

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
 Data File : VU043787.D
 Acq On : 17 May 2021 13:00
 Operator : SY/MD
 Sample : M2380-03DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 03:11:07 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	231421	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	230656	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	107077	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	79300	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.919	69	59836	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.575	65	35355	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.645	46	158050	48.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.42%
24) Chloroform-d	5.073	84	136892	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.713	65	72117	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.735	84	291338	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.700	67	90566	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.906	98	249006	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloroprop...	8.185	79	32487	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.645	63	156822	50.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.48%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	75346	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
66) 1,2-Dichlorobenzene-d4	12.201	152	93588	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	6260	0.32	ug/L #	77
12) 1,1-Dichloroethene	2.578	96	2289	0.15	ug/L #	1
16) Methylene chloride	3.057	84	5211	0.23	ug/L	95
19) 1,1-Dichloroethane	3.886	63	5315	0.18	ug/L	99
22) cis-1,2-Dichloroethene	4.677	96	33757	2.00	ug/L	97
25) Chloroform	5.099	83	25667	0.89	ug/L	96
29) 1,1,1-Trichloroethane	5.324	97	9914	0.41	ug/L	98
34) Trichloroethene	6.552	95	1420	0.08	ug/L	88
35) Methylcyclohexane	6.700	83	20583	0.77	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	8881	0.51	ug/L #	88
39) cis-1,3-Dichloropropene	7.574	75	2131	0.09	ug/L #	63
42) Toluene	7.976	91	4547	0.06	ug/L	93
48) 2-Hexanone	8.693	43	10106	1.22	ug/L #	87
51) Chlorobenzene	9.455	112	4731	0.11	ug/L	96
61) 1,2,3-Trichloropropane	11.819	75	12311	1.20	ug/L #	68
67) 1,2-Dichlorobenzene	12.221	146	3604	0.12	ug/L	95
69) 1,3,5-Trichlorobenzene	13.227	180	1627	0.07	ug/L	97
70) 1,2,4-trichlorobenzene	13.848	180	1844	0.09	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	5778	0.31	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
Data File : VU043787.D
Acq On : 17 May 2021 13:00
Operator : SY/MD
Sample : M2380-03DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 18 03:11:07 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

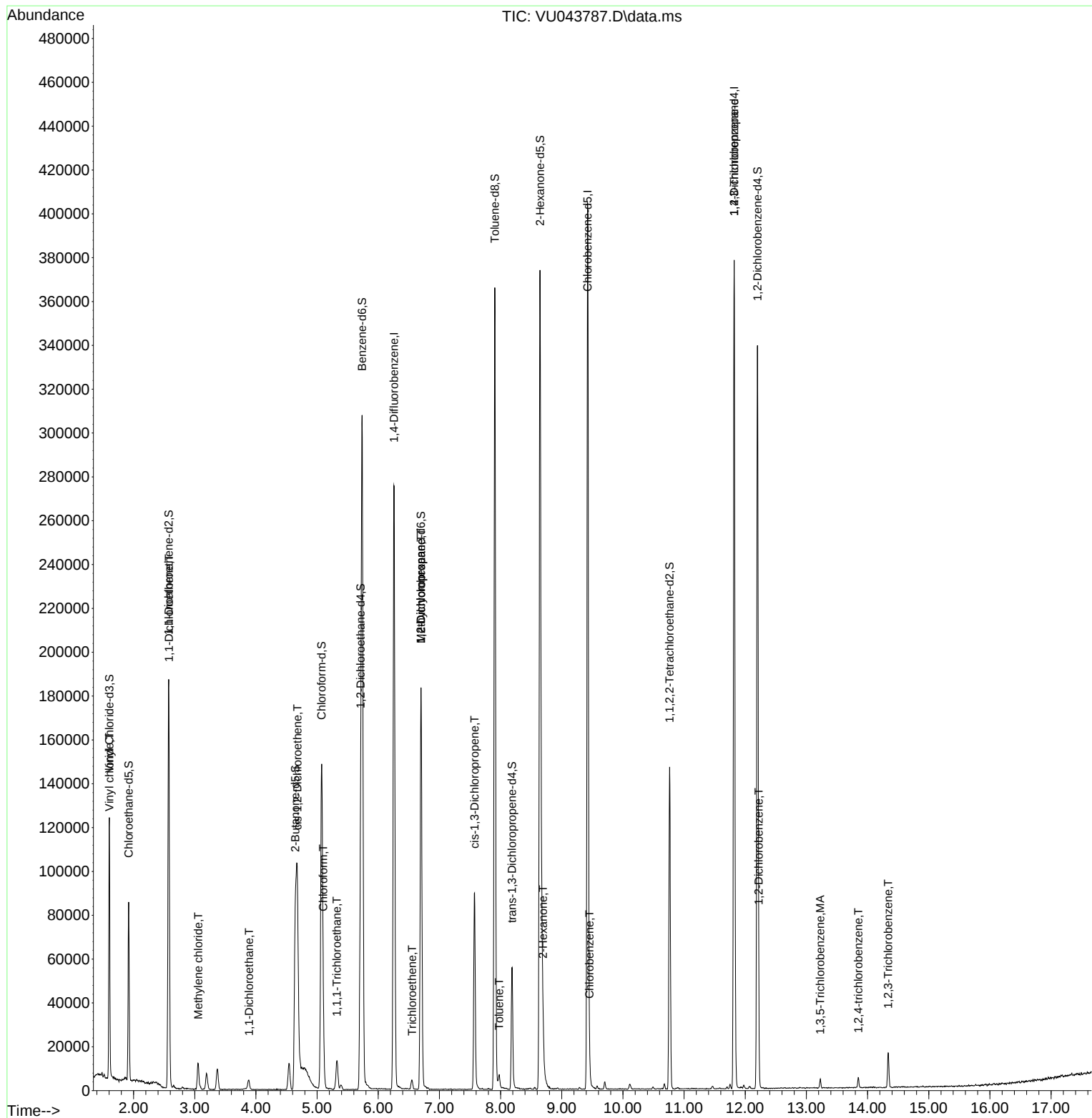
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

