

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
 Data File : VU043795.D
 Acq On : 17 May 2021 16:36
 Operator : SY/MD
 Sample : M2380-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6M3

Quant Time: May 18 03:12:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 15 00:49:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	231668	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	233216	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	107883	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	79970	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.919	69	57917	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.572	65	34512	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	4.645	46	154929	47.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.40%
24) Chloroform-d	5.073	84	140592	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.713	65	70710	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.735	84	294541	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.700	67	93376	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.906	98	248925	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloroprop...	8.189	79	31868	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.645	63	149440	47.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.70%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	73271	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
66) 1,2-Dichlorobenzene-d4	12.201	152	96339	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds				Qvalue		
3) Chloromethane	1.520	50	1932	0.10	ug/L	91
5) Vinyl chloride	1.607	62	51892	2.64	ug/L	99
18) trans-1,2-Dichloroethene	3.363	96	4783	0.30	ug/L	95
19) 1,1-Dichloroethane	3.880	63	116859	4.03	ug/L	98
22) cis-1,2-Dichloroethene	4.678	96	152873	9.06	ug/L	100
25) Chloroform	5.099	83	68003	2.37	ug/L	95
27) 1,2-Dichloroethane	5.806	62	10974	0.62	ug/L	96
29) 1,1,1-Trichloroethane	5.324	97	33465	1.38	ug/L	98
30) Cyclohexane	5.395	56	3365	0.12	ug/L #	85
33) Benzene	5.784	78	23760	0.35	ug/L	100
34) Trichloroethene	6.552	95	7231	0.42	ug/L	97
42) Toluene	7.977	91	4323	0.06	ug/L	99
45) 1,1,2-Trichloroethane	8.411	97	5814	0.46	ug/L	91
51) Chlorobenzene	9.452	112	35262	0.80	ug/L	97
54) o-Xylene	10.108	106	2959	0.11	ug/L	90
64) 1,3-Dichlorobenzene	11.751	146	5825	0.19	ug/L	96
65) 1,4-Dichlorobenzene	11.845	146	7778	0.25	ug/L	96
67) 1,2-Dichlorobenzene	12.221	146	3936	0.13	ug/L	96
70) 1,2,4-trichlorobenzene	13.848	180	4991	0.25	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 15 00:49:19 2021
Response via : Initial Calibration

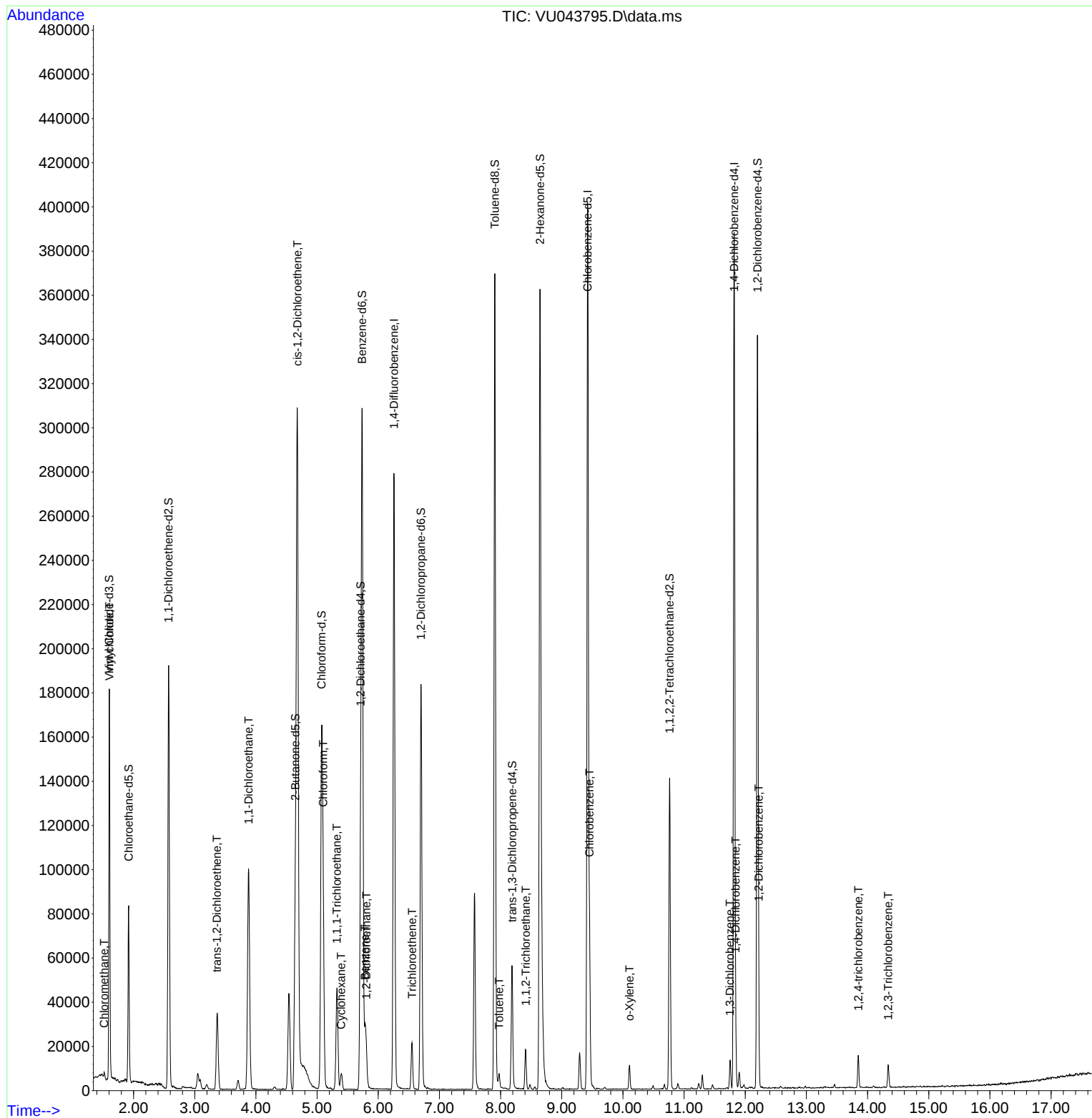
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.336	180	3854	0.20	ug/L	95

