

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051321\
 Data File : VU043706.D
 Acq On : 13 May 2021 15:34
 Operator : SY/MD
 Sample : M2376-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:50:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 14 01:48:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	91195	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	91210	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	40239	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	23688	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.919	69	21701	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.575	65	12273	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.639	46	150807	66.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.48%#
24) Chloroform-d	5.073	84	62774	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.713	65	39901	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.735	84	107112	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.700	67	41874	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.906	98	84863	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloroprop...	8.185	79	14835	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.642	63	98755	67.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.92%#
56) 1,1,2,2-Tetrachloroeth...	10.761	84	36413	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
66) 1,2-Dichlorobenzene-d4	12.201	152	34121	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.362	85	25720	4.17	ug/L	100
3) Chloromethane	1.523	50	822	0.13	ug/L	88
5) Vinyl chloride	1.607	62	3071	0.50	ug/L #	25
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	172389	29.04	ug/L	99
12) 1,1-Dichloroethene	2.591	96	940	0.18	ug/L #	1
13) Acetone	2.649	43	11860	7.81	ug/L	94
18) trans-1,2-Dichloroethene	3.362	96	13602	2.56	ug/L	99
19) 1,1-Dichloroethane	3.883	63	17435	1.38	ug/L	99
22) cis-1,2-Dichloroethene	4.677	96	168479	26.97	ug/L	98
25) Chloroform	5.092	83	1917	0.14	ug/L #	69
29) 1,1,1-Trichloroethane	5.324	97	18440	1.72	ug/L	97
31) Carbon tetrachloride	5.324	117	2248	0.26	ug/L	98
34) Trichloroethene	6.549	95	74144	12.09	ug/L	95
35) Methylcyclohexane	6.700	83	9013	1.14	ug/L #	12
37) 1,2-Dichloropropane	6.697	63	5026	0.70	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1049	0.11	ug/L #	73
42) Toluene	7.973	91	1990	0.08	ug/L	82
45) 1,1,2-Trichloroethane	8.562	97	1489	0.30	ug/L #	1
47) Tetrachloroethene	8.558	164	147661	32.67	ug/L	97

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ALS Vial : 14 Sample Multiplier: 1

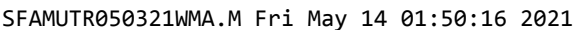
Instrument :
MSVOA_U
ClientSampleId :

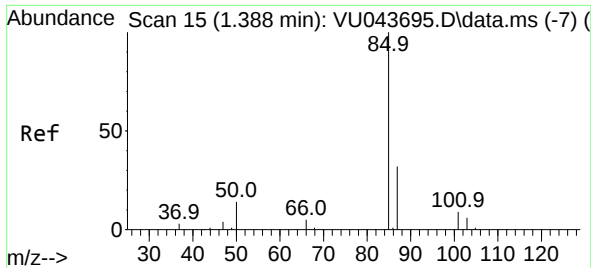
Quant Time: May 14 01:50:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri May 14 01:48:16 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.690	43	3773	0.87	ug/L #	87
49) Dibromochloromethane	8.558	129	144708	24.15	ug/L #	12
61) 1,2,3-Trichloropropane	11.819	75	5882	1.44	ug/L #	69

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

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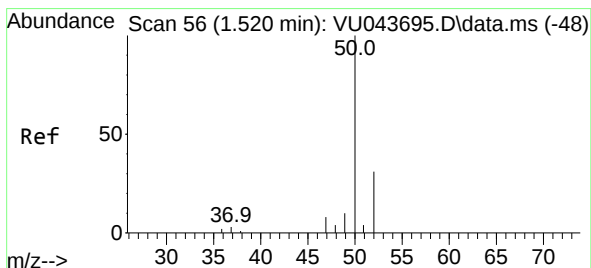
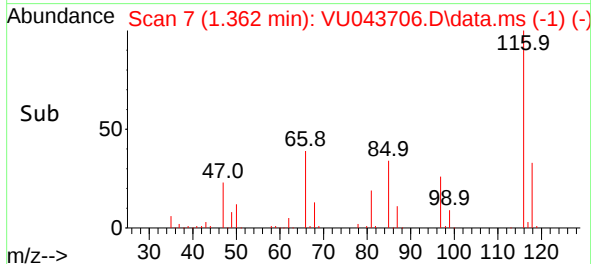
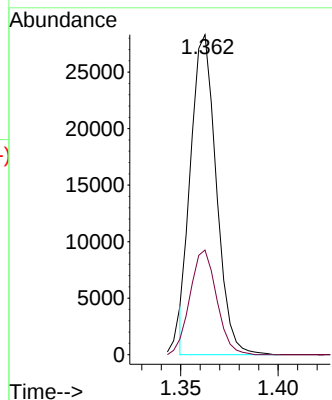
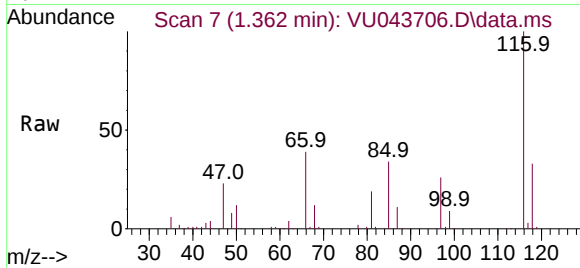




#2
Dichlorodifluoromethane
Concen: 4.17 ug/L
RT: 1.362 min Scan# 7
Delta R.T. -0.026 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

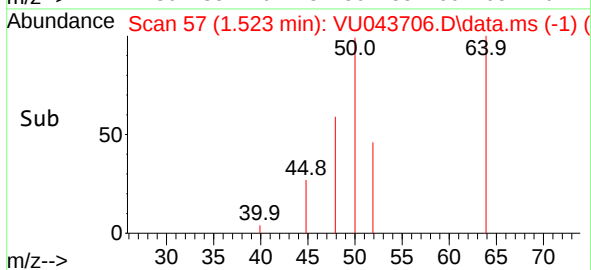
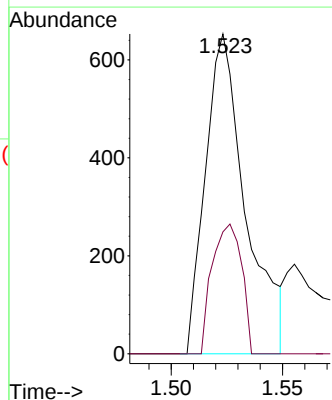
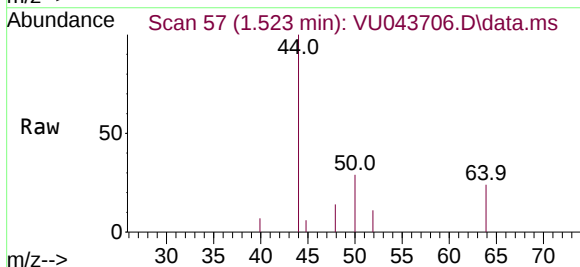
Instrument :
MSVOA_U
ClientSampled :

