

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031122\
 Data File : VU047483.D
 Acq On : 11 Mar 2022 11:40
 Operator : SY/MD
 Sample : N1878-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4686

Quant Time: Mar 12 01:32:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 12 01:28:32 2022
 Response via : Initial Calibration

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

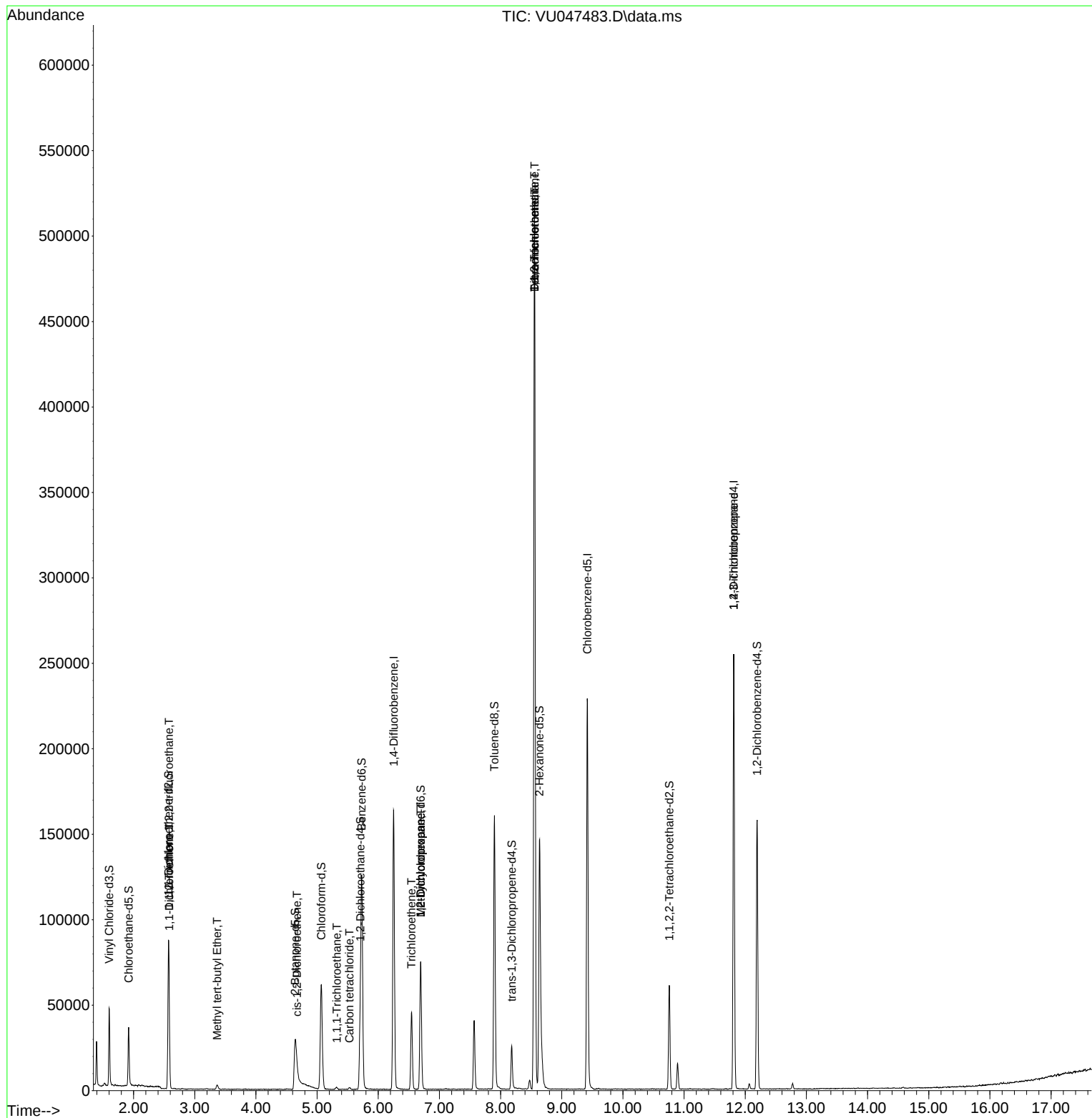
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	140426	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	136521	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71094	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33453	4.392	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.919	69	25414	4.545	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.572	65	15763	4.686	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	4.642	46	62780	46.299	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.600%
24) Chloroform-d	5.070	84	57915	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.706	65	29766	4.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.729	84	121807	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.694	67	36592	4.817	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.899	98	112196	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.182	79	14832	4.598	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.636	63	65061	45.790	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	30522	4.610	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	44843	4.975	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	930	0.111	ug/L #	63
12) 1,1-Dichloroethene	2.581	96	1819	0.221	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	2305	0.108	ug/L #	70
22) cis-1,2-Dichloroethene	4.671	96	1658	0.170	ug/L	88
29) 1,1,1-Trichloroethane	5.321	97	1113	0.079	ug/L	92
31) Carbon tetrachloride	5.530	117	1000	0.081	ug/L	93
34) Trichloroethene	6.542	95	14910	1.513	ug/L	97
35) Methylcyclohexane	6.694	83	8116	0.522	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	3748	0.408	ug/L #	88
45) 1,1,2-Trichloroethane	8.552	97	947	0.126	ug/L #	1
47) Tetrachloroethene	8.555	164	122495	14.650	ug/L	97
49) Dibromochloromethane	8.555	129	111417	12.187	ug/L #	12
61) 1,2,3-Trichloropropane	11.812	75	7365	1.118	ug/L #	66