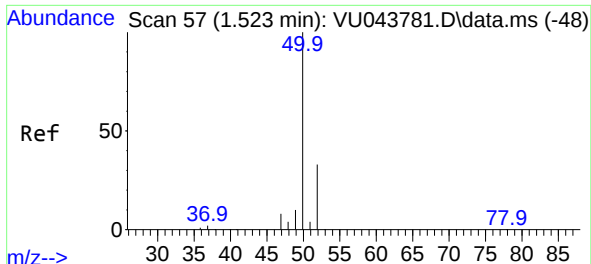
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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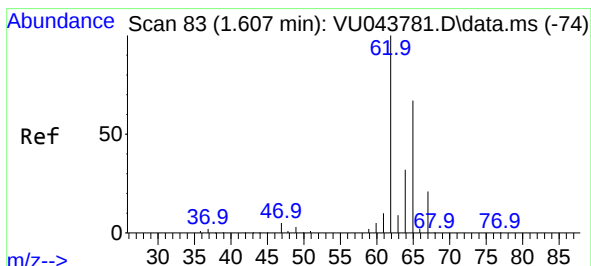
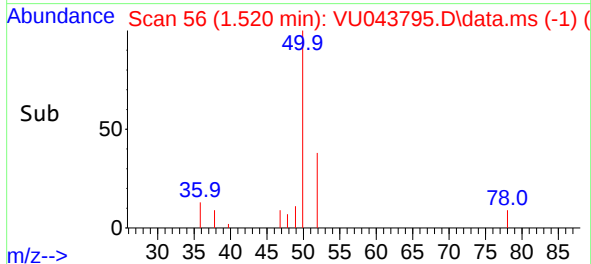
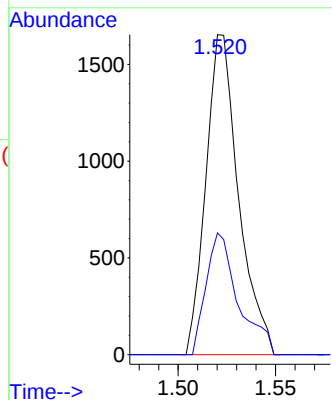
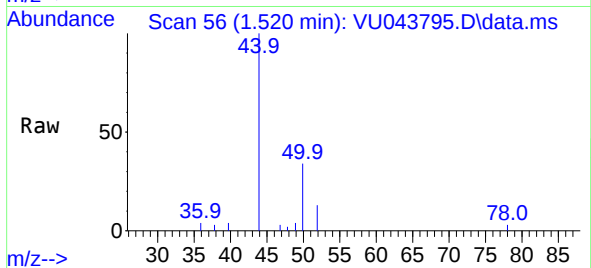




#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

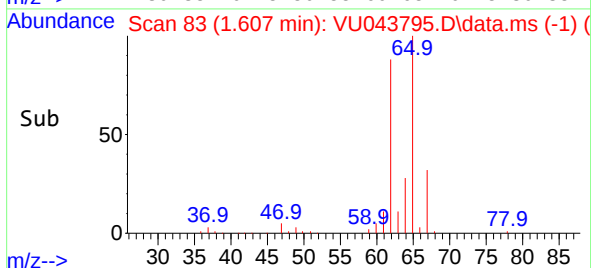
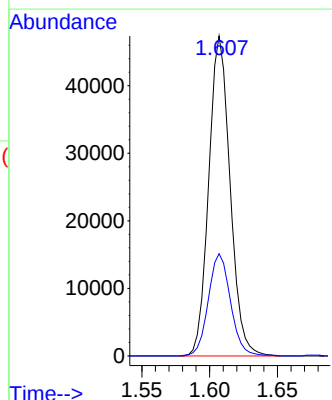
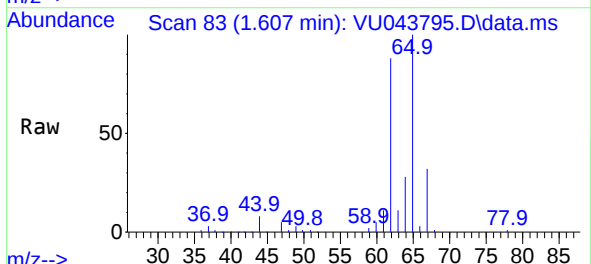
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

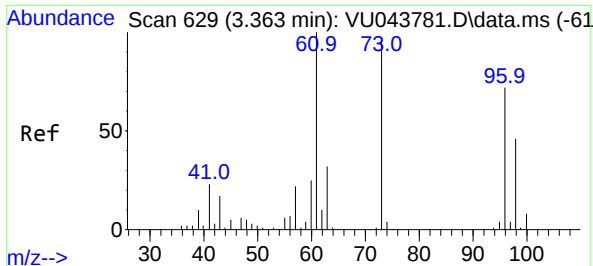
Tgt Ion: 50 Resp: 1932
Ion Ratio Lower Upper
50 100
52 38.0 23.2 43.2



#5
Vinyl chloride
Concen: 2.64 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion: 62 Resp: 51892
Ion Ratio Lower Upper
62 100
64 32.0 22.1 41.1

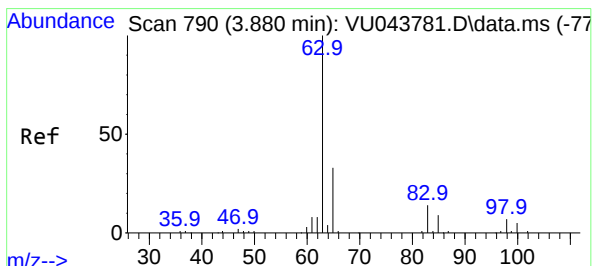
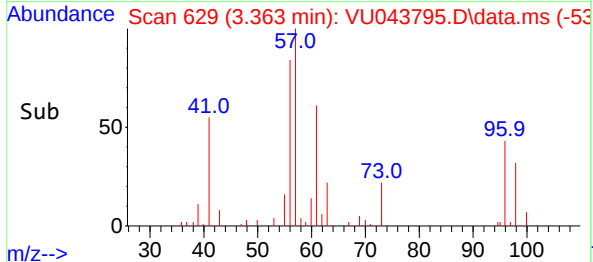
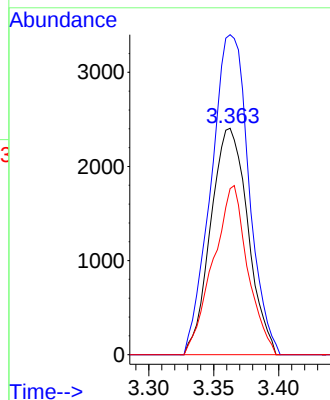
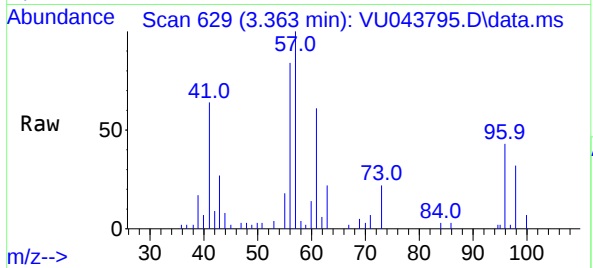




