

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045830.D
 Acq On : 17 Nov 2021 11:08
 Operator : SY/MD
 Sample : M4686-04DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 02:18:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

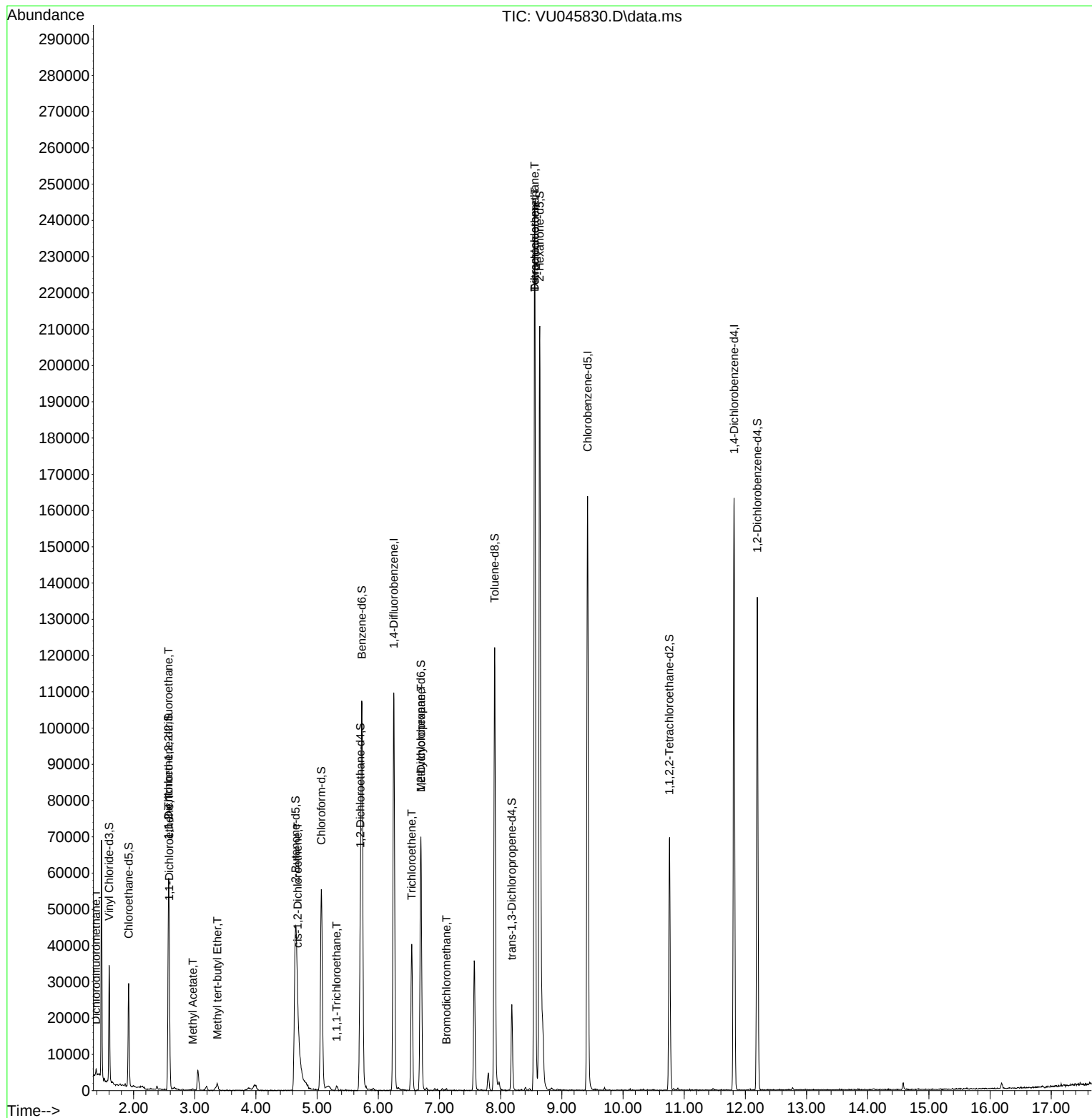
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	87596	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	93355	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	43102	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	22494	3.241	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.800%
7) Chloroethane-d5	1.919	69	20089	3.976	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.571	65	10561	3.628	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.649	46	110337	59.326	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.660%
24) Chloroform-d	5.070	84	50711	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.706	65	31693	4.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.732	84	99834	3.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.697	67	33992	4.195	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.902	98	82081	3.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	8.182	79	13770	4.186	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.639	63	78423	52.973	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.940%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34806	5.085	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	34218	4.624	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	912	0.128	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	281	0.049	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	2885	0.532	ug/L #	1
15) Methyl Acetate	2.970	43	639	0.238	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	1747	0.124	ug/L #	82
22) cis-1,2-Dichloroethene	4.681	96	1140	0.181	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	1201	0.118	ug/L	90
34) Trichloroethene	6.546	95	13614	2.028	ug/L	98
35) Methylcyclohexane	6.697	83	7829	0.759	ug/L #	22
38) Bromodichloromethane	7.115	83	435	0.051	ug/L #	69
47) Tetrachloroethene	8.558	164	54531	11.602	ug/L	94
49) Dibromochloromethane	8.555	129	52053	8.979	ug/L #	10