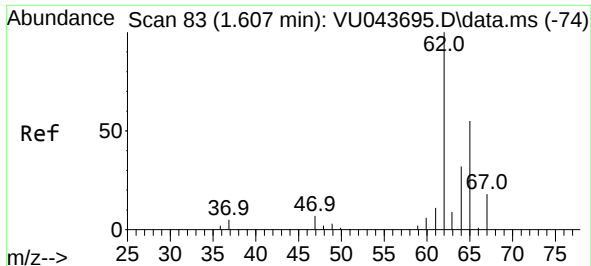
Tgt Ion: 85 Resp: 25720
Ion Ratio Lower Upper
85 100
87 32.9 26.6 39.8



#3
Chloromethane
Concen: 0.13 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Tgt Ion: 50 Resp: 822
Ion Ratio Lower Upper
50 100
52 38.1 22.1 41.1

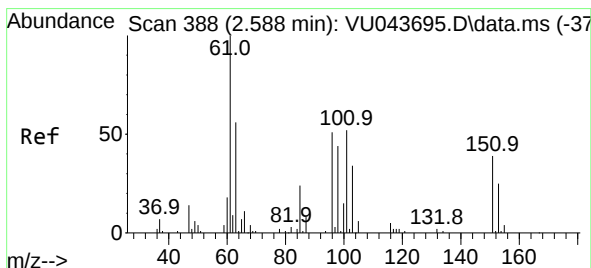
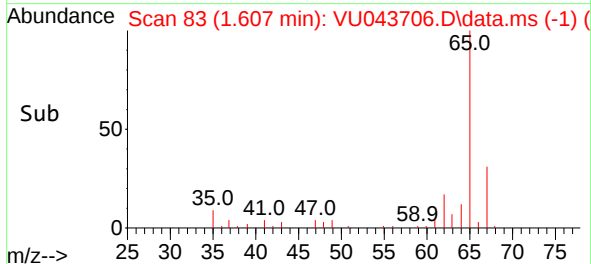
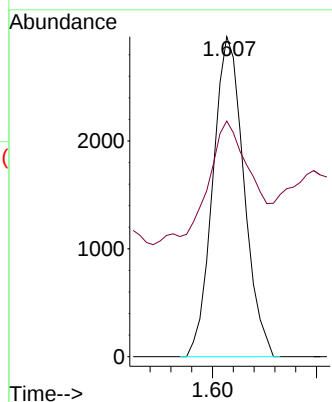
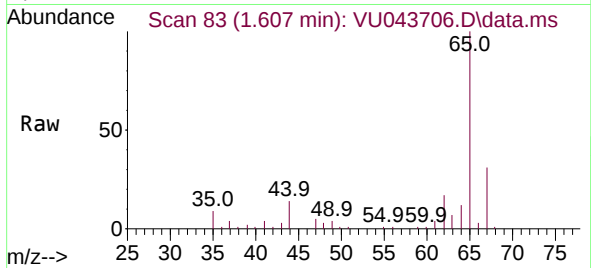




#5
 Vinyl chloride
 Concen: 0.50 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043706.D
 Acq: 13 May 2021 15:34

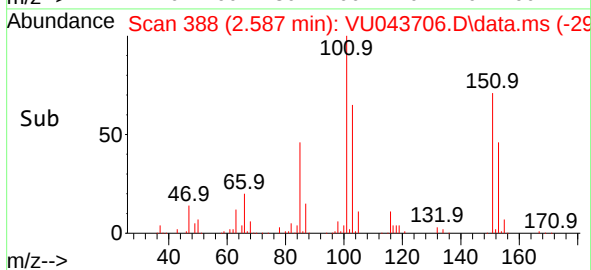
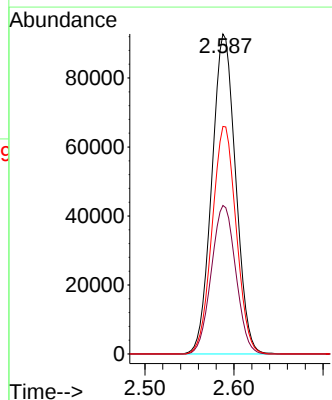
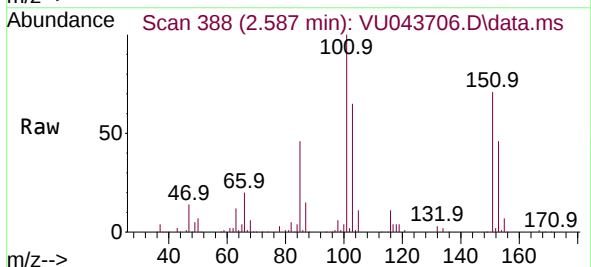
Instrument :
 MSVOA_U
 ClientSampled :

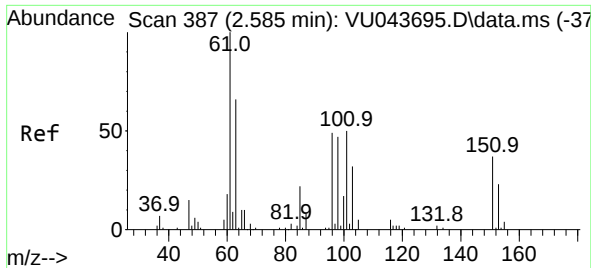
Tgt Ion: 62 Resp: 3071
 Ion Ratio Lower Upper
 62 100
 64 73.6 22.3 41.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 29.04 ug/L
 RT: 2.587 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU043706.D
 Acq: 13 May 2021 15:34

Tgt Ion: 101 Resp: 172389
 Ion Ratio Lower Upper
 101 100
 85 47.6 38.5 57.7
 151 71.9 58.5 87.7