#18
trans-1,2-Dichloroethene
Concen: 0.30 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

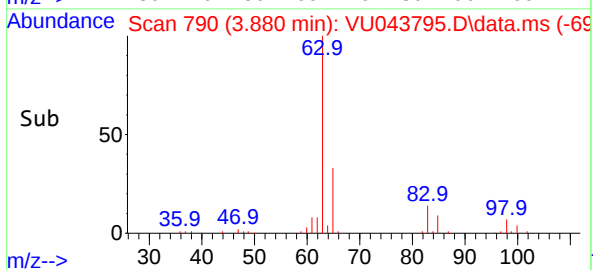
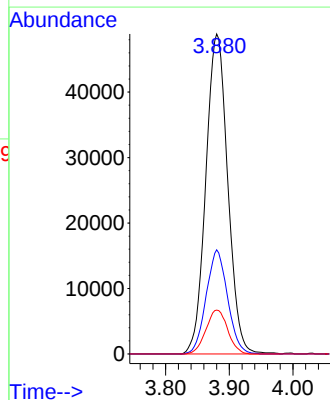
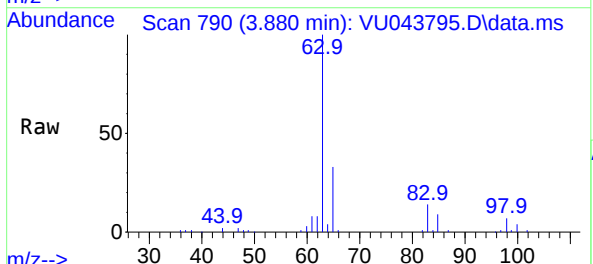
Instrument :
MSVOA_U
ClientSampleId :
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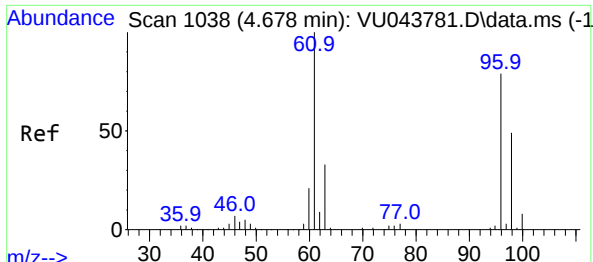
Tgt Ion: 96 Resp: 4783
Ion Ratio Lower Upper
96 100
61 141.4 99.6 185.0
98 73.3 43.8 81.4



#19
1,1-Dichloroethane
Concen: 4.03 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion: 63 Resp: 116859
Ion Ratio Lower Upper
63 100
65 32.5 22.3 41.3
83 13.7 9.0 16.8

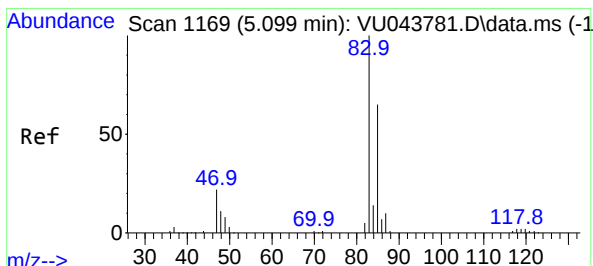
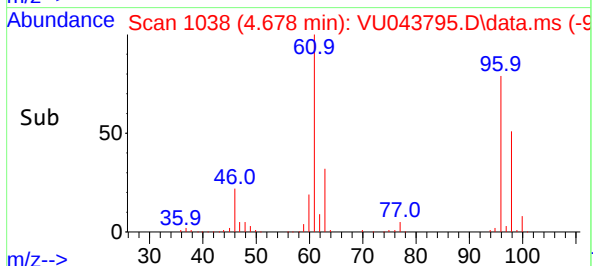
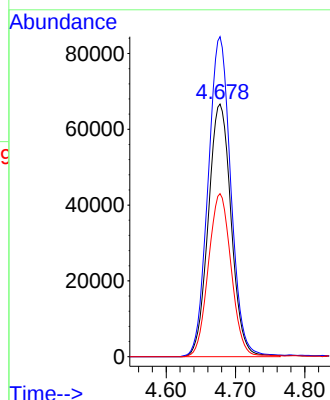
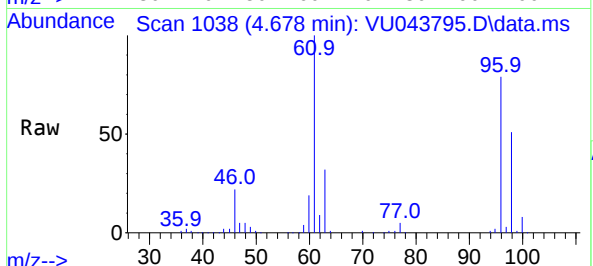




#22
cis-1,2-Dichloroethene
Concen: 9.06 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

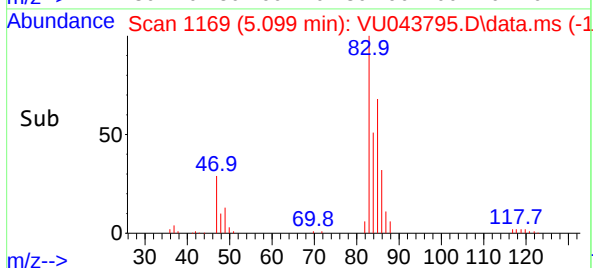
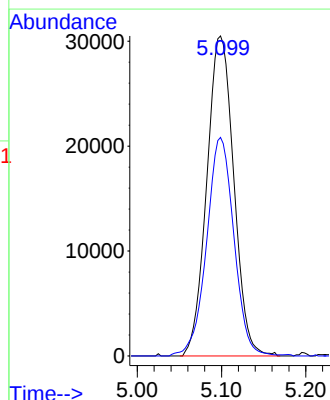
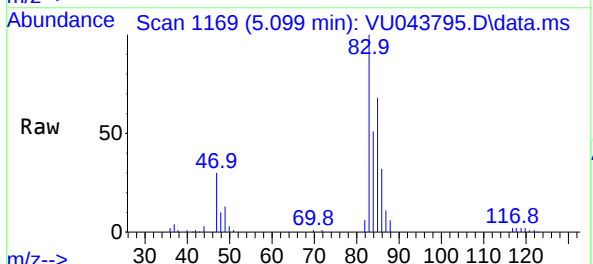
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

