

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031122\
 Data File : VU047486.D
 Acq On : 11 Mar 2022 12:51
 Operator : SY/MD
 Sample : N1878-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4689

Quant Time: Mar 12 01:33:29 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)

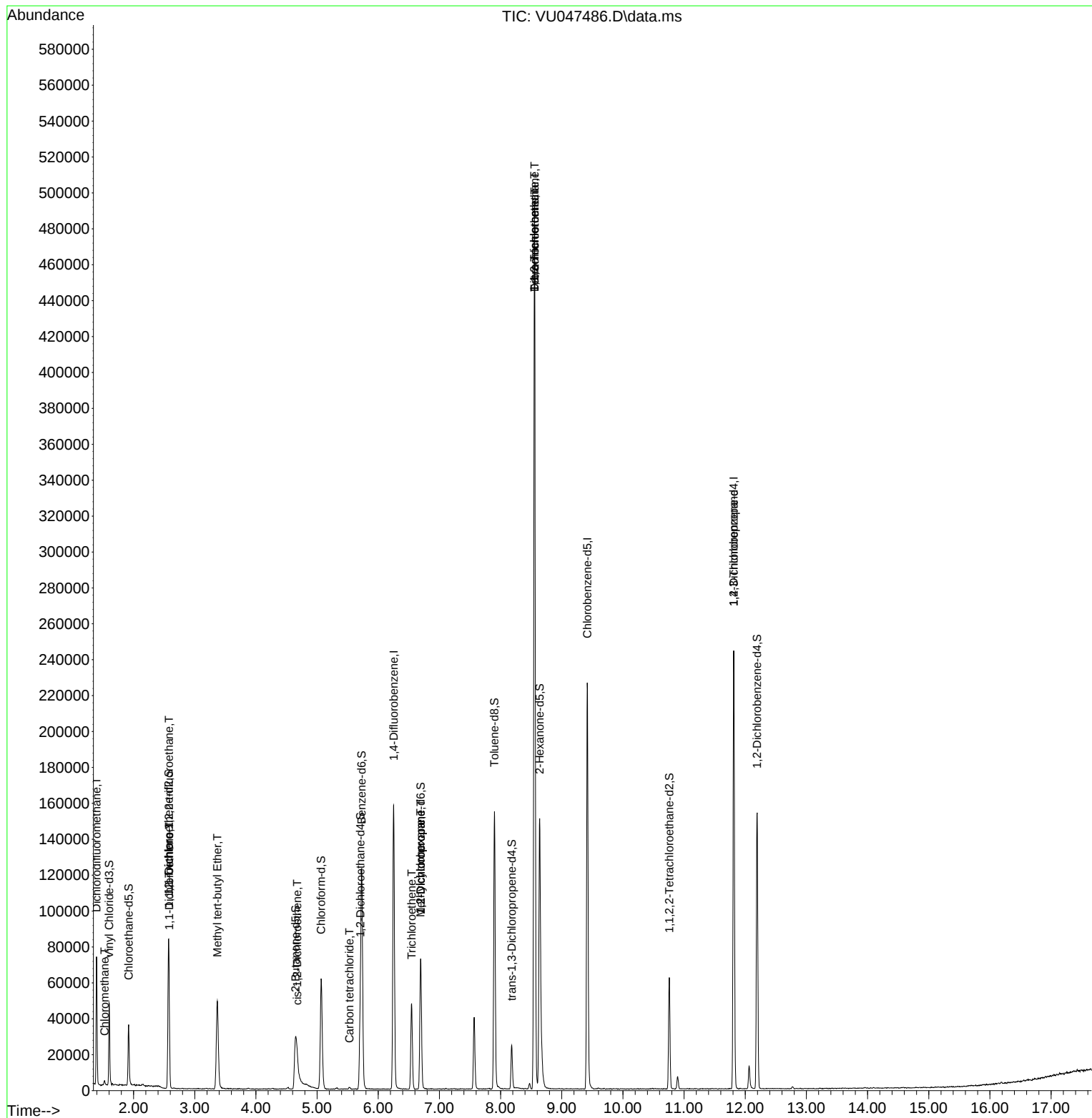
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	136695	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	132406	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	69321	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33489	4.517	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.919	69	25873	4.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.575	65	15258	4.660	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	4.649	46	68315	51.756	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.520%
24) Chloroform-d	5.066	84	56417	4.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.706	65	29270	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.729	84	118306	4.750	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.693	67	36025	4.889	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.899	98	108984	4.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	8.182	79	14563	4.655	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.639	63	64561	46.850	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.700%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	30966	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	43846	4.989	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.395	85	1159	0.113	ug/L	91
3) Chloromethane	1.526	50	1738	0.170	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	834	0.102	ug/L #	33
12) 1,1-Dichloroethene	2.581	96	1222	0.152	ug/L #	1
17) Methyl tert-butyl Ether	3.369	73	56070	2.709	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	3567	0.375	ug/L	97
31) Carbon tetrachloride	5.526	117	740	0.062	ug/L	100
34) Trichloroethene	6.546	95	15962	1.670	ug/L	98
35) Methylcyclohexane	6.690	83	8194	0.543	ug/L #	22
37) 1,2-Dichloropropane	6.693	63	3704	0.416	ug/L #	88
45) 1,1,2-Trichloroethane	8.552	97	858	0.118	ug/L #	19
47) Tetrachloroethene	8.555	164	114429	14.111	ug/L	97
49) Dibromochloromethane	8.555	129	105262	11.872	ug/L #	12
61) 1,2,3-Trichloropropane	11.812	75	7297	1.136	ug/L #	66