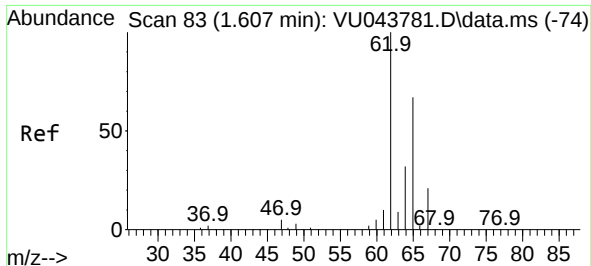
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
Data File : VU043787.D
Acq On : 17 May 2021 13:00
Operator : SY/MD
Sample : M2380-03DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :

Quant Time: May 18 03:11:07 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

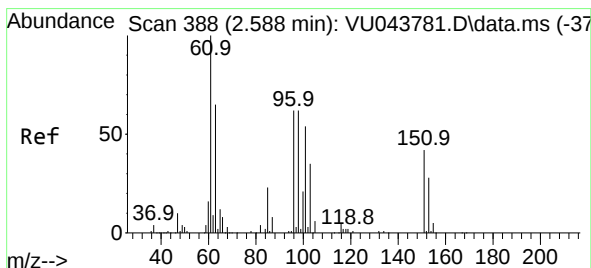
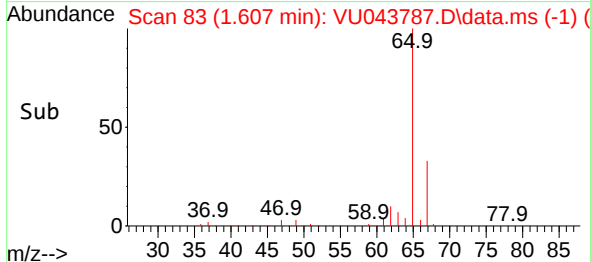
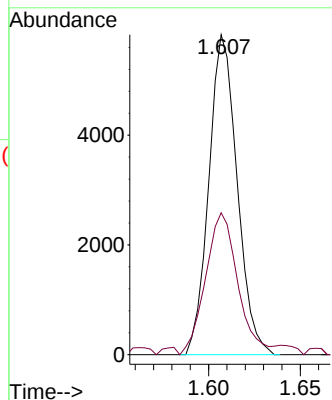
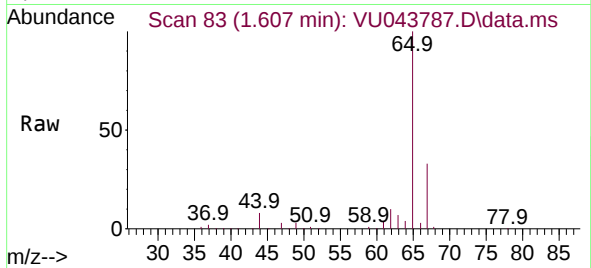




#5
 Vinyl chloride
 Concen: 0.32 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043787.D
 Acq: 17 May 2021 13:00

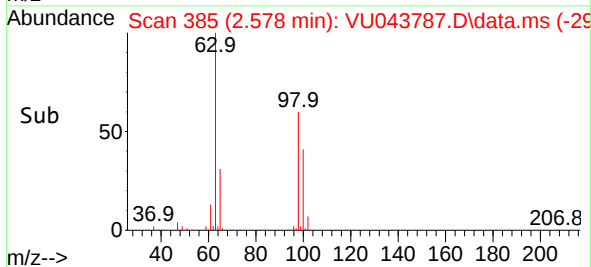
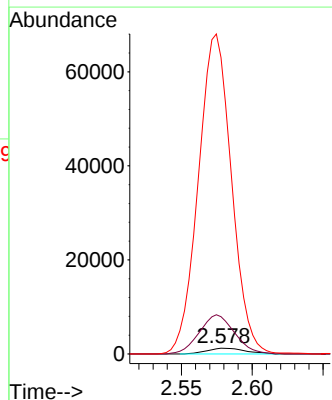
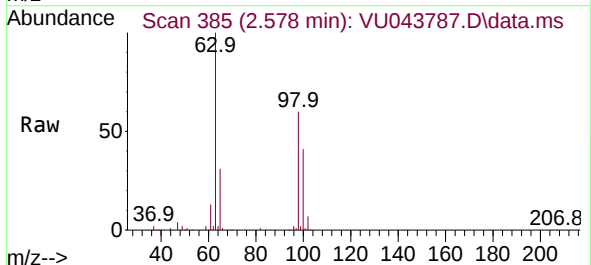
Instrument :
 MSVOA_U
 ClientSampled :

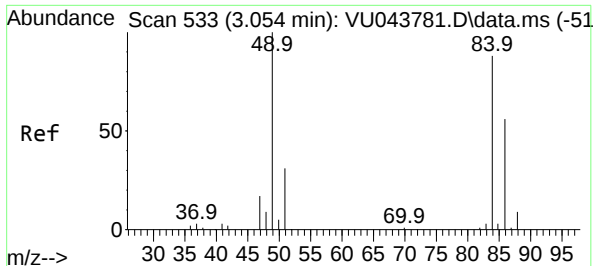
Tgt Ion: 62 Resp: 6260
 Ion Ratio Lower Upper
 62 100
 64 44.4 22.1 41.1#



#12
 1,1-Dichloroethene
 Concen: 0.15 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU043787.D
 Acq: 17 May 2021 13:00

Tgt Ion: 96 Resp: 2289
 Ion Ratio Lower Upper
 96 100
 61 653.6 117.5 218.1#
 63 5188.5 77.3 143.7#

