

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
 Data File : VU043794.D
 Acq On : 17 May 2021 16:12
 Operator : SY/MD
 Sample : M2380-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6M2

Quant Time: May 18 03:12:08 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	6.259	114	230513	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	227696	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	107535	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	77357	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.919	69	55963	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.571	65	34014	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.642	46	141507	43.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.58%
24) Chloroform-d	5.073	84	134364	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.713	65	68685	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.735	84	288528	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.700	67	90853	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.906	98	241360	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloroprop...	8.185	79	31515	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.642	63	144039	46.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.48%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	69988	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
66) 1,2-Dichlorobenzene-d4	12.201	152	92724	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%
Target Compounds						
3) Chloromethane	1.520	50	15957	0.81	ug/L	96
5) Vinyl chloride	1.607	62	105048	5.37	ug/L	98
14) Carbon disulfide	2.800	76	14812	0.29	ug/L	97
18) trans-1,2-Dichloroethene	3.362	96	4940	0.31	ug/L	97
19) 1,1-Dichloroethane	3.880	63	137455	4.76	ug/L	99
22) cis-1,2-Dichloroethene	4.677	96	119835	7.13	ug/L	98
25) Chloroform	5.099	83	23045	0.81	ug/L	95
27) 1,2-Dichloroethane	5.803	62	16920	0.96	ug/L	95
29) 1,1,1-Trichloroethane	5.327	97	11938	0.50	ug/L	98
30) Cyclohexane	5.394	56	4247	0.16	ug/L	94
33) Benzene	5.784	78	22527	0.34	ug/L	100
34) Trichloroethene	6.549	95	5430	0.32	ug/L	96
42) Toluene	7.976	91	5717	0.08	ug/L	91
45) 1,1,2-Trichloroethane	8.407	97	9032	0.73	ug/L	94
51) Chlorobenzene	9.455	112	42644	0.99	ug/L	100
54) o-Xylene	10.105	106	3262	0.13	ug/L	86
64) 1,3-Dichlorobenzene	11.751	146	4406	0.14	ug/L	95
65) 1,4-Dichlorobenzene	11.841	146	6811	0.22	ug/L	97
67) 1,2-Dichlorobenzene	12.217	146	5361	0.18	ug/L	94

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

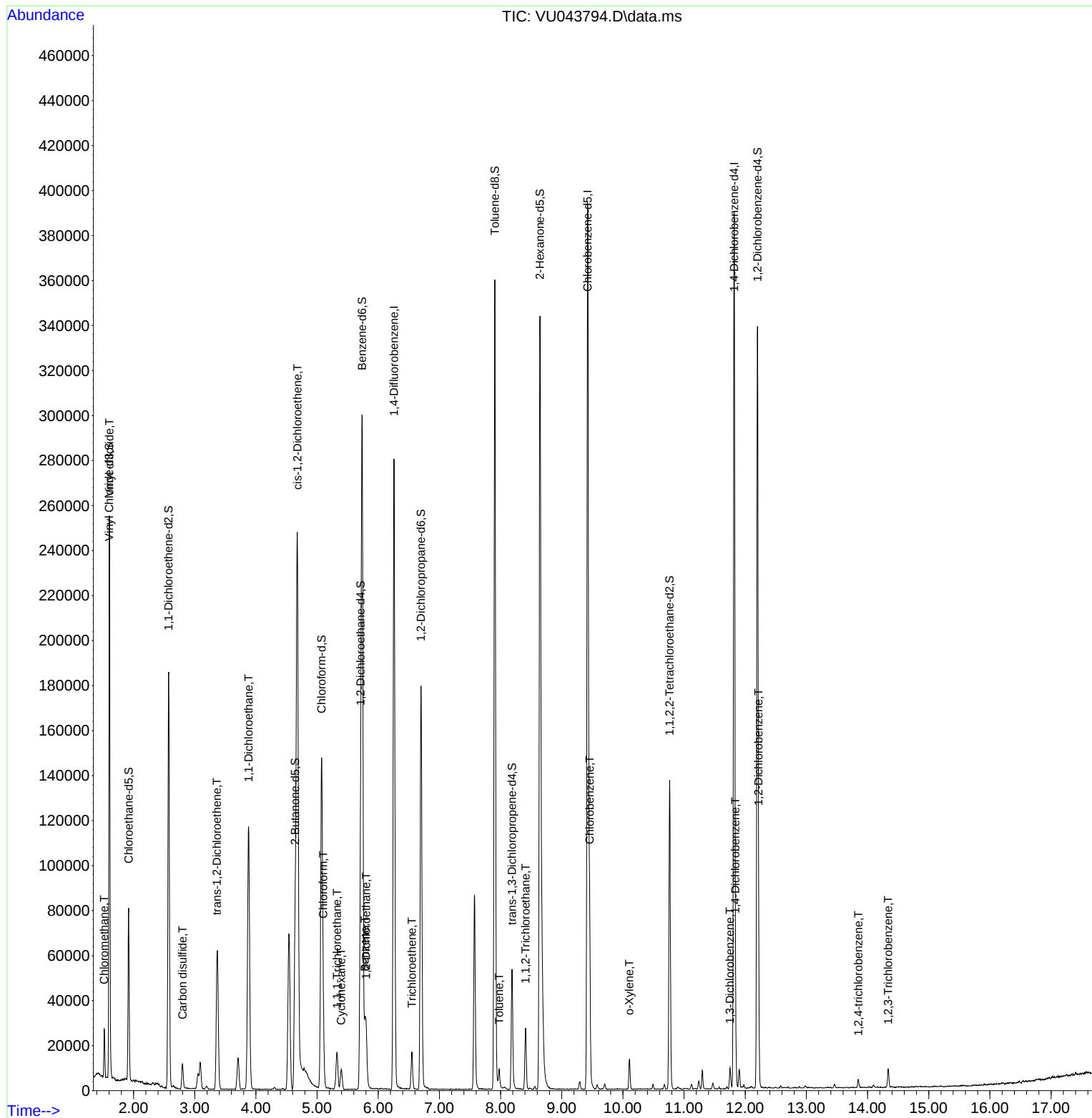
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.851	180	1567	0.08	ug/L	93
72) 1,2,3-Trichlorobenzene	14.336	180	3050	0.16	ug/L	90