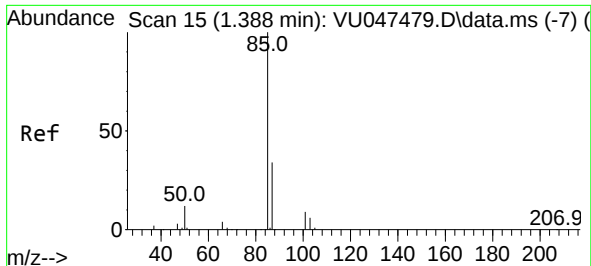
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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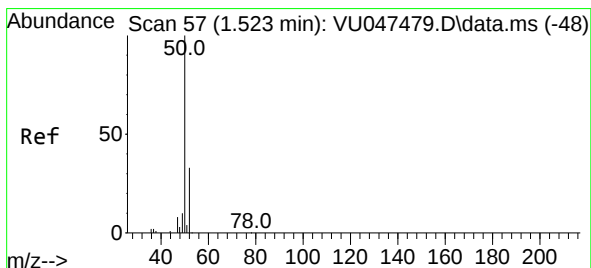
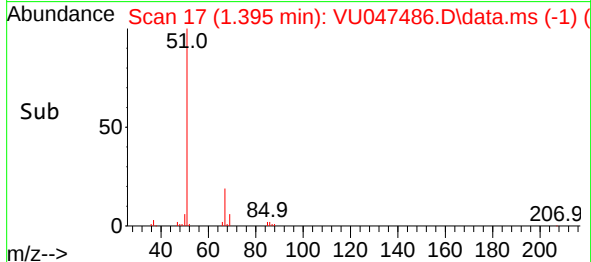
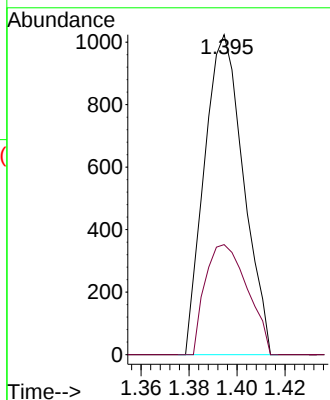
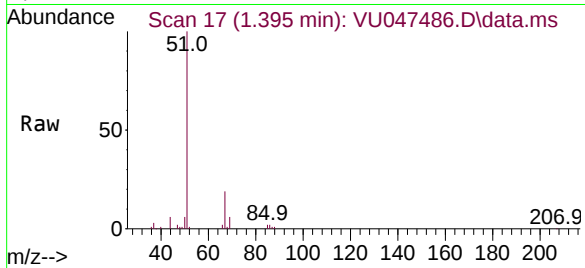




#2
Dichlorodifluoromethane
Concen: 0.113 ug/L
RT: 1.395 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

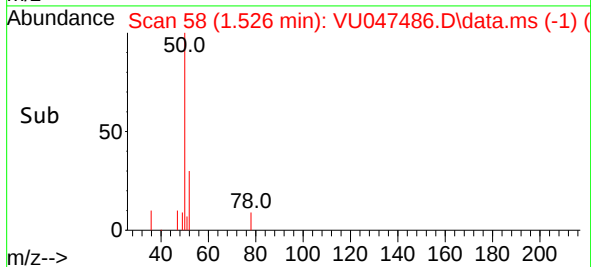
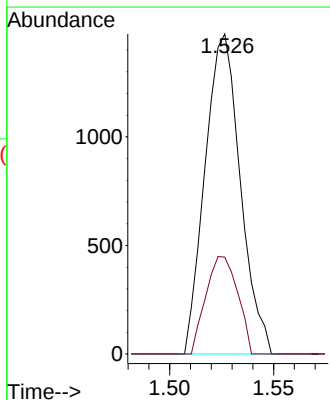
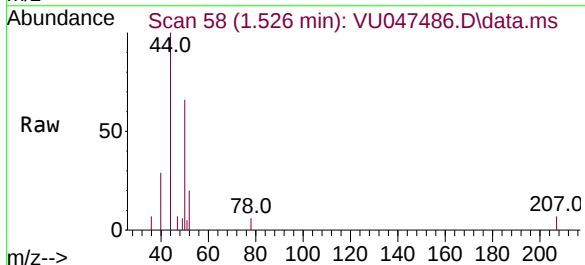
Instrument :
MSVOA_U
ClientSampleId :
H4689