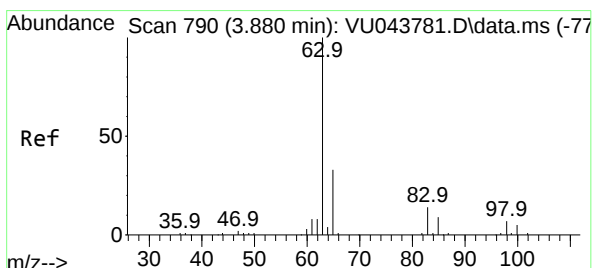
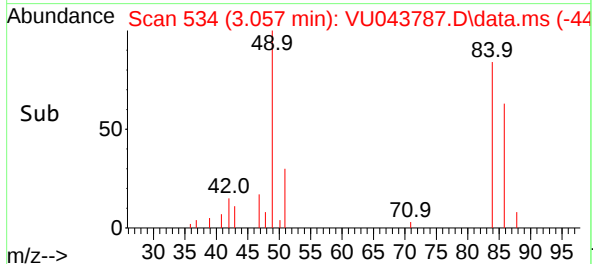
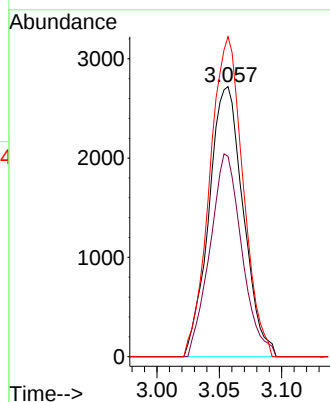
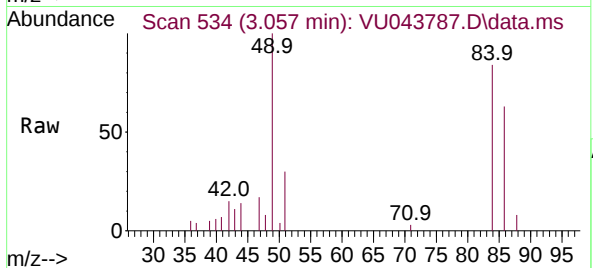




#16
Methylene chloride
Concen: 0.23 ug/L
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

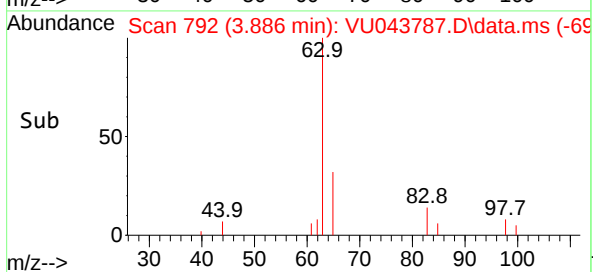
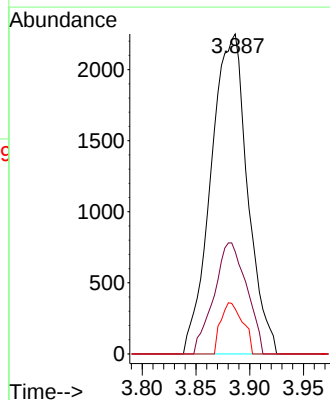
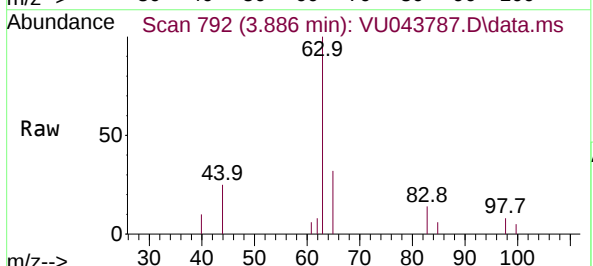
Instrument :
MSVOA_U
ClientSampleId :

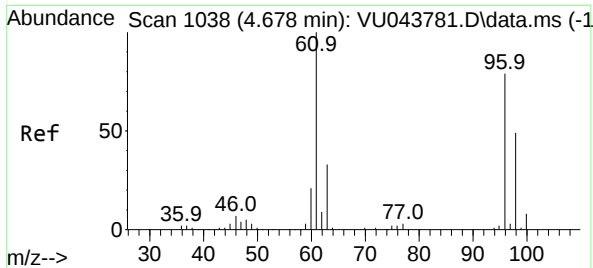
Tgt Ion: 84 Resp: 5211
Ion Ratio Lower Upper
84 100
86 74.1 44.7 82.9
49 118.4 83.1 154.3



#19
1,1-Dichloroethane
Concen: 0.18 ug/L
RT: 3.886 min Scan# 792
Delta R.T. 0.006 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

Tgt Ion: 63 Resp: 5315
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.3
83 14.0 9.0 16.8





#22

cis-1,2-Dichloroethene

Concen: 2.00 ug/L

RT: 4.677 min Scan# 1038

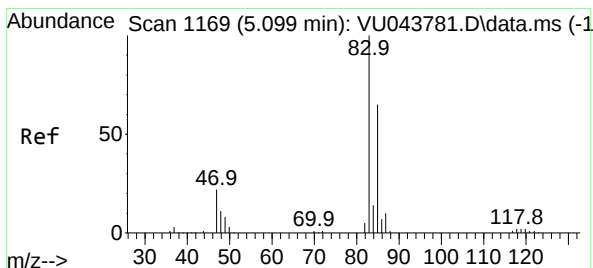
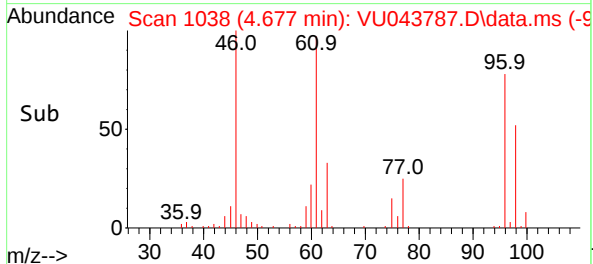
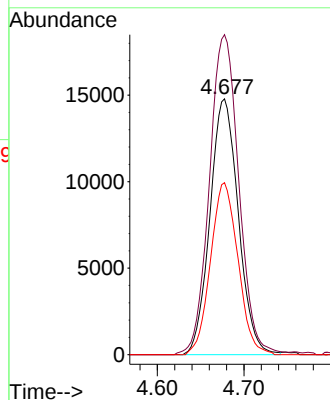
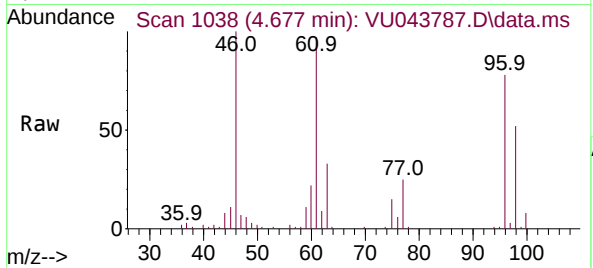
Delta R.T. -0.000 min

Lab File: VU043787.D

Acq: 17 May 2021 13:00

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	96	Resp:	33757
Ion	Ratio	Lower	Upper
96	100		
61	125.1	89.0	165.4
98	67.2	44.9	83.3



