

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051521\
 Data File : VU043775.D
 Acq On : 14 May 2021 23:28
 Operator : SY/MD
 Sample : M2380-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:20:55 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	220118	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	219945	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	101051	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	83855	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.919	69	60397	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.571	65	34075	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.652	46	212436	68.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.68%#
24) Chloroform-d	5.073	84	142843	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.713	65	71782	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.735	84	292694	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.700	67	91467	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.906	98	241911	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloroprop...	8.189	79	30966	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.645	63	152749	51.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.64%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	72312	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
66) 1,2-Dichlorobenzene-d4	12.201	152	90985	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%
Target Compounds						
5) Vinyl chloride	1.607	62	32414	1.74	ug/L	97
12) 1,1-Dichloroethene	2.588	96	7390	0.51	ug/L #	1
18) trans-1,2-Dichloroethene	3.359	96	2107	0.14	ug/L	84
19) 1,1-Dichloroethane	3.880	63	25822	0.94	ug/L	97
22) cis-1,2-Dichloroethene	4.678	96	176521	11.01	ug/L	99
25) Chloroform	5.099	83	119214	4.37	ug/L	99
29) 1,1,1-Trichloroethane	5.327	97	51435	2.24	ug/L	99
30) Cyclohexane	5.395	56	4197	0.16	ug/L	88
31) Carbon tetrachloride	5.327	117	6770	0.35	ug/L	99
34) Trichloroethene	6.549	95	6568	0.40	ug/L	95
35) Methylcyclohexane	6.700	83	20872	0.82	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	9061	0.54	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1940	0.09	ug/L #	64
51) Chlorobenzene	9.452	112	17329	0.42	ug/L	95
61) 1,2,3-Trichloropropane	11.751	75	1507	0.16	ug/L #	41
64) 1,3-Dichlorobenzene	11.751	146	5197	0.18	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	4095	0.14	ug/L	87
67) 1,2-Dichlorobenzene	12.221	146	2030	0.07	ug/L	96
69) 1,3,5-Trichlorobenzene	13.848	180	9044	0.40	ug/L	95

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

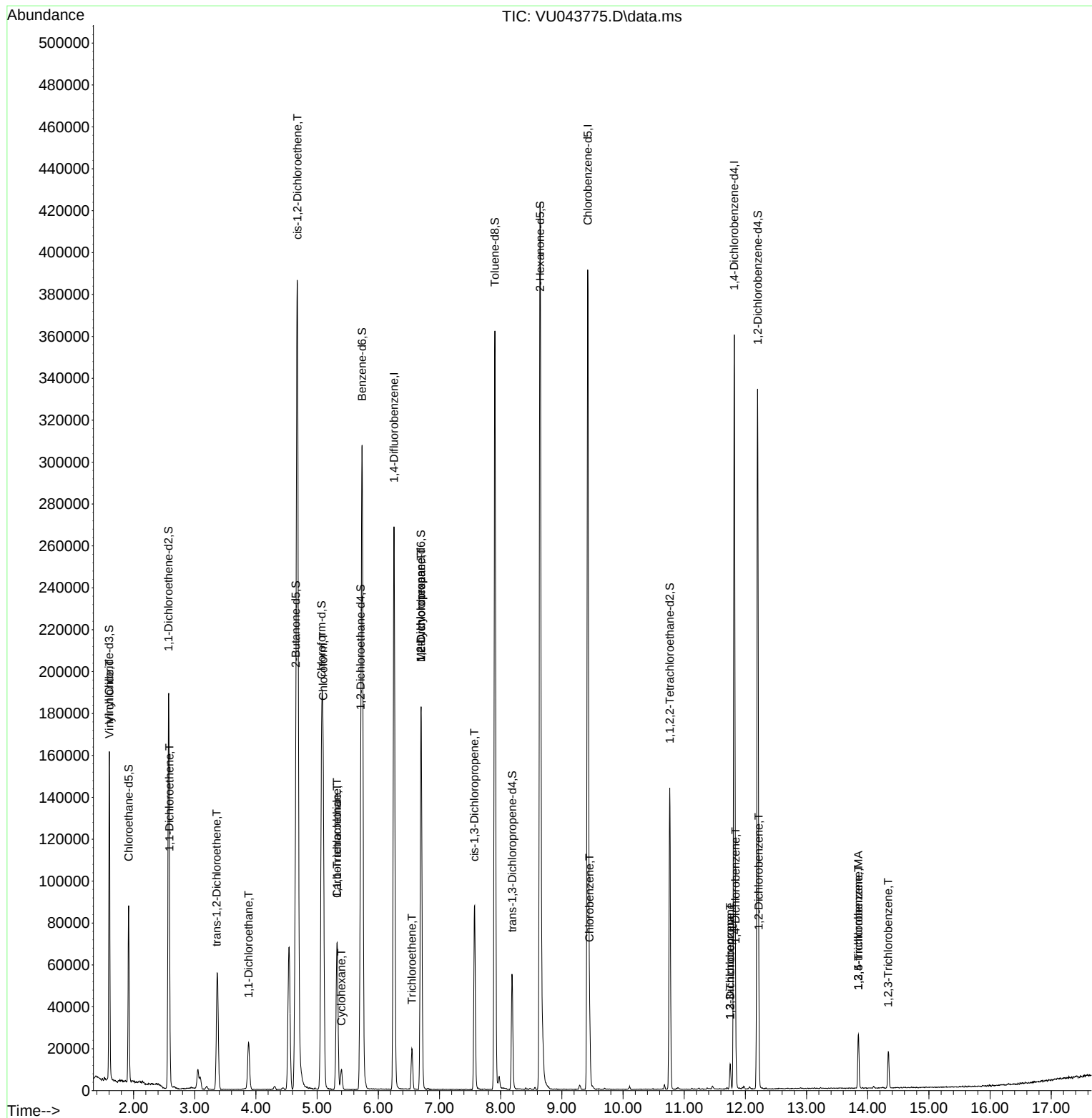
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.848	180	9044	0.48	ug/L	96
72) 1,2,3-Trichlorobenzene	14.336	180	6308	0.35	ug/L	97