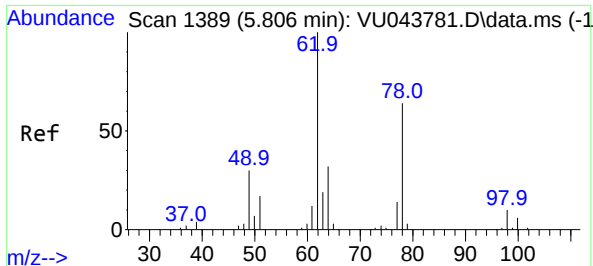
Tgt Ion: 96 Resp: 152873
Ion Ratio Lower Upper
96 100
61 126.7 89.0 165.4
98 64.6 44.9 83.3



#25
Chloroform
Concen: 2.37 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion: 83 Resp: 68003
Ion Ratio Lower Upper
83 100
85 68.3 45.0 83.6

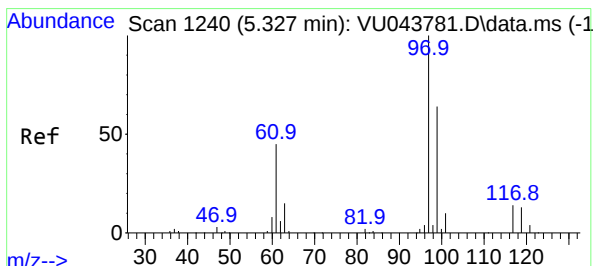
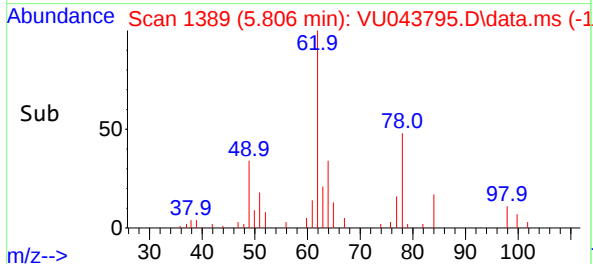
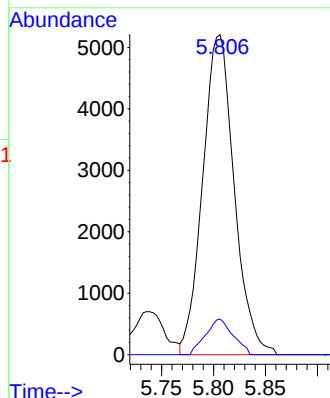
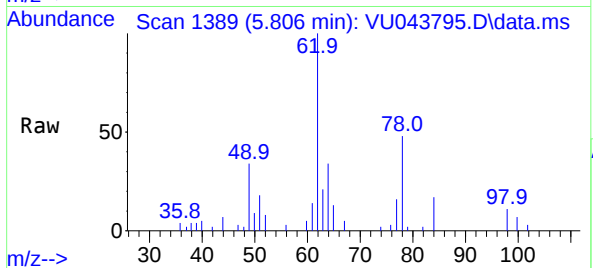




#27
1,2-Dichloroethane
Concen: 0.62 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

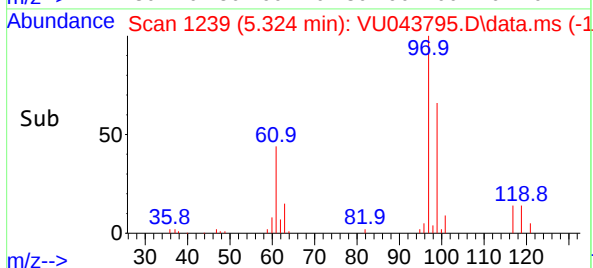
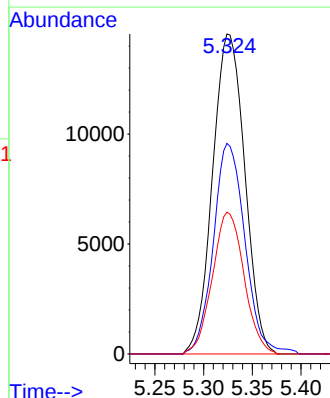
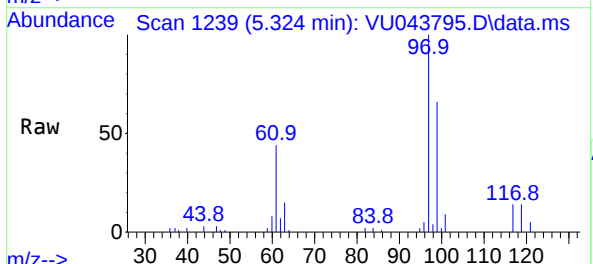
Instrument :
MSVOA_U
ClientSampled :
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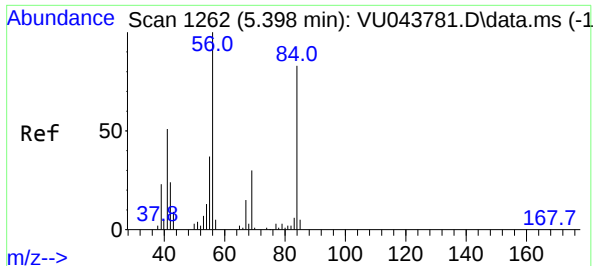
Tgt Ion: 62 Resp: 10974
Ion Ratio Lower Upper
62 100
98 11.2 7.7 11.5



#29
1,1,1-Trichloroethane
Concen: 1.38 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.003 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion: 97 Resp: 33465
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 43.6 37.0 55.4