#25

Chloroform

Concen: 0.89 ug/L

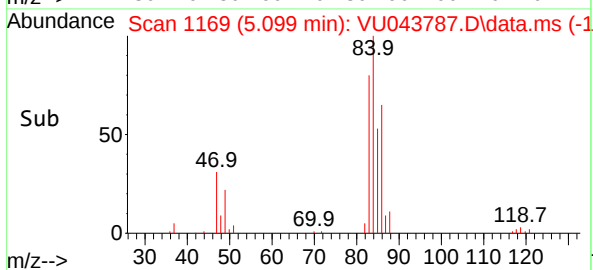
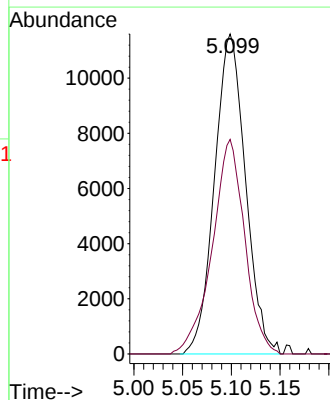
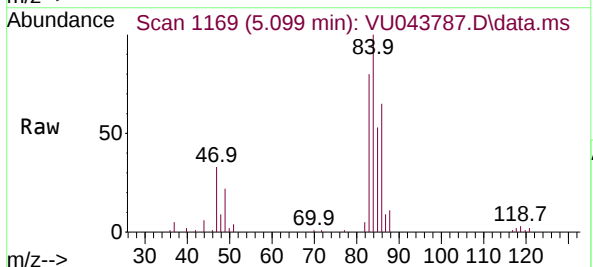
RT: 5.099 min Scan# 1169

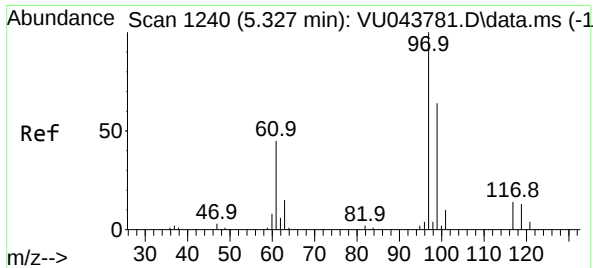
Delta R.T. -0.000 min

Lab File: VU043787.D

Acq: 17 May 2021 13:00

Tgt Ion:	83	Resp:	25667
Ion	Ratio	Lower	Upper
83	100		
85	67.0	45.0	83.6





#29

1,1,1-Trichloroethane

Concen: 0.41 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.003 min

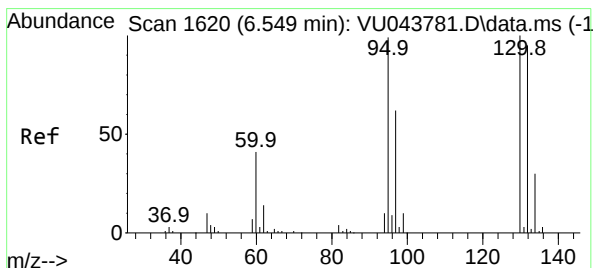
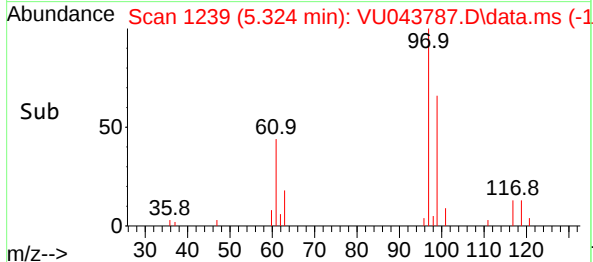
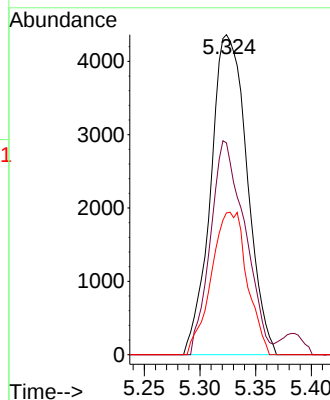
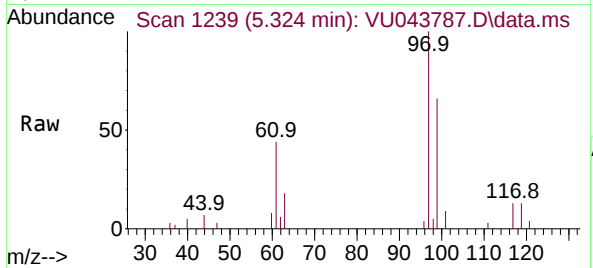
Lab File: VU043787.D

Acq: 17 May 2021 13:00

Tgt Ion: 97 Resp: 9914

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	43.9	37.0	55.4

Instrument :
MSVOA_U
ClientSampleId :



#34

Trichloroethene

Concen: 0.08 ug/L

RT: 6.552 min Scan# 1621

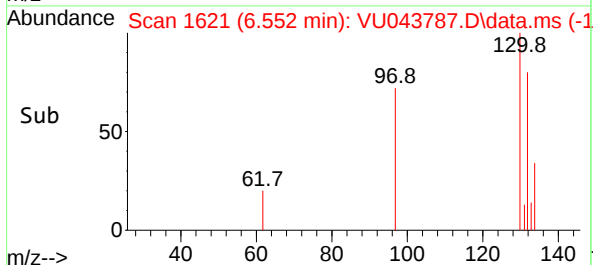
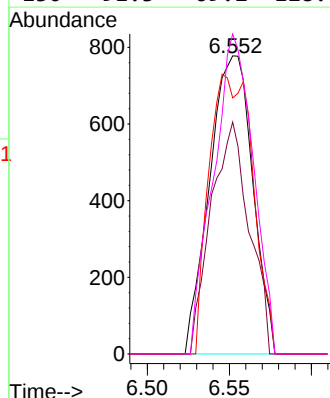
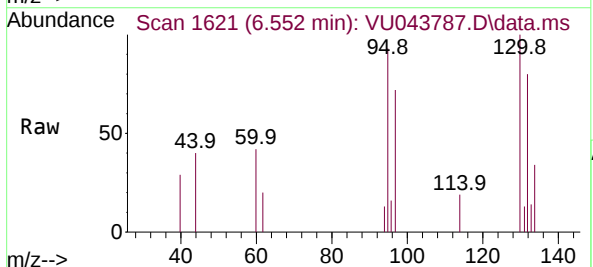
Delta R.T. 0.003 min