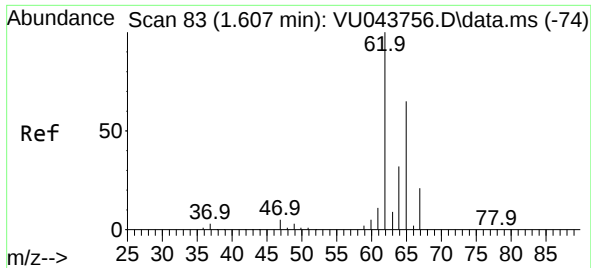
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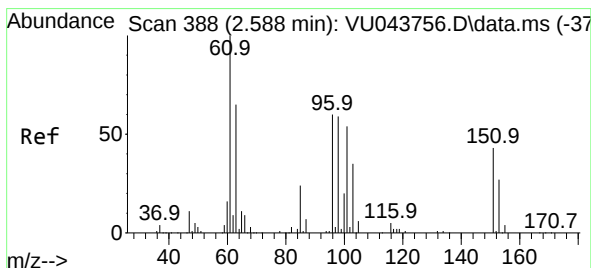
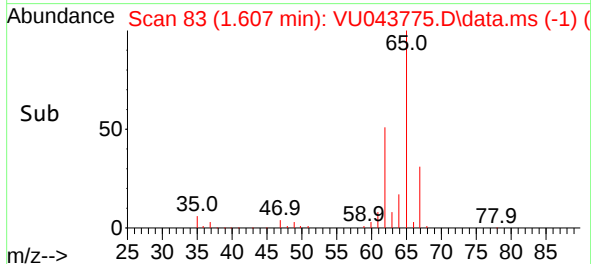
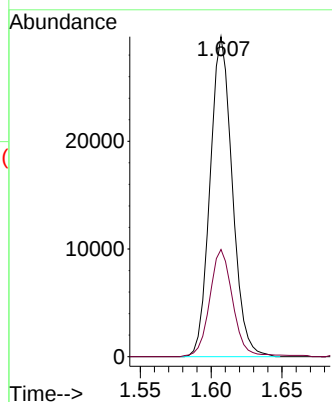
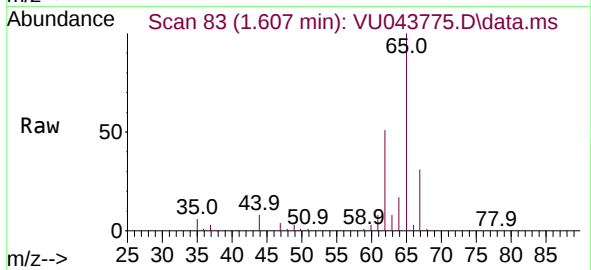




#5
 Vinyl chloride
 Concen: 1.74 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043775.D
 Acq: 14 May 2021 23:28

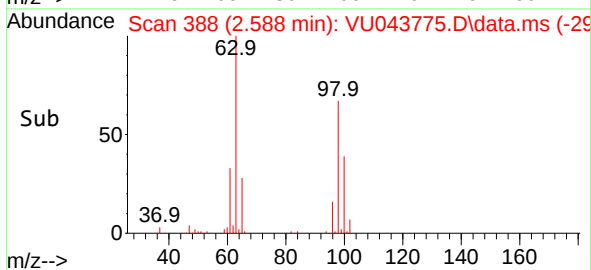
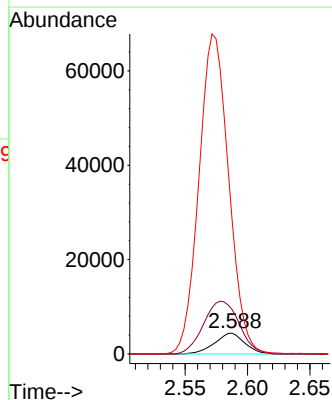
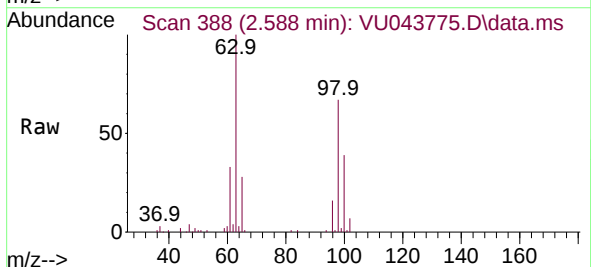
Instrument :
 MSVOA_U
 ClientSampled :

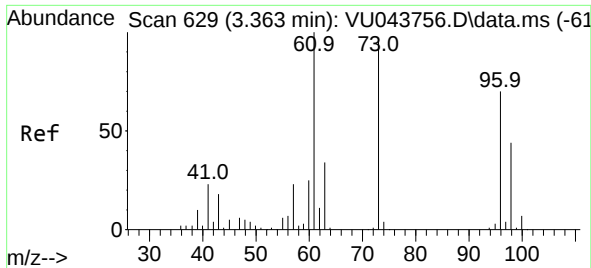
Tgt Ion: 62 Resp: 32414
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.1 41.1



#12
 1,1-Dichloroethene
 Concen: 0.51 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU043775.D
 Acq: 14 May 2021 23:28

Tgt Ion: 96 Resp: 7390
 Ion Ratio Lower Upper
 96 100
 61 212.7 117.5 218.1
 63 645.0 77.3 143.7#

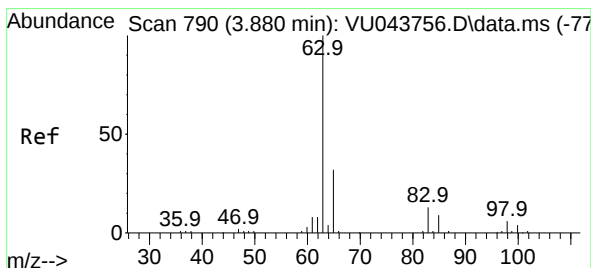
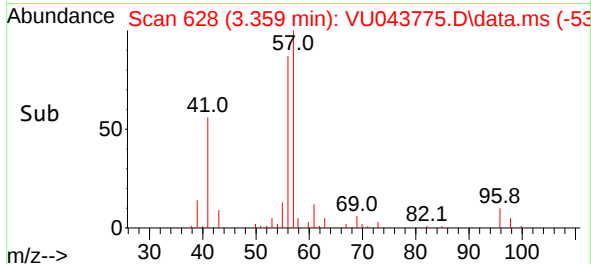
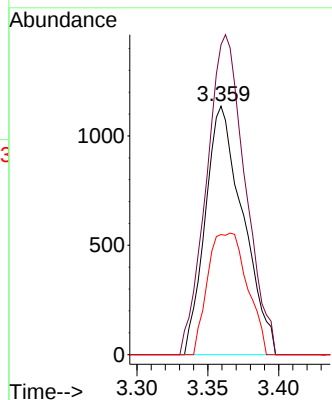
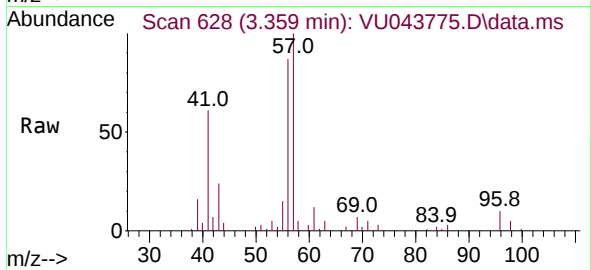




#18
trans-1,2-Dichloroethene
Concen: 0.14 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

