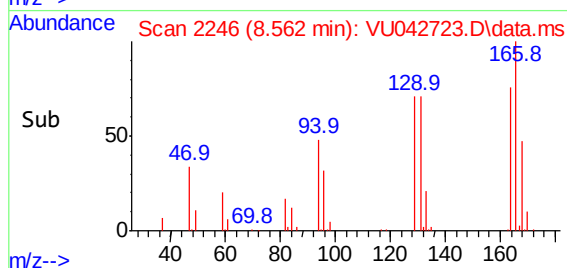
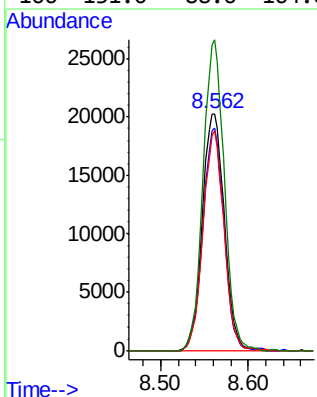
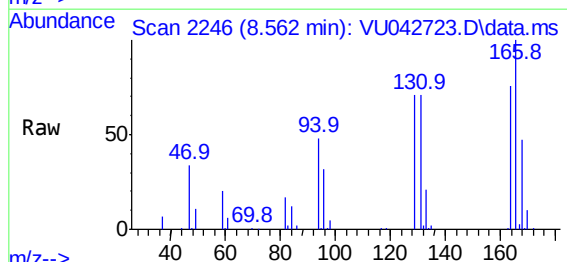
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.0	81.8#
83	231.8	57.6	107.0#
85	0.0	39.5	73.3#

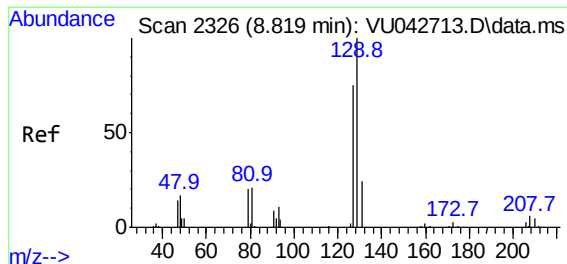


#47
Tetrachloroethene
Concen: 6.98 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 164 Resp: 35092

Ion	Ratio	Lower	Upper
164	100		
129	93.7	64.3	119.5
131	92.6	62.2	115.6
166	131.0	88.6	164.6

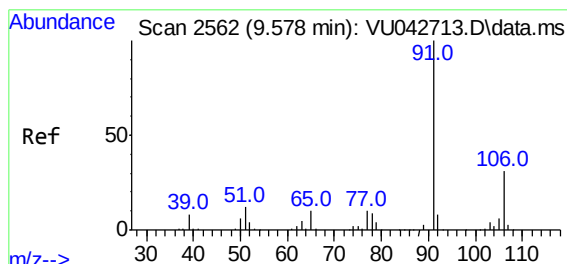
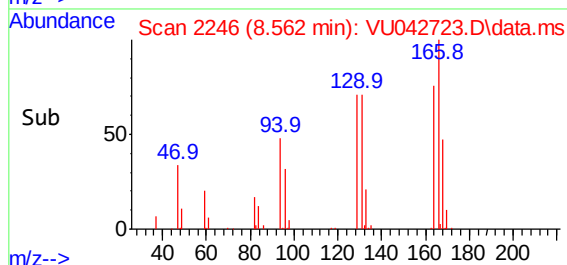
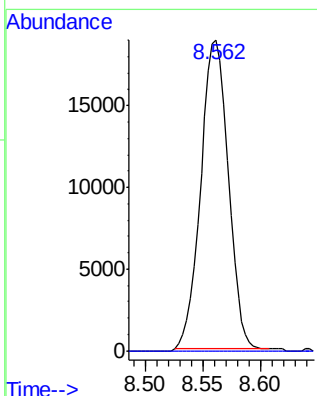
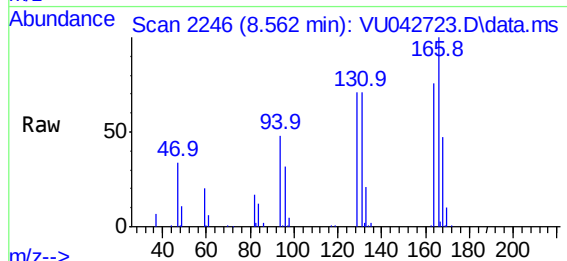




#49
Dibromochloromethane
Concen: 5.64 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