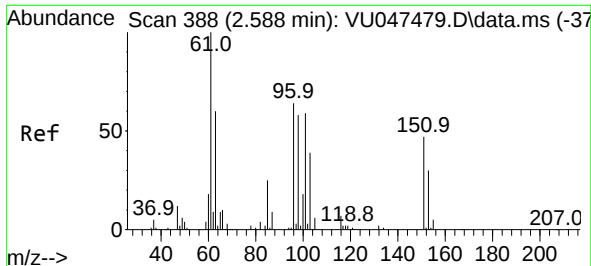
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.111 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU047483.D

Acq: 11 Mar 2022 11:40

Instrument :

MSVOA_U

ClientSampleId :

H4686

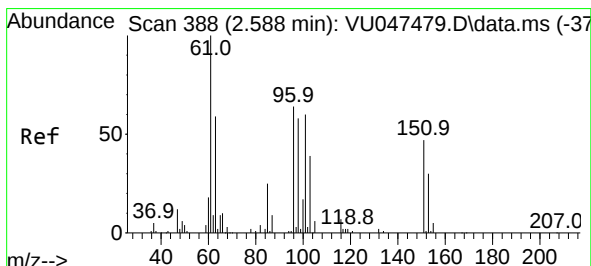
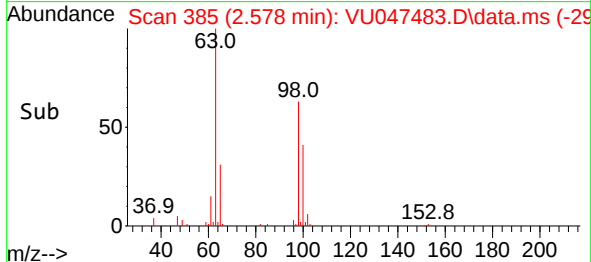
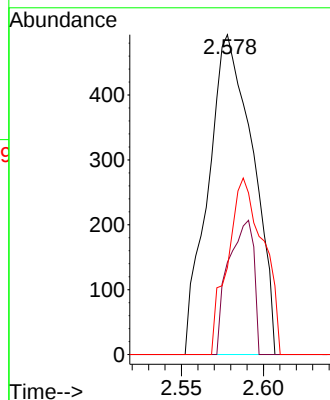
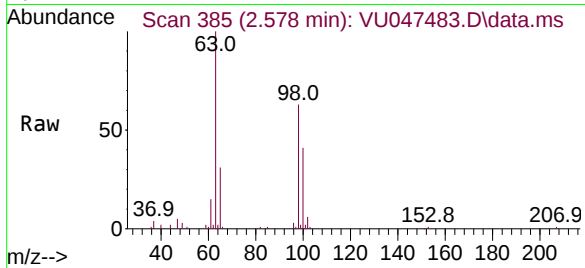
Tgt Ion:101 Resp: 930