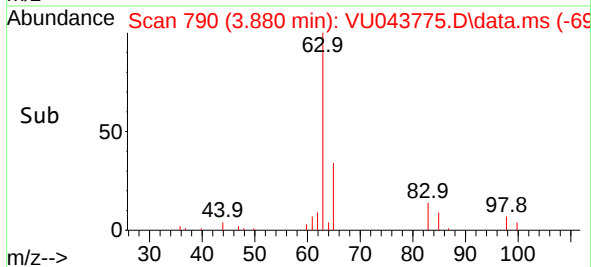
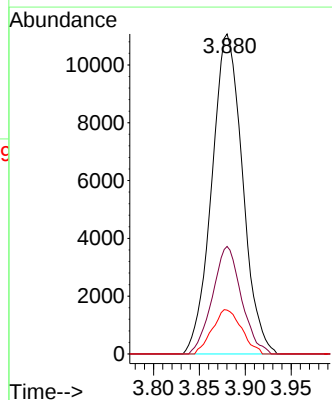
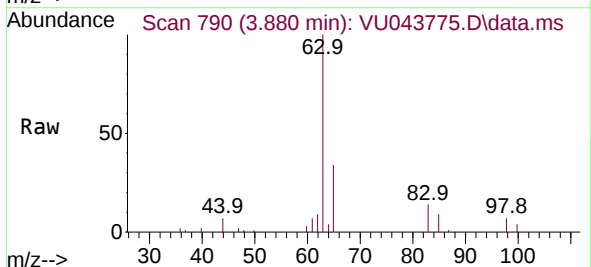
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ClientSampleId :

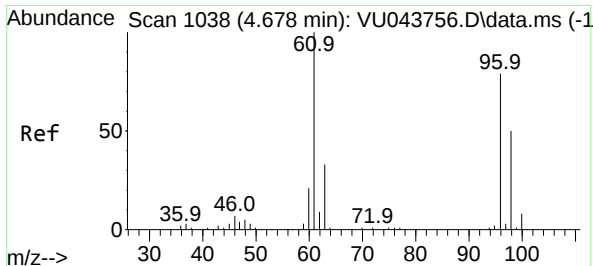
Tgt Ion: 96 Resp: 2107
Ion Ratio Lower Upper
96 100
61 124.7 99.6 185.0
98 48.3 43.8 81.4



#19
1,1-Dichloroethane
Concen: 0.94 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion: 63 Resp: 25822
Ion Ratio Lower Upper
63 100
65 33.6 22.3 41.3
83 13.7 9.0 16.8



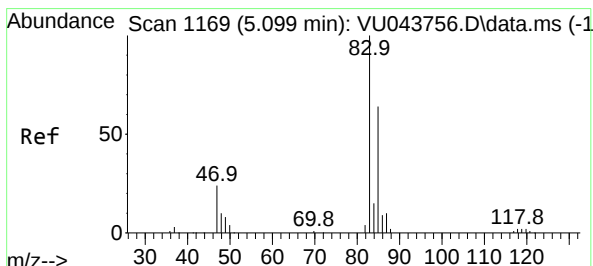
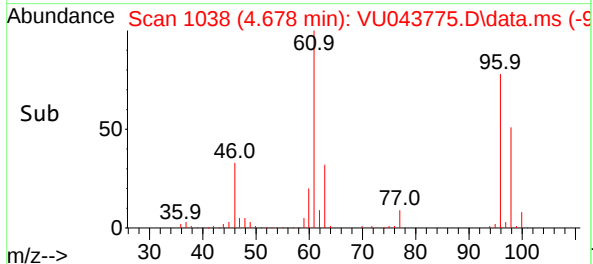
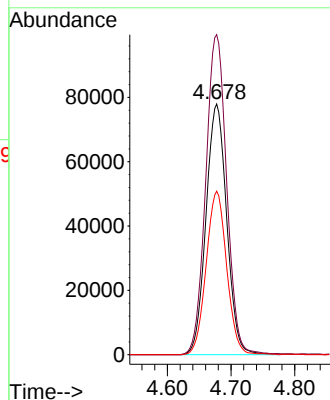
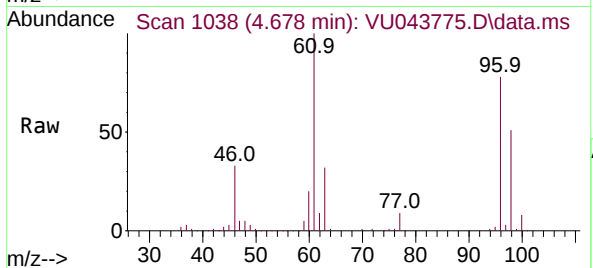


#22

cis-1,2-Dichloroethene
Concen: 11.01 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Instrument :
MSVOA_U
ClientSampleId :

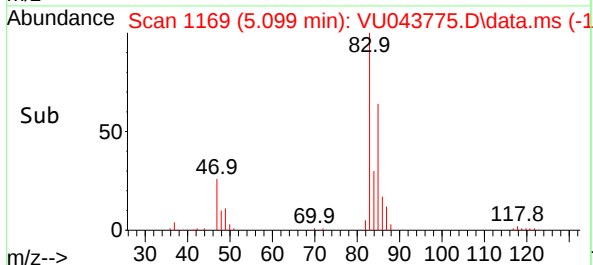
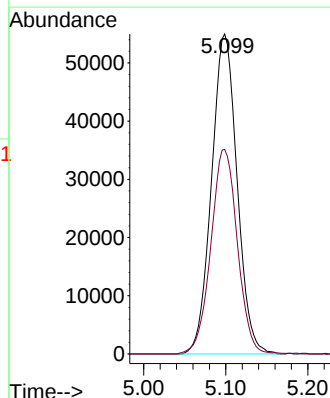
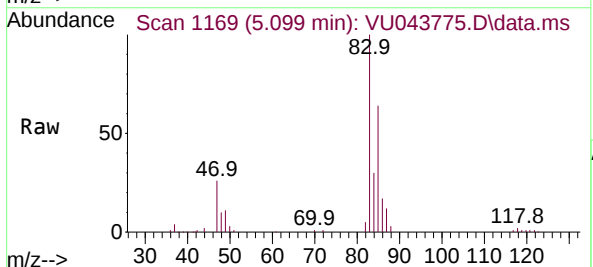
Tgt Ion: 96 Resp: 176521
Ion Ratio Lower Upper
96 100
61 127.6 89.0 165.4
98 65.2 44.9 83.3

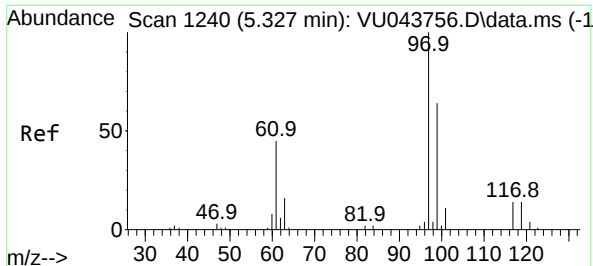


#25

Chloroform
Concen: 4.37 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion: 83 Resp: 119214
Ion Ratio Lower Upper
83 100
85 63.9 45.0 83.6