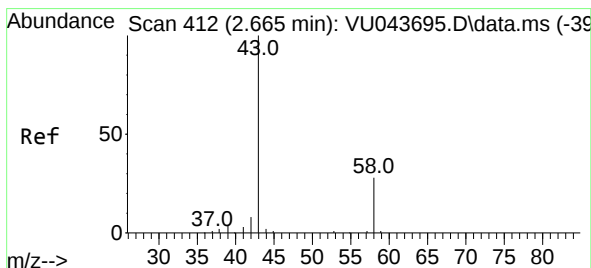
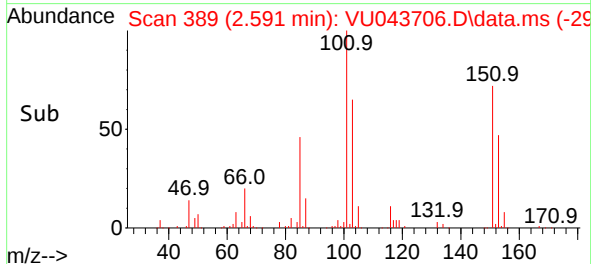
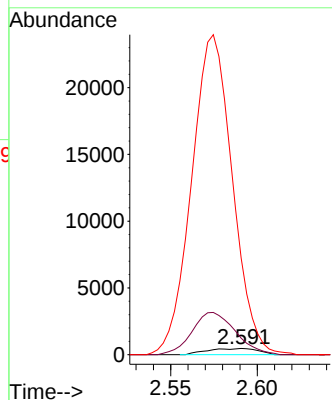
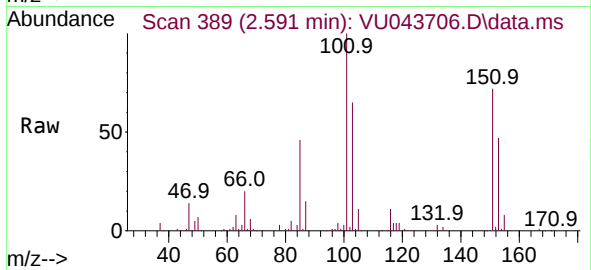




#12
1,1-Dichloroethene
Concen: 0.18 ug/L
RT: 2.591 min Scan# 389
Delta R.T. 0.006 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

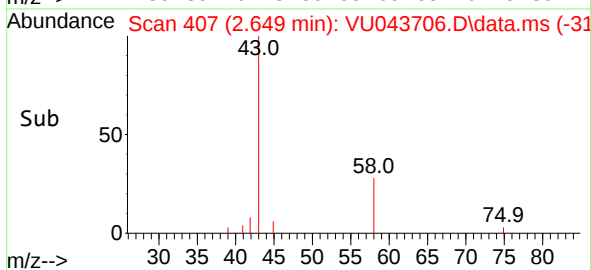
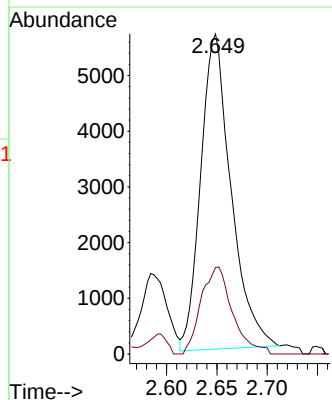
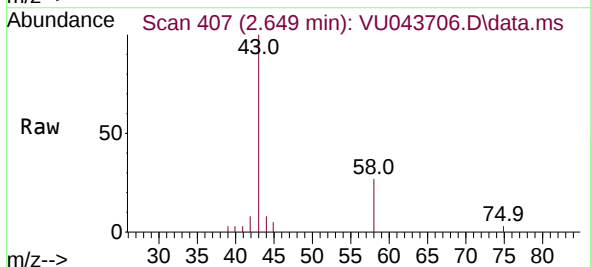
Instrument :
MSVOA_U
ClientSampled :

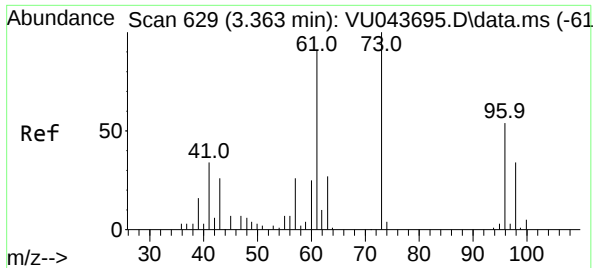
Tgt Ion: 96 Resp: 940
Ion Ratio Lower Upper
96 100
61 264.8 141.2 262.2#
63 1552.4 111.1 206.3#



#13
Acetone
Concen: 7.81 ug/L
RT: 2.649 min Scan# 407
Delta R.T. -0.016 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

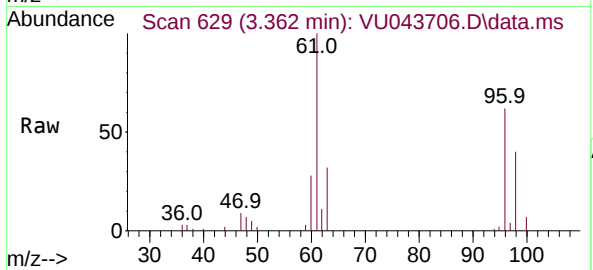
Tgt Ion: 43 Resp: 11860
Ion Ratio Lower Upper
43 100
58 28.5 0.0 50.8



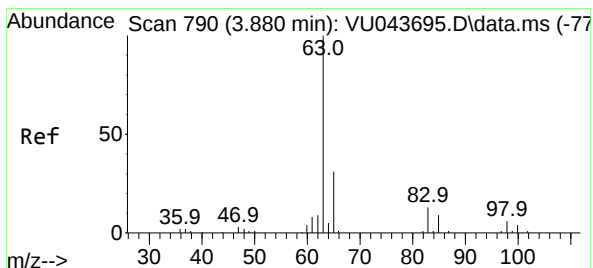
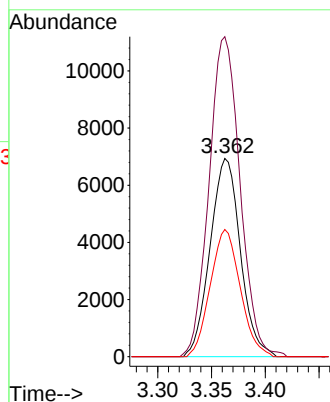
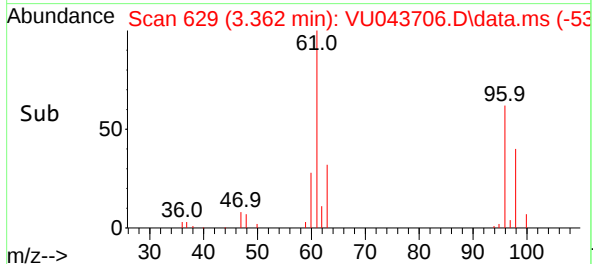


#18
trans-1,2-Dichloroethene
Concen: 2.56 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