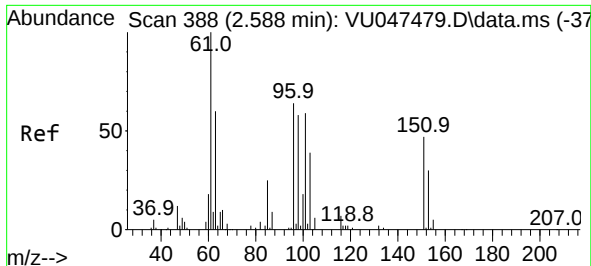
Tgt Ion: 85 Resp: 1159
Ion Ratio Lower Upper
85 100
87 37.2 25.6 38.4



#3
Chloromethane
Concen: 0.170 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

Tgt Ion: 50 Resp: 1738
Ion Ratio Lower Upper
50 100
52 30.3 22.5 41.9





#10

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

Concen: 0.102 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU047486.D

Acq: 11 Mar 2022 12:51

Instrument :

MSVOA_U

ClientSampleId :

H4689

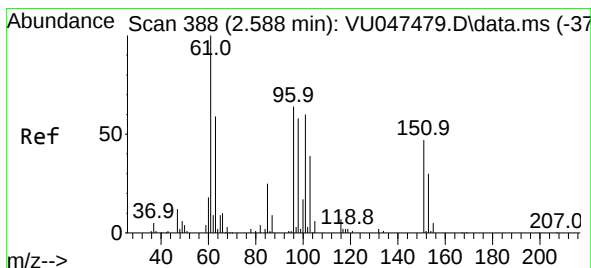
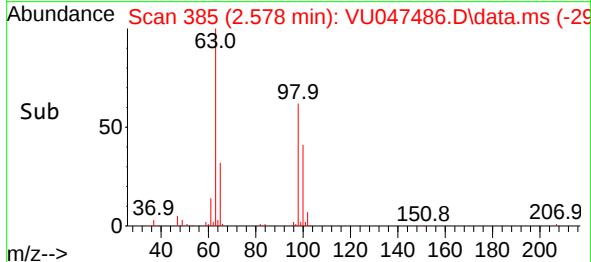
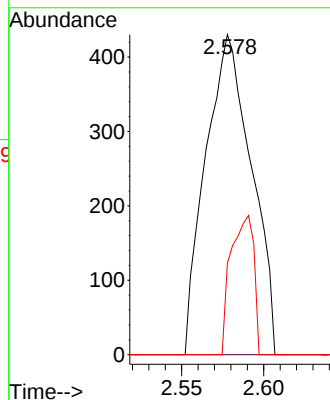
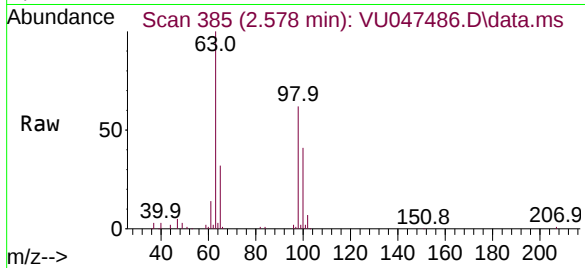
Tgt Ion:101 Resp: 834

