

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041521\
 Data File : VU043118.D
 Acq On : 15 Apr 2021 14:08
 Operator : SY/MD
 Sample : M1986-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 16 05:35:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR041521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 16 05:01:39 2021
 Response via : Initial Calibration

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

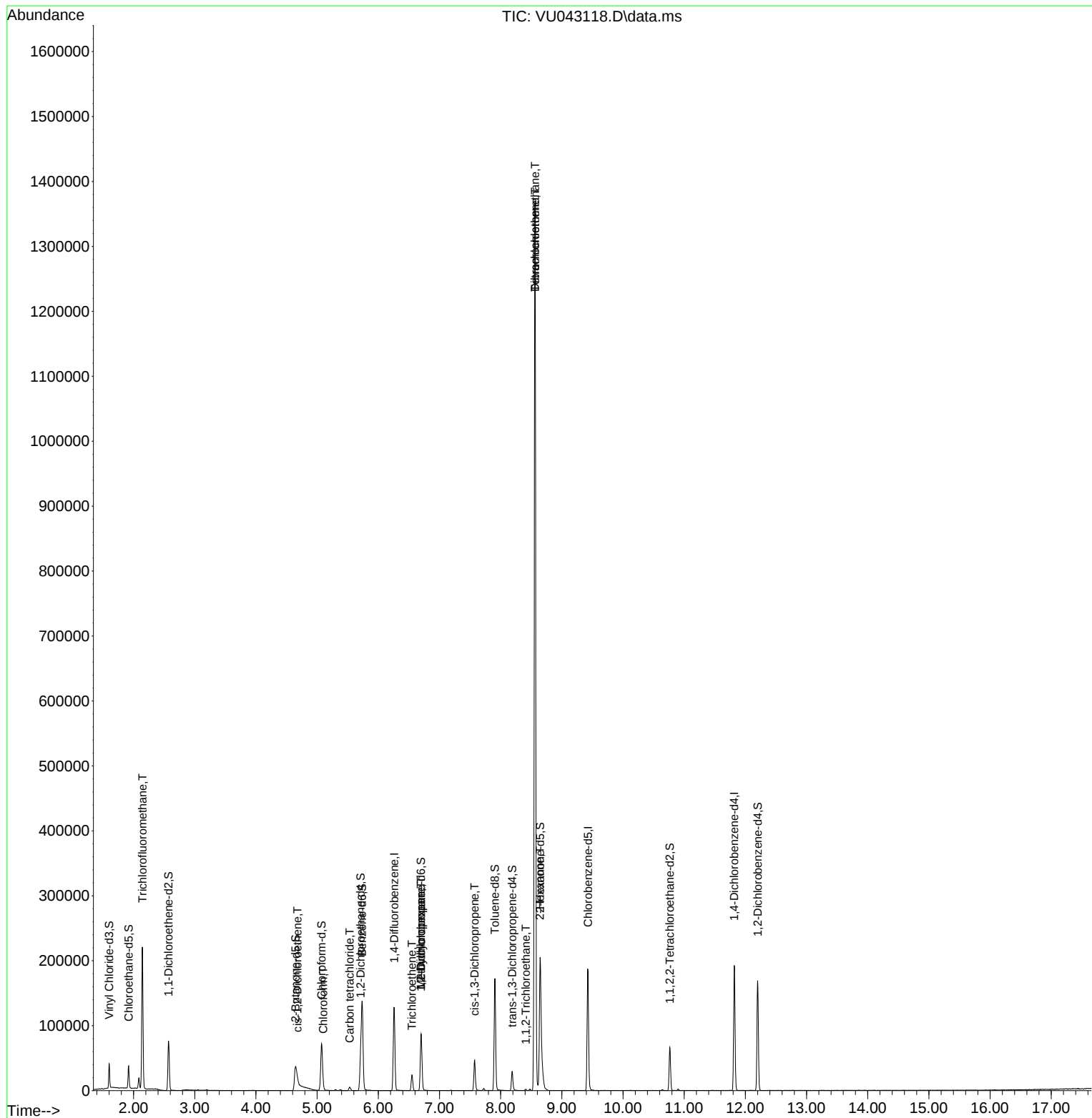
Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	96869	5.00	ug/L	# 0.00
28) Chlorobenzene-d5	9.427	117	94596	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	48519	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	24501	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.919	69	22481	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.572	65	14819	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	4.649	46	84093	38.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.84%
24) Chloroform-d	5.073	84	61604	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.713	65	38849	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.735	84	111794	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.700	67	37165	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.906	98	105854	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloroprop...	8.189	79	15902	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.645	63	83091	51.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.30%
56) 1,1,2,2-Tetrachloroeth...	10.767	84	30950	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
66) 1,2-Dichlorobenzene-d4	12.201	152	41143	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.144	101	134014	11.30	ug/L	100
22) cis-1,2-Dichloroethene	4.678	96	2169	0.32	ug/L	96
25) Chloroform	5.099	83	3370	0.25	ug/L	93
31) Carbon tetrachloride	5.533	117	3488	0.36	ug/L	93
34) Trichloroethene	6.549	95	7762	1.11	ug/L	91
35) Methylcyclohexane	6.700	83	8331	0.86	ug/L #	24
37) 1,2-Dichloropropane	6.697	63	4719	0.66	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1114	0.11	ug/L #	56
45) 1,1,2-Trichloroethane	8.411	97	614	0.12	ug/L	80
47) Tetrachloroethene	8.562	164	284107	51.44	ug/L	97
48) 2-Hexanone	8.642	43	13228	2.82	ug/L #	58
49) Dibromochloromethane	8.562	129	258538	38.51	ug/L #	9

