

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
 Data File : VU043791.D
 Acq On : 17 May 2021 14:36
 Operator : SY/MD
 Sample : M2380-03DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 03:11:43 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	227908	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	230070	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	103704	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	79712	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.919	69	59379	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.572	65	34629	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.646	46	150636	47.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.28%
24) Chloroform-d	5.073	84	137332	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.713	65	69461	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.735	84	289112	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.700	67	91629	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.906	98	244066	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloroprop...	8.186	79	32805	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.645	63	146123	46.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.86%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	72744	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
66) 1,2-Dichlorobenzene-d4	12.201	152	93296	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	6872	0.36	ug/L #	82
12) 1,1-Dichloroethene	2.581	96	2325	0.15	ug/L #	1
15) Methyl Acetate	3.054	43	1123	0.19	ug/L #	51
16) Methylene chloride	3.054	84	21215	0.95	ug/L	97
19) 1,1-Dichloroethane	3.880	63	5089	0.18	ug/L #	89
22) cis-1,2-Dichloroethene	4.678	96	33733	2.03	ug/L	99
25) Chloroform	5.099	83	25138	0.89	ug/L	98
29) 1,1,1-Trichloroethane	5.327	97	10146	0.42	ug/L	98
31) Carbon tetrachloride	5.327	117	1432	0.07	ug/L	91
34) Trichloroethene	6.549	95	1330	0.08	ug/L	90
35) Methylcyclohexane	6.700	83	20836	0.78	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	8895	0.51	ug/L #	89
39) cis-1,3-Dichloropropene	7.571	75	2148	0.09	ug/L #	49
51) Chlorobenzene	9.452	112	3689	0.08	ug/L	97
69) 1,3,5-Trichlorobenzene	13.851	180	1821	0.08	ug/L	88
70) 1,2,4-trichlorobenzene	13.851	180	1821	0.09	ug/L	88
72) 1,2,3-Trichlorobenzene	14.340	180	1398	0.08	ug/L #	93

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

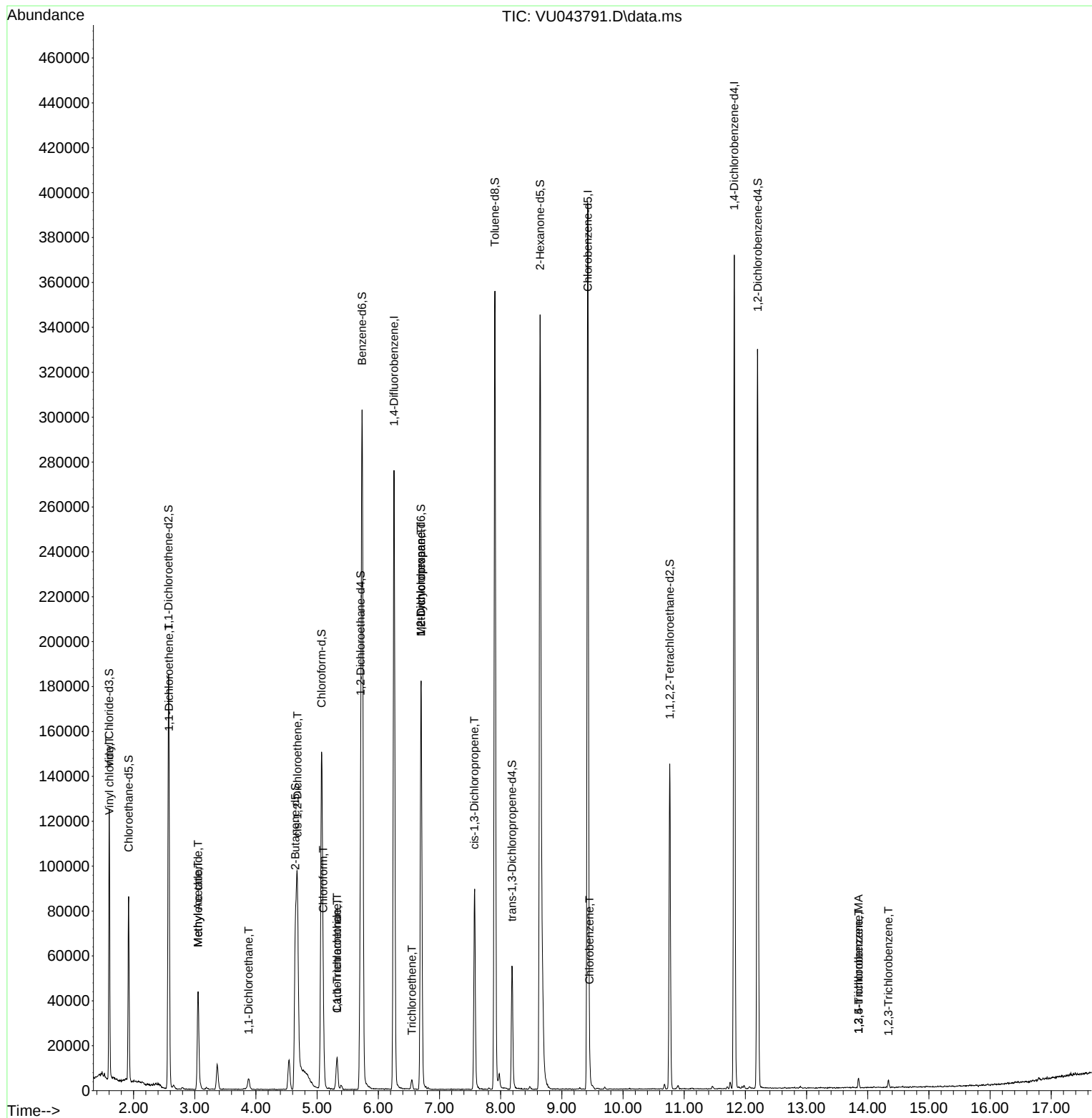
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