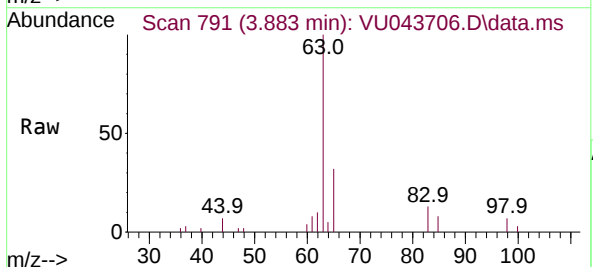
Instrument :
MSVOA_U
ClientSampleId :



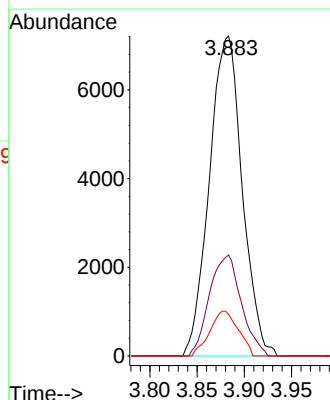
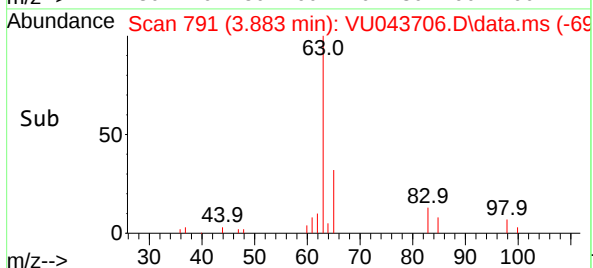
Tgt Ion:	96	Resp:	13602
Ion	Ratio	Lower	Upper
96	100		
61	161.4	113.5	210.9
98	64.1	45.4	84.2

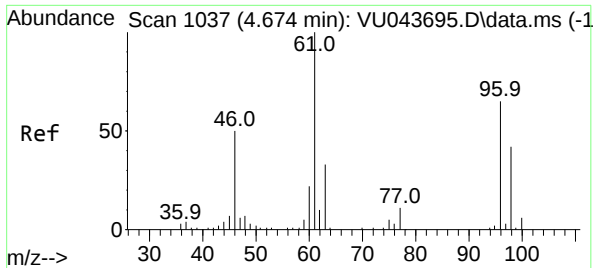


#19
1,1-Dichloroethane
Concen: 1.38 ug/L
RT: 3.883 min Scan# 791
Delta R.T. 0.003 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34



Tgt Ion:	63	Resp:	17435
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.7	42.1
83	13.1	9.4	17.4





#22

cis-1,2-Dichloroethene

Concen: 26.97 ug/L

RT: 4.677 min Scan# 1038

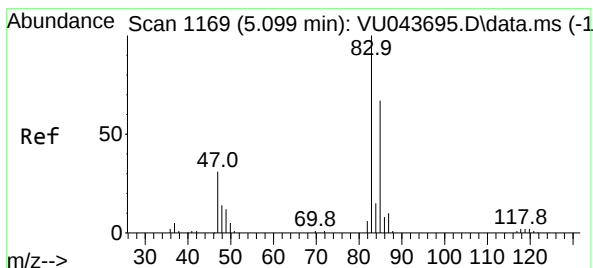
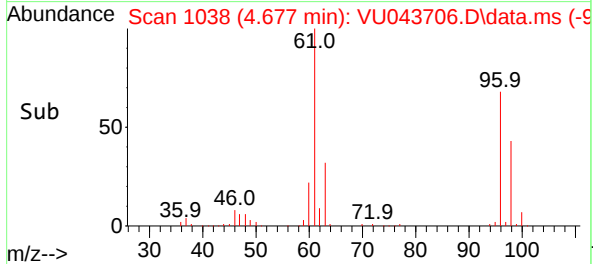
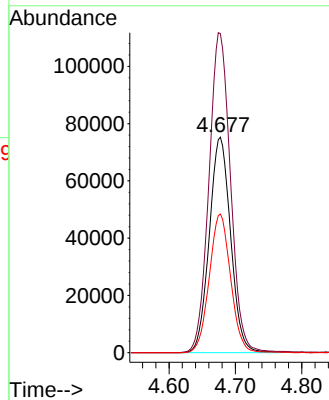
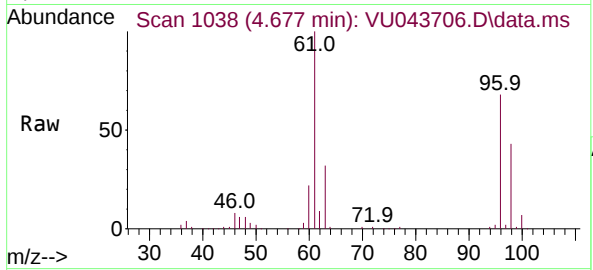
Delta R.T. 0.003 min

Lab File: VU043706.D

Acq: 13 May 2021 15:34

Tgt Ion: 96 Resp: 168479

Ion	Ratio	Lower	Upper
96	100		
61	148.0	102.8	190.8
98	64.3	42.8	79.6



#25

Chloroform

Concen: 0.14 ug/L

RT: 5.092 min Scan# 1167

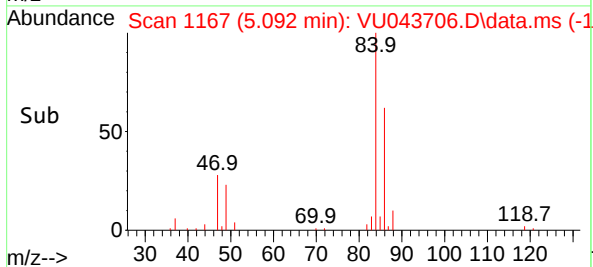
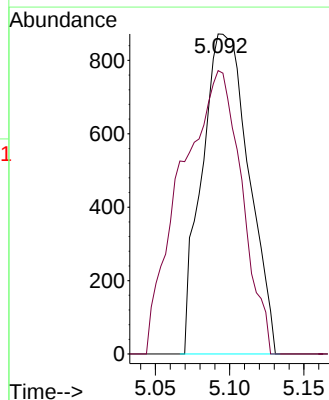
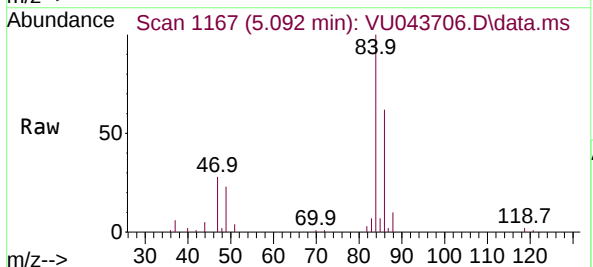
Delta R.T. -0.007 min