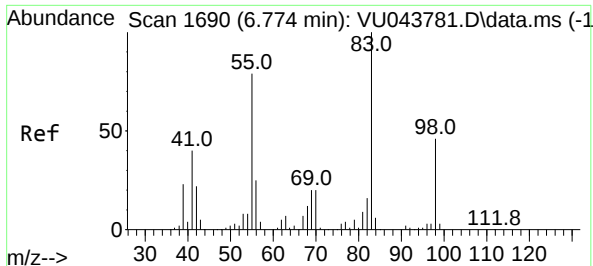
Lab File: VU043787.D

Acq: 17 May 2021 13:00

Tgt Ion: 95 Resp: 1420

Ion	Ratio	Lower	Upper
95	100		
97	66.1	44.3	82.3
132	73.0	66.0	122.6
130	91.3	69.2	128.6





#35

Methylcyclohexane

Concen: 0.77 ug/L

RT: 6.700 min Scan# 1667

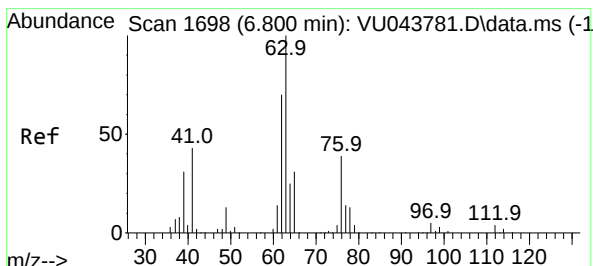
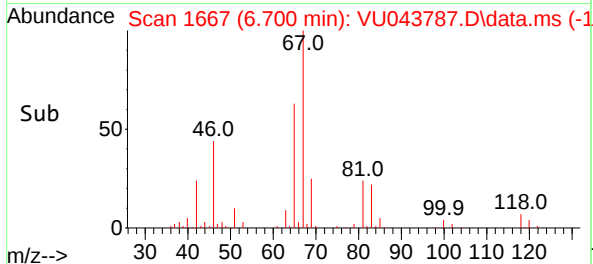
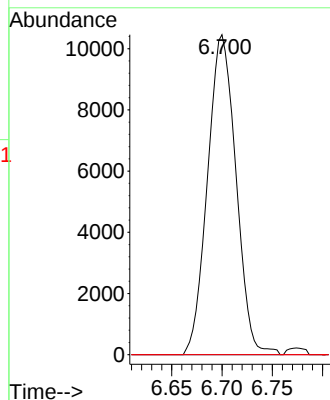
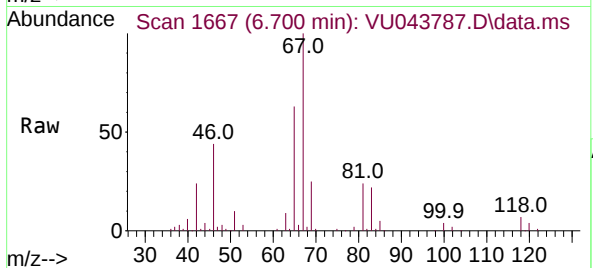
Delta R.T. -0.071 min

Lab File: VU043787.D

Acq: 17 May 2021 13:00

Tgt Ion:	83	Resp:	20583
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

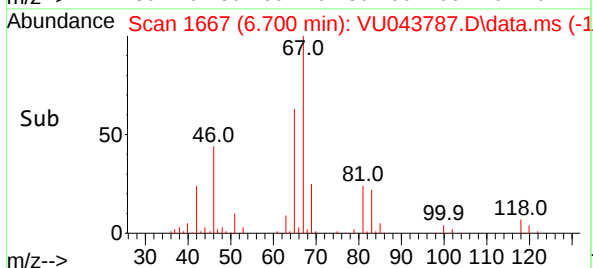
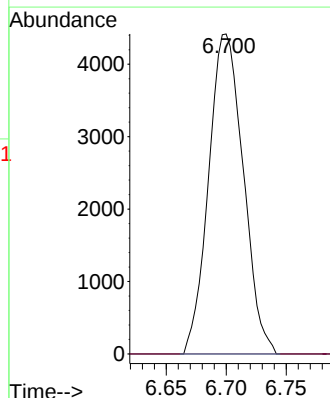
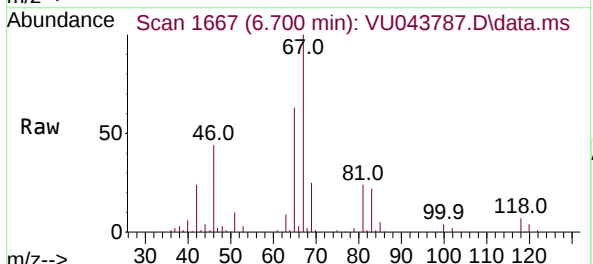
RT: 6.700 min Scan# 1667

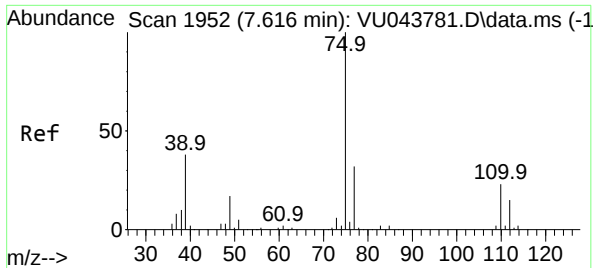
Delta R.T. -0.100 min

Lab File: VU043787.D

Acq: 17 May 2021 13:00

Tgt Ion:	63	Resp:	8881
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.3	4.9#