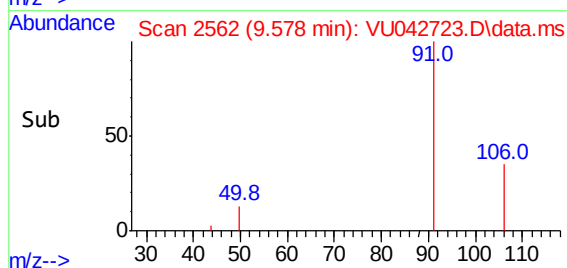
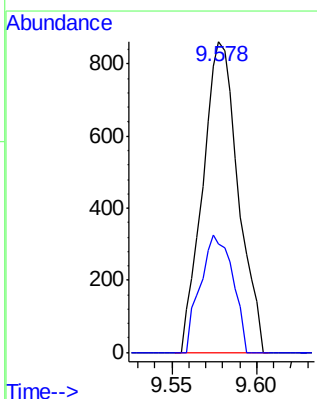
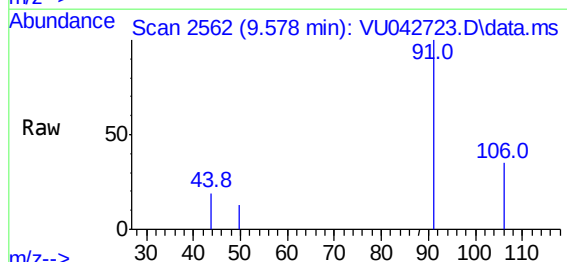
Instrument :
MSVOA_U
ClientSampleId :
ETZf6

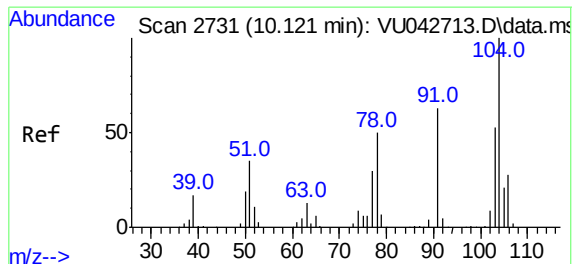
Tgt Ion:129 Resp: 31298
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#52
Ethylbenzene
Concen: 0.05 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 91 Resp: 1253
Ion Ratio Lower Upper
91 100
106 35.0 21.1 39.3

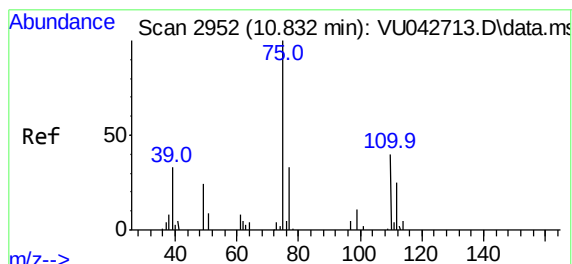
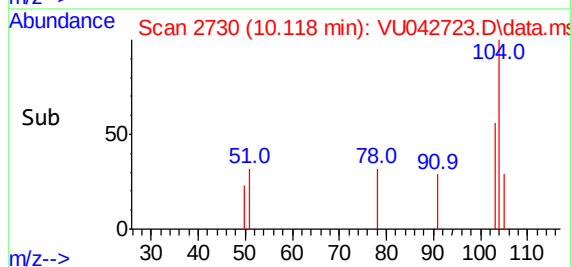
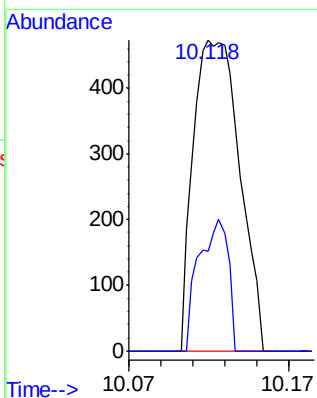
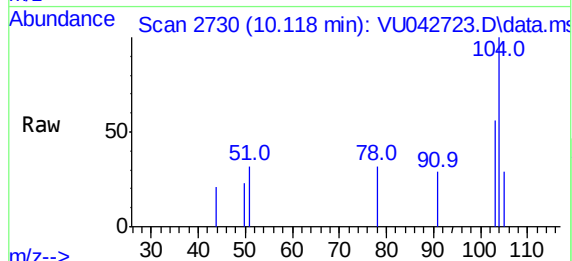




#55
Styrene
Concen: 0.05 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Instrument :
MSVOA_U
ClientSampleId :
ETZF6

Tgt Ion:104 Resp: 899
Ion Ratio Lower Upper
104 100
78 32.1 34.9 64.7#



#59
1,2,3-Trichloropropane
Concen: 0.93 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042723.D
Acq: 19 Mar 2021 16:13

Tgt Ion: 75 Resp: 4193
Ion Ratio Lower Upper
75 100
77 36.0 26.0 39.0