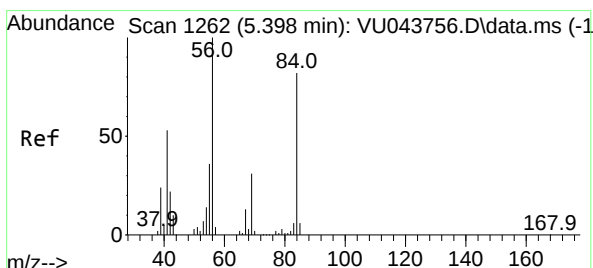
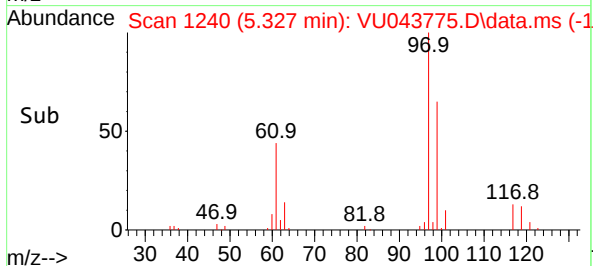
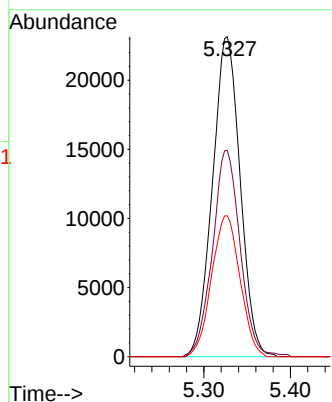
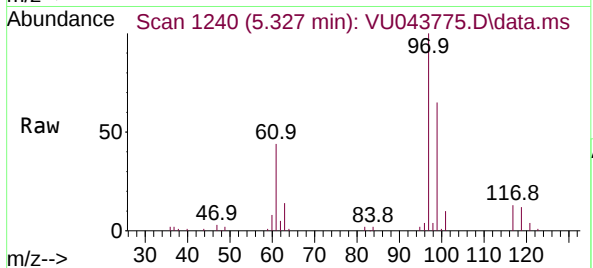




#29
1,1,1-Trichloroethane
Concen: 2.24 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

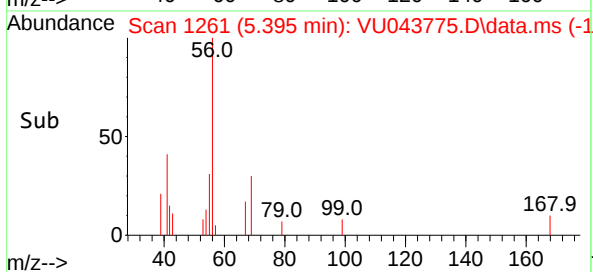
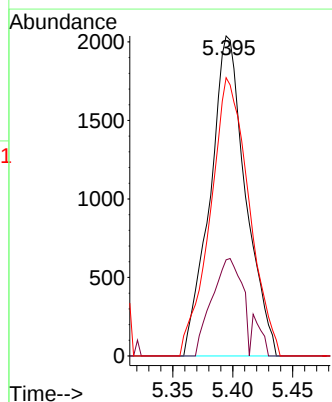
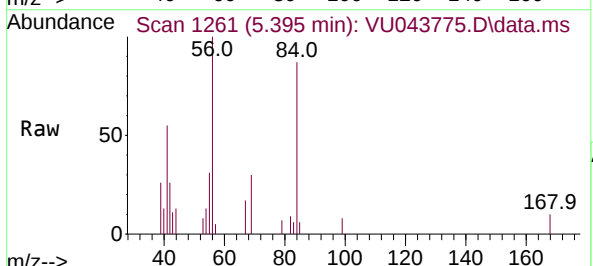
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MSVOA_U
ClientSampleId :

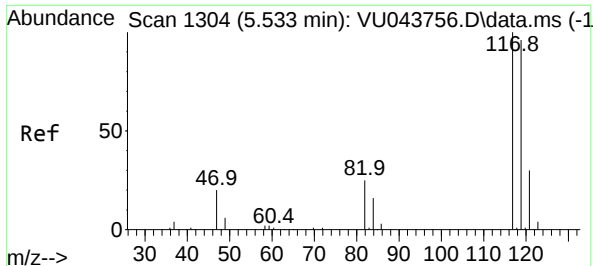
Tgt Ion: 97	Resp: 51435
Ion Ratio	Lower Upper
97 100	
99 64.5	51.1 76.7
61 45.3	37.0 55.4



#30
Cyclohexane
Concen: 0.16 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion: 56	Resp: 4197
Ion Ratio	Lower Upper
56 100	
69 25.7	24.8 37.2
84 94.5	66.8 100.2

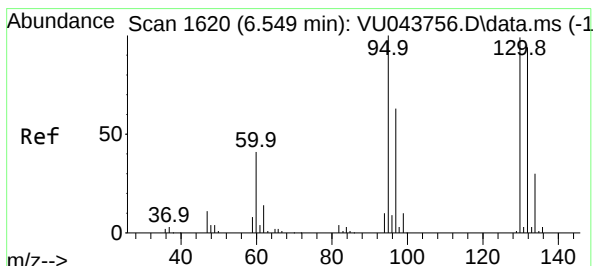
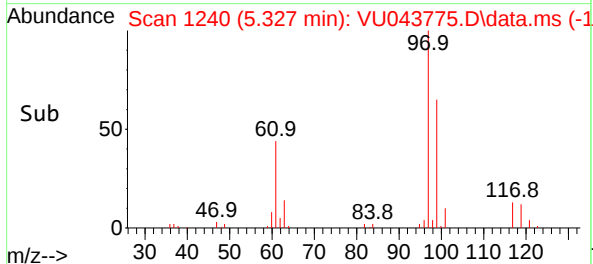
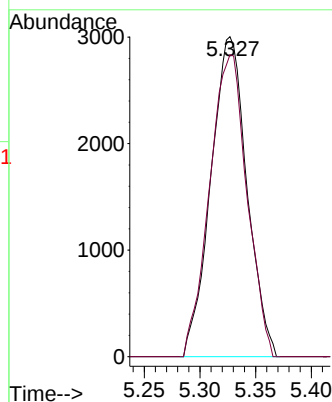
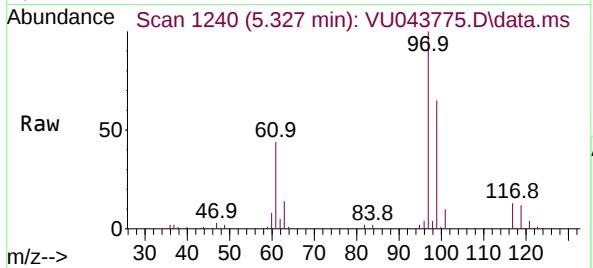