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 21.8 64.8 97.2#



#12

1,1-Dichloroethene

Concen: 0.152 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.007 min

Lab File: VU047486.D

Acq: 11 Mar 2022 12:51

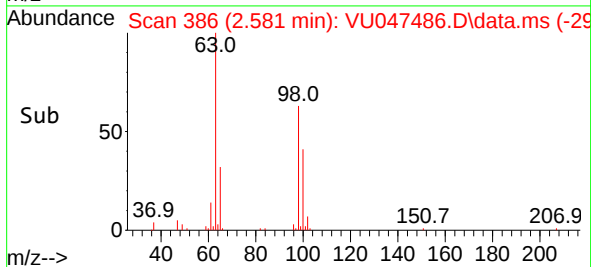
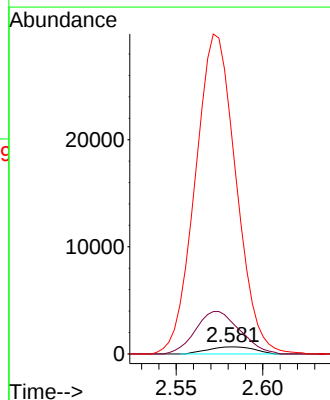
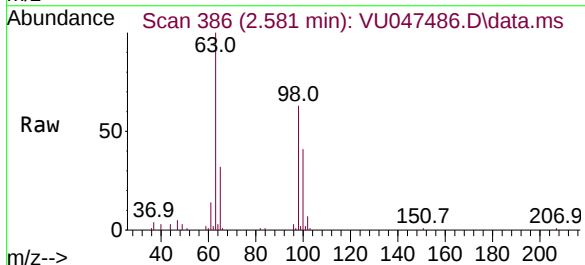
Tgt Ion: 96 Resp: 1222

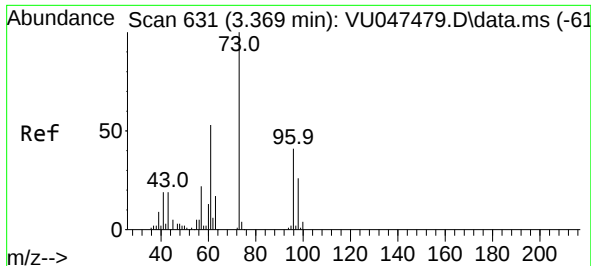
Ion Ratio Lower Upper

96 100

61 479.1 108.8 202.0#

63 3358.8 64.0 119.0#

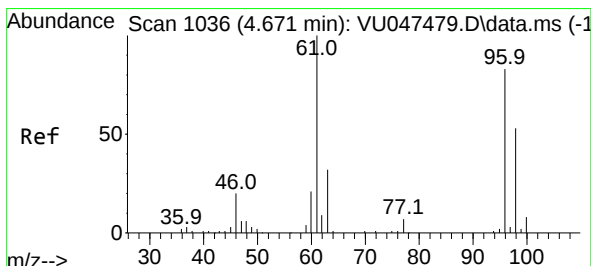
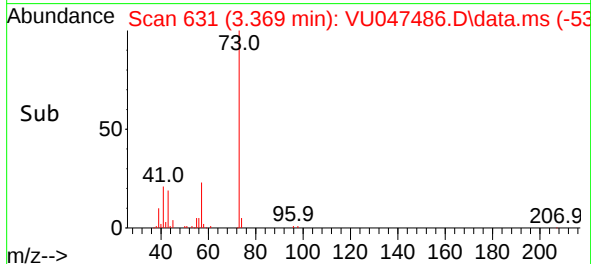
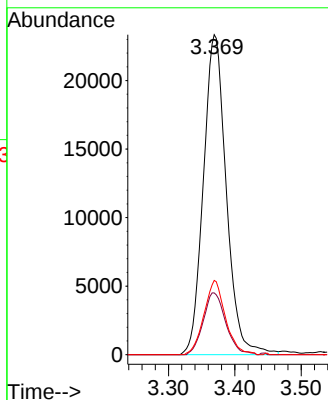
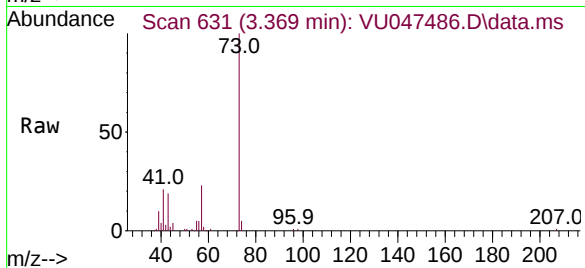




#17
Methyl tert-butyl Ether
Concen: 2.709 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

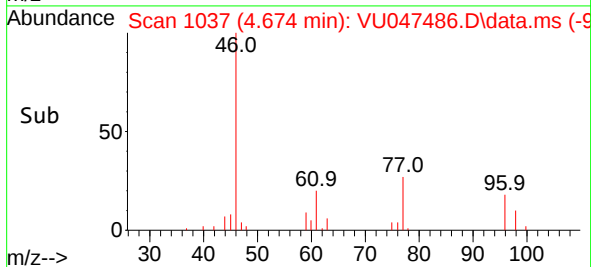
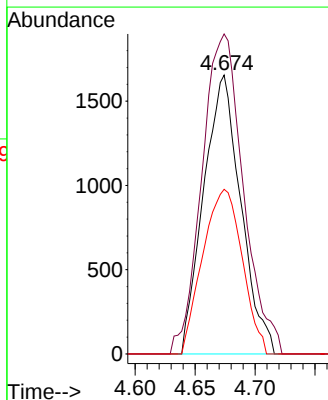
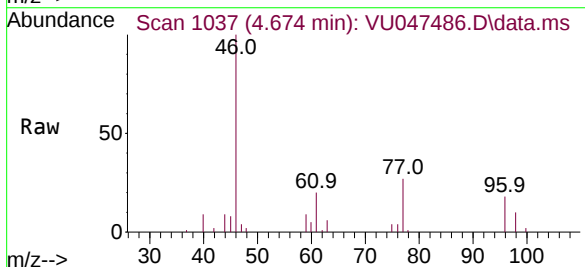
Instrument :
MSVOA_U
ClientSampleId :
H4689