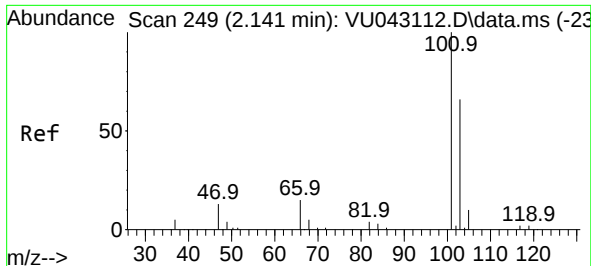
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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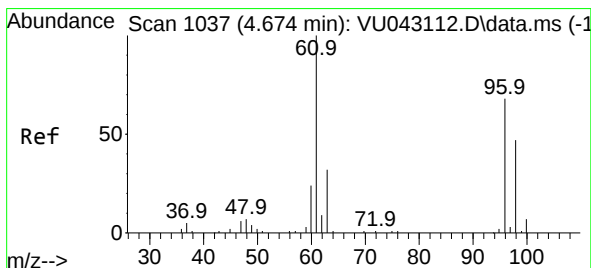
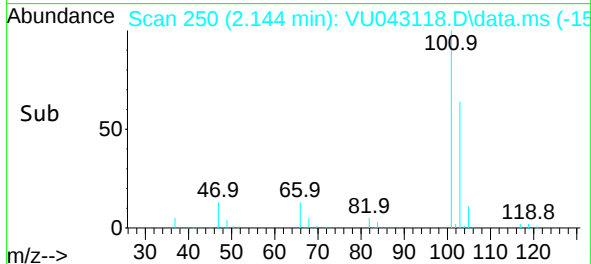
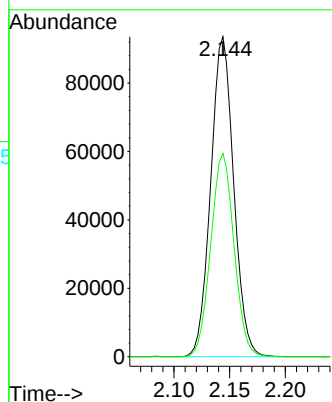
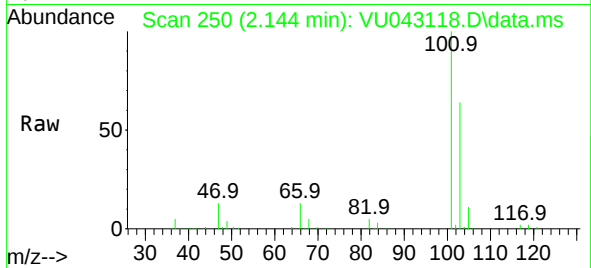