#31
Carbon tetrachloride
Concen: 0.35 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.206 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

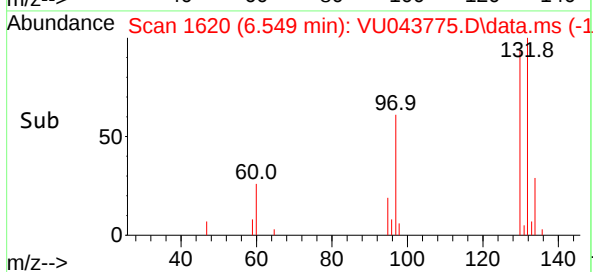
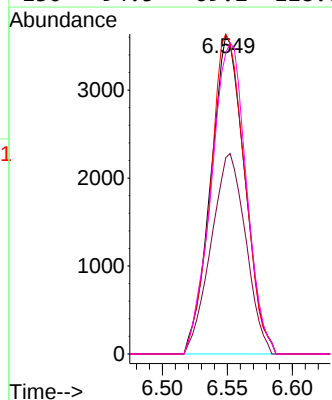
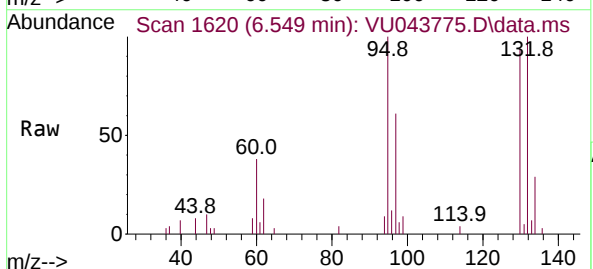
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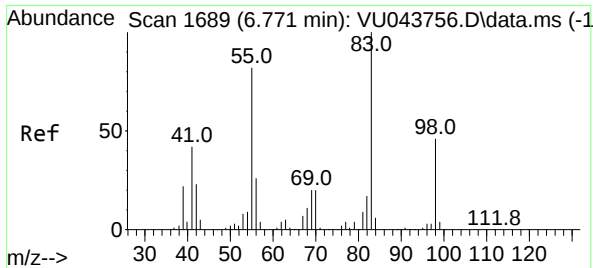
Tgt Ion:117 Resp: 6770
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0



#34
Trichloroethene
Concen: 0.40 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion: 95 Resp: 6568
Ion Ratio Lower Upper
95 100
97 61.6 44.3 82.3
132 100.4 66.0 122.6
130 94.5 69.2 128.6

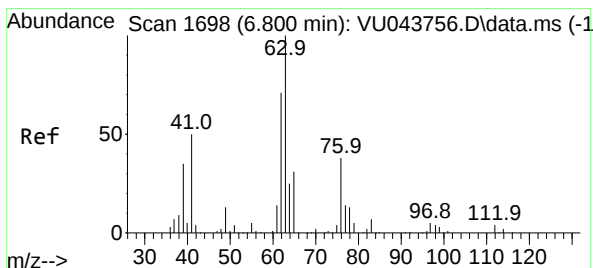
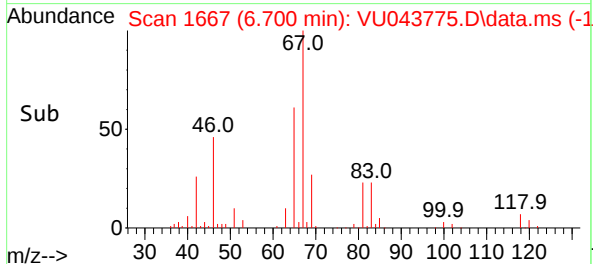
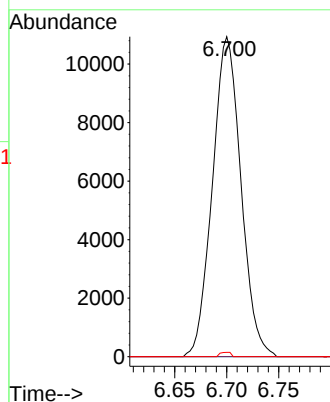
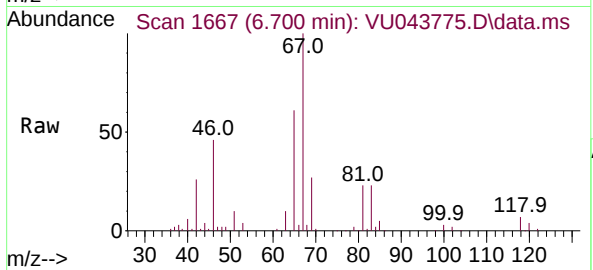




#35
Methylcyclohexane
Concen: 0.82 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

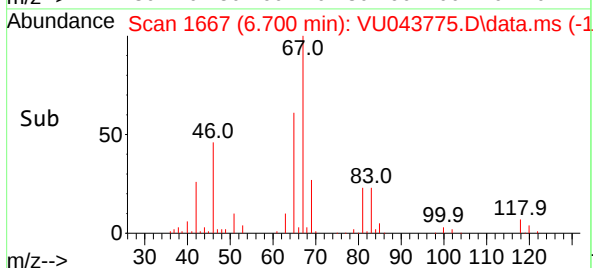
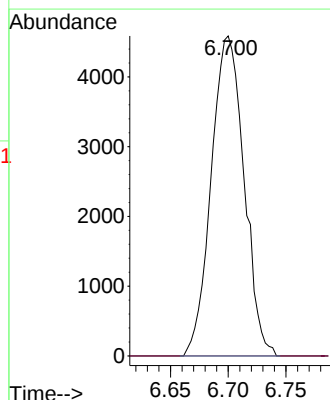
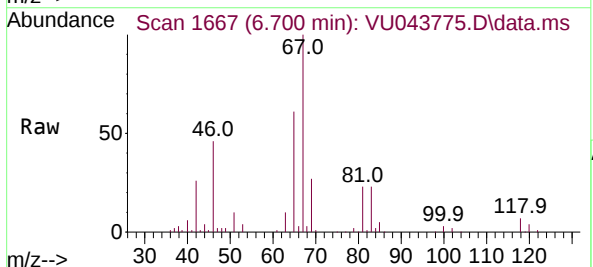
Instrument :
MSVOA_U
ClientSampled :