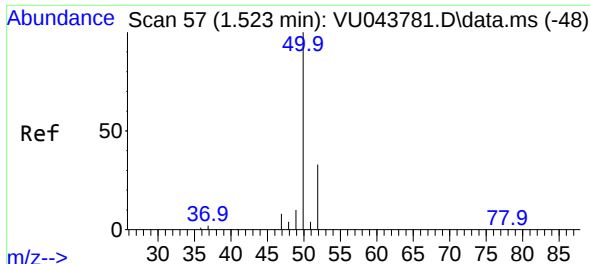
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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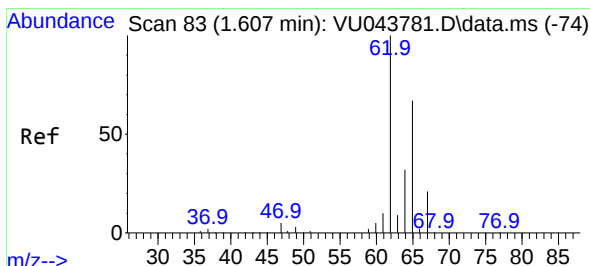
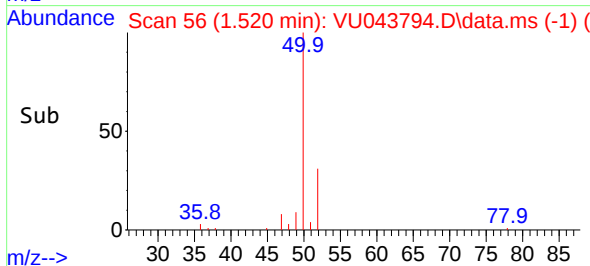
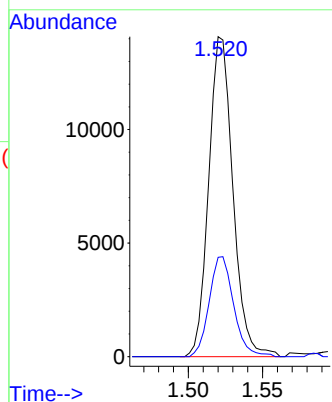
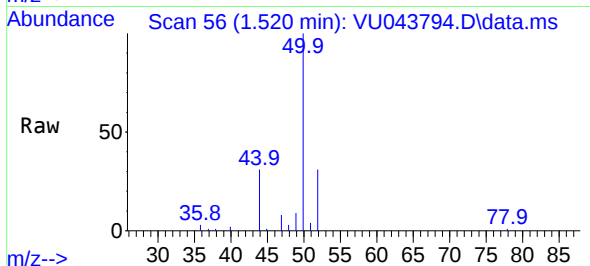




#3
Chloromethane
Concen: 0.81 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

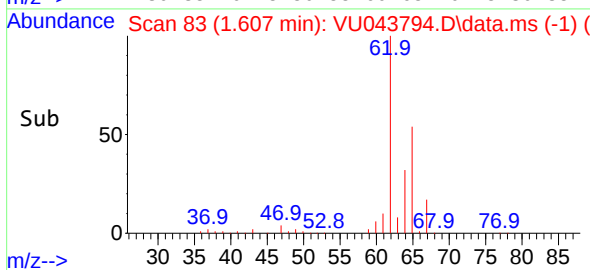
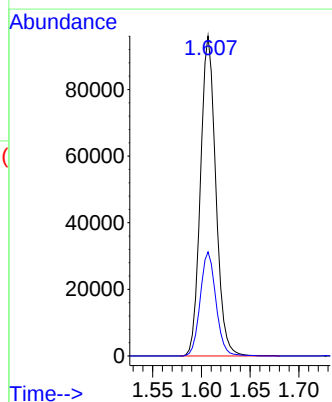
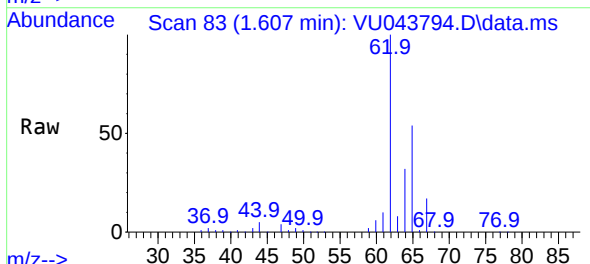
Instrument :
MSVOA_U
ClientSampled :
BG6M2

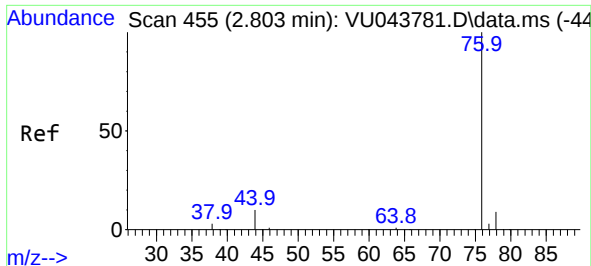
Tgt Ion: 50 Resp: 15957
Ion Ratio Lower Upper
50 100
52 31.1 23.2 43.2



#5
Vinyl chloride
Concen: 5.37 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion: 62 Resp: 105048
Ion Ratio Lower Upper
62 100
64 32.5 22.1 41.1

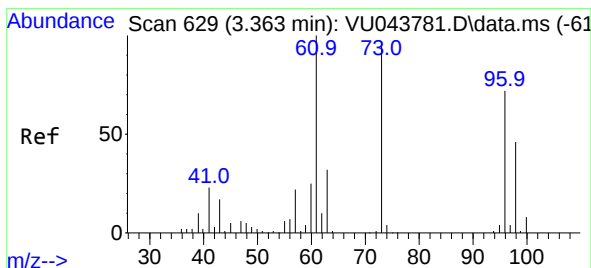
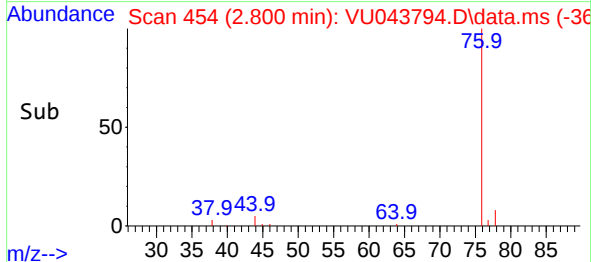
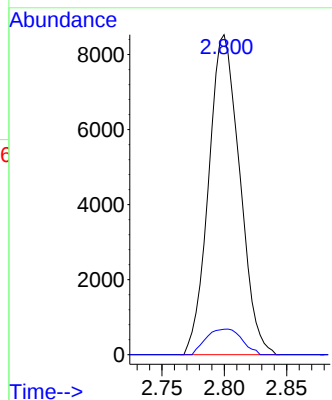
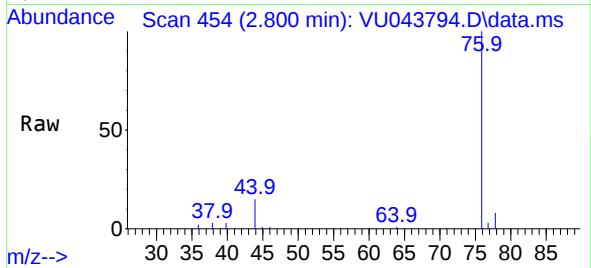