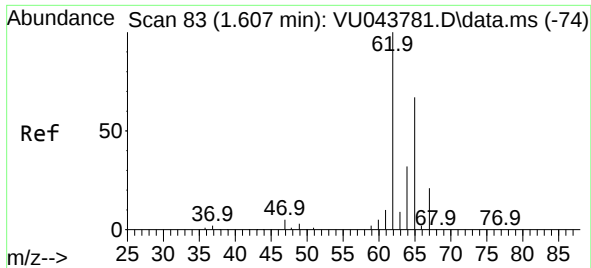
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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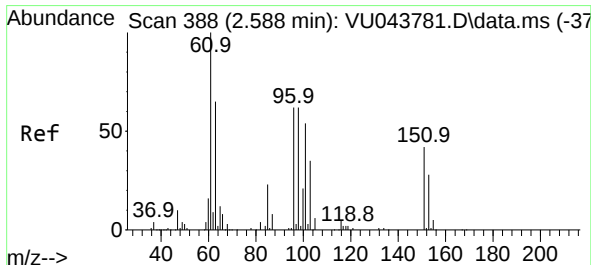
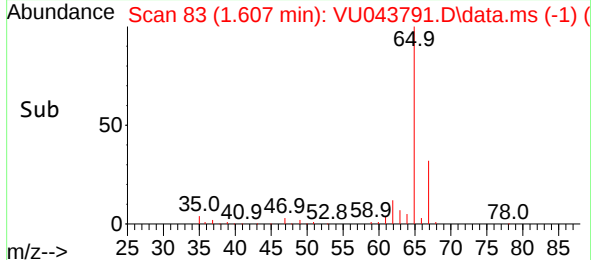
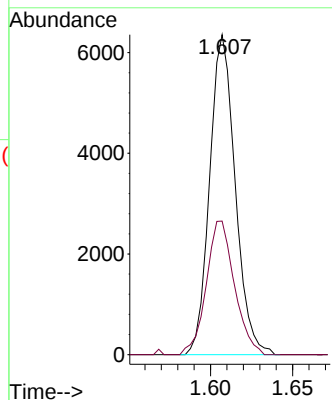
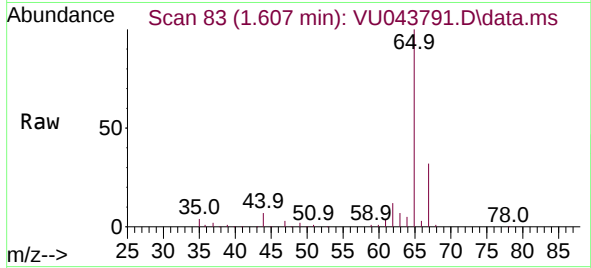




#5
 Vinyl chloride
 Concen: 0.36 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043791.D
 Acq: 17 May 2021 14:36

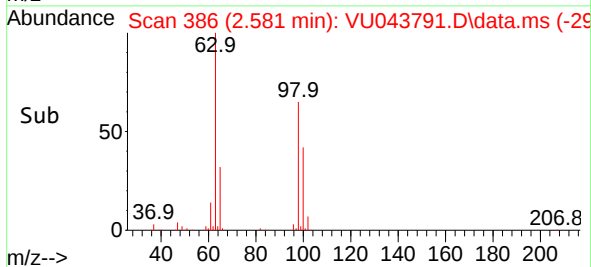
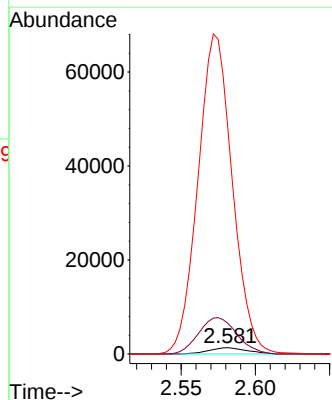
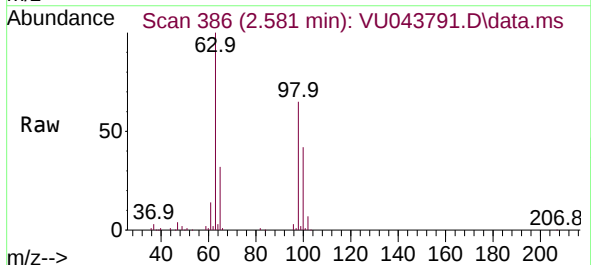
Instrument :
 MSVOA_U
 ClientSampled :

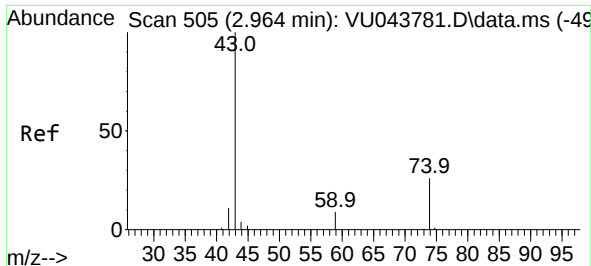
Tgt Ion: 62 Resp: 6872
 Ion Ratio Lower Upper
 62 100
 64 41.8 22.1 41.1#



#12
 1,1-Dichloroethene
 Concen: 0.15 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU043791.D
 Acq: 17 May 2021 14:36

Tgt Ion: 96 Resp: 2325
 Ion Ratio Lower Upper
 96 100
 61 493.2 117.5 218.1#
 63 3644.0 77.3 143.7#