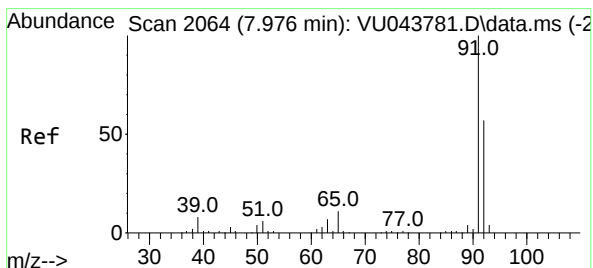
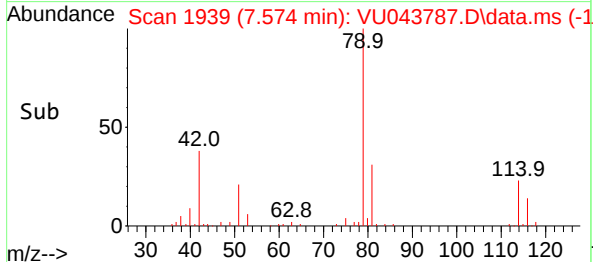
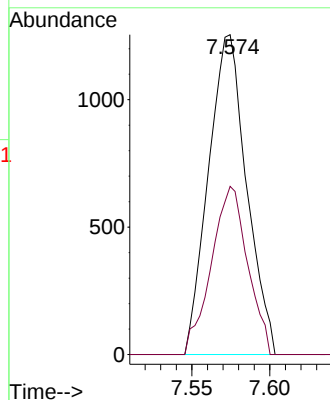
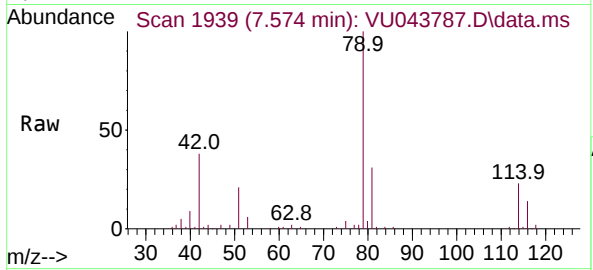


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

Instrument :
MSVOA_U
ClientSampled :

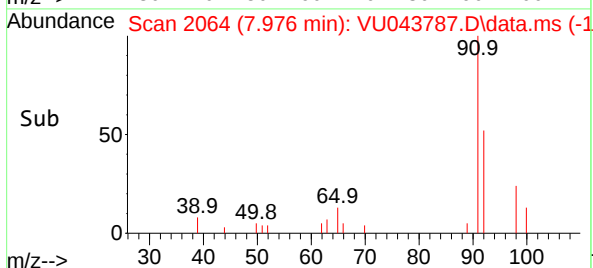
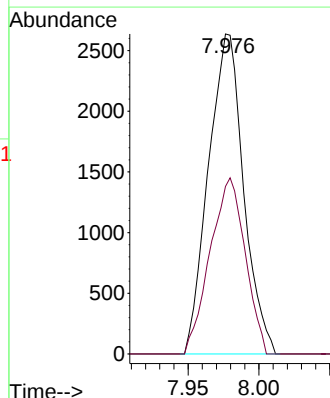
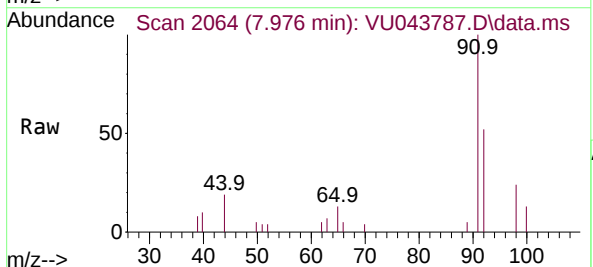
Tgt Ion: 75 Resp: 2131
Ion Ratio Lower Upper
75 100
77 52.6 22.5 41.7#

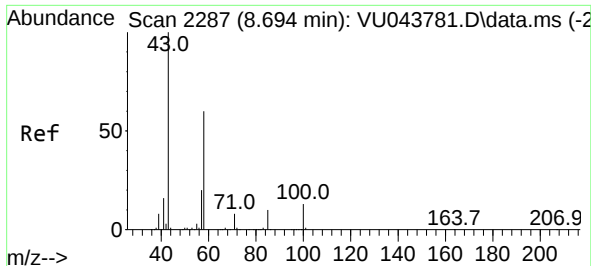


#42

Toluene
Concen: 0.06 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

Tgt Ion: 91 Resp: 4547
Ion Ratio Lower Upper
91 100
92 52.3 40.3 74.8

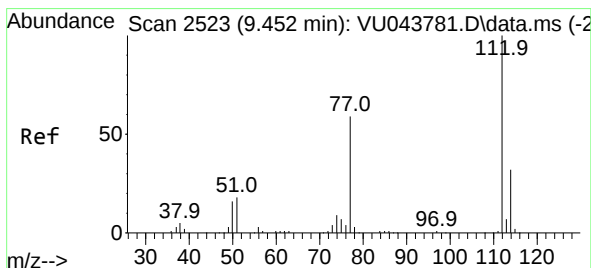
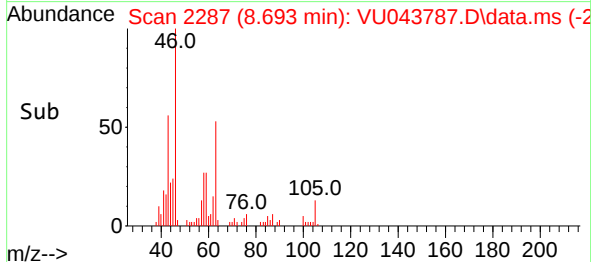
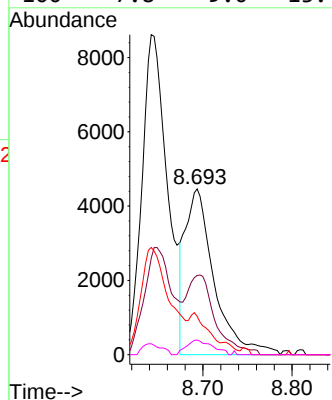
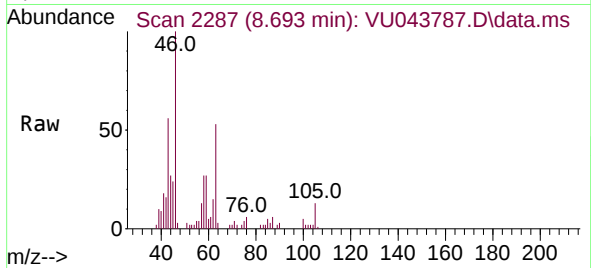




#48
2-Hexanone
Concen: 1.22 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