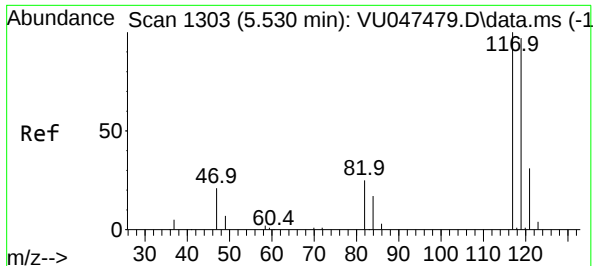
Tgt Ion: 73	Resp: 56070
Ion Ratio	Lower Upper
73	100
43	19.0 14.6 22.0
57	21.7 16.5 24.7



#22
cis-1,2-Dichloroethene
Concen: 0.375 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

Tgt Ion: 96	Resp: 3567
Ion Ratio	Lower Upper
96	100
61	114.7 80.8 150.0
98	59.0 44.7 83.1

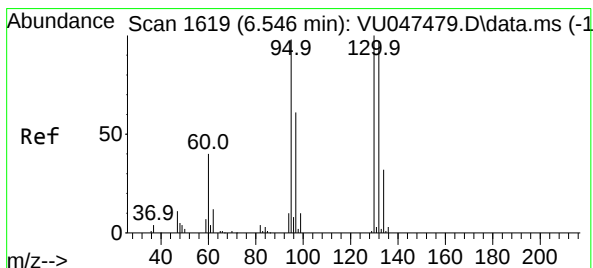
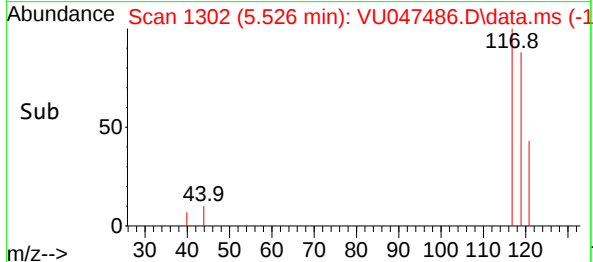
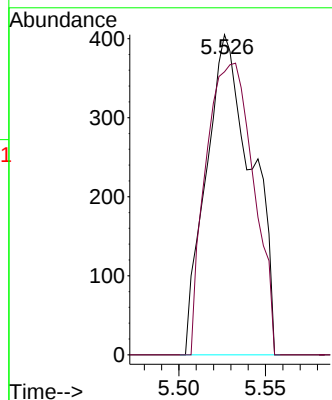
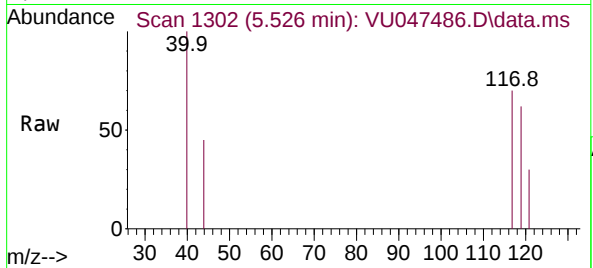




#31
Carbon tetrachloride
Concen: 0.062 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