#9
Trichlorofluoromethane
Concen: 11.30 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.003 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

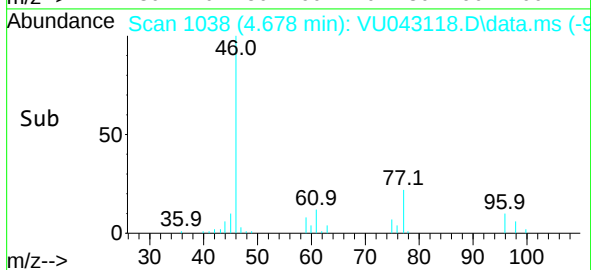
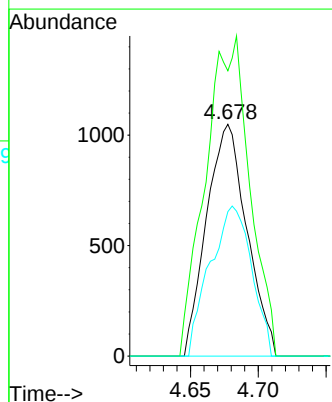
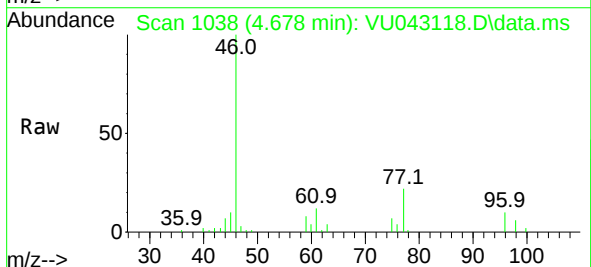
Instrument :
MSVOA_U
ClientSampled :

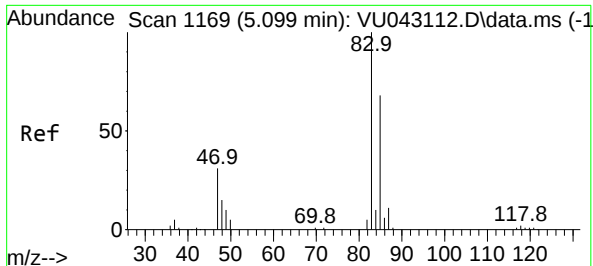
Tgt Ion:101 Resp: 134014
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3



#22
cis-1,2-Dichloroethene
Concen: 0.32 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

Tgt Ion: 96 Resp: 2169
Ion Ratio Lower Upper
96 100
61 123.1 87.4 162.4
98 62.3 47.7 88.5





#25

Chloroform

Concen: 0.25 ug/L

RT: 5.099 min Scan# 1169

Delta R.T. -0.000 min

Lab File: VU043118.D

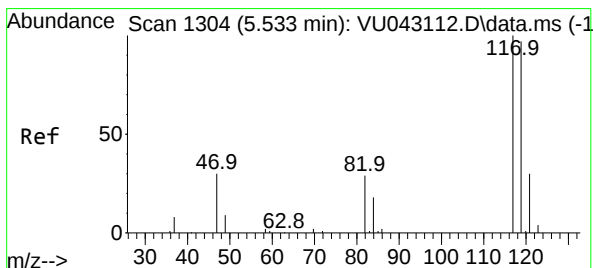
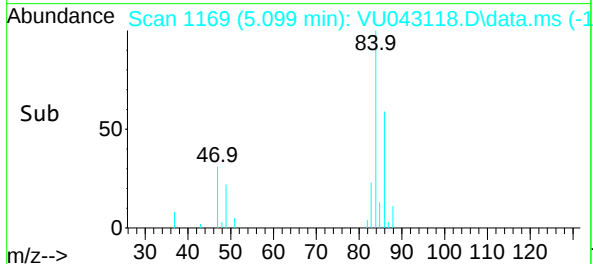
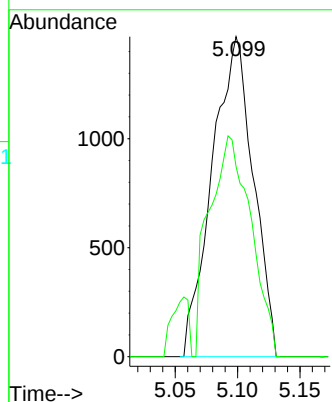
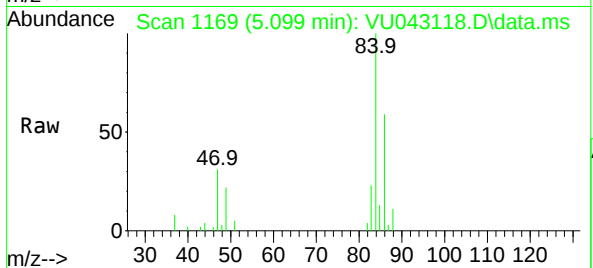
Acq: 15 Apr 2021 14:08