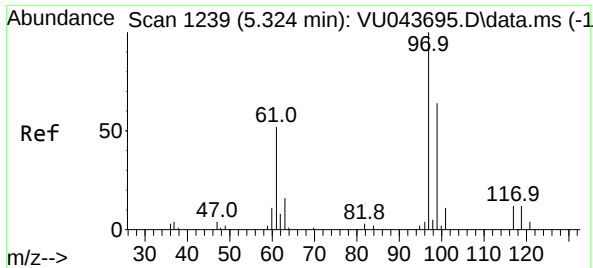
Lab File: VU043706.D

Acq: 13 May 2021 15:34

Tgt Ion: 83 Resp: 1917

Ion	Ratio	Lower	Upper
83	100		
85	88.5	45.1	83.9#





#29

1,1,1-Trichloroethane

Concen: 1.72 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VU043706.D

Acq: 13 May 2021 15:34

Tgt Ion: 97 Resp: 18440

Ion Ratio Lower Upper

97 100

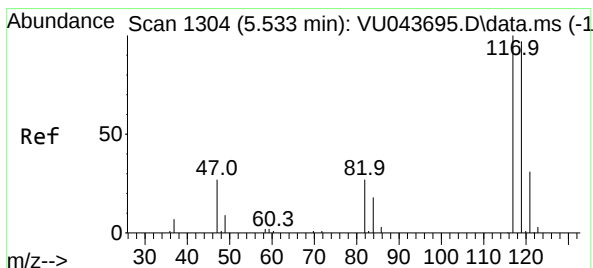
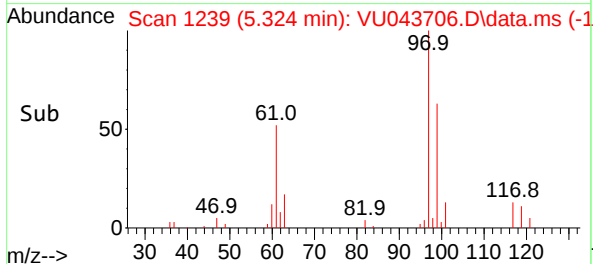
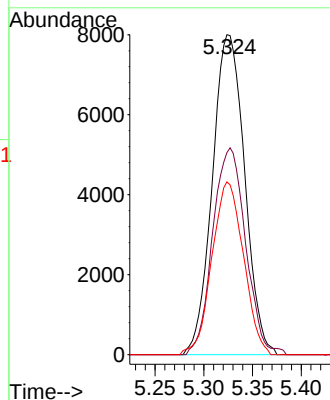
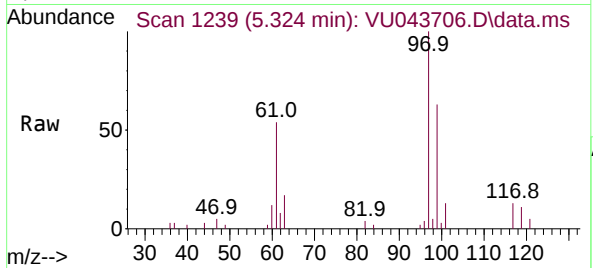
99 65.8 51.8 77.6

61 52.7 39.8 59.8

Instrument :

MSVOA_U

ClientSampled :



#31

Carbon tetrachloride

Concen: 0.26 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.209 min

Lab File: VU043706.D

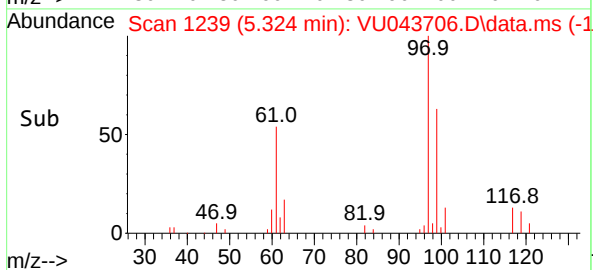
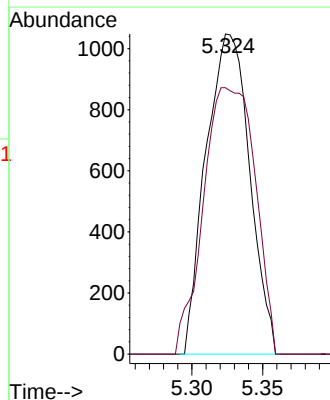
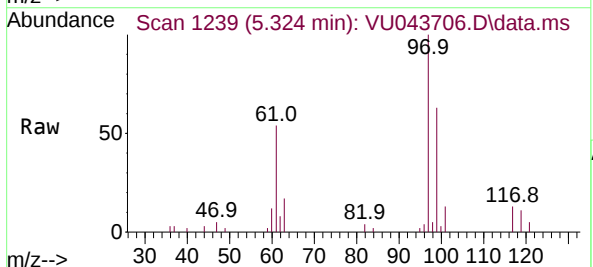
Acq: 13 May 2021 15:34

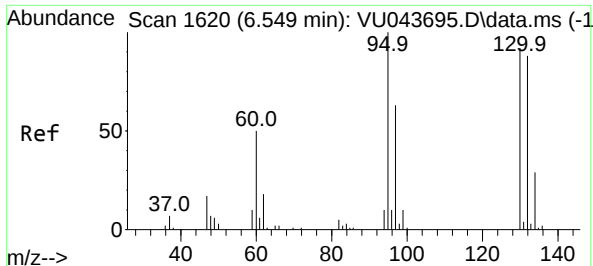
Tgt Ion: 117 Resp: 2248

Ion Ratio Lower Upper

117 100

119 98.6 77.0 115.6



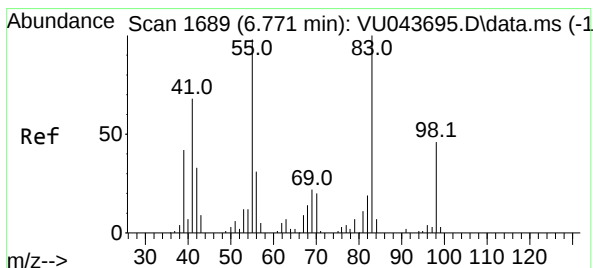
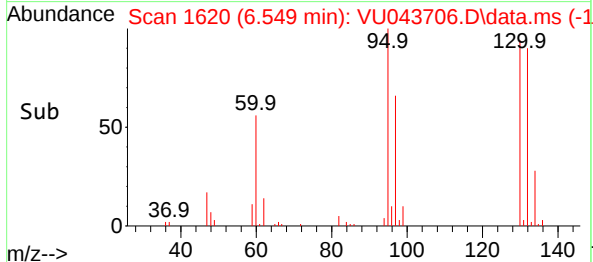
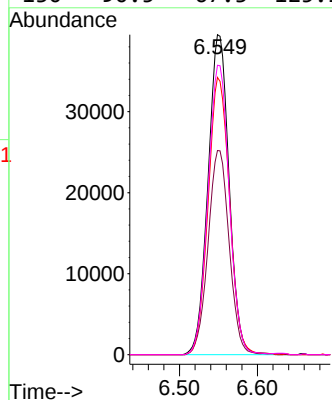
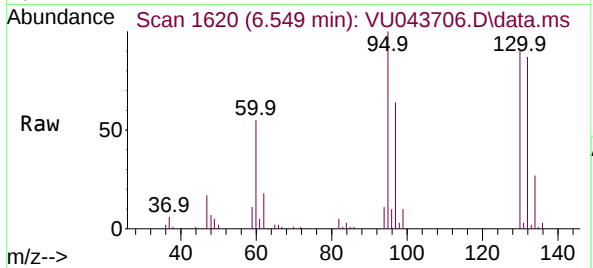