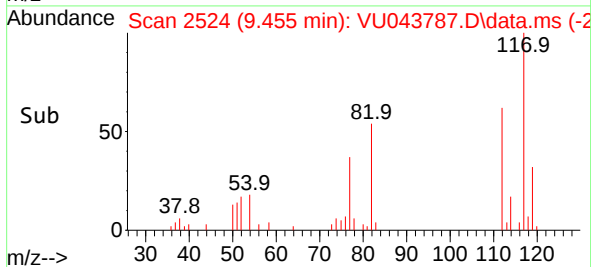
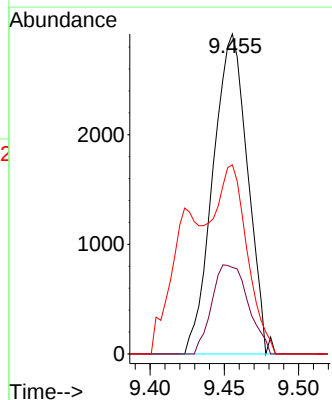
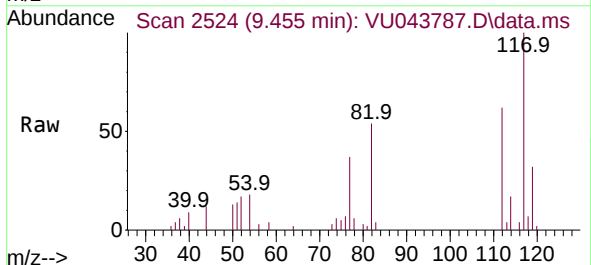
Instrument :
MSVOA_U
ClientSampleId :

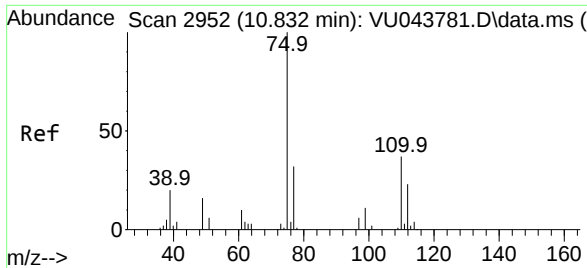
Tgt Ion: 43	Resp: 10106
Ion Ratio	Lower Upper
43 100	
58 46.1	47.0 70.4#
57 18.2	15.8 23.8
100 7.8	9.0 13.4#



#51
Chlorobenzene
Concen: 0.11 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. 0.003 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

Tgt Ion: 112	Resp: 4731
Ion Ratio	Lower Upper
112 100	
114 27.1	22.3 41.5
77 59.1	47.8 71.8

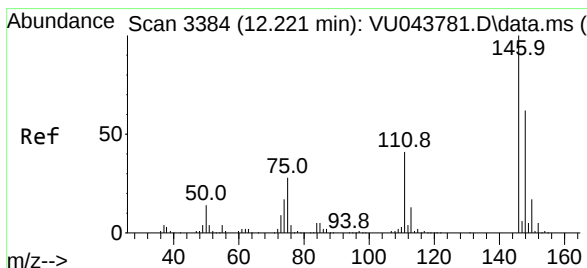
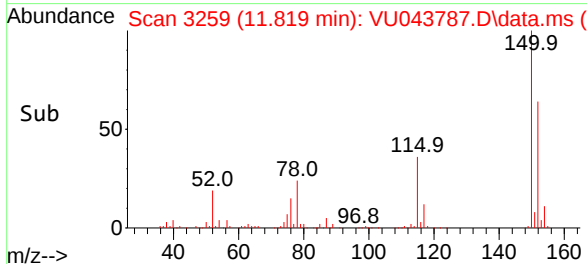
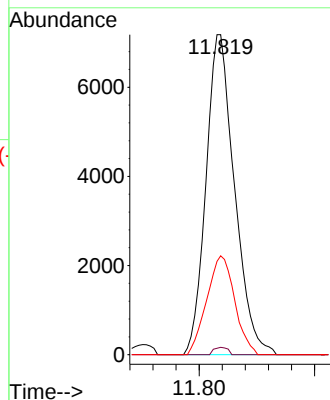
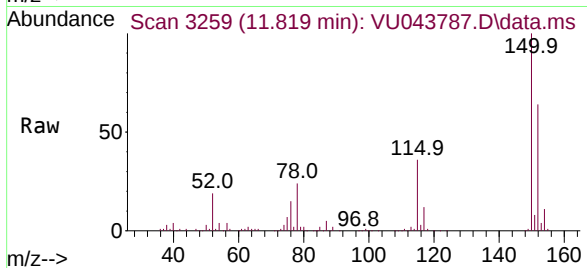




#61
1,2,3-Trichloropropane
Concen: 1.20 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.990 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

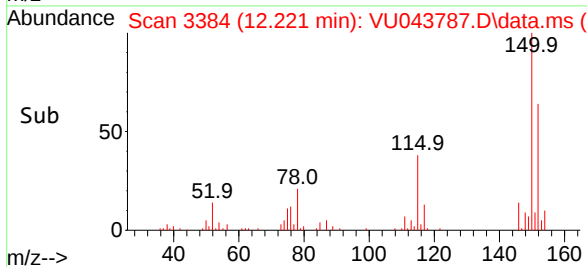
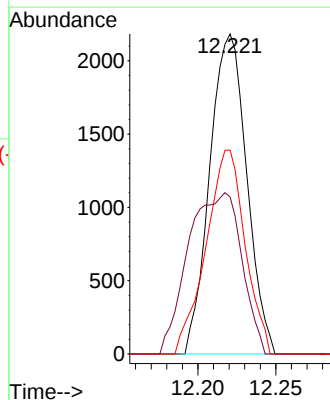
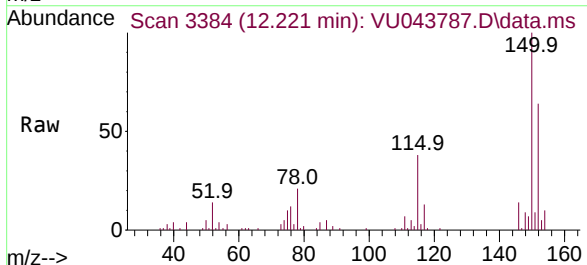
Instrument :
MSVOA_U
ClientSampled :