Tgt Ion: 83 Resp: 3370

Ion Ratio Lower Upper

83 100

85 59.5 45.6 84.8



#31

Carbon tetrachloride

Concen: 0.36 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VU043118.D

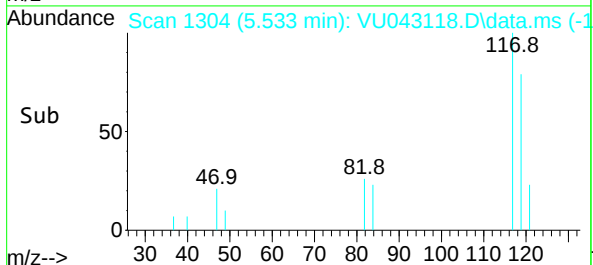
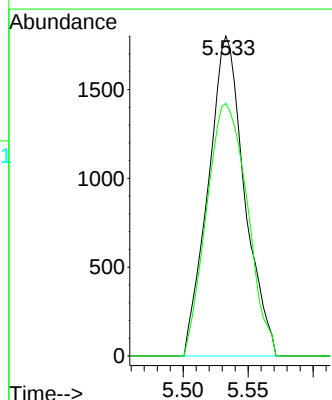
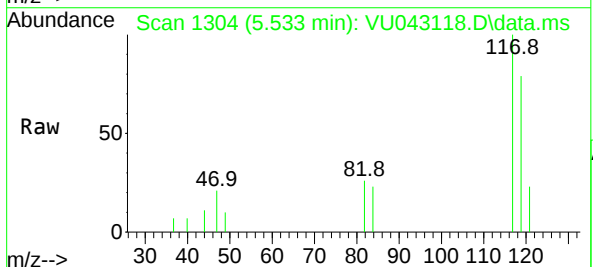
Acq: 15 Apr 2021 14:08