Ion Ratio Lower Upper

101 100

85 24.0 33.8 50.6#

151 44.2 64.8 97.2#



#12

1,1-Dichloroethene

Concen: 0.221 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.007 min

Lab File: VU047483.D

Acq: 11 Mar 2022 11:40

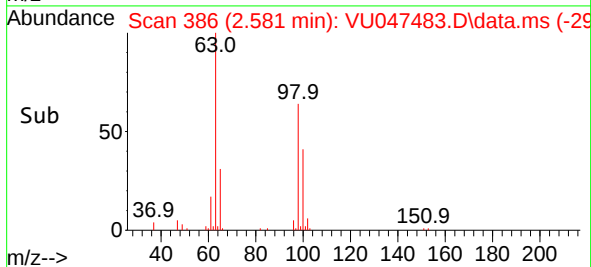
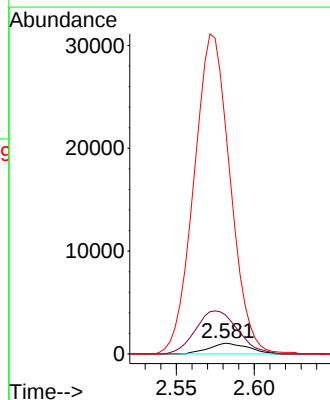
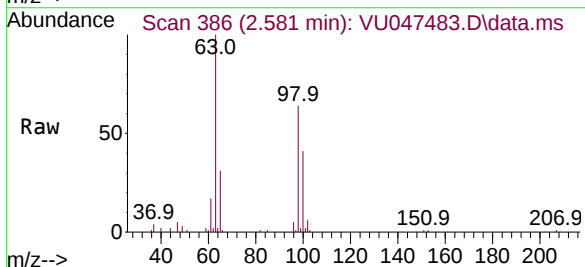
Tgt Ion: 96 Resp: 1819

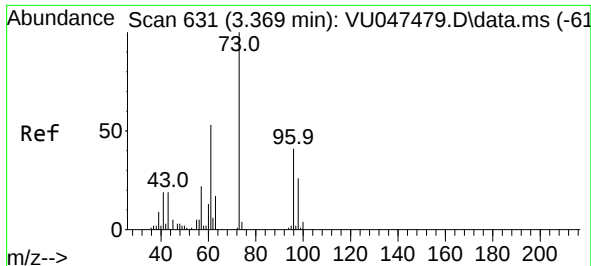
Ion Ratio Lower Upper

96 100

61 367.9 108.8 202.0#

63 2168.1 64.0 119.0#

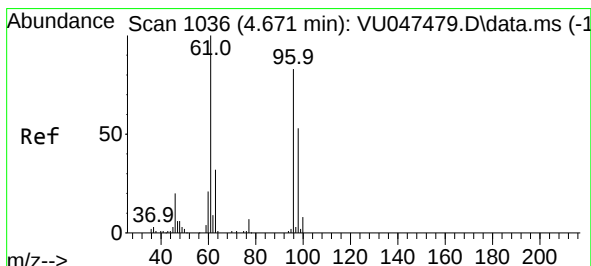
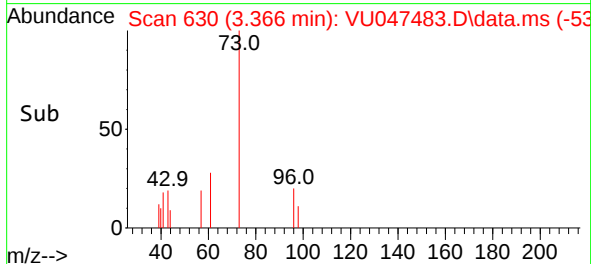
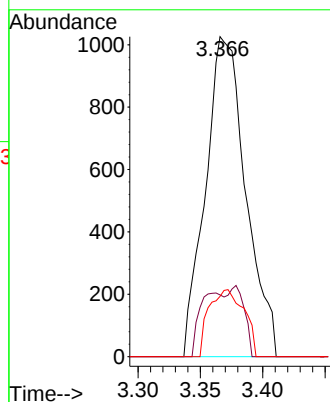
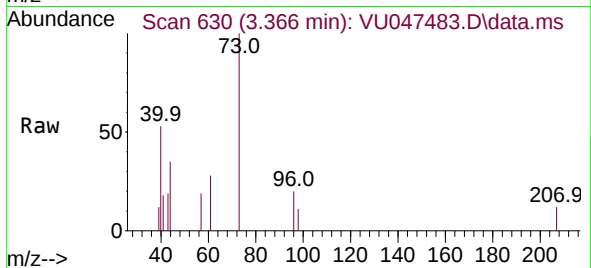




#17
Methyl tert-butyl Ether
Concen: 0.108 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