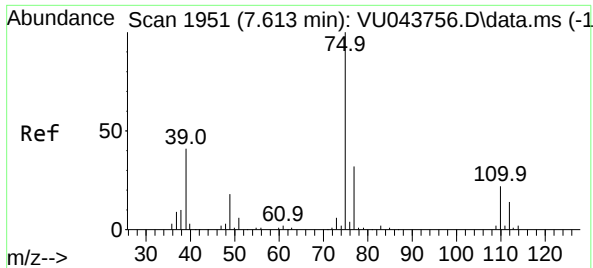
Tgt Ion: 83	Resp: 20872
Ion Ratio	Lower Upper
83 100	
55 0.0	64.8 97.2#
98 0.5	35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.54 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion: 63	Resp: 9061
Ion Ratio	Lower Upper
63 100	
112 0.0	3.3 4.9#

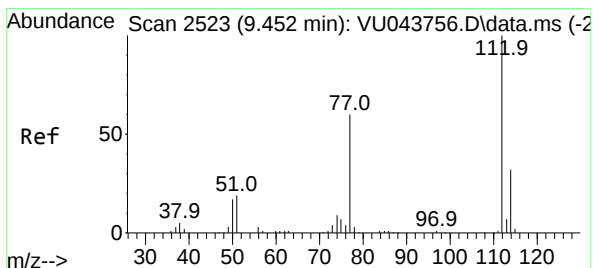
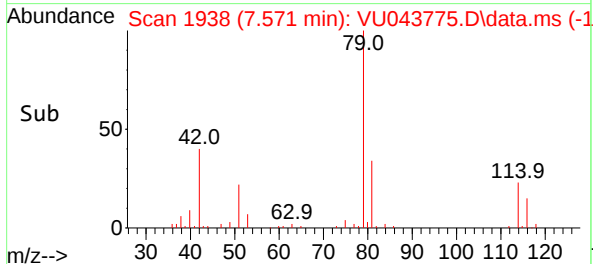
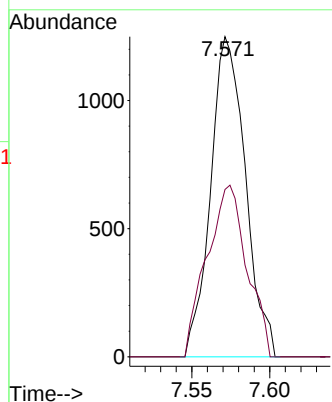
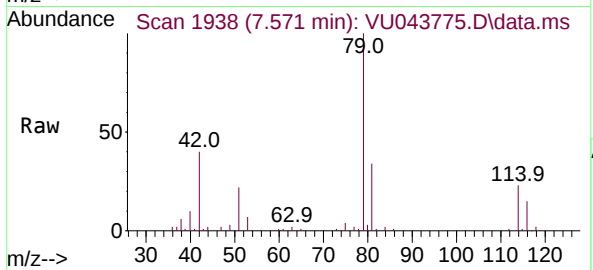




#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

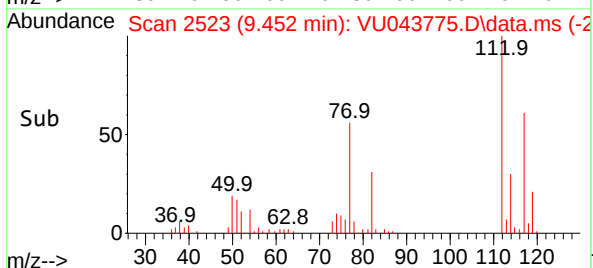
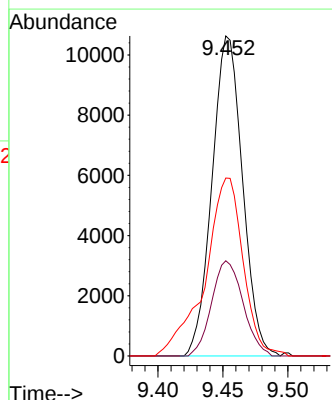
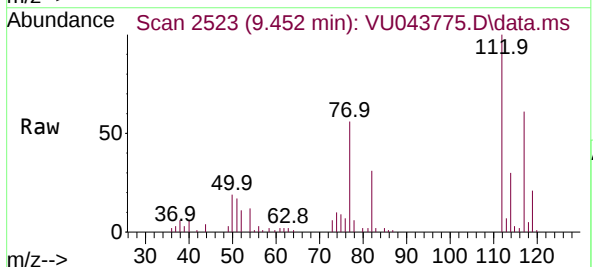
Instrument :
MSVOA_U
ClientSampled :

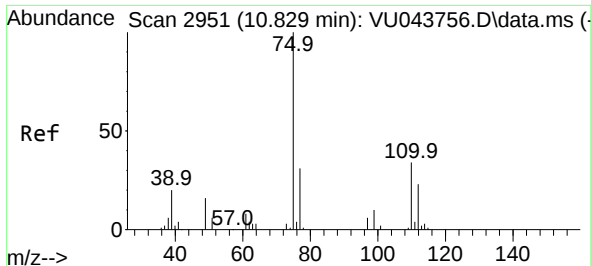
Tgt Ion: 75 Resp: 1940
Ion Ratio Lower Upper
75 100
77 52.3 22.5 41.7#



#51
Chlorobenzene
Concen: 0.42 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion: 112 Resp: 17329
Ion Ratio Lower Upper
112 100
114 29.8 22.3 41.5
77 55.6 47.8 71.8

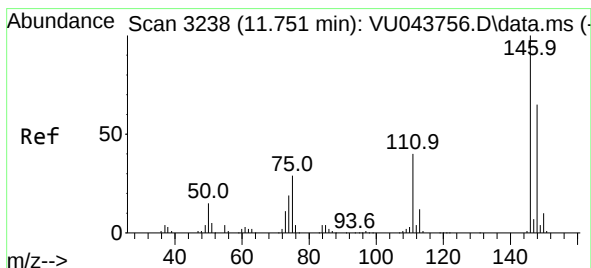
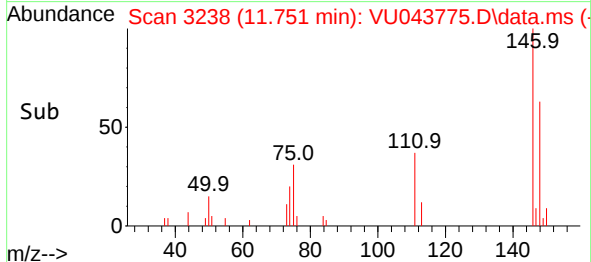
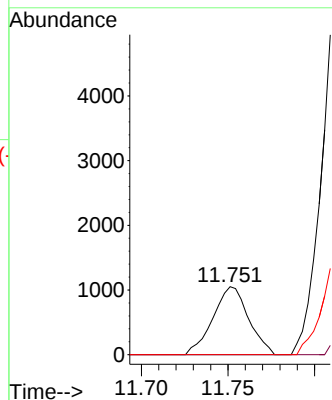
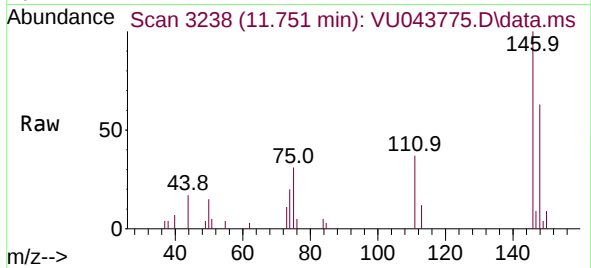