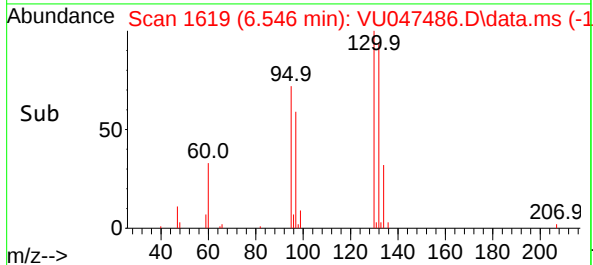
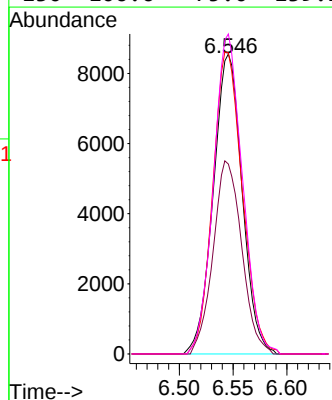
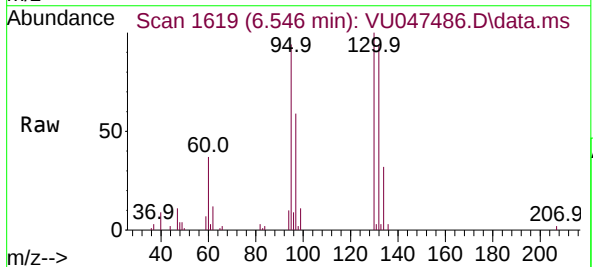
Instrument :
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ClientSampleId :
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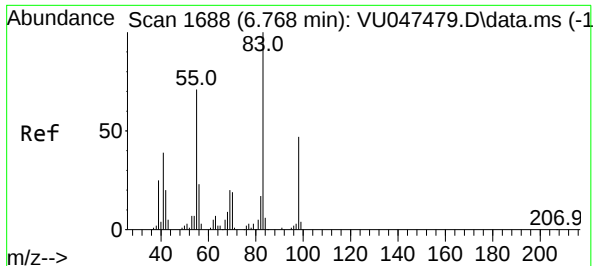
Tgt Ion:117 Resp: 740
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.8



#34
Trichloroethene
Concen: 1.670 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

Tgt Ion: 95 Resp: 15962
Ion Ratio Lower Upper
95 100
97 63.3 46.3 85.9
132 100.3 71.7 133.1
130 106.6 75.0 139.2





#35

Methylcyclohexane

Concen: 0.543 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU047486.D

Acq: 11 Mar 2022 12:51

Instrument :

MSVOA_U

ClientSampleId :

H4689

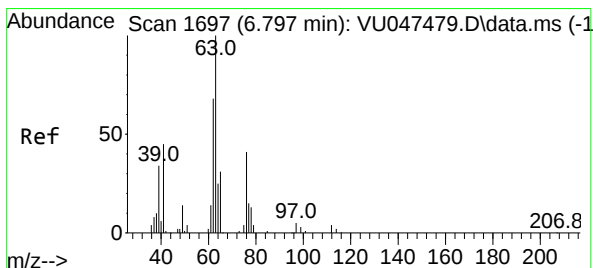
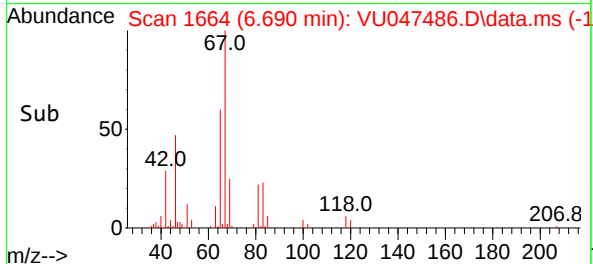
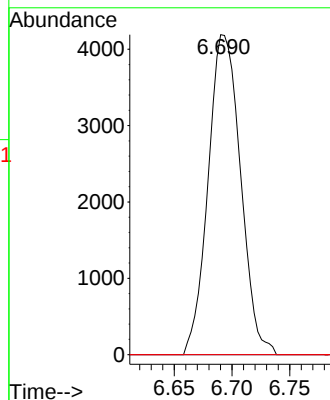
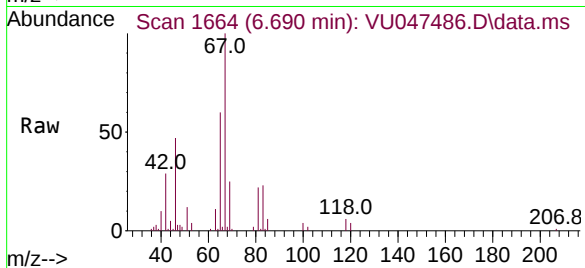
Tgt Ion: 83 Resp: 8194