#14
Carbon disulfide
Concen: 0.29 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

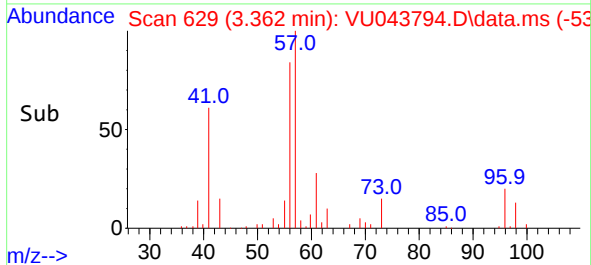
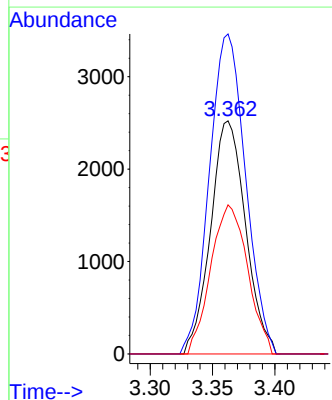
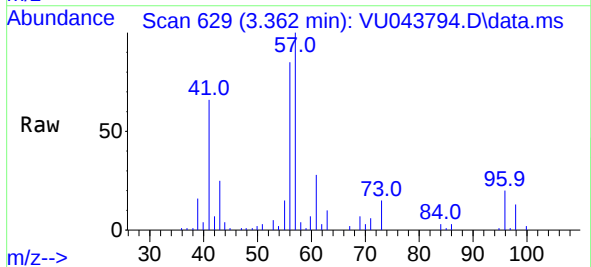
Instrument :
MSVOA_U
ClientSampled :
BG6M2

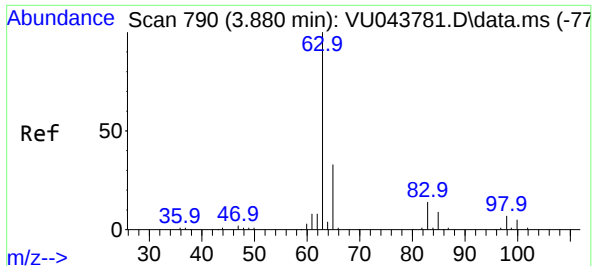
Tgt Ion: 76 Resp: 14812
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8



#18
trans-1,2-Dichloroethene
Concen: 0.31 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion: 96 Resp: 4940
Ion Ratio Lower Upper
96 100
61 137.3 99.6 185.0
98 64.0 43.8 81.4



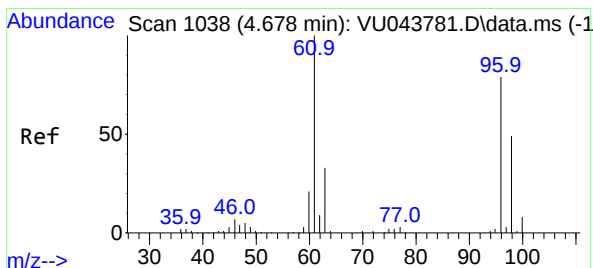
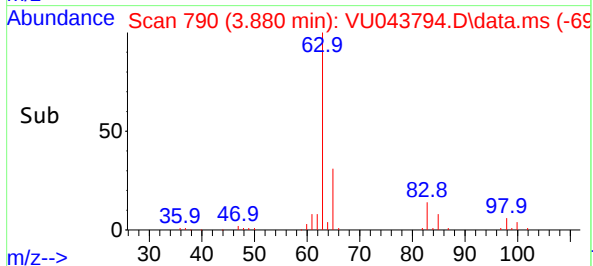
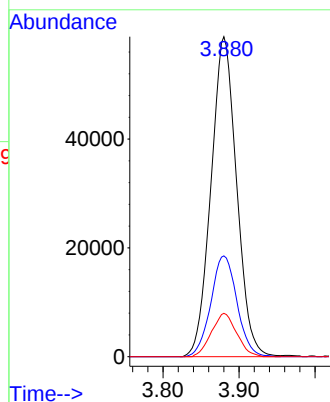
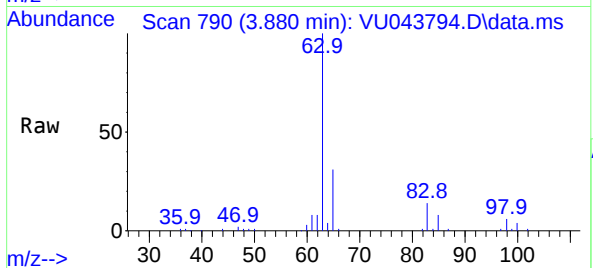


#19
1,1-Dichloroethane
Concen: 4.76 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Instrument :
MSVOA_U
ClientSampleId :
BG6M2

Tgt Ion: 63 Resp: 137455

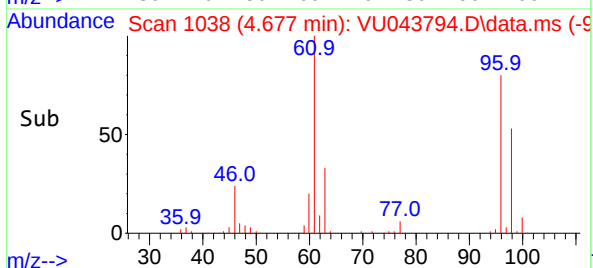
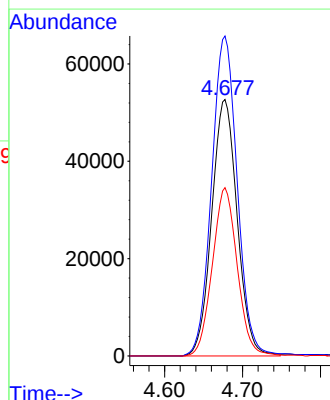
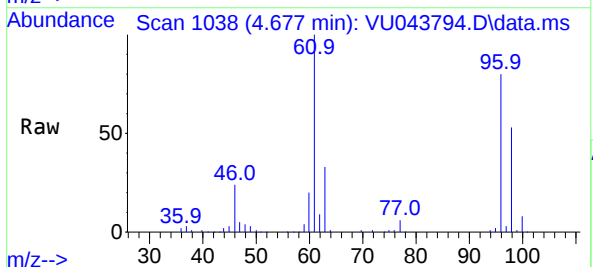
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.3
83	13.6	9.0	16.8