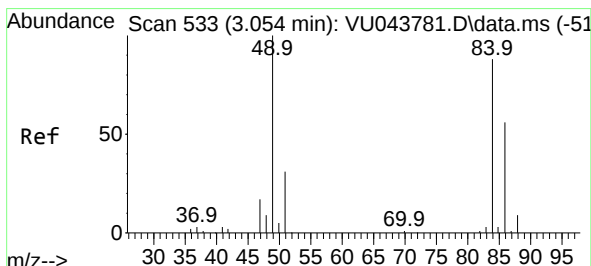
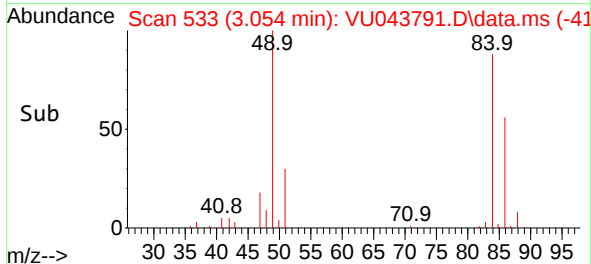
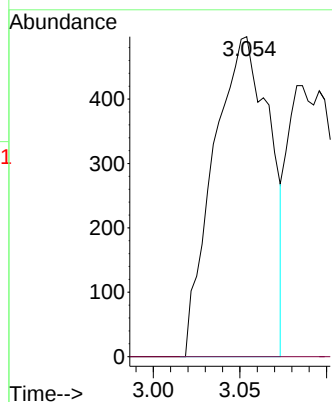
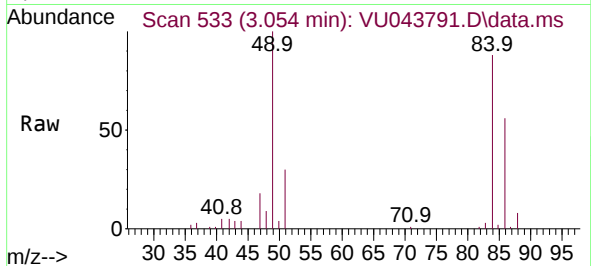




#15
Methyl Acetate
Concen: 0.19 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.090 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

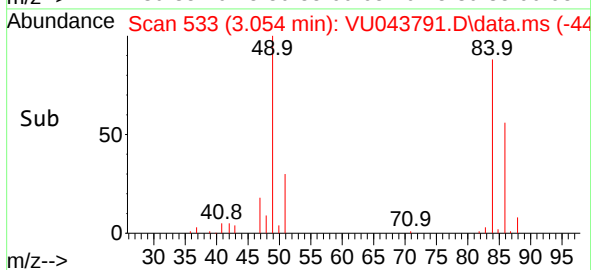
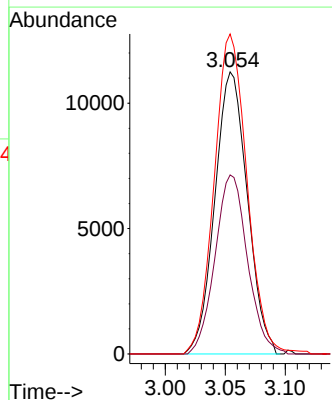
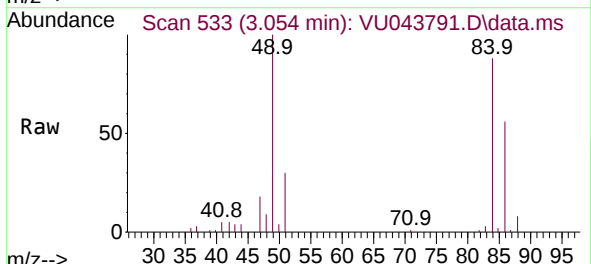
Instrument :
MSVOA_U
ClientSampled :

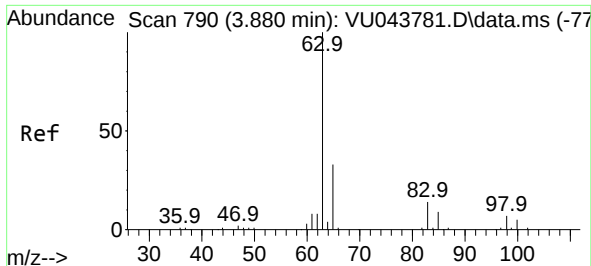
Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#16
Methylene chloride
Concen: 0.95 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

Tgt Ion: 84 Resp: 21215
Ion Ratio Lower Upper
84 100
86 63.4 44.7 82.9
49 113.4 83.1 154.3