#30

Cyclohexane

Concen: 0.12 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.003 min

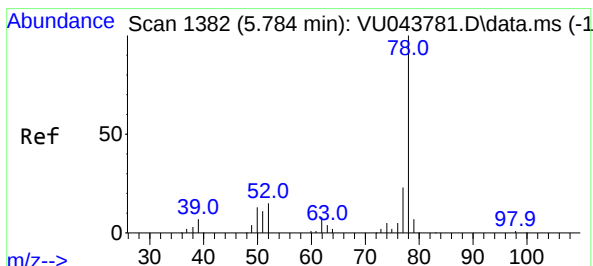
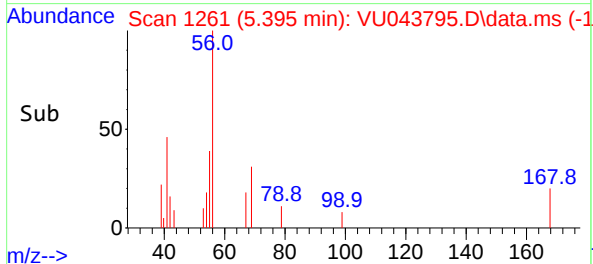
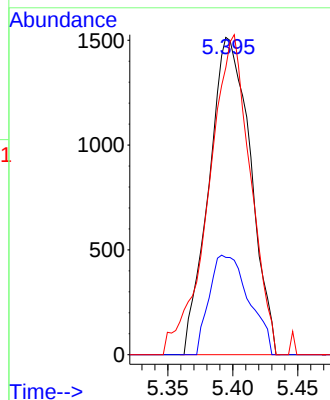
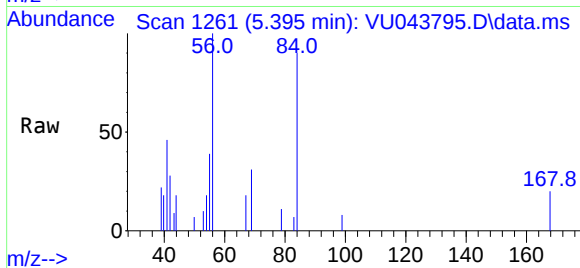
Lab File: VU043795.D

Acq: 17 May 2021 16:36

Instrument :
MSVOA_U
ClientSampled :
BG6M3

Tgt Ion: 56 Resp: 3365

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.8	37.2
84	101.1	66.8	100.2



#33

Benzene

Concen: 0.35 ug/L

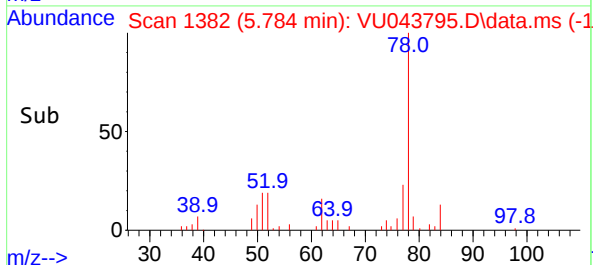
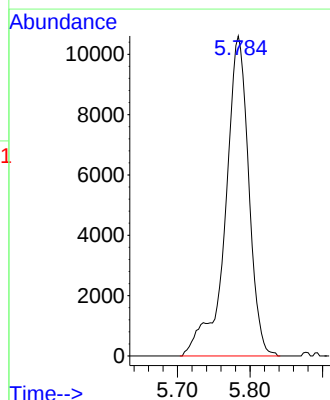
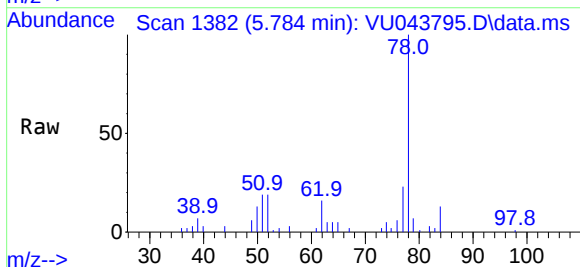
RT: 5.784 min Scan# 1382

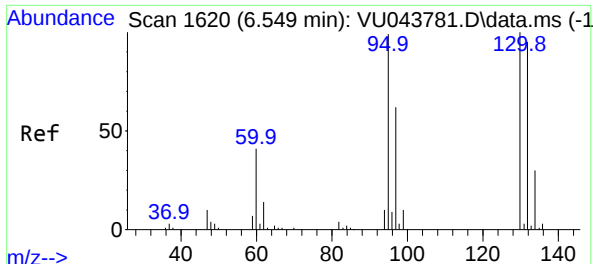
Delta R.T. -0.000 min

Lab File: VU043795.D

Acq: 17 May 2021 16:36

Tgt Ion: 78 Resp: 23760





#34

Trichloroethene

Concen: 0.42 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. 0.003 min

Lab File: VU043795.D

Acq: 17 May 2021 16:36

Tgt Ion: 95 Resp: 7231

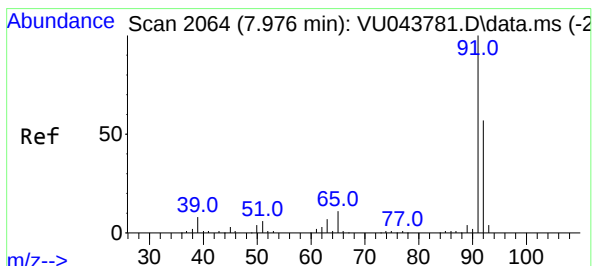
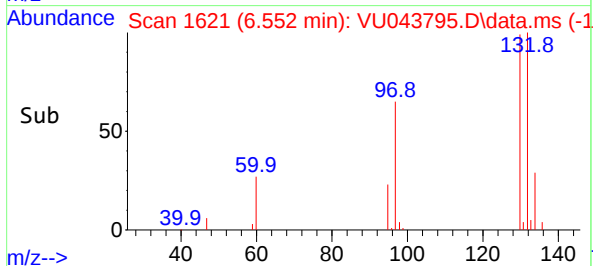
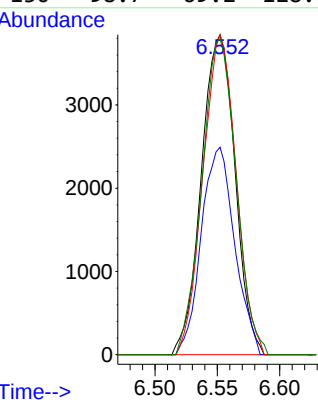
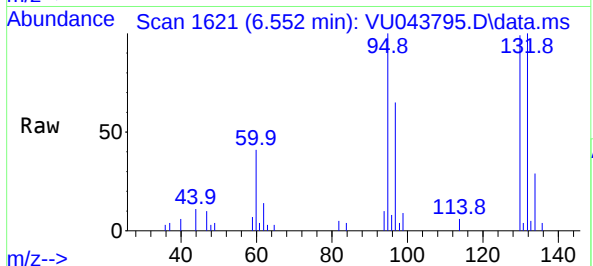
Ion Ratio Lower Upper