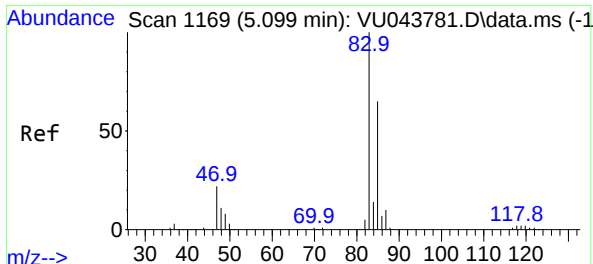


#22
cis-1,2-Dichloroethene
Concen: 7.13 ug/L
RT: 4.677 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion: 96 Resp: 119835

Ion	Ratio	Lower	Upper
96	100		
61	124.8	89.0	165.4
98	65.6	44.9	83.3



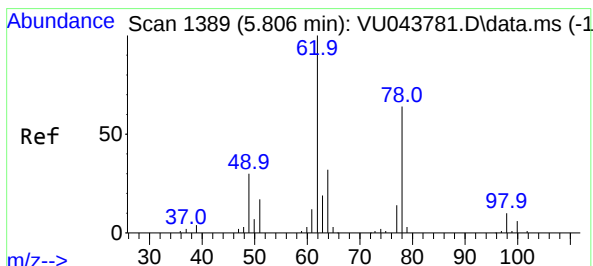
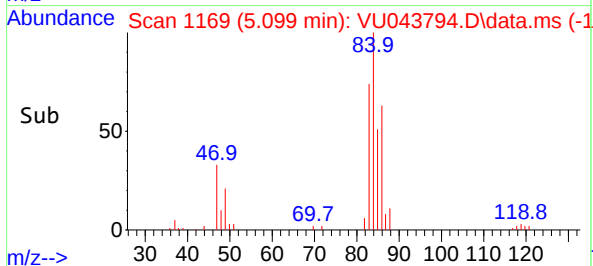
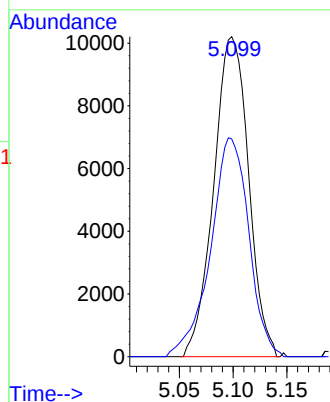
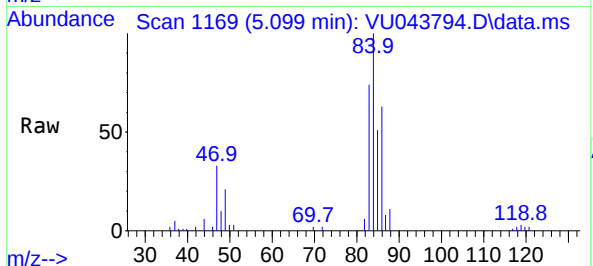


#25

Chloroform
Concen: 0.81 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Instrument :
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ClientSampleId :
BG6M2

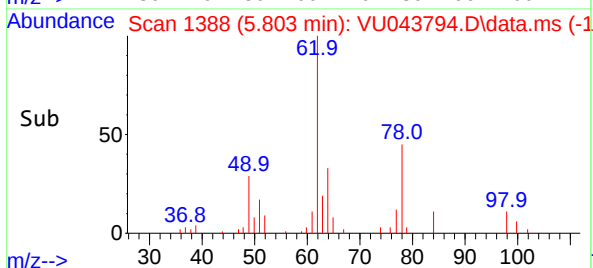
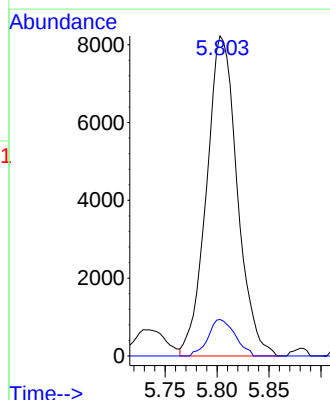
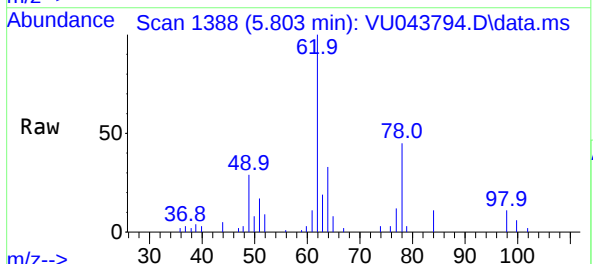
Tgt Ion: 83 Resp: 23045
Ion Ratio Lower Upper
83 100
85 68.1 45.0 83.6

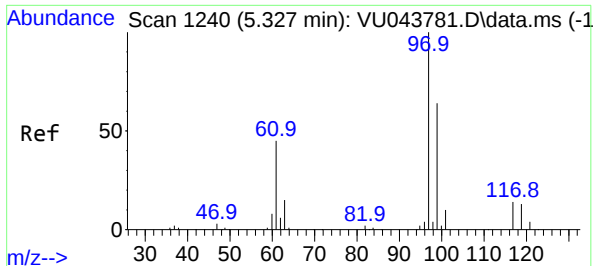


#27

1,2-Dichloroethane
Concen: 0.96 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion: 62 Resp: 16920
Ion Ratio Lower Upper
62 100
98 11.4 7.7 11.5



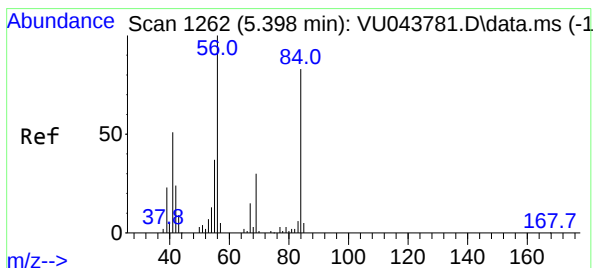
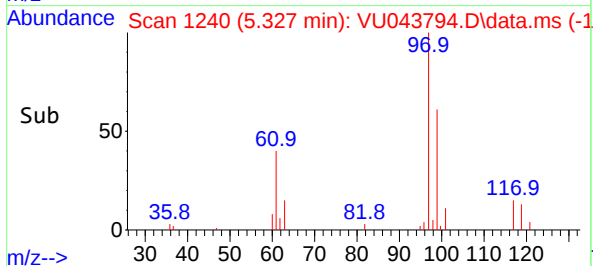
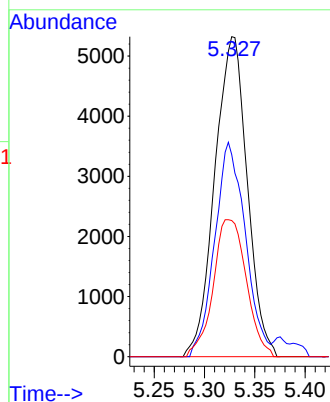
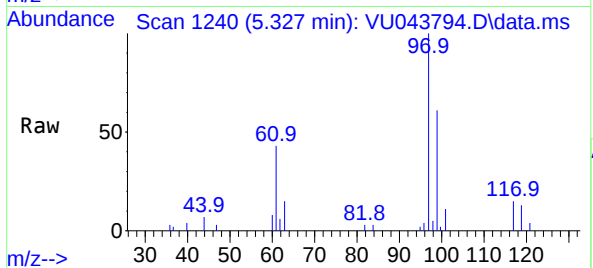