#19

1,1-Dichloroethane

Concen: 0.18 ug/L

RT: 3.880 min Scan# 790

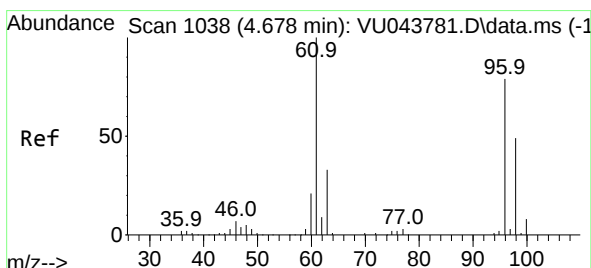
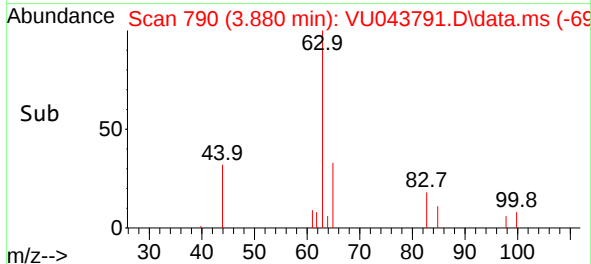
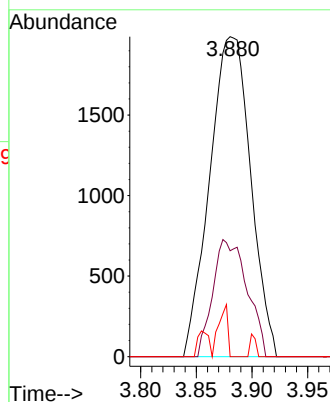
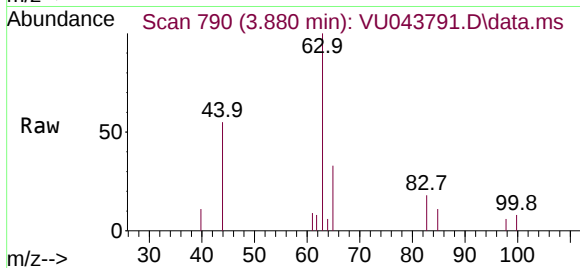
Delta R.T. 0.000 min

Lab File: VU043791.D

Acq: 17 May 2021 14:36

Tgt Ion:	63	Resp:	5089
Ion Ratio	Lower	Upper	
63	100		
65	33.1	22.3	41.3
83	0.0	9.0	16.8#

Instrument :
MSVOA_U
ClientSampleId :



#22

cis-1,2-Dichloroethene

Concen: 2.03 ug/L

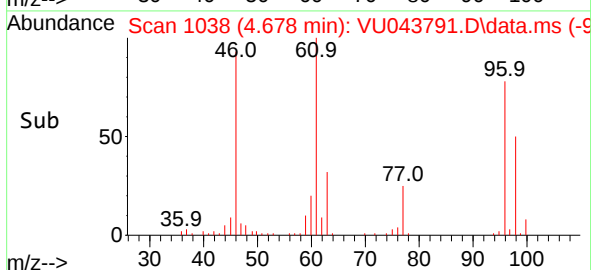
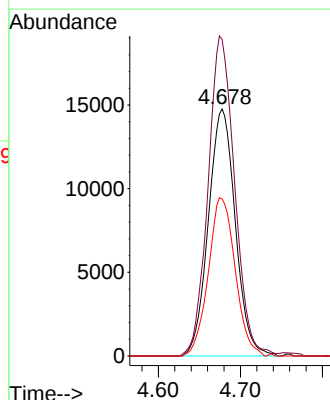
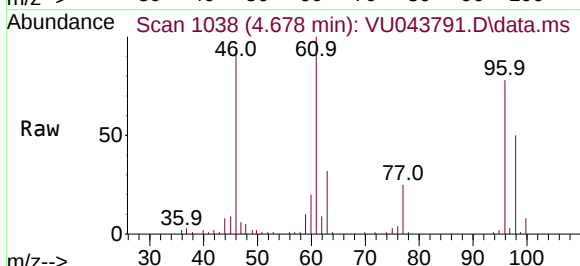
RT: 4.678 min Scan# 1038

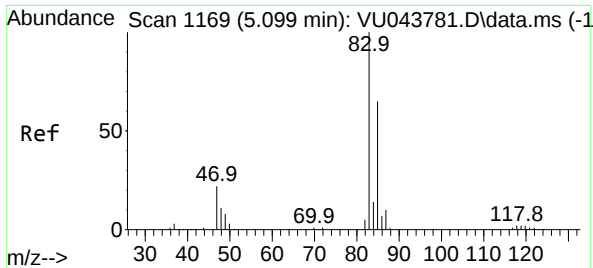
Delta R.T. 0.000 min

Lab File: VU043791.D

Acq: 17 May 2021 14:36

Tgt Ion:	96	Resp:	33733
Ion Ratio	Lower	Upper	
96	100		
61	128.3	89.0	165.4
98	63.7	44.9	83.3

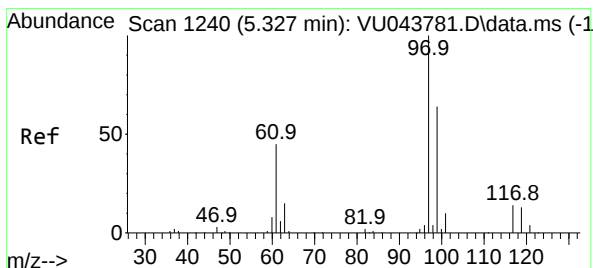
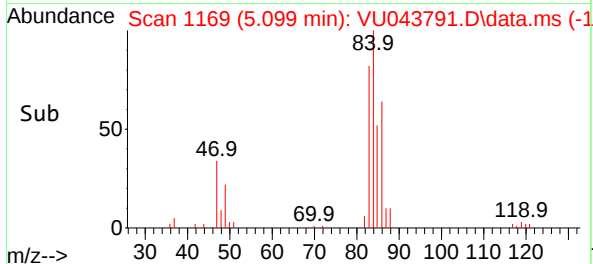
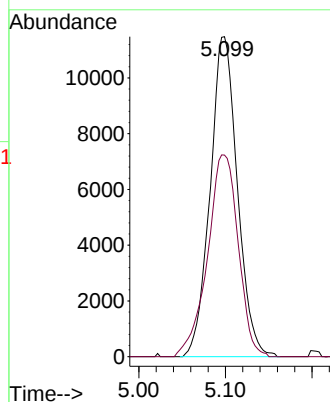
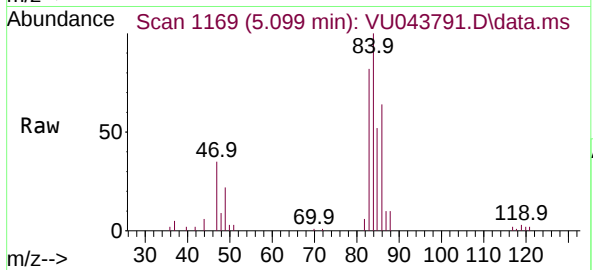