#34
Trichloroethene
Concen: 12.09 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 74144

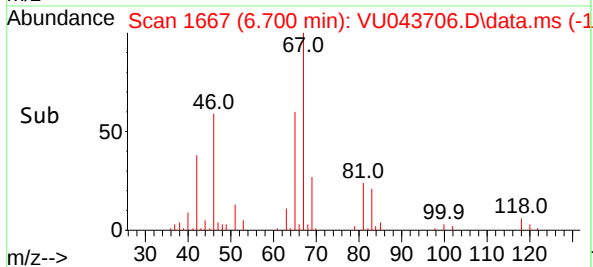
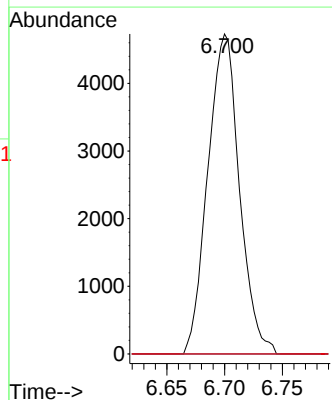
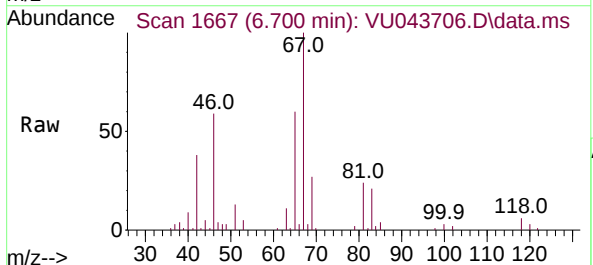
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.5	86.5
132	86.6	64.1	119.1
130	90.5	67.3	125.1

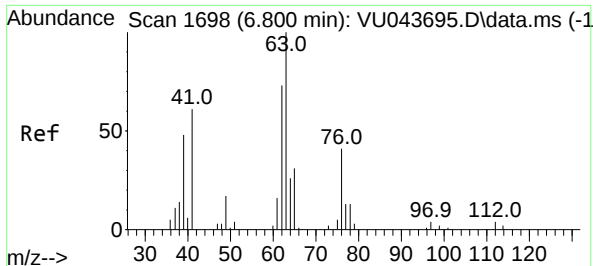


#35
Methylcyclohexane
Concen: 1.14 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Tgt Ion: 83 Resp: 9013

Ion	Ratio	Lower	Upper
83	100		
55	0.0	75.8	113.8#
98	0.0	35.5	53.3#

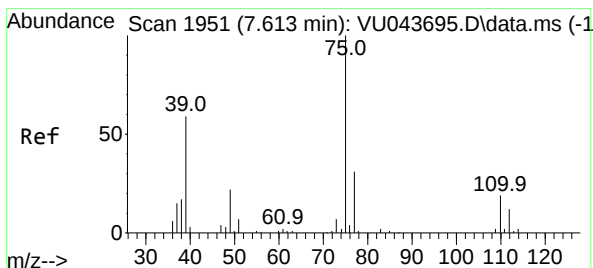
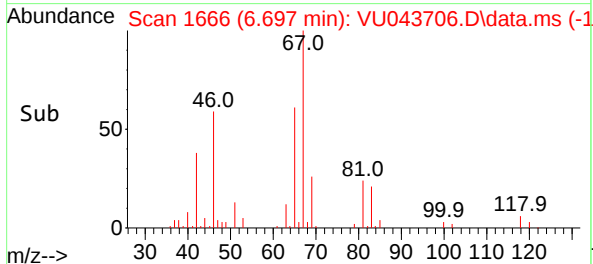
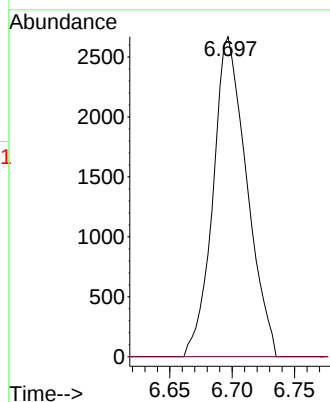
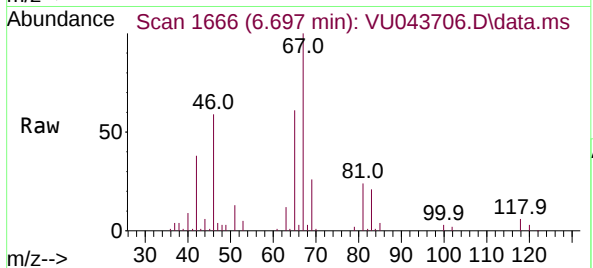




#37
1,2-Dichloropropane
Concen: 0.70 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

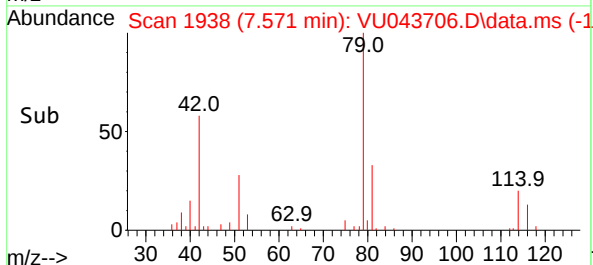
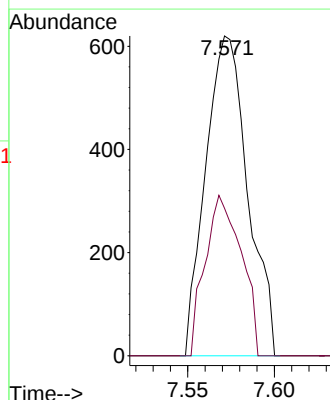
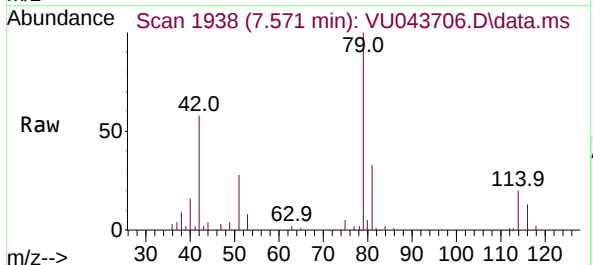
Instrument :
MSVOA_U
ClientSampled :