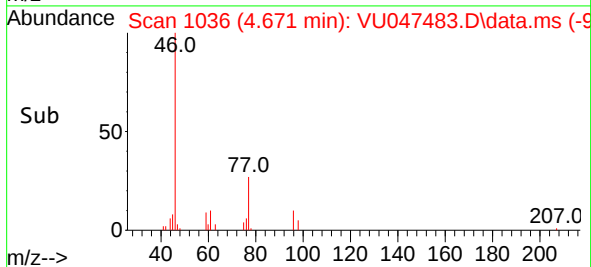
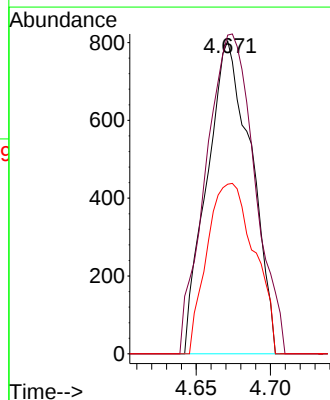
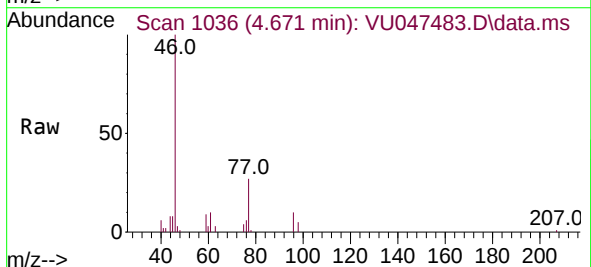
Instrument :
MSVOA_U
ClientSampleId :
H4686

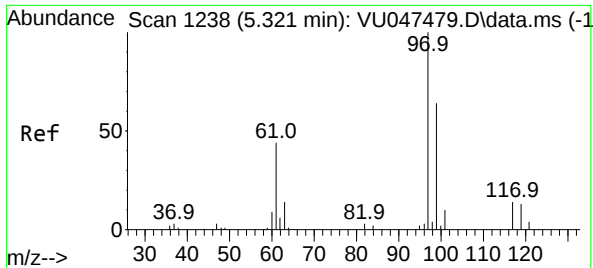
Tgt Ion: 73	Resp:	2305
Ion	Ratio	Lower Upper
73	100	
43	12.2	14.6 22.0#
57	0.0	16.5 24.7#



#22
cis-1,2-Dichloroethene
Concen: 0.170 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

Tgt Ion: 96	Resp:	1658
Ion	Ratio	Lower Upper
96	100	
61	101.9	80.8 150.0
98	54.2	44.7 83.1

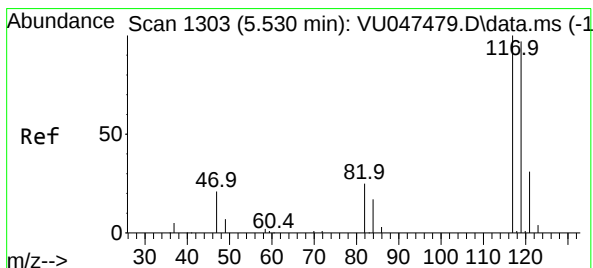
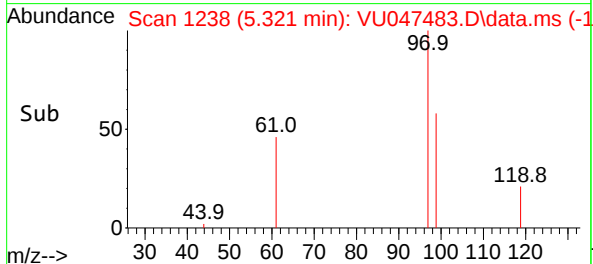
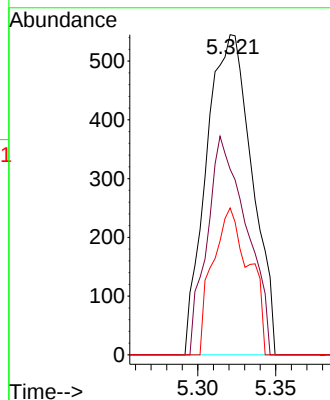
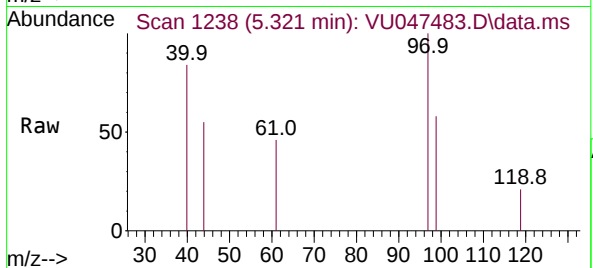