95 100

97 64.9 44.3 82.3

132 99.9 66.0 122.6

130 98.7 69.2 128.6



#42

Toluene

Concen: 0.06 ug/L

RT: 7.977 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU043795.D

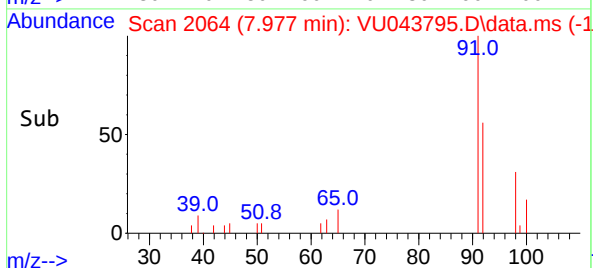
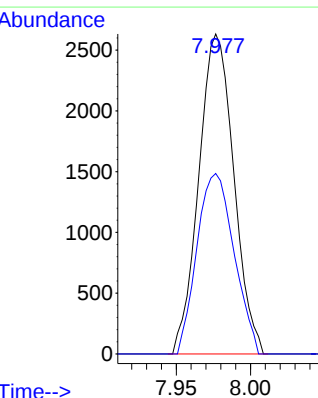
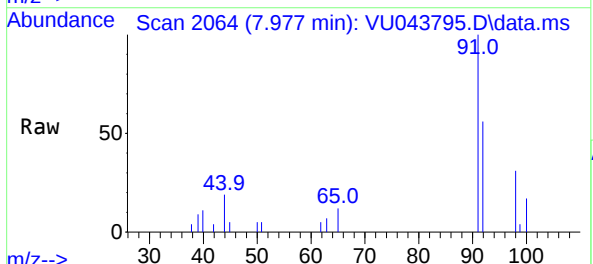
Acq: 17 May 2021 16:36

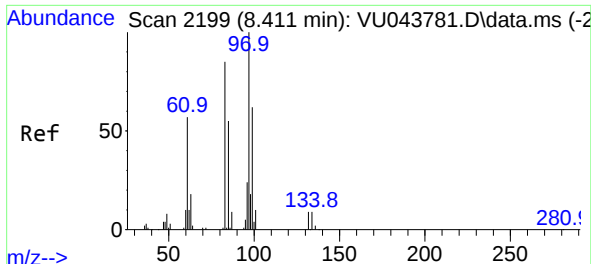
Tgt Ion: 91 Resp: 4323

Ion Ratio Lower Upper

91 100

92 56.4 40.3 74.8



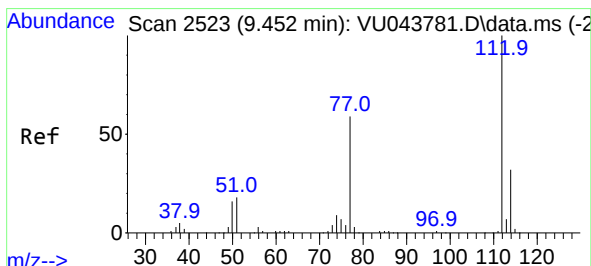
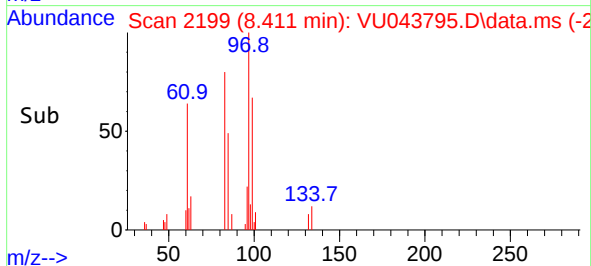
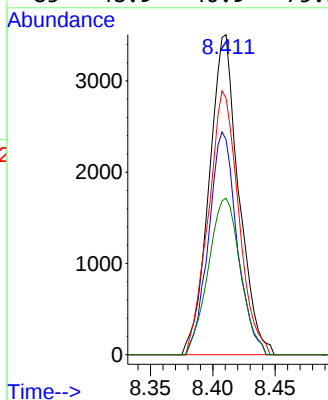
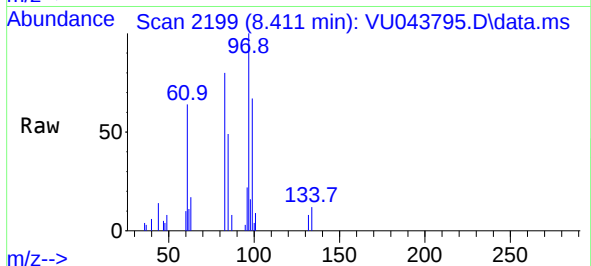


#45
1,1,2-Trichloroethane
Concen: 0.46 ug/L
RT: 8.411 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :
BG6M3

Tgt Ion: 97 Resp: 5814

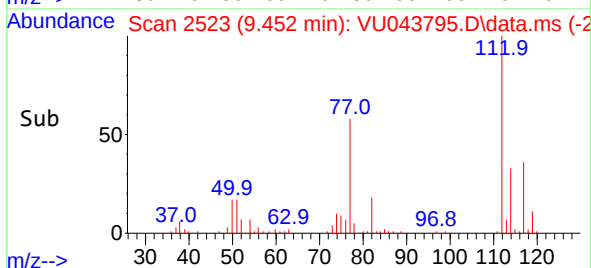
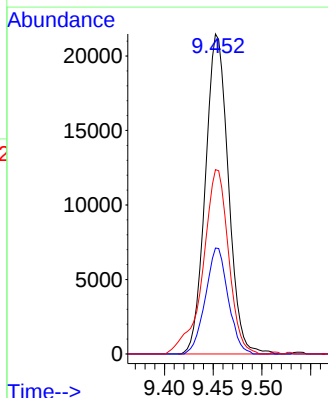
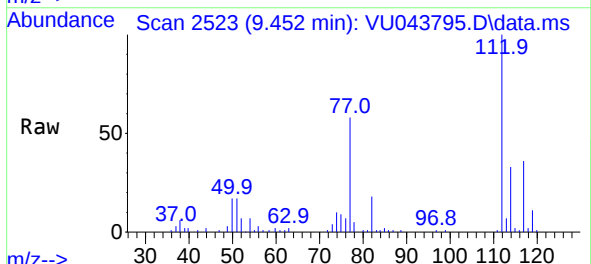
Ion	Ratio	Lower	Upper
97	100		
99	67.3	43.8	81.4
83	80.2	62.5	116.1
85	48.9	40.9	75.9