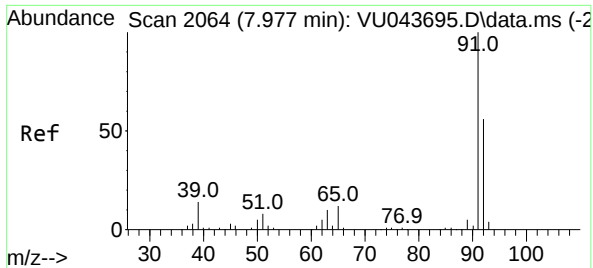
Tgt Ion: 63 Resp: 5026
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Tgt Ion: 75 Resp: 1049
Ion Ratio Lower Upper
75 100
77 46.1 21.9 40.7#

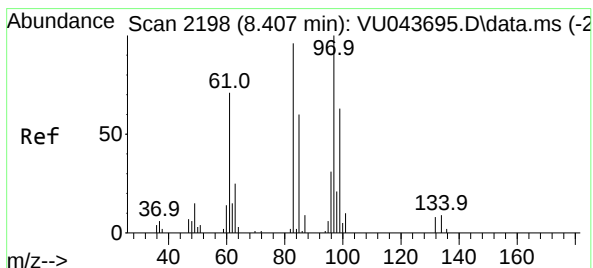
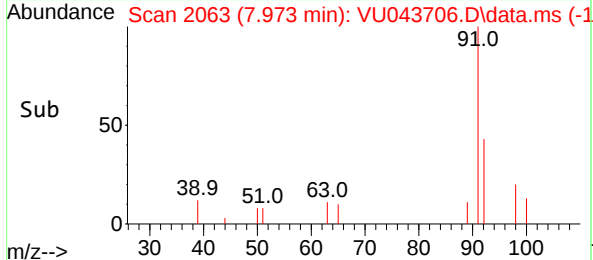
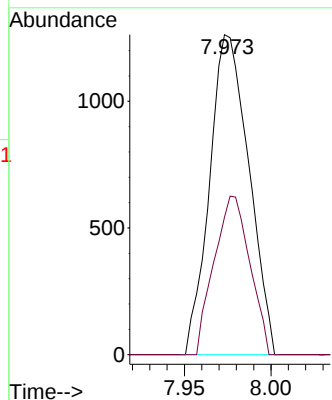
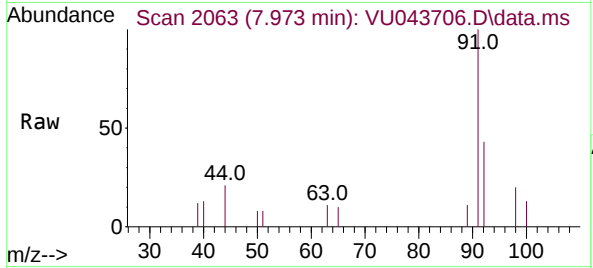




#42
Toluene
Concen: 0.08 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

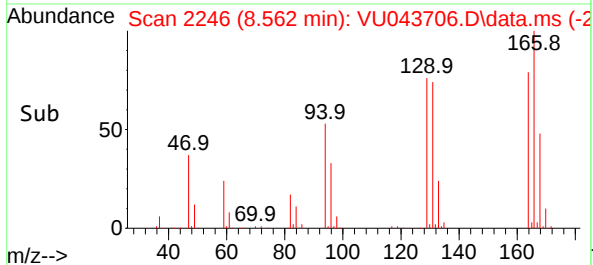
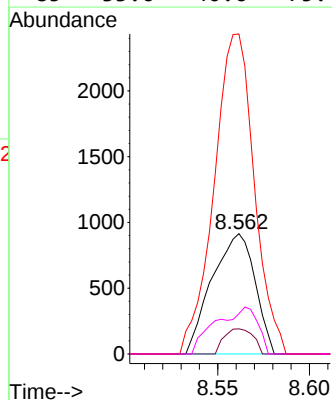
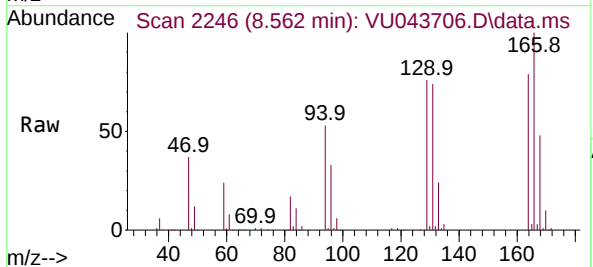
Instrument :
MSVOA_U
ClientSampled :

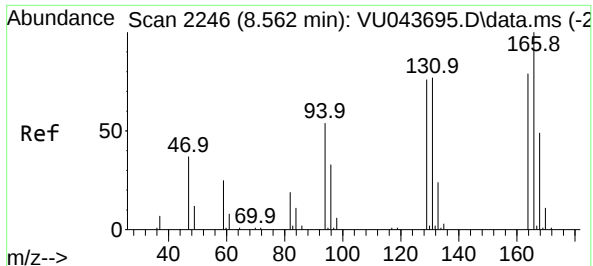
Tgt Ion: 91 Resp: 1990
Ion Ratio Lower Upper
91 100
92 43.0 39.1 72.5



#45
1,1,2-Trichloroethane
Concen: 0.30 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.154 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Tgt Ion: 97 Resp: 1489
Ion Ratio Lower Upper
97 100
99 20.9 42.6 79.0#
83 265.9 64.1 119.1#
85 33.6 40.6 75.4#