#29
1,1,1-Trichloroethane
Concen: 0.079 ug/L
RT: 5.321 min Scan# 1113
Delta R.T. -0.000 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

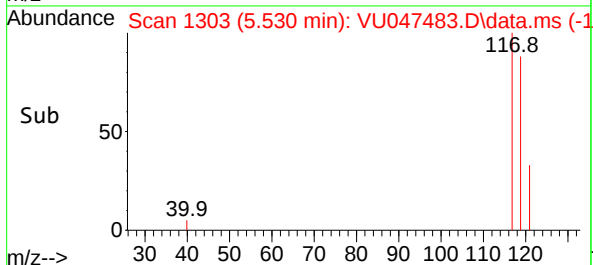
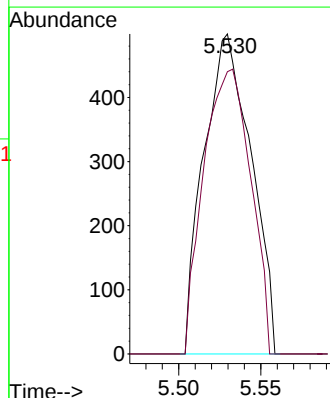
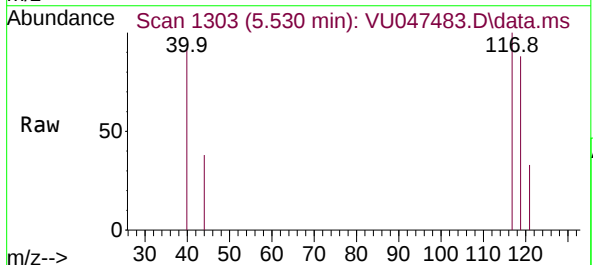
Instrument :
MSVOA_U
ClientSampleId :
H4686

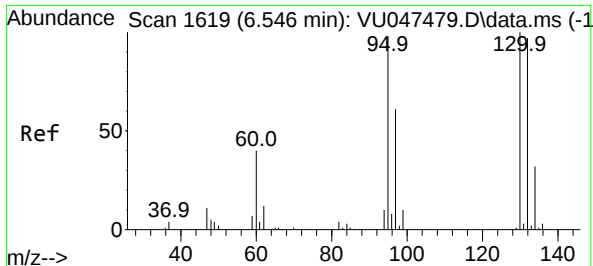
Tgt Ion: 97	Resp:	1113
Ion	Ratio	Lower Upper
97	100	
99	58.8	52.1 78.1
61	36.6	33.8 50.6



#31
Carbon tetrachloride
Concen: 0.081 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

Tgt Ion: 117	Resp:	1000
Ion	Ratio	Lower Upper
117	100	
119	88.3	75.8 113.8

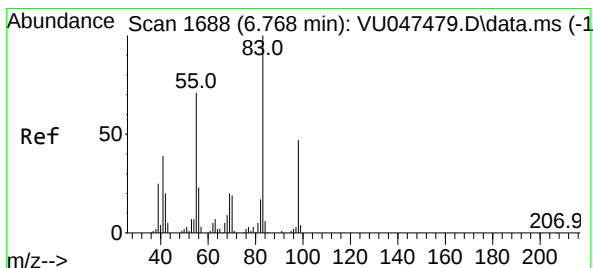
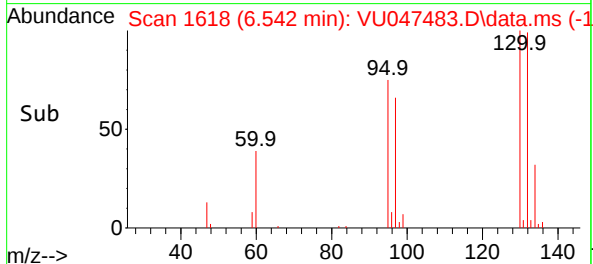
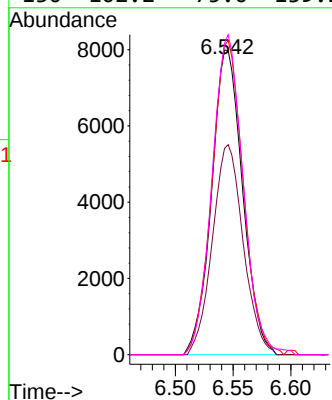
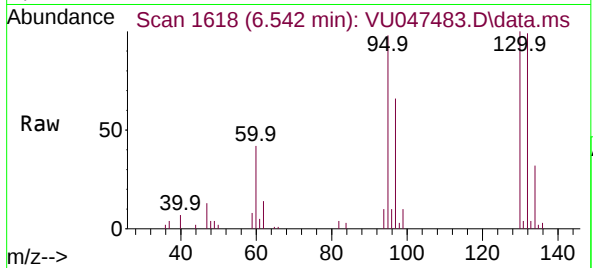