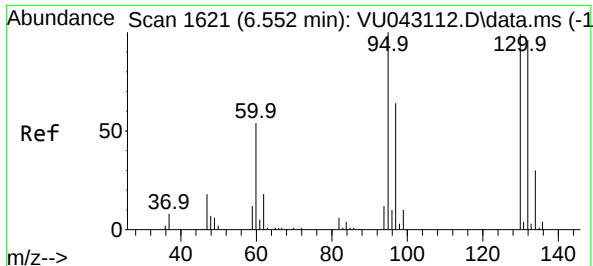
Tgt Ion: 117 Resp: 3488

Ion Ratio Lower Upper

117 100

119 88.8 76.2 114.4





#34

Trichloroethene

Concen: 1.11 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.003 min

Lab File: VU043118.D

Acq: 15 Apr 2021 14:08

Tgt Ion: 95 Resp: 7762

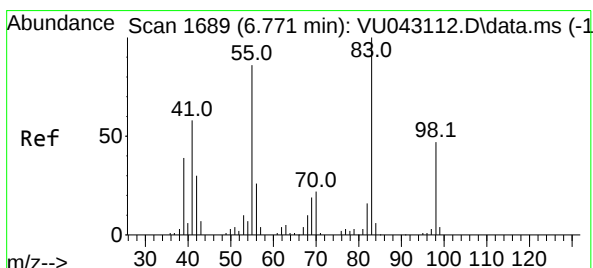
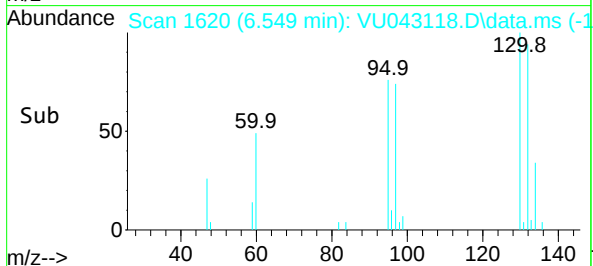
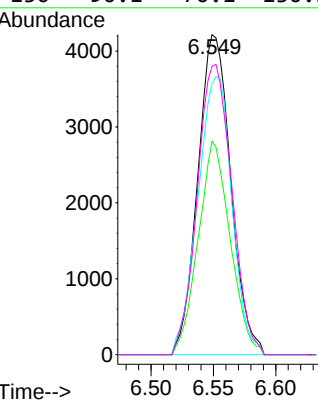
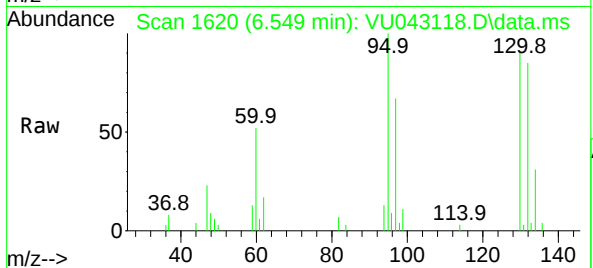
Ion Ratio Lower Upper

95 100

97 66.7 45.8 85.2

132 84.7 68.7 127.7

130 90.1 70.1 130.3



#35

Methylcyclohexane

Concen: 0.86 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU043118.D

Acq: 15 Apr 2021 14:08

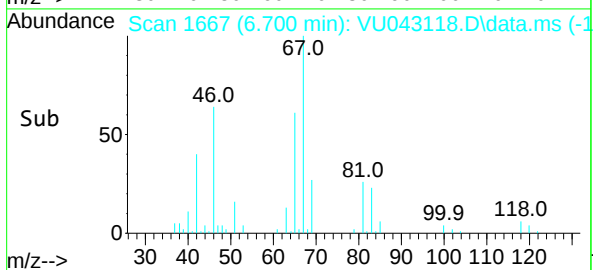
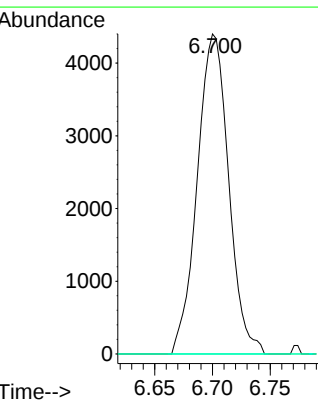
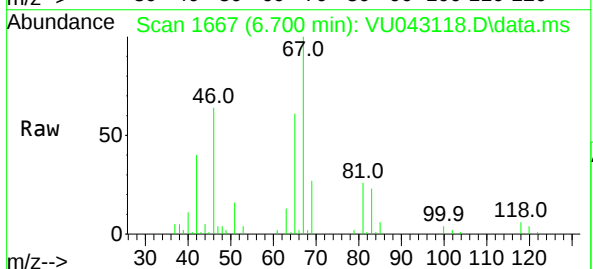
Tgt Ion: 83 Resp: 8331