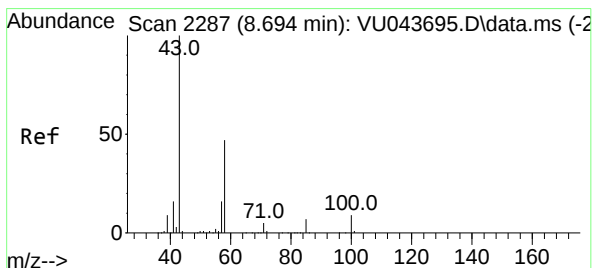
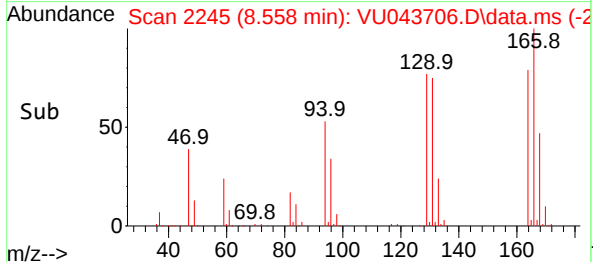
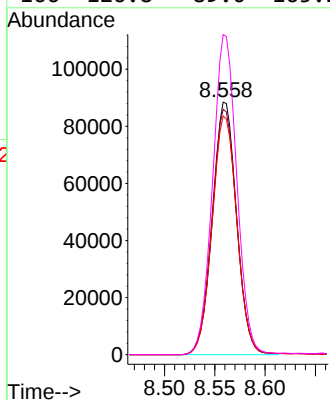
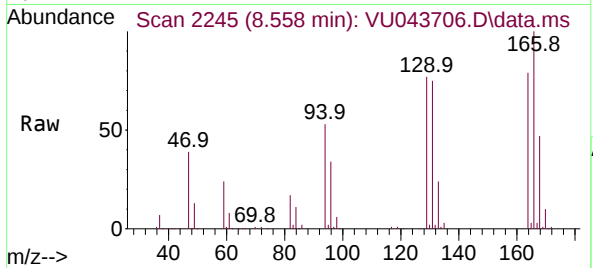




#47
Tetrachloroethene
Concen: 32.67 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

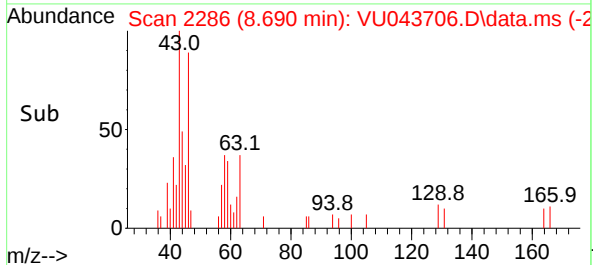
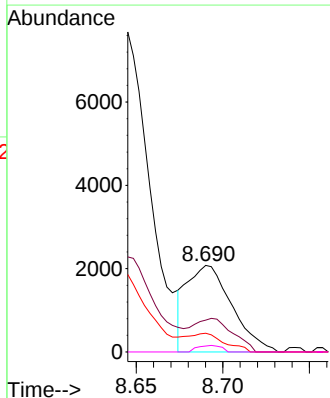
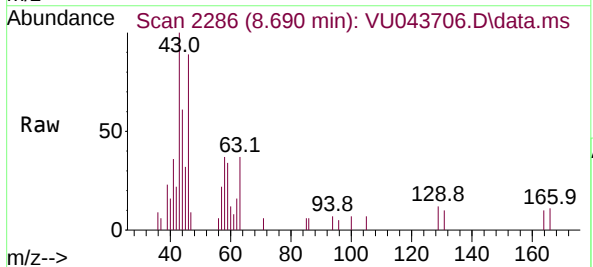
Instrument :
MSVOA_U
ClientSampleId :

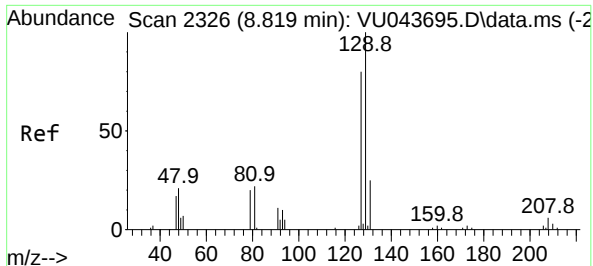
Tgt Ion:164 Resp: 147661
Ion Ratio Lower Upper
164 100
129 97.2 62.5 116.1
131 94.6 64.9 120.5
166 126.8 89.0 165.2



#48
2-Hexanone
Concen: 0.87 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.003 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Tgt Ion: 43 Resp: 3773
Ion Ratio Lower Upper
43 100
58 34.6 36.8 55.2#
57 16.4 13.2 19.8
100 4.0 6.5 9.7#

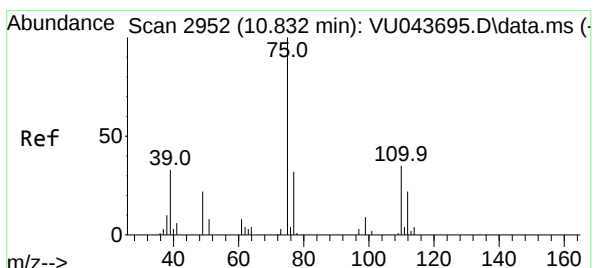
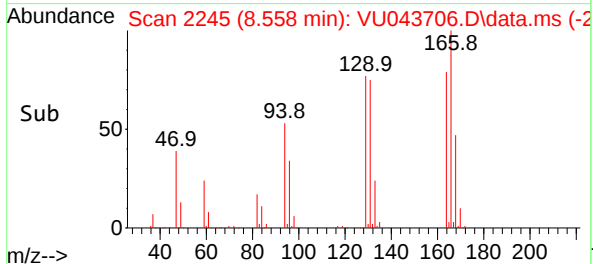
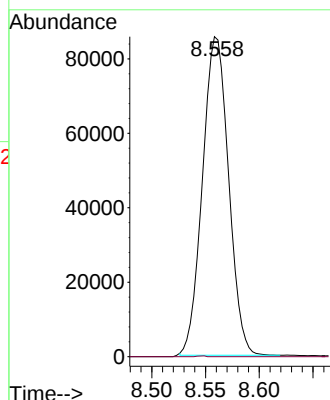
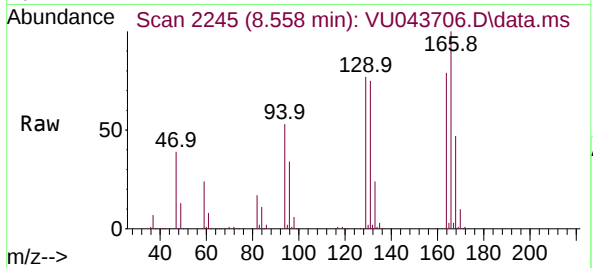




#49
Dibromochloromethane
Concen: 24.15 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.261 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 144708
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.4#



#61
1,2,3-Trichloropropane
Concen: 1.44 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU043706.D
Acq: 13 May 2021 15:34

Tgt Ion: 75 Resp: 5882
Ion Ratio Lower Upper
75 100
110 2.3 28.6 42.8#
77 31.3 25.7 38.5