#29
1,1,1-Trichloroethane
Concen: 0.50 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Instrument :
MSVOA_U
ClientSampleId :
BG6M2

Tgt Ion: 97 Resp: 11938

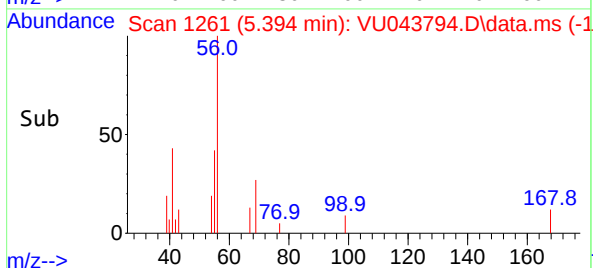
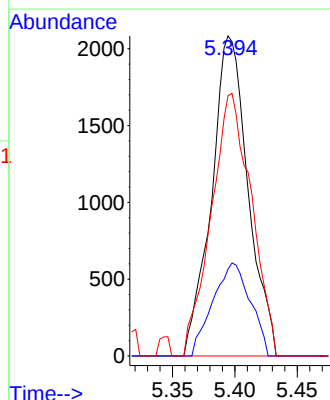
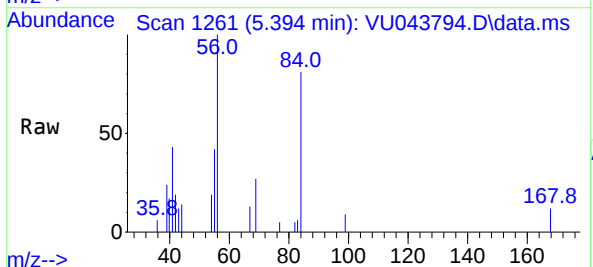
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.1	76.7
61	43.7	37.0	55.4

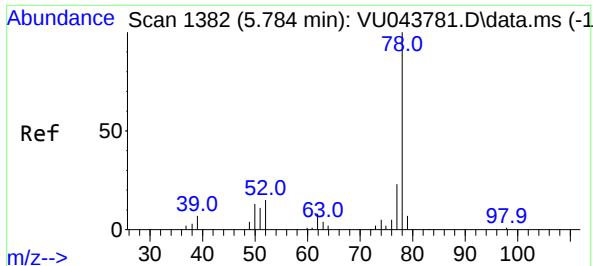


#30
Cyclohexane
Concen: 0.16 ug/L
RT: 5.394 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion: 56 Resp: 4247

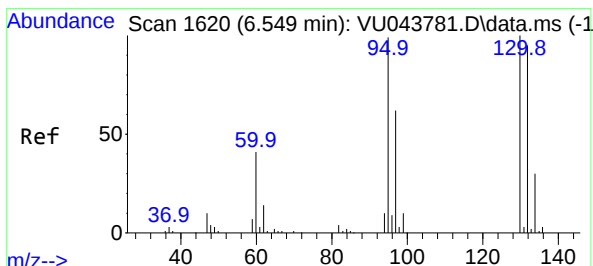
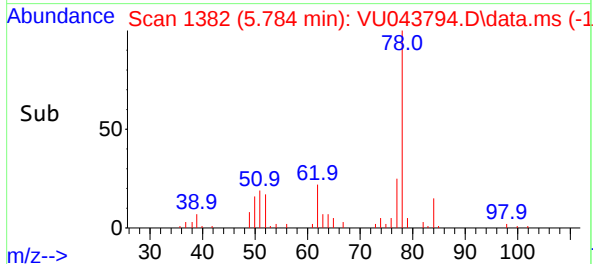
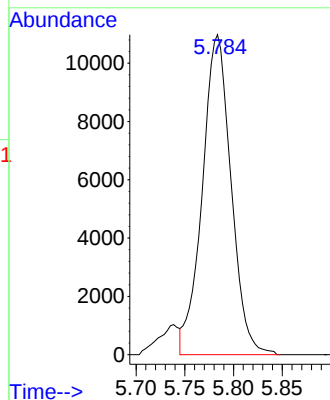
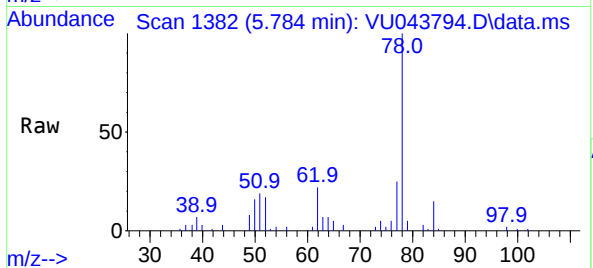
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.8	37.2
84	90.1	66.8	100.2



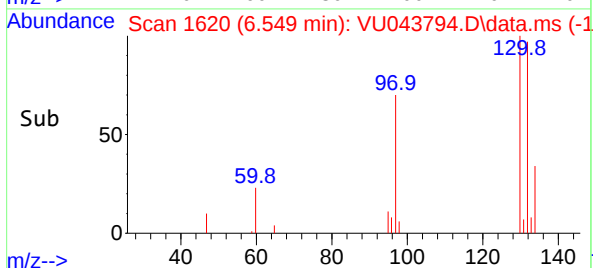
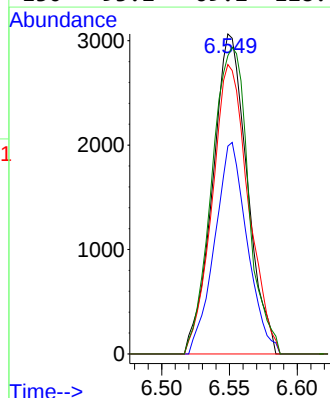
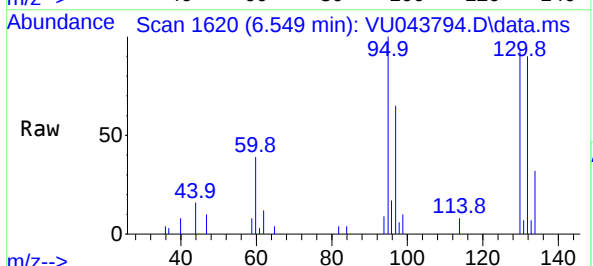