#34
Trichloroethene
Concen: 1.513 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

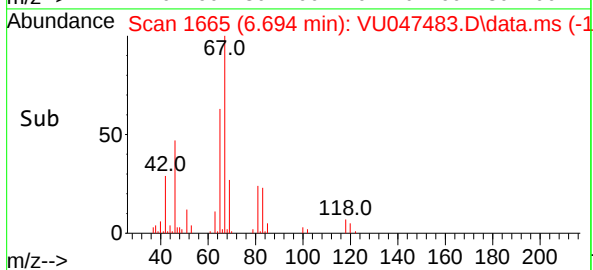
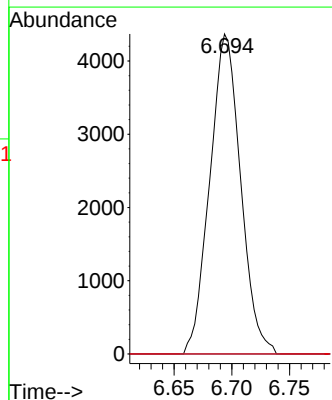
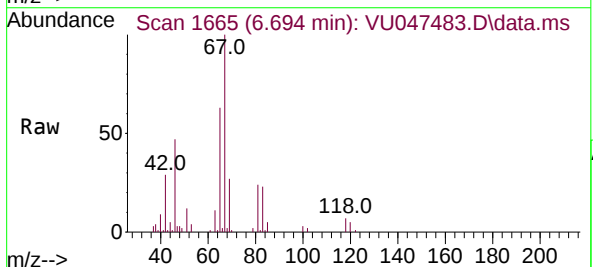
Instrument :
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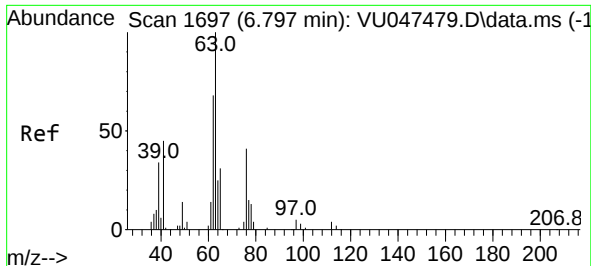
Tgt Ion: 95 Resp: 14910
Ion Ratio Lower Upper
95 100
97 67.7 46.3 85.9
132 101.5 71.7 133.1
130 102.2 75.0 139.2



#35
Methylcyclohexane
Concen: 0.522 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

Tgt Ion: 83 Resp: 8116
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 0.8 38.0 57.0#





#37

1,2-Dichloropropane

Concen: 0.408 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047483.D

Acq: 11 Mar 2022 11:40

Instrument :

MSVOA_U

ClientSampleId :

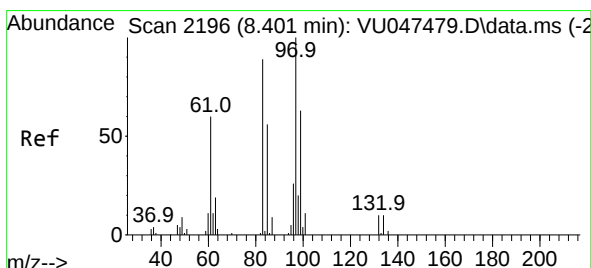
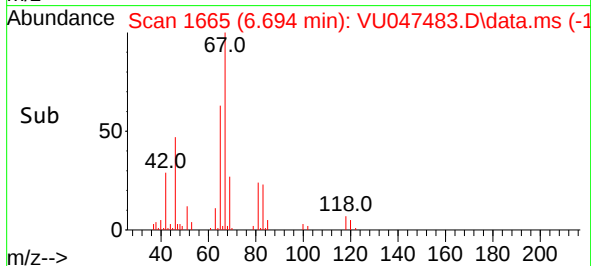
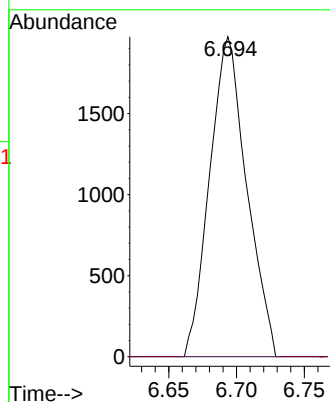
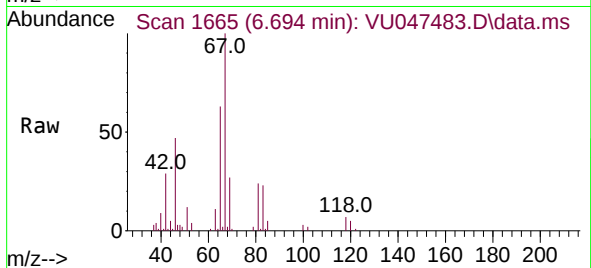
H4686