#25
Chloroform
Concen: 0.89 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

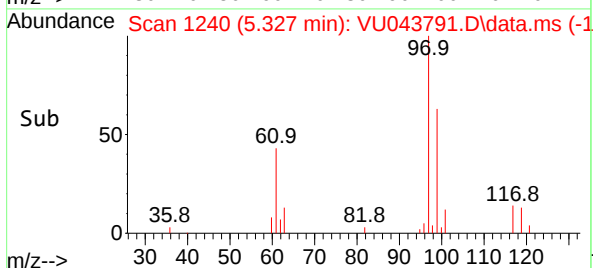
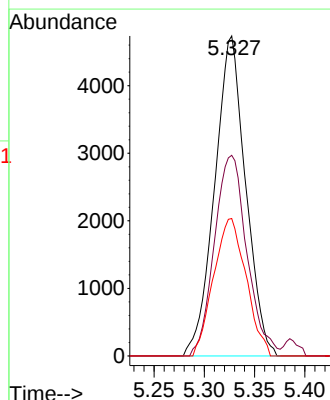
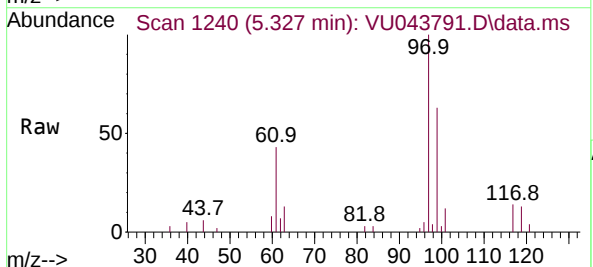
Instrument :
MSVOA_U
ClientSampled :

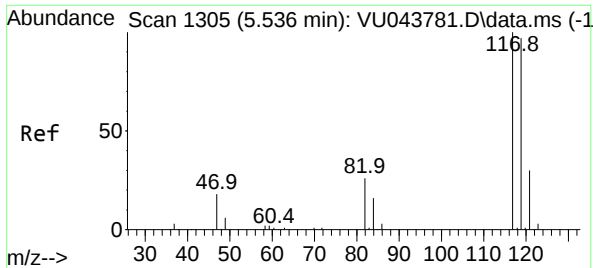
Tgt Ion: 83 Resp: 25138
Ion Ratio Lower Upper
83 100
85 63.0 45.0 83.6



#29
1,1,1-Trichloroethane
Concen: 0.42 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

Tgt Ion: 97 Resp: 10146
Ion Ratio Lower Upper
97 100
99 66.0 51.1 76.7
61 45.1 37.0 55.4

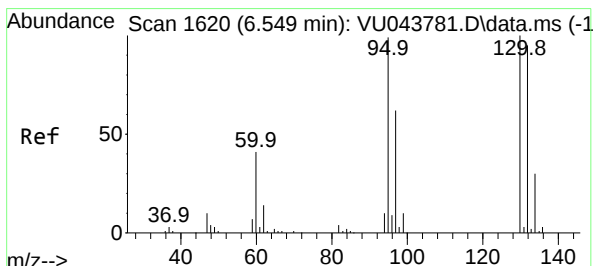
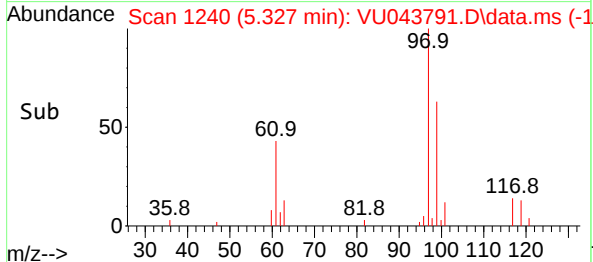
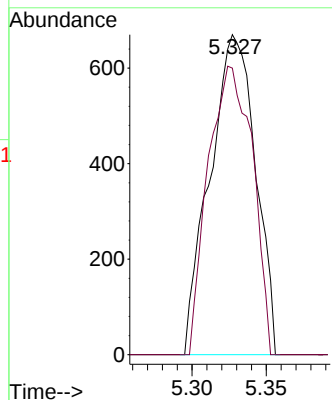
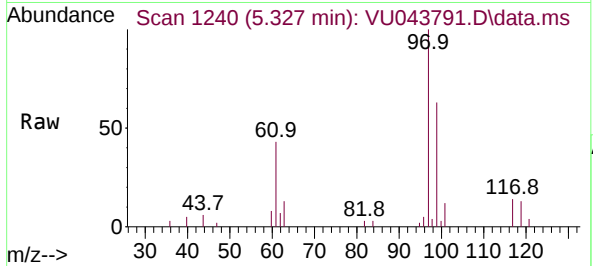




#31
Carbon tetrachloride
Concen: 0.07 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.206 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