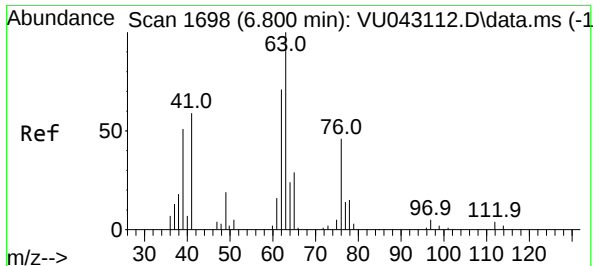
Ion Ratio Lower Upper

83 100

55 0.0 59.5 89.3#

98 9.4 37.9 56.9#



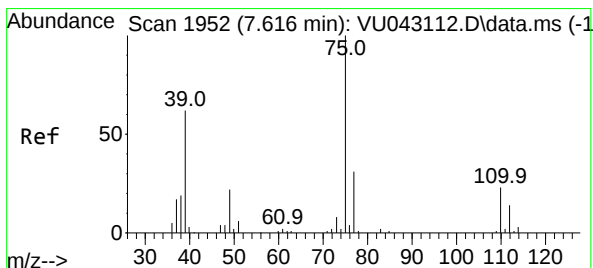
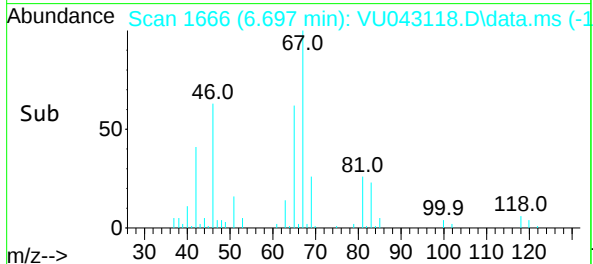
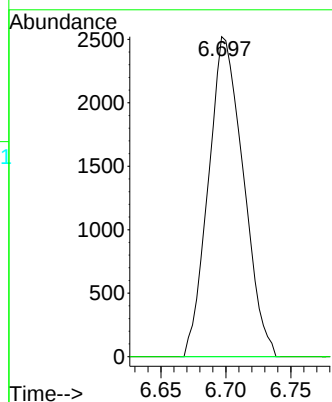
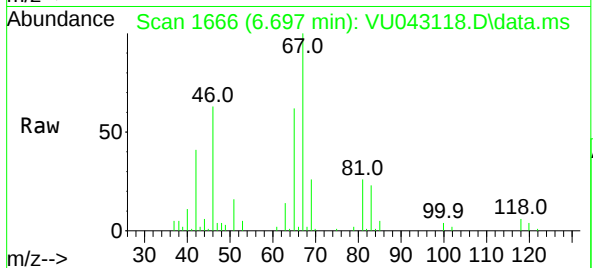


#37

1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

Instrument :
MSVOA_U
ClientSampled :

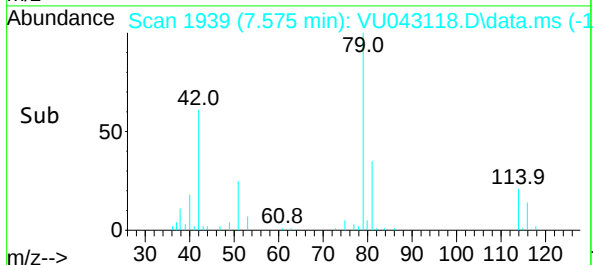
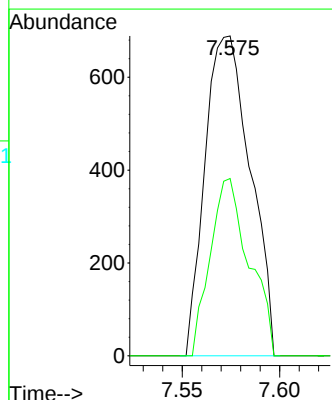
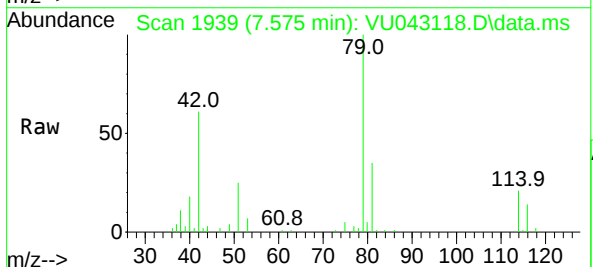
Tgt Ion: 63 Resp: 4719
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