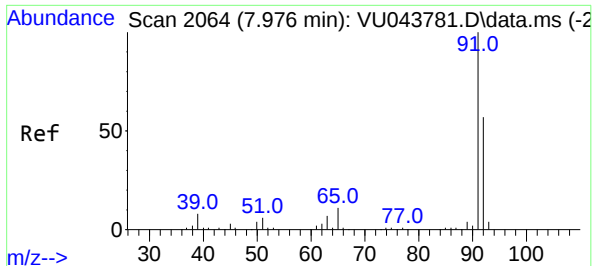
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Benzene
Concen: 0.34 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12
Tgt Ion: 78 Resp: 22527

Instrument :
MSVOA_U
ClientSampleId :
BG6M2



#34
Trichloroethene
Concen: 0.32 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12
Tgt Ion: 95 Resp: 5430

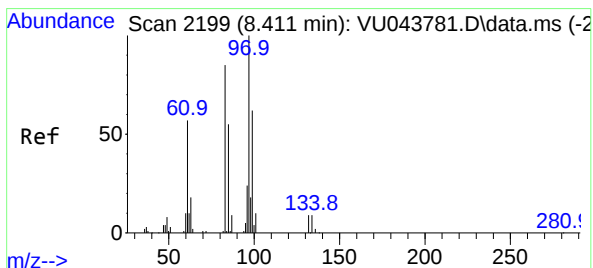
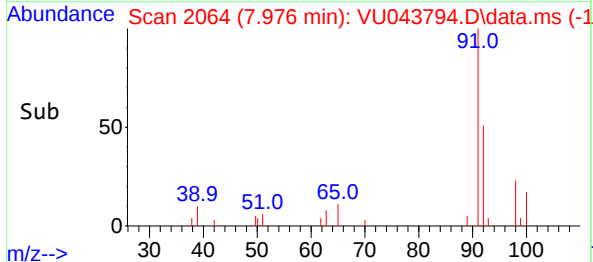
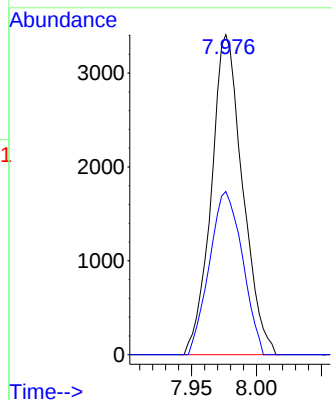
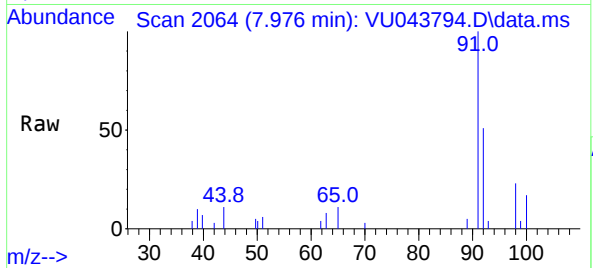




#42
Toluene
Concen: 0.08 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

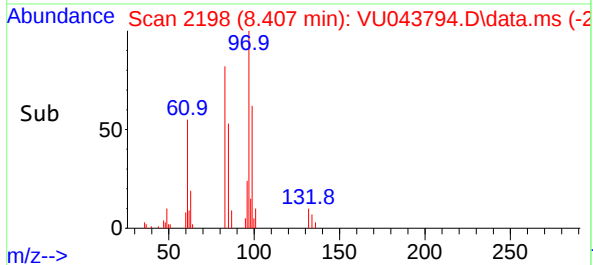
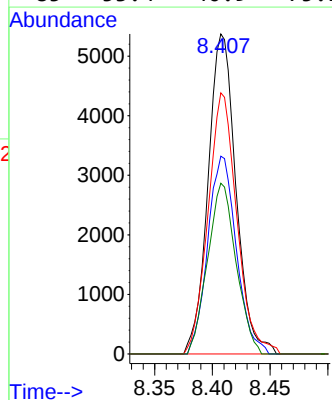
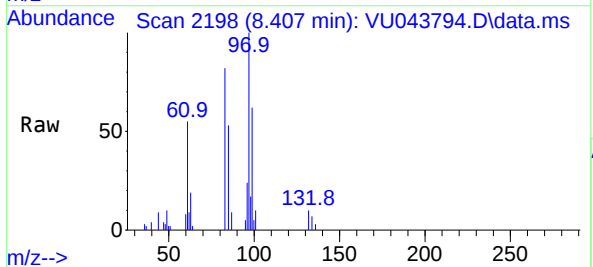
Instrument :
MSVOA_U
ClientSampled :
BG6M2

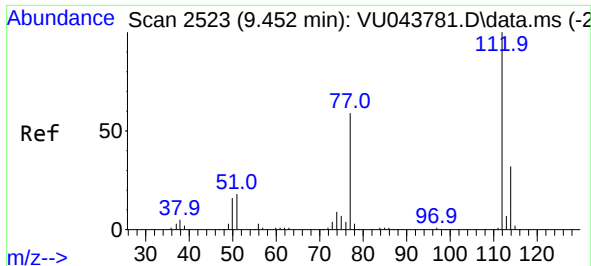
Tgt Ion: 91 Resp: 5717
Ion Ratio Lower Upper
91 100
92 51.0 40.3 74.8



#45
1,1,2-Trichloroethane
Concen: 0.73 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion: 97 Resp: 9032
Ion Ratio Lower Upper
97 100
99 61.8 43.8 81.4
83 81.6 62.5 116.1
85 53.4 40.9 75.9