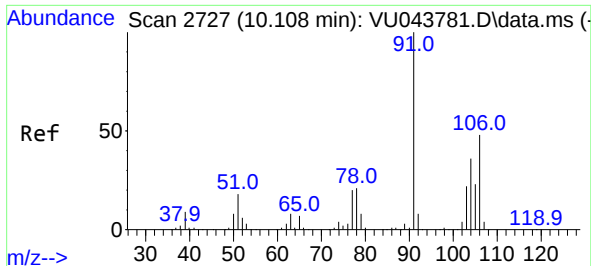


#51
Chlorobenzene
Concen: 0.80 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion: 112 Resp: 35262

Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.3	41.5
77	57.6	47.8	71.8

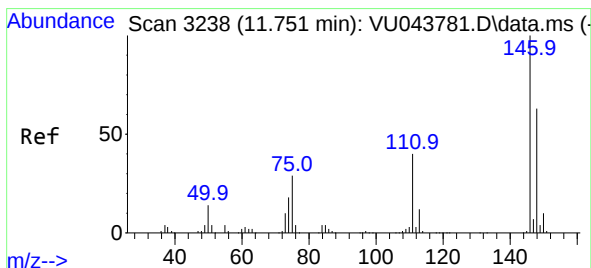
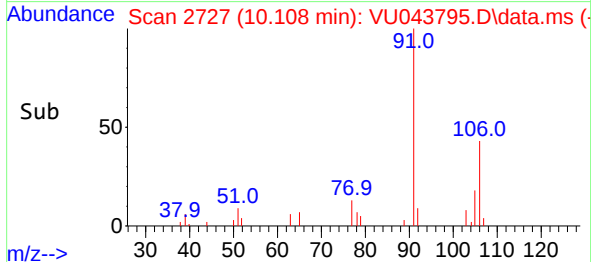
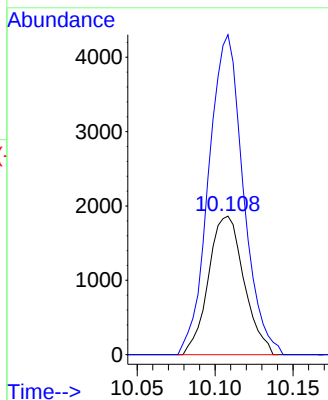
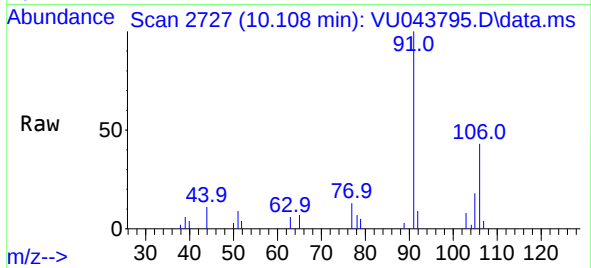




#54
o-Xylene
Concen: 0.11 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

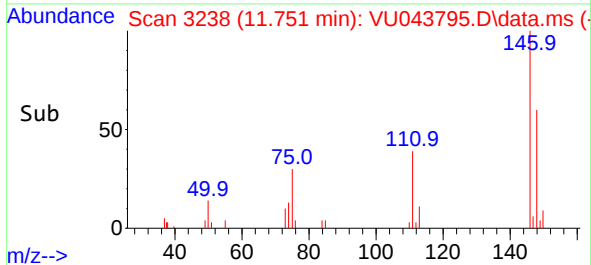
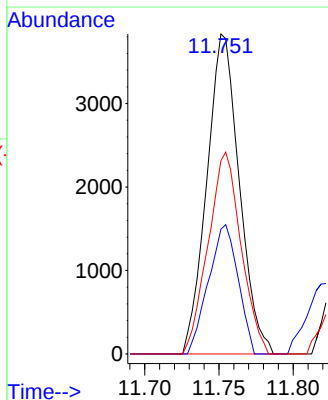
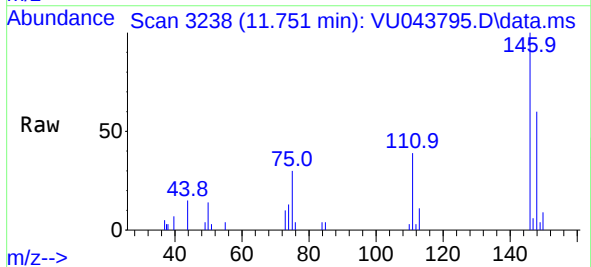
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

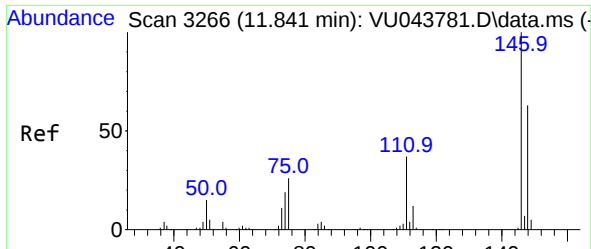
Tgt Ion:106 Resp: 2959
Ion Ratio Lower Upper
106 100
91 231.0 150.8 280.0



#64
1,3-Dichlorobenzene
Concen: 0.19 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

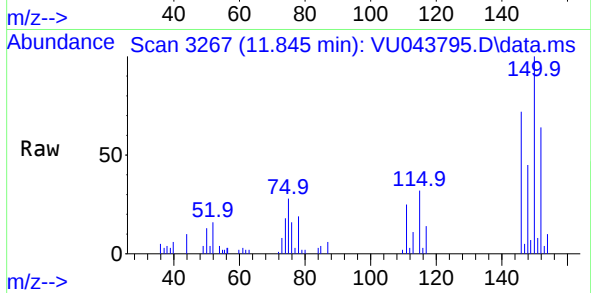
Tgt Ion:146 Resp: 5825
Ion Ratio Lower Upper
146 100
111 39.0 28.1 52.1
148 60.4 45.6 84.6