Tgt Ion: 63 Resp: 3748

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#45

1,1,2-Trichloroethane

Concen: 0.126 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.151 min

Lab File: VU047483.D

Acq: 11 Mar 2022 11:40

Tgt Ion: 97 Resp: 947

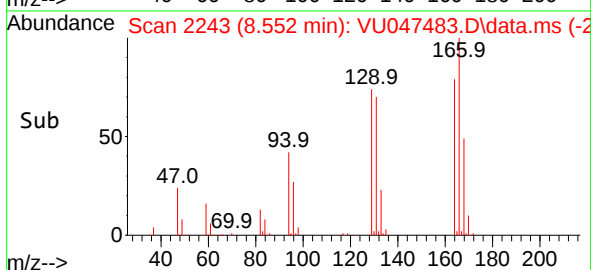
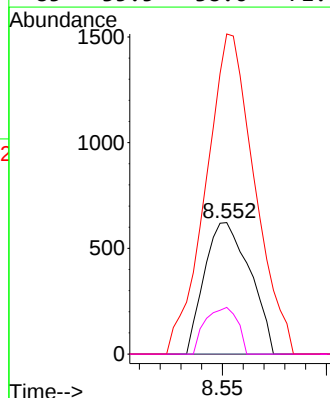
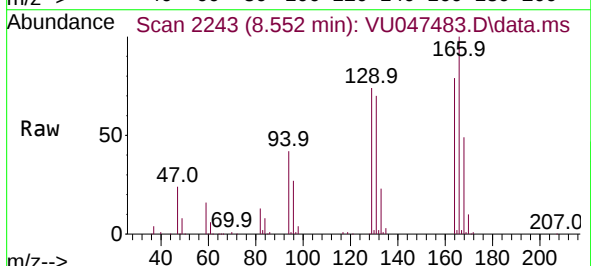
Ion Ratio Lower Upper

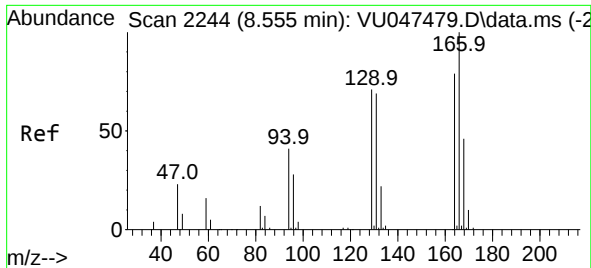
97 100

99 0.0 43.3 80.5#

83 243.4 59.1 109.9#

85 35.5 38.6 71.6#

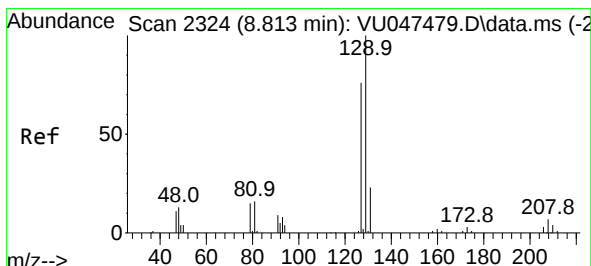
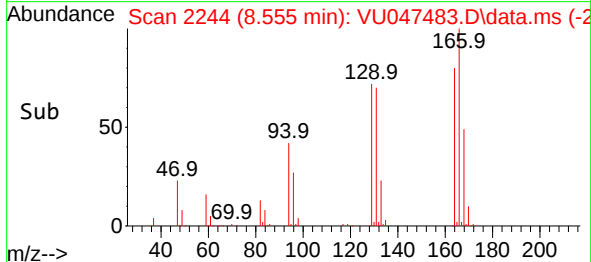
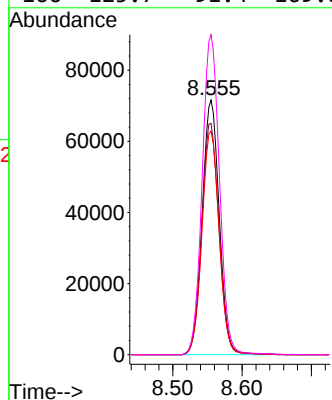
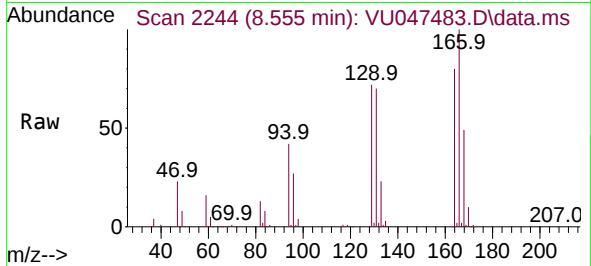