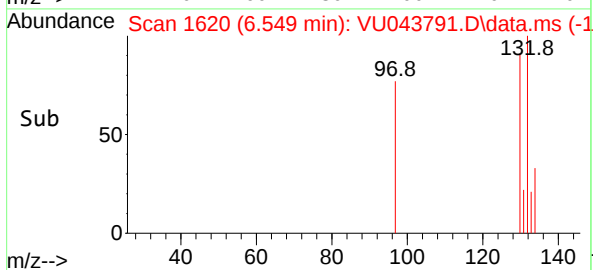
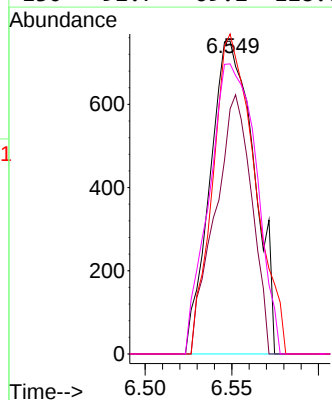
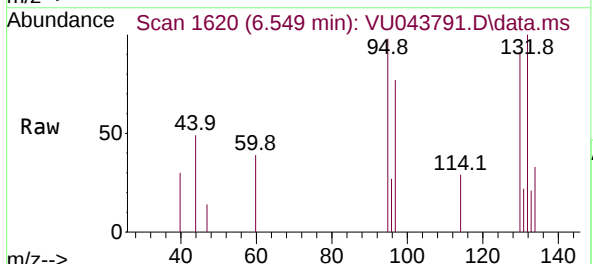
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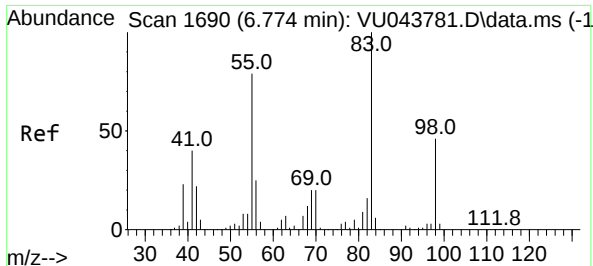
Tgt Ion:117 Resp: 1432
Ion Ratio Lower Upper
117 100
119 87.5 77.4 116.0



#34
Trichloroethene
Concen: 0.08 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
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Tgt Ion: 95 Resp: 1330
Ion Ratio Lower Upper
95 100
97 78.3 44.3 82.3
132 102.3 66.0 122.6
130 92.7 69.2 128.6





#35

Methylcyclohexane

Concen: 0.78 ug/L

RT: 6.700 min Scan# 1667

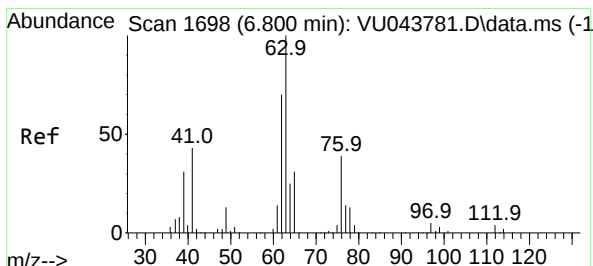
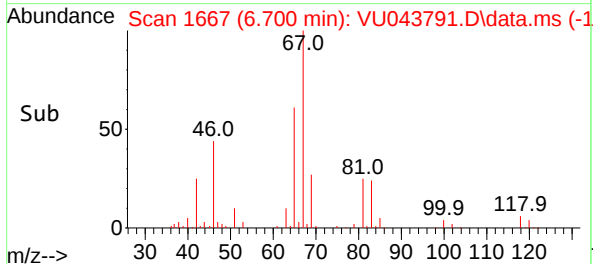
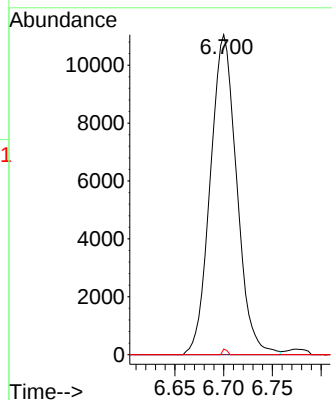
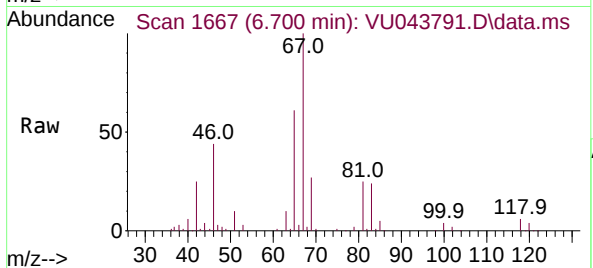
Delta R.T. -0.071 min

Lab File: VU043791.D

Acq: 17 May 2021 14:36

Tgt Ion:	83	Resp:	20836
Ion Ratio	Lower	Upper	
83	100		
55	0.0	64.8	97.2#
98	0.3	35.9	53.9#

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.51 ug/L

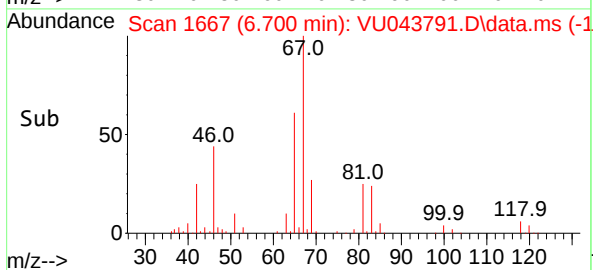
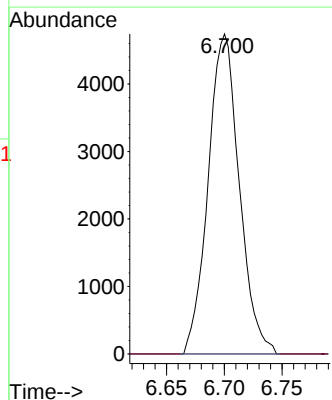
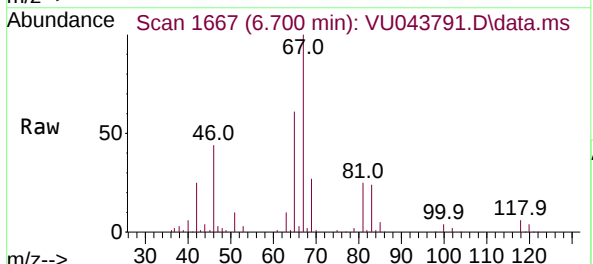
RT: 6.700 min Scan# 1667