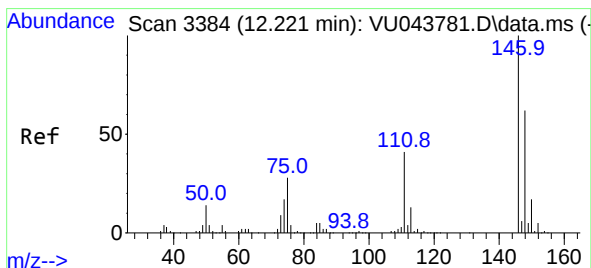
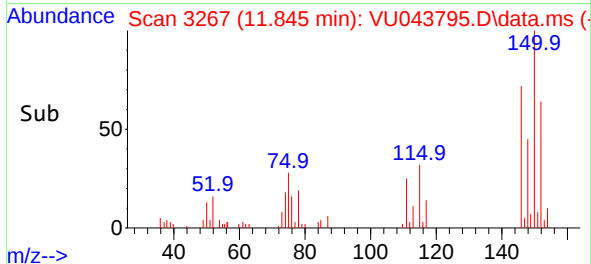
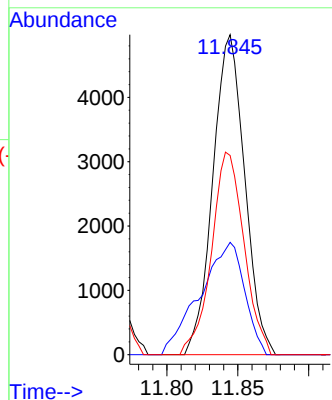


#65
1,4-Dichlorobenzene
Concen: 0.25 ug/L
RT: 11.845 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :
BG6M3

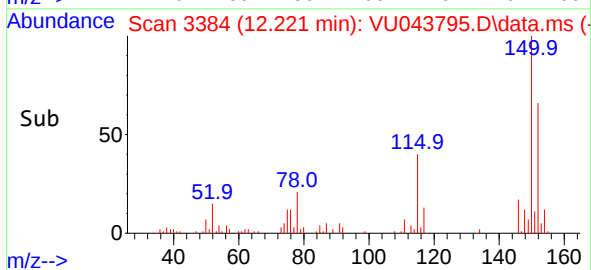
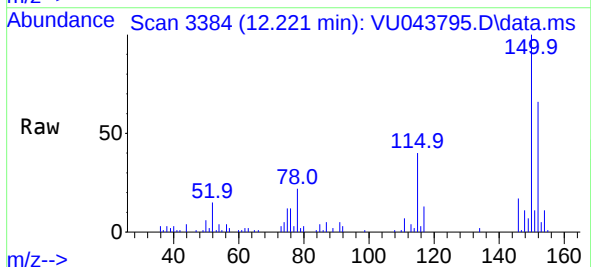
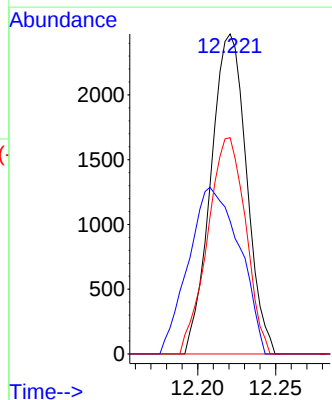


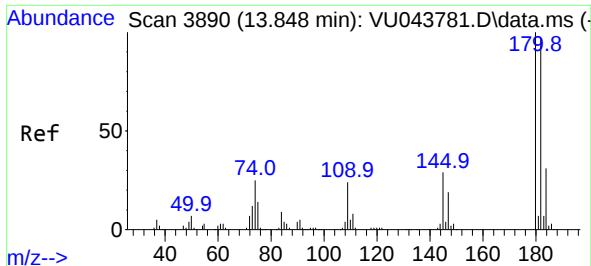
Tgt Ion:146 Resp: 7778
Ion Ratio Lower Upper
146 100
111 35.1 27.0 50.2
148 62.2 45.0 83.6



#67
1,2-Dichlorobenzene
Concen: 0.13 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion:146 Resp: 3936
Ion Ratio Lower Upper
146 100
111 41.5 33.6 50.4
148 67.6 50.2 75.2

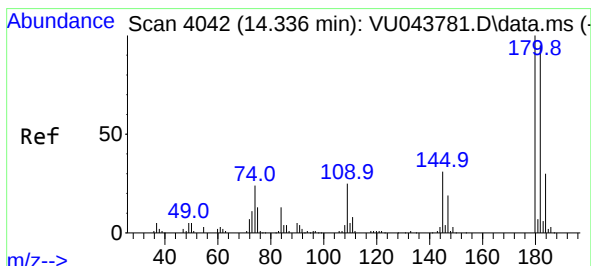
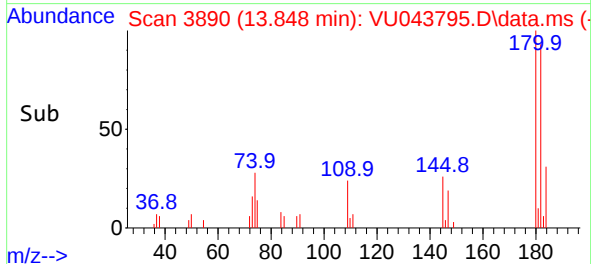
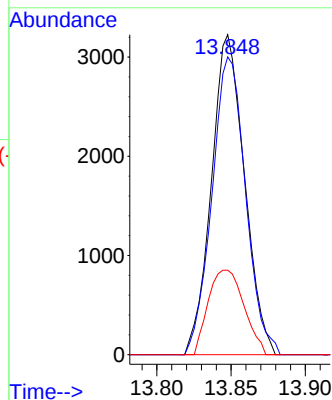
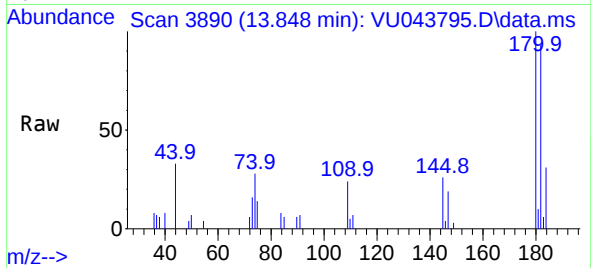




#70
1,2,4-trichlorobenzene
Concen: 0.25 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Instrument :
MSVOA_U
ClientSampled :
BG6M3

Tgt Ion:180 Resp: 4991
Ion Ratio Lower Upper
180 100
182 94.9 76.9 115.3
145 28.6 23.0 34.4



#72
1,2,3-Trichlorobenzene
Concen: 0.20 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. -0.000 min
Lab File: VU043795.D
Acq: 17 May 2021 16:36

Tgt Ion:180 Resp: 3854
Ion Ratio Lower Upper
180 100
182 101.8 77.0 115.4
145 31.0 24.6 36.8