#61
1,2,3-Trichloropropane
Concen: 0.16 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.923 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

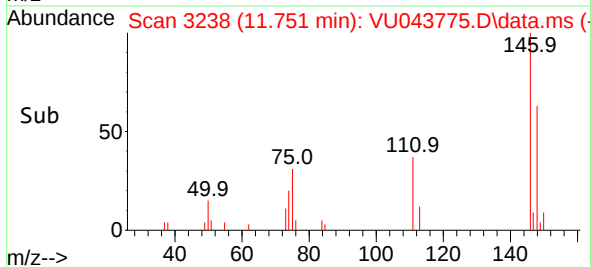
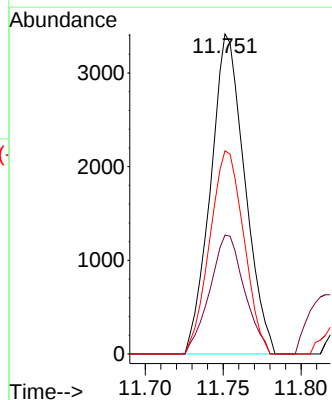
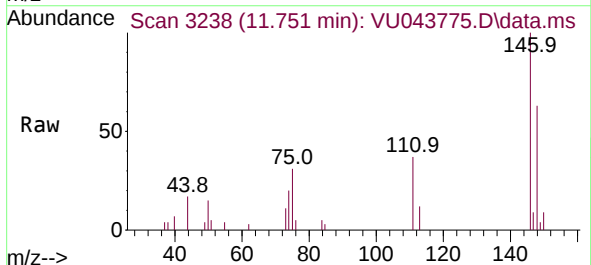
Instrument :
MSVOA_U
ClientSampleId :

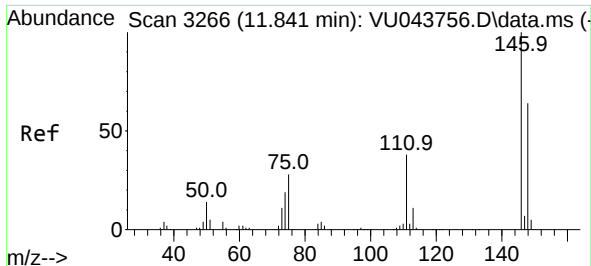
Tgt Ion: 75 Resp: 1507
Ion Ratio Lower Upper
75 100
110 0.0 27.9 41.9#
77 0.0 25.9 38.9#



#64
1,3-Dichlorobenzene
Concen: 0.18 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion:146 Resp: 5197
Ion Ratio Lower Upper
146 100
111 37.1 28.1 52.1
148 63.5 45.6 84.6

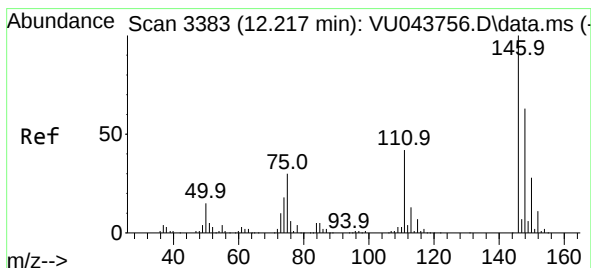
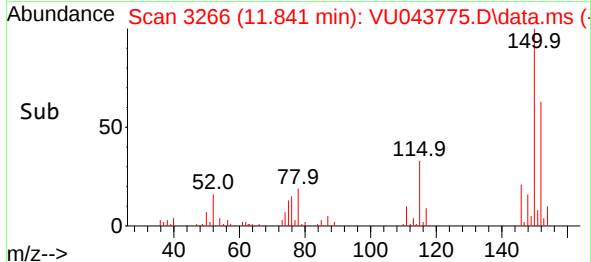
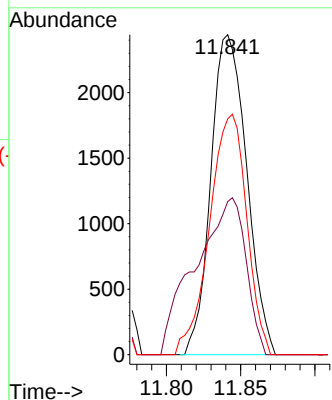
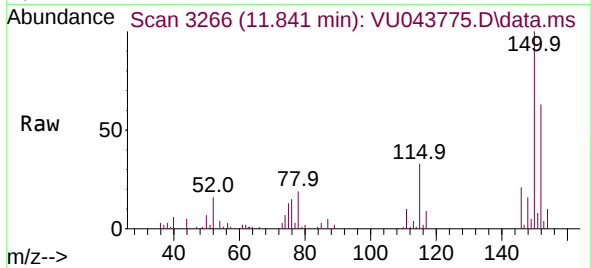




#65
1,4-Dichlorobenzene
Concen: 0.14 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

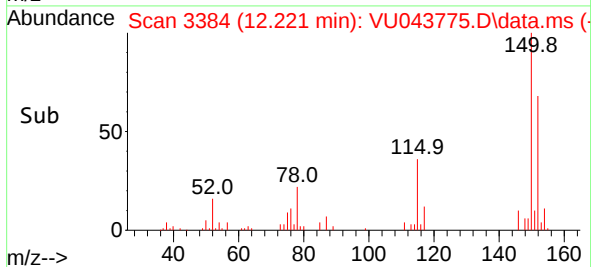
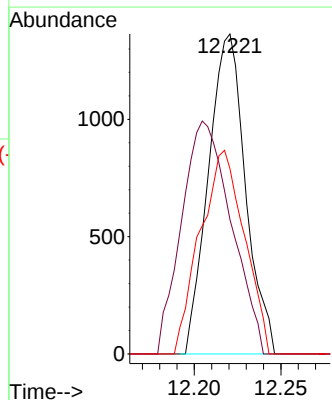
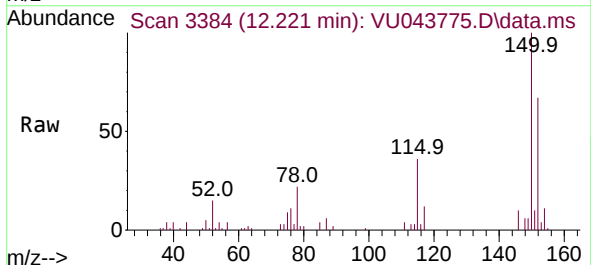
Instrument :
MSVOA_U
ClientSampleId :