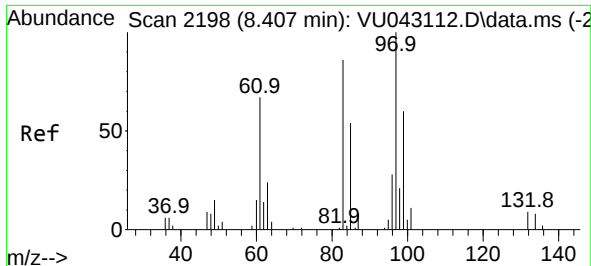


#39

cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

Tgt Ion: 75 Resp: 1114
Ion Ratio Lower Upper
75 100
77 55.4 21.8 40.6#



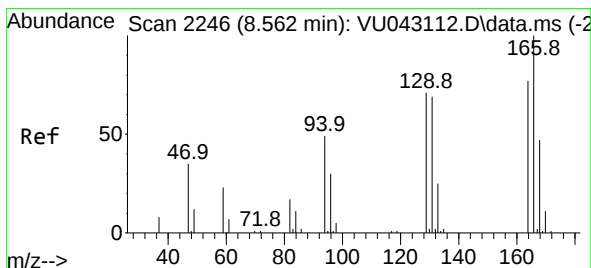
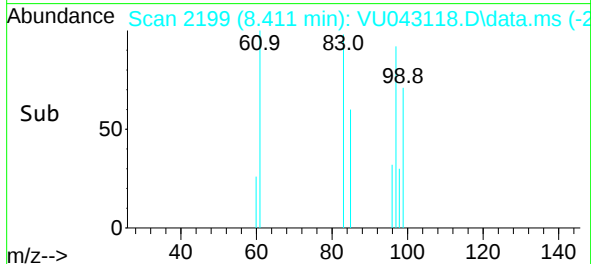
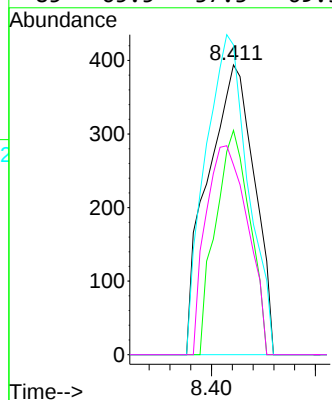
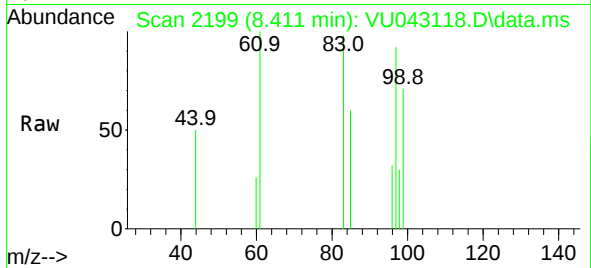


#45
1,1,2-Trichloroethane
Concen: 0.12 ug/L
RT: 8.411 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 97 Resp: 614

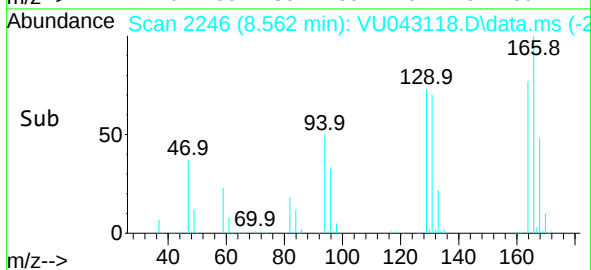
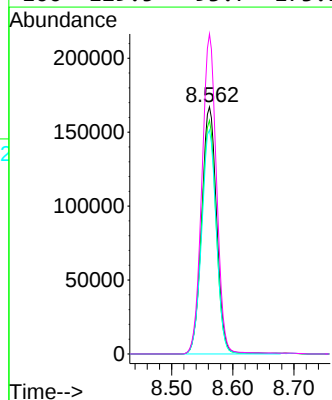
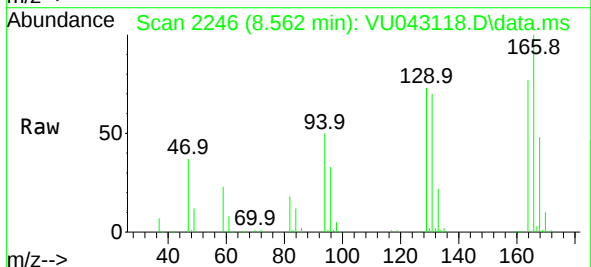
Ion	Ratio	Lower	Upper
97	100		
99	77.4	44.2	82.0
83	106.9	60.1	111.7
85	65.5	37.3	69.3