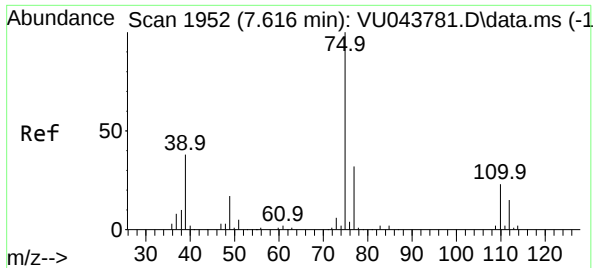
Delta R.T. -0.100 min

Lab File: VU043791.D

Acq: 17 May 2021 14:36

Tgt Ion:	63	Resp:	8895
Ion Ratio	Lower	Upper	
63	100		
112	0.5	3.3	4.9#

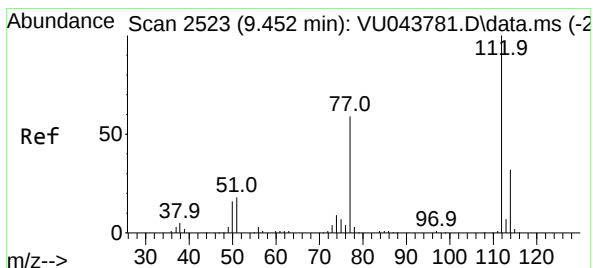
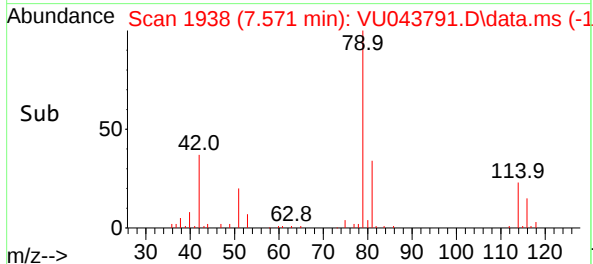
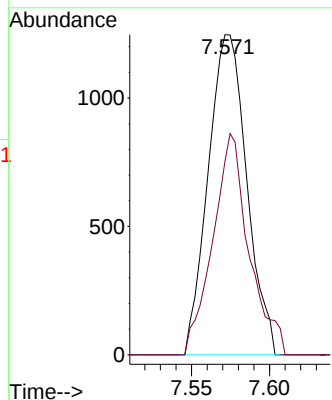
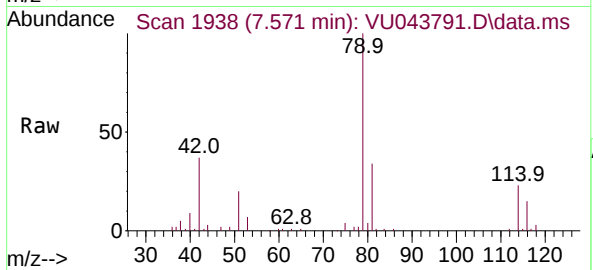




#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

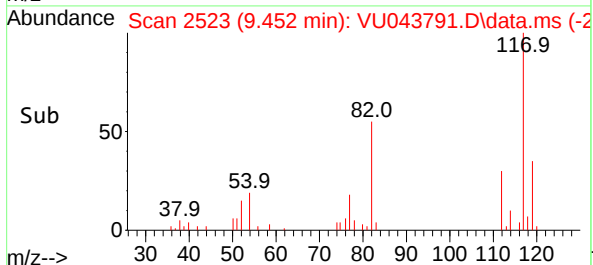
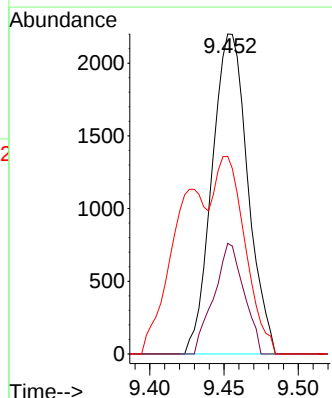
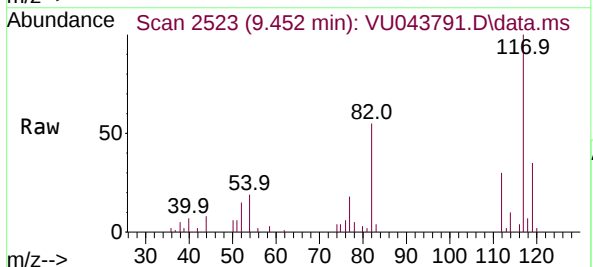
Instrument :
MSVOA_U
ClientSampled :

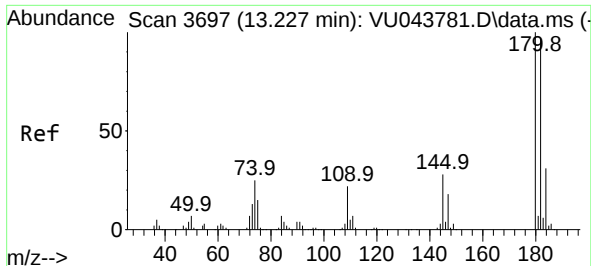
Tgt Ion: 75 Resp: 2148
Ion Ratio Lower Upper
75 100
77 60.5 22.5 41.7#