#47
Tetrachloroethene
Concen: 14.650 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

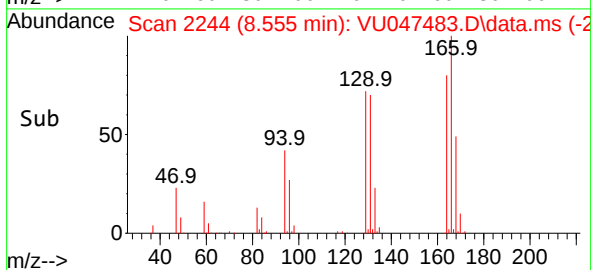
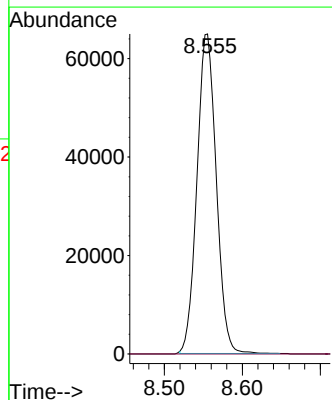
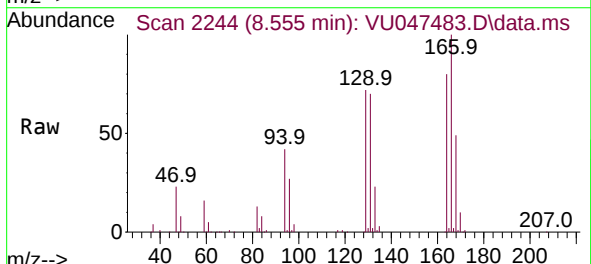
Instrument :
MSVOA_U
ClientSampleId :
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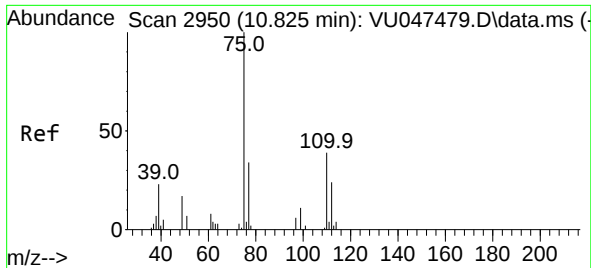
Tgt Ion:164 Resp: 122495
Ion Ratio Lower Upper
164 100
129 90.8 64.9 120.5
131 87.9 63.6 118.2
166 125.7 91.4 169.8



#49
Dibromochloromethane
Concen: 12.187 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU047483.D
Acq: 11 Mar 2022 11:40

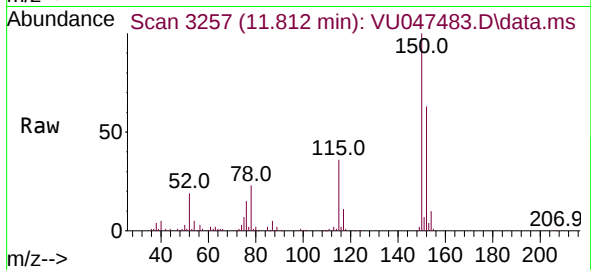
Tgt Ion:129 Resp: 111417
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.118 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU047483.D
 Acq: 11 Mar 2022 11:40

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75 Resp: 7365
 Ion Ratio Lower Upper
 75 100
 110 1.1 31.0 46.4#
 77 32.4 26.2 39.4