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 3.5 38.0 57.0#



#37

1,2-Dichloropropane

Concen: 0.416 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU047486.D

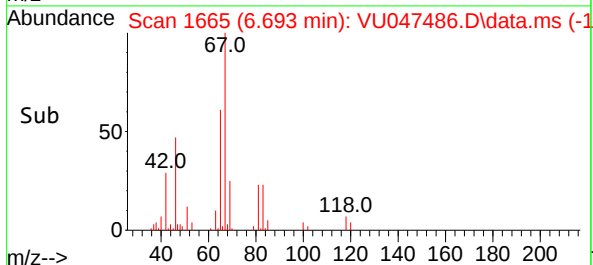
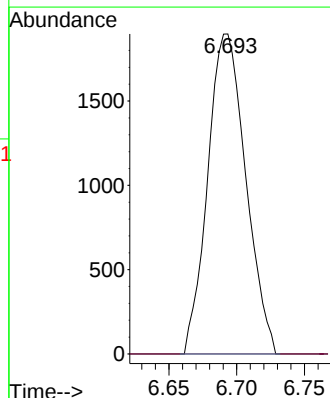
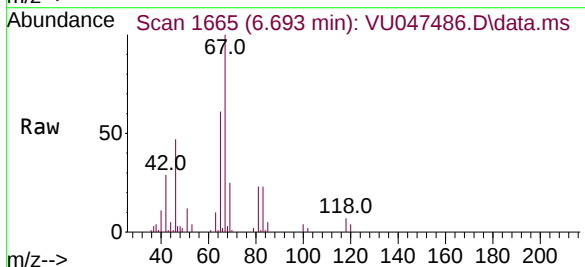
Acq: 11 Mar 2022 12:51

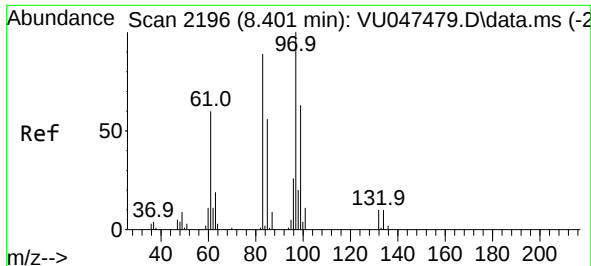
Tgt Ion: 63 Resp: 3704

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#

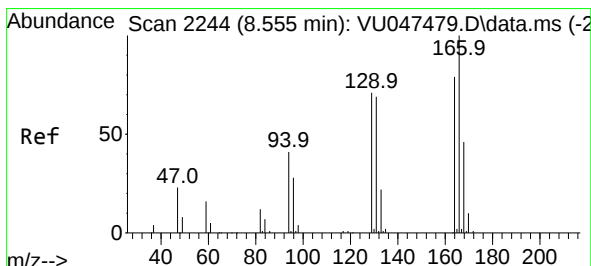
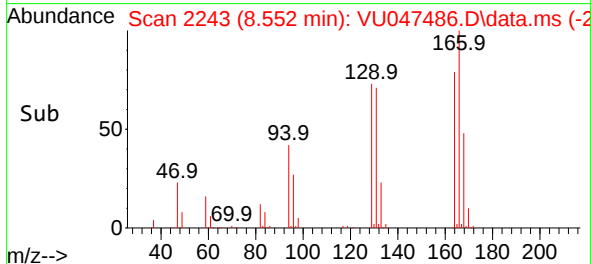
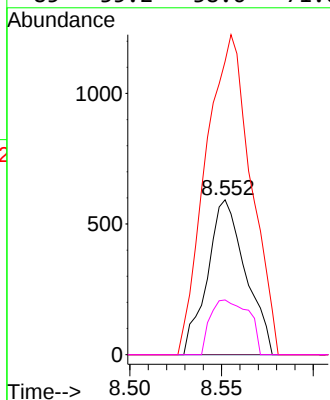
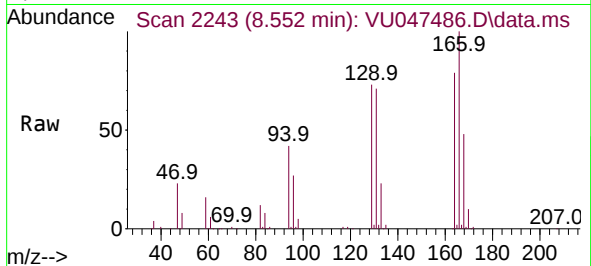




#45
1,1,2-Trichloroethane
Concen: 0.118 ug/L
RT: 8.552 min Scan# 2196
Delta R.T. 0.151 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