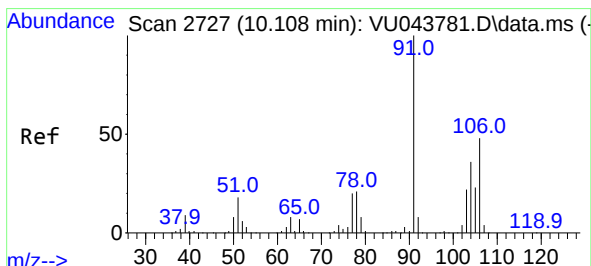
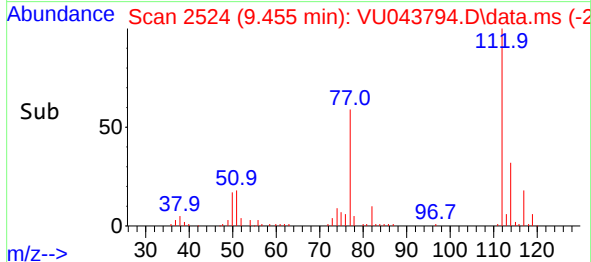
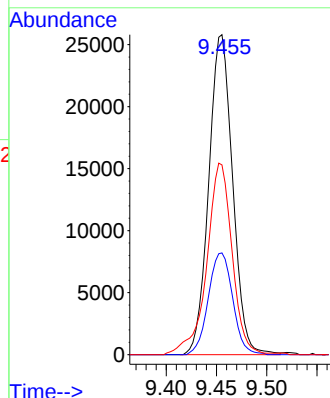
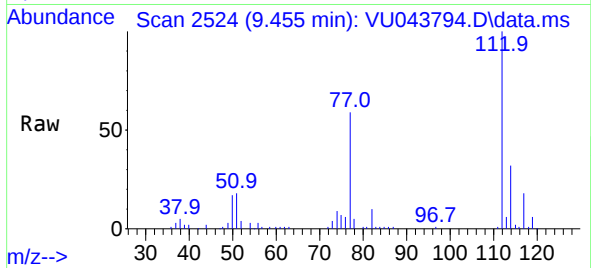




#51
Chlorobenzene
Concen: 0.99 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. 0.003 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

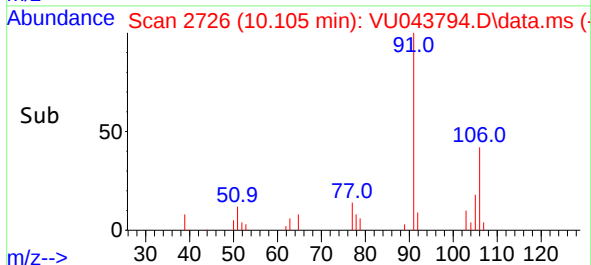
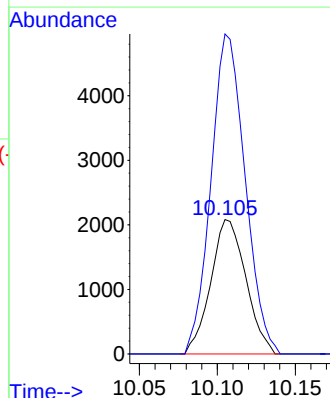
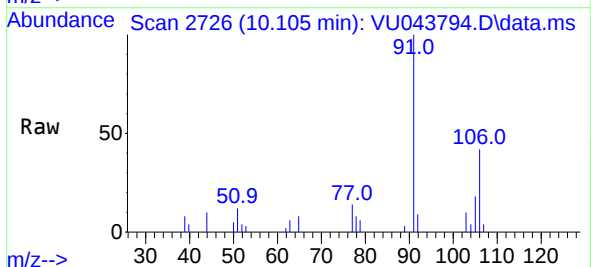
Instrument :
MSVOA_U
ClientSampleId :
BG6M2

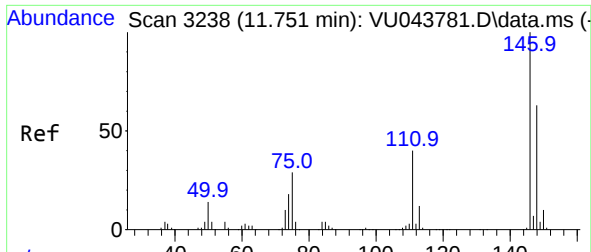
Tgt Ion:112 Resp: 42644
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 59.3 47.8 71.8



#54
o-Xylene
Concen: 0.13 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion:106 Resp: 3262
Ion Ratio Lower Upper
106 100
91 238.1 150.8 280.0

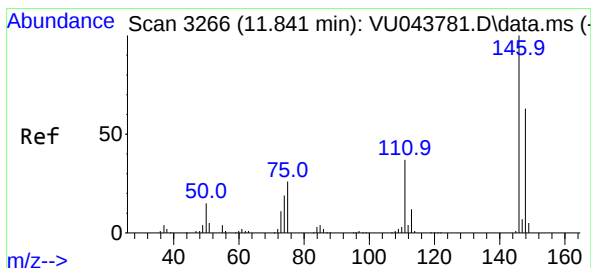
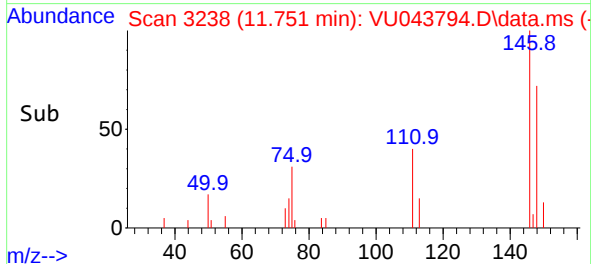
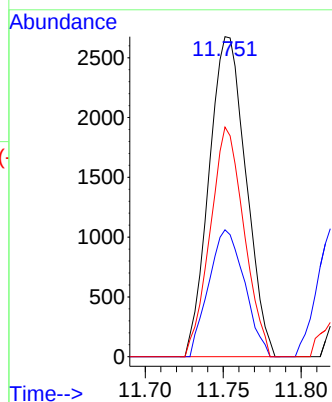
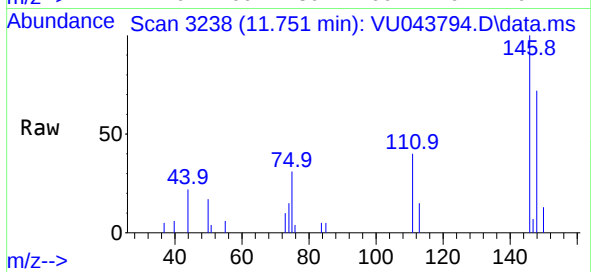




#64
1,3-Dichlorobenzene
Concen: 0.14 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

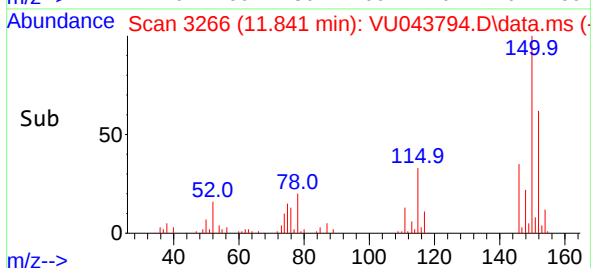
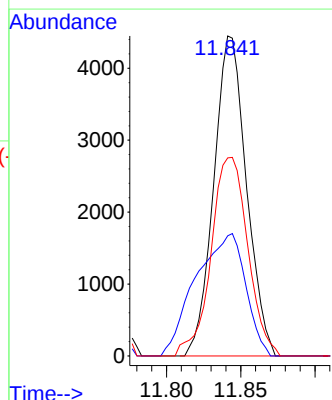
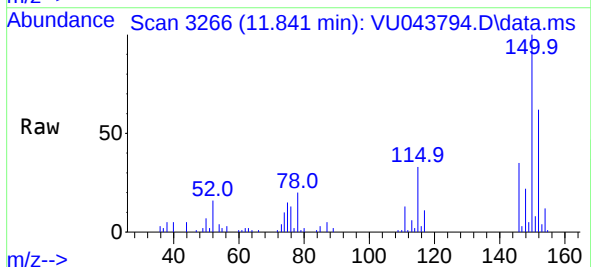
Instrument :
MSVOA_U
ClientSampled :
BG6M2