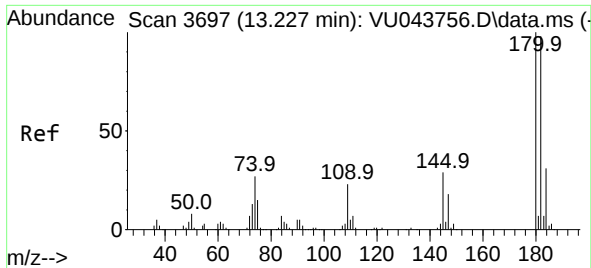
Tgt Ion:	146	Resp:	4095
Ion Ratio	Lower	Upper	
146	100		
111	47.9	27.0	50.2
148	73.7	45.0	83.6



#67
1,2-Dichlorobenzene
Concen: 0.07 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU043775.D
Acq: 14 May 2021 23:28

Tgt Ion:	146	Resp:	2030
Ion Ratio	Lower	Upper	
146	100		
111	42.0	33.6	50.4
148	57.9	50.2	75.2

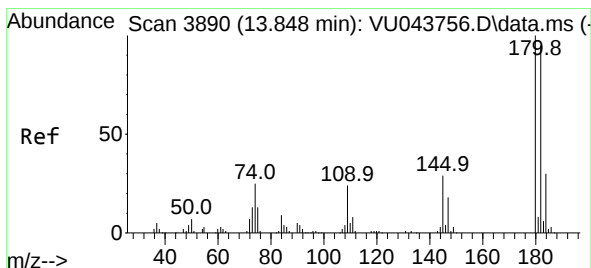
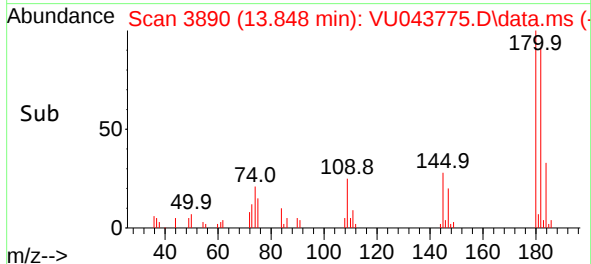
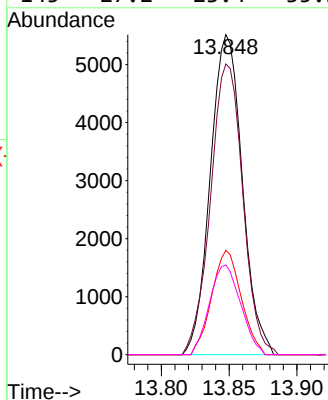
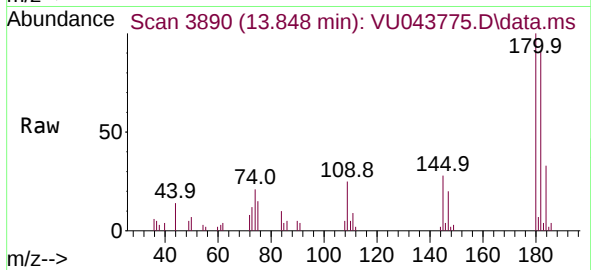




#69
 1,3,5-Trichlorobenzene
 Concen: 0.40 ug/L
 RT: 13.848 min Scan# 3890
 Delta R.T. 0.620 min
 Lab File: VU043775.D
 Acq: 14 May 2021 23:28

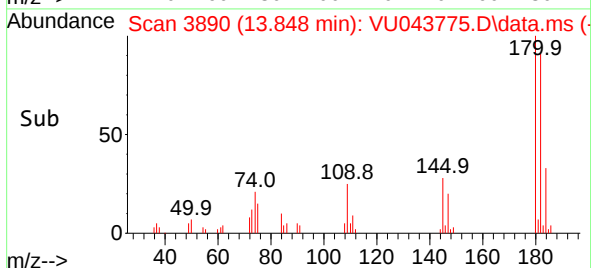
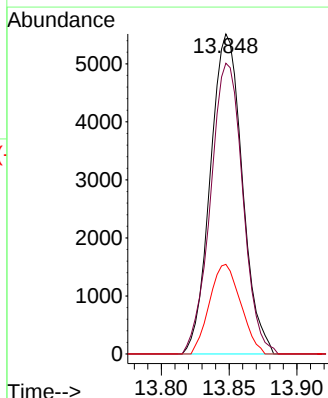
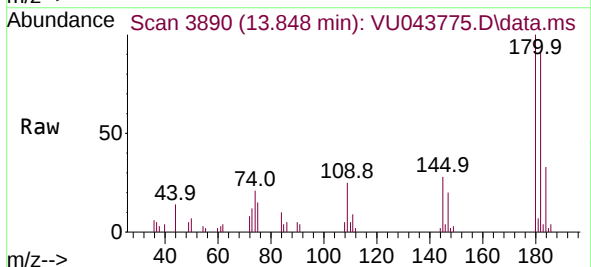
Instrument :
 MSVOA_U
 ClientSampled :

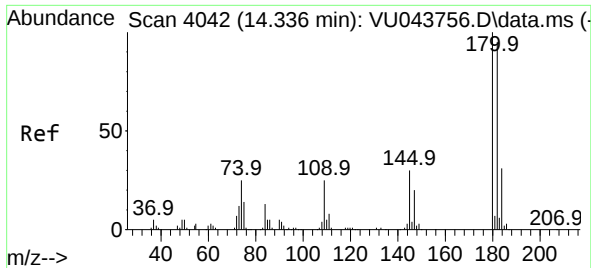
Tgt Ion:	180	Resp:	9044
Ion Ratio	Lower	Upper	
180	100		
182	91.7	78.2	117.2
184	30.1	24.8	37.2
145	27.2	23.4	35.2



#70
 1,2,4-trichlorobenzene
 Concen: 0.48 ug/L
 RT: 13.848 min Scan# 3890
 Delta R.T. -0.000 min
 Lab File: VU043775.D
 Acq: 14 May 2021 23:28

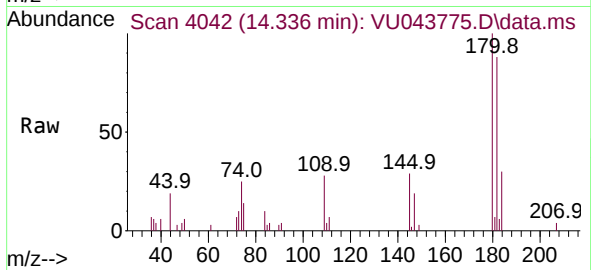
Tgt Ion:	180	Resp:	9044
Ion Ratio	Lower	Upper	
180	100		
182	91.7	76.9	115.3
145	27.2	23.0	34.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.35 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.000 min
 Lab File: VU043775.D
 Acq: 14 May 2021 23:28

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	6308
Ion Ratio	Lower	Upper	
180	100		
182	92.8	77.0	115.4
145	28.9	24.6	36.8