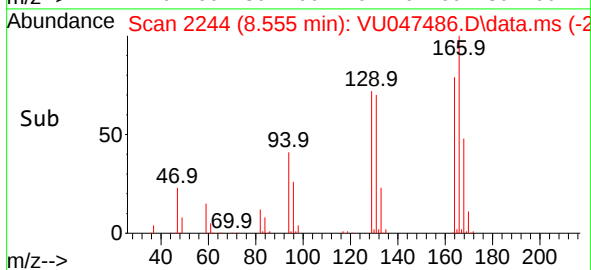
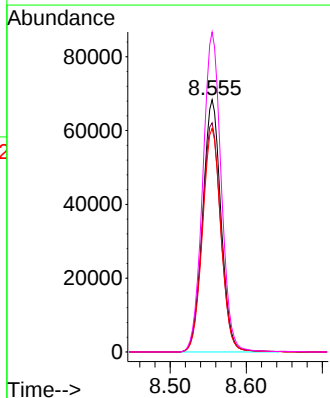
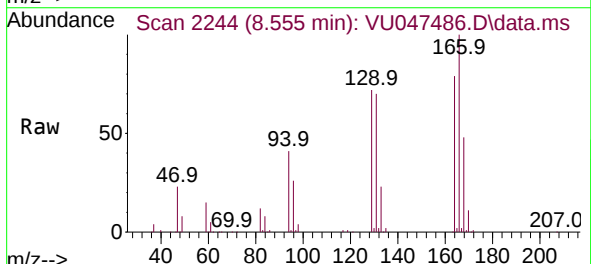
Instrument :
MSVOA_U
ClientSampleId :
H4689

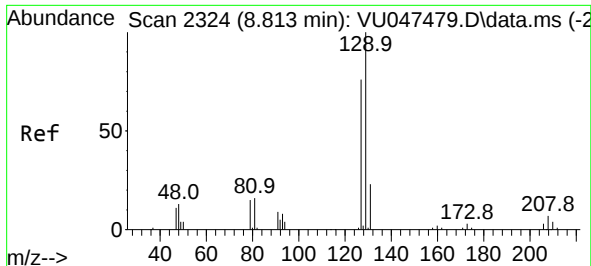
Tgt Ion: 97	Resp:	858
Ion Ratio	Lower	Upper
97	100	
99	0.0	43.3 80.5#
83	189.4	59.1 109.9#
85	35.2	38.6 71.6#



#47
Tetrachloroethene
Concen: 14.111 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047486.D
Acq: 11 Mar 2022 12:51

Tgt Ion: 164	Resp:	114429
Ion Ratio	Lower	Upper
164	100	
129	90.8	64.9 120.5
131	88.7	63.6 118.2
166	126.8	91.4 169.8





#49

Dibromochloromethane

Concen: 11.872 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047486.D

Acq: 11 Mar 2022 12:51

Instrument :

MSVOA_U

ClientSampleId :

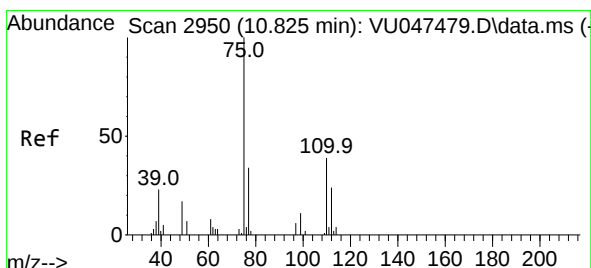
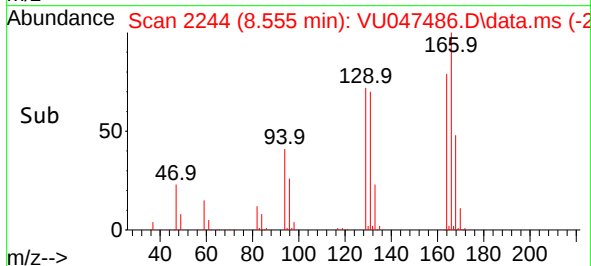
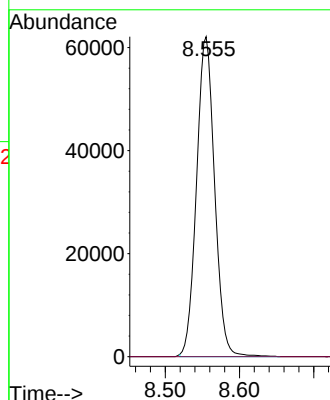
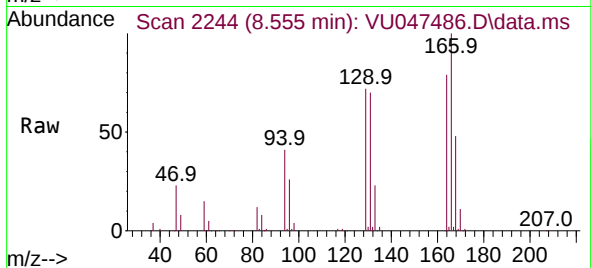
H4689

Tgt Ion:129 Resp: 105262

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



#61

1,2,3-Trichloropropane

Concen: 1.136 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047486.D

Acq: 11 Mar 2022 12:51

Tgt Ion: 75 Resp: 7297

Ion Ratio Lower Upper

75 100

110 1.7 31.0 46.4#

77 33.8 26.2 39.4