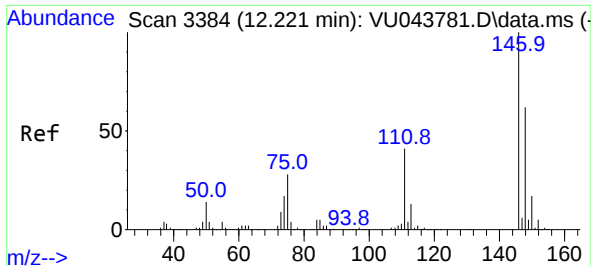
Tgt Ion:146 Resp: 4406
Ion Ratio Lower Upper
146 100
111 39.6 28.1 52.1
148 71.7 45.6 84.6



#65
1,4-Dichlorobenzene
Concen: 0.22 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion:146 Resp: 6811
Ion Ratio Lower Upper
146 100
111 37.6 27.0 50.2
148 61.9 45.0 83.6



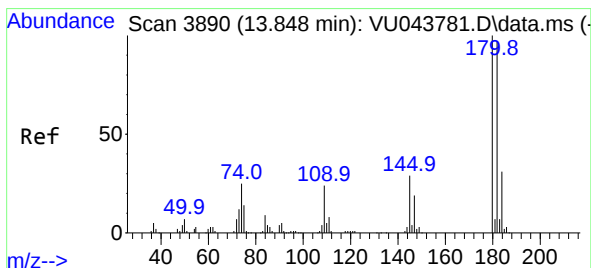
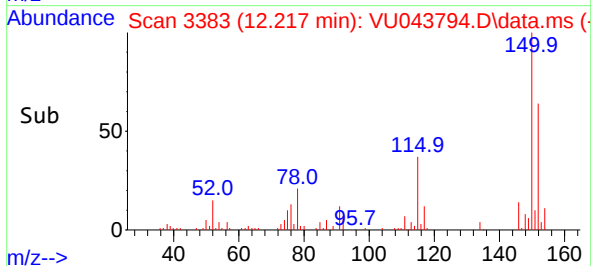
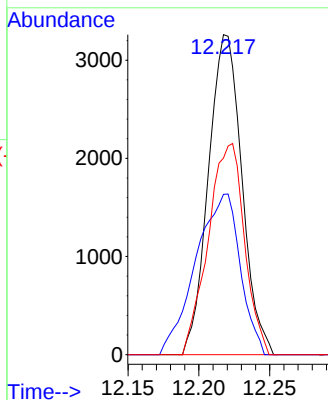
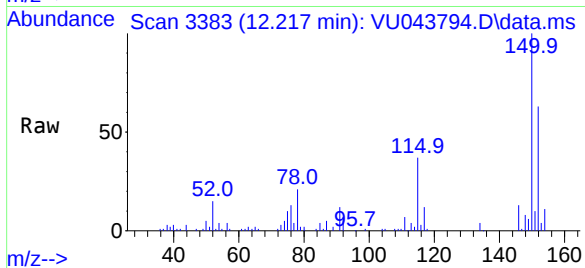


#67
1,2-Dichlorobenzene
Concen: 0.18 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Instrument :
MSVOA_U
ClientSampled :
BG6M2

Tgt Ion:146 Resp: 5361

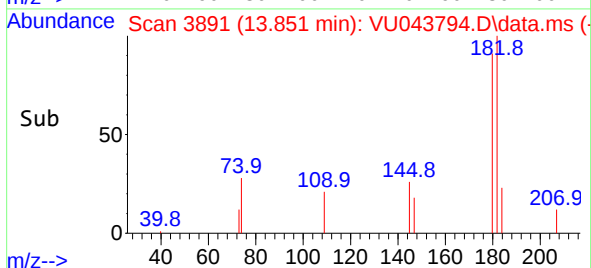
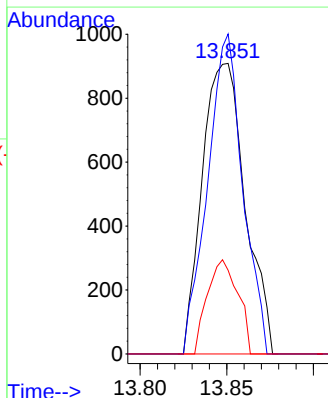
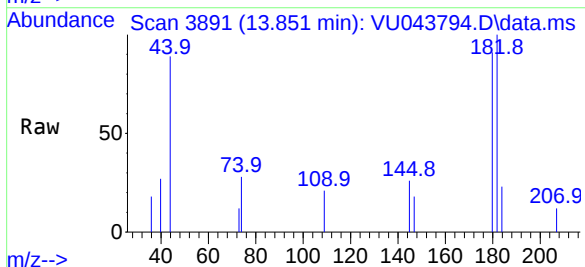
Ion	Ratio	Lower	Upper
146	100		
111	50.1	33.6	50.4
148	61.5	50.2	75.2

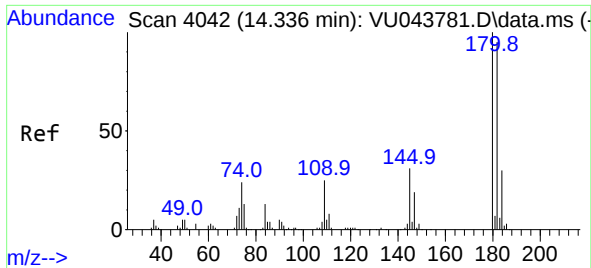


#70
1,2,4-trichlorobenzene
Concen: 0.08 ug/L
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Tgt Ion:180 Resp: 1567

Ion	Ratio	Lower	Upper
180	100		
182	90.1	76.9	115.3
145	23.1	23.0	34.4





#72
1,2,3-Trichlorobenzene
Concen: 0.16 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. -0.000 min
Lab File: VU043794.D
Acq: 17 May 2021 16:12

Instrument :
MSVOA_U
ClientSampleId :
BG6M2

Tgt Ion:	180	Resp:	3050
Ion	Ratio	Lower	Upper
180	100		
182	107.6	77.0	115.4
145	33.7	24.6	36.8