#51
Chlorobenzene
Concen: 0.08 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

Tgt Ion: 112 Resp: 3689
Ion Ratio Lower Upper
112 100
114 34.5 22.3 41.5
77 61.7 47.8 71.8

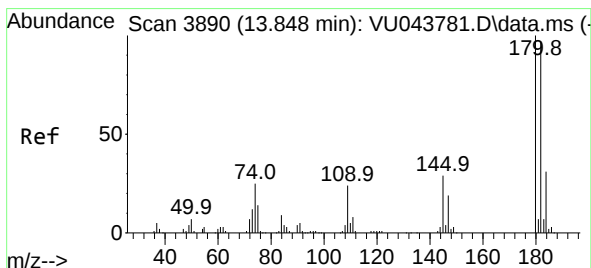
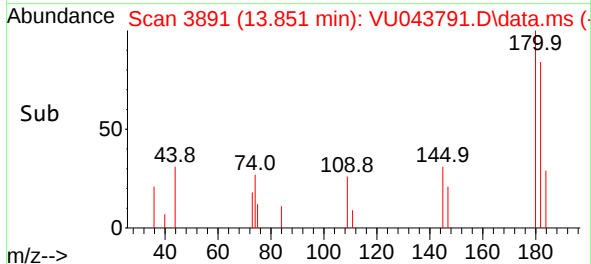
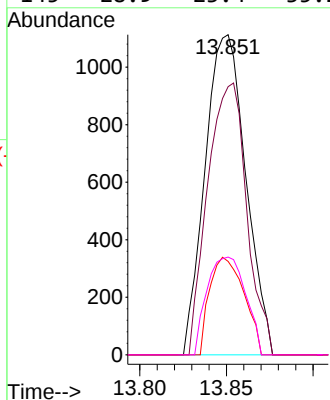
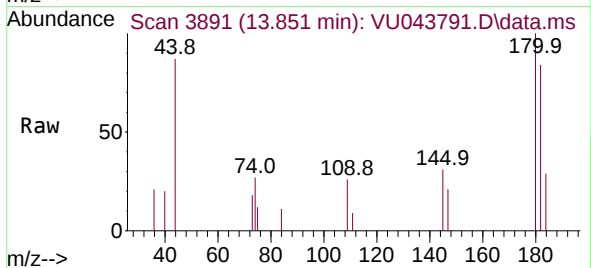




#69
1,3,5-Trichlorobenzene
Concen: 0.08 ug/L
RT: 13.851 min Scan# 3891
Delta R.T. 0.624 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

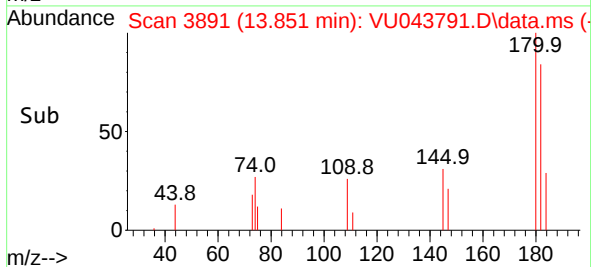
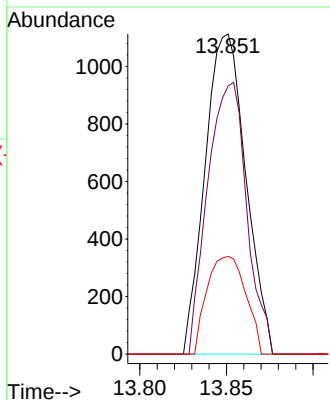
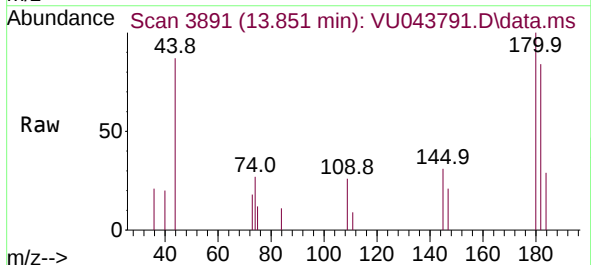
Instrument :
MSVOA_U
ClientSampleId :

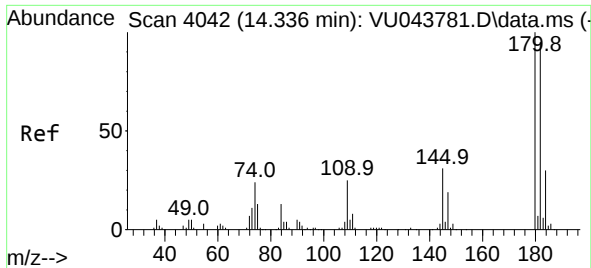
Tgt Ion:	180	Resp:	1821
Ion	Ratio	Lower	Upper
180	100		
182	81.2	78.2	117.2
184	25.6	24.8	37.2
145	28.9	23.4	35.2



#70
1,2,4-trichlorobenzene
Concen: 0.09 ug/L
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043791.D
Acq: 17 May 2021 14:36

Tgt Ion:	180	Resp:	1821
Ion	Ratio	Lower	Upper
180	100		
182	81.2	76.9	115.3
145	28.9	23.0	34.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.08 ug/L
 RT: 14.340 min Scan# 4043
 Delta R.T. 0.003 min
 Lab File: VU043791.D
 Acq: 17 May 2021 14:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 1398
 Ion Ratio Lower Upper
 180 100
 182 101.6 77.0 115.4
 145 23.7 24.6 36.8#