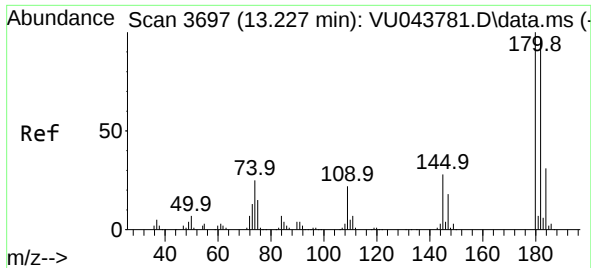
Tgt Ion: 75 Resp: 12311
Ion Ratio Lower Upper
75 100
110 1.1 27.9 41.9#
77 30.2 25.9 38.9



#67
1,2-Dichlorobenzene
Concen: 0.12 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

Tgt Ion: 146 Resp: 3604
Ion Ratio Lower Upper
146 100
111 49.1 33.6 50.4
148 63.7 50.2 75.2

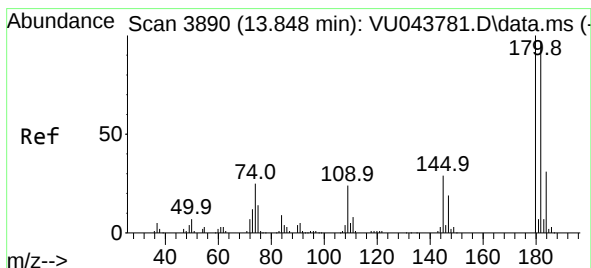
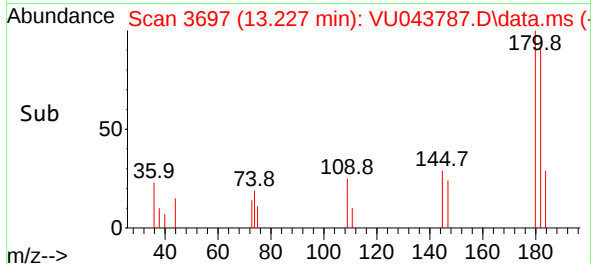
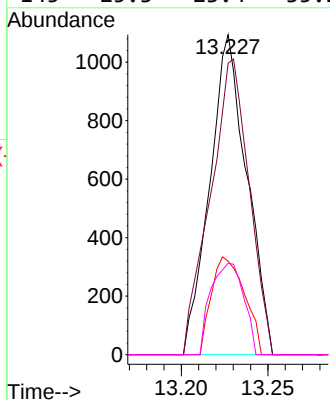
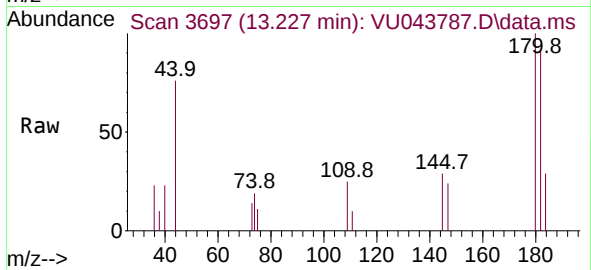




#69
1,3,5-Trichlorobenzene
Concen: 0.07 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. -0.000 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

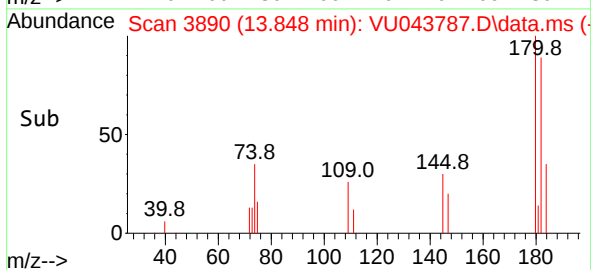
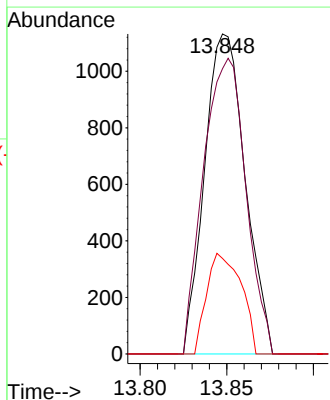
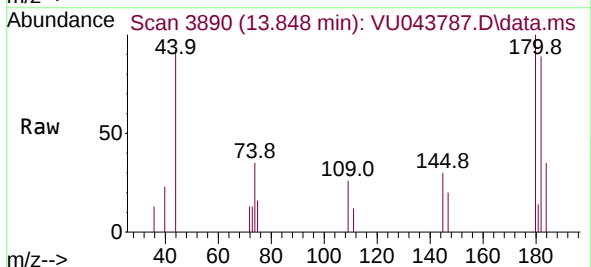
Instrument :
MSVOA_U
ClientSampleId :

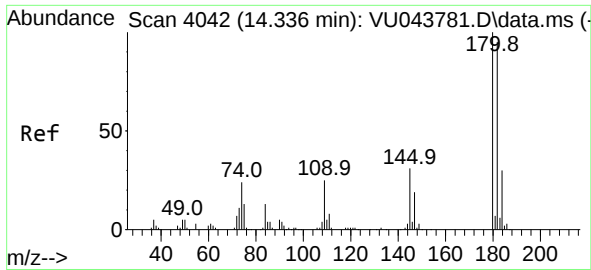
Tgt Ion:	180	Resp:	1627
Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.2	117.2
184	27.4	24.8	37.2
145	25.3	23.4	35.2



#70
1,2,4-trichlorobenzene
Concen: 0.09 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043787.D
Acq: 17 May 2021 13:00

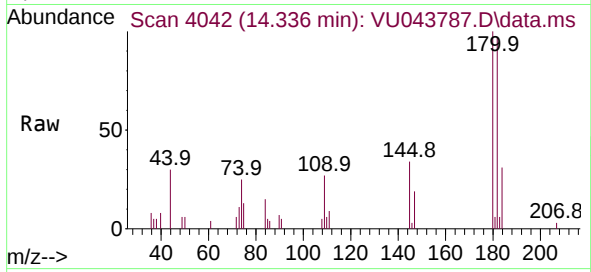
Tgt Ion:	180	Resp:	1844
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
145	26.6	23.0	34.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.31 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.000 min
 Lab File: VU043787.D
 Acq: 17 May 2021 13:00

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	5778
Ion	Ratio	Lower	Upper
180	100		
182	102.6	77.0	115.4
145	29.5	24.6	36.8