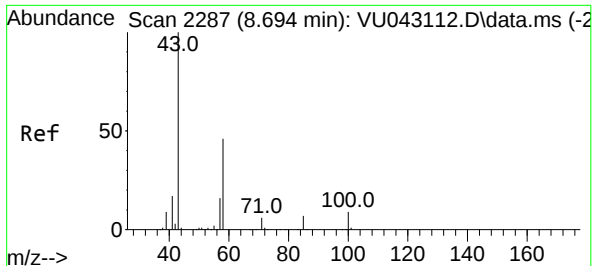


#47
Tetrachloroethene
Concen: 51.44 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

Tgt Ion: 164 Resp: 284107

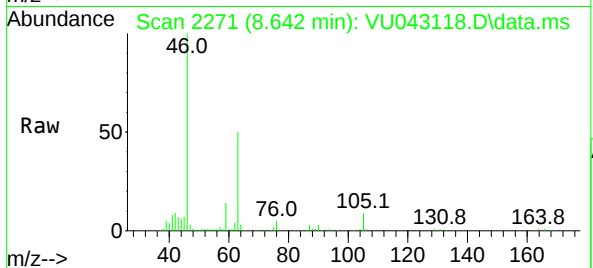
Ion	Ratio	Lower	Upper
164	100		
129	94.6	66.6	123.8
131	90.7	65.9	122.3
166	129.5	93.7	173.9



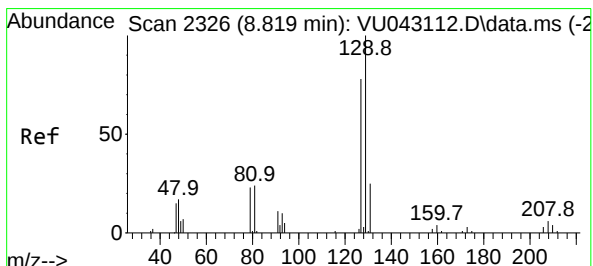
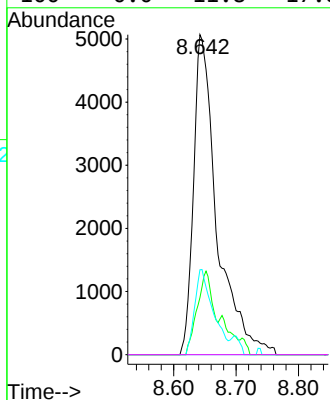
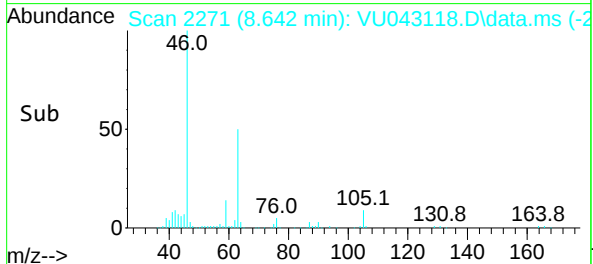


#48
2-Hexanone
Concen: 2.82 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.052 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08

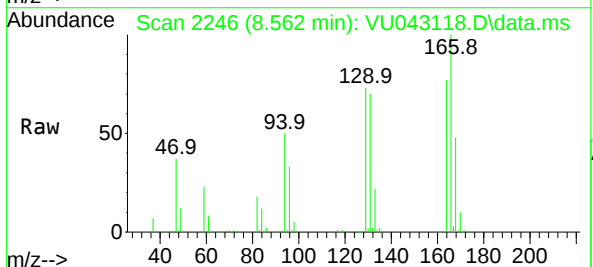
Instrument :
MSVOA_U
ClientSampled :



Tgt Ion: 43	Resp: 13228
Ion Ratio	Lower Upper
43	100
58	17.7 50.0 75.0#
57	21.0 17.4 26.0
100	0.0 11.8 17.8#



#49
Dibromochloromethane
Concen: 38.51 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU043118.D
Acq: 15 Apr 2021 14:08



Tgt Ion: 129	Resp: 258538
Ion Ratio	Lower Upper
129	100
127	0.0 56.6 105.2#