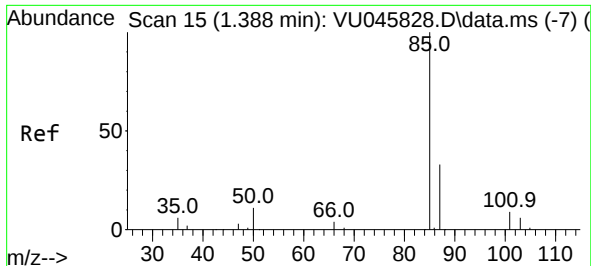
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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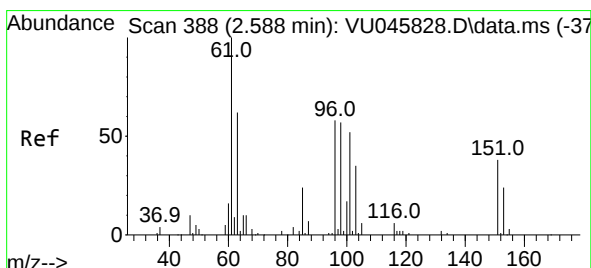
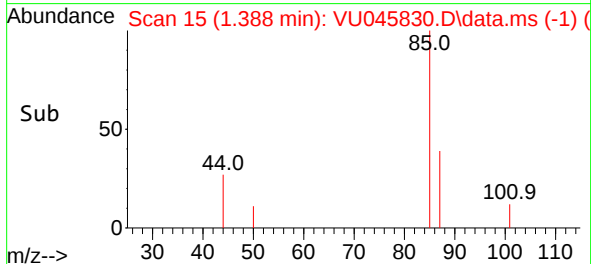
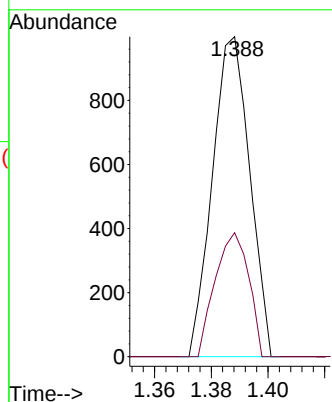
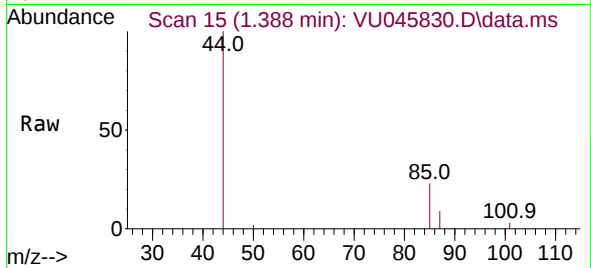




#2
Dichlorodifluoromethane
Concen: 0.128 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045830.D
Acq: 17 Nov 2021 11:08

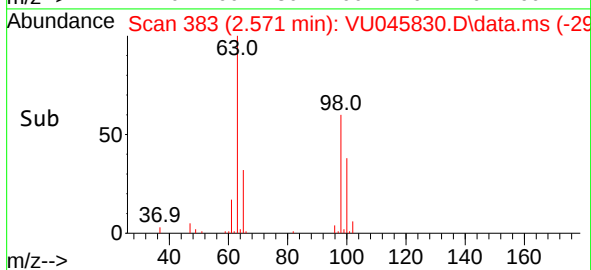
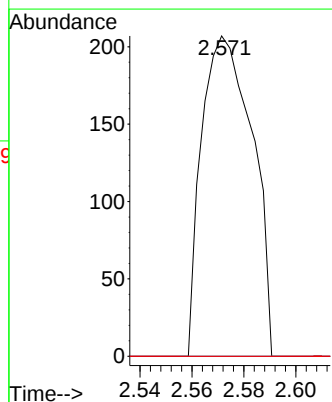
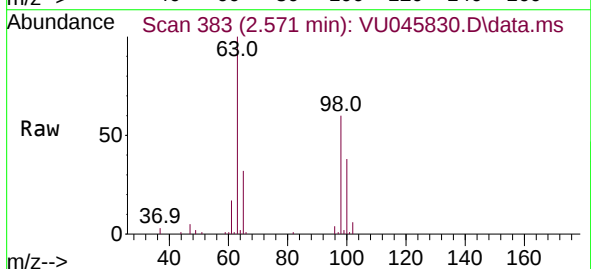
Instrument :
MSVOA_U
ClientSampleId :

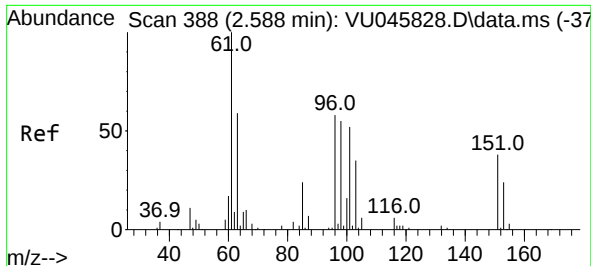
Tgt Ion: 85 Resp: 912
Ion Ratio Lower Upper
85 100
87 34.8 25.8 38.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.049 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU045830.D
Acq: 17 Nov 2021 11:08

Tgt Ion:101 Resp: 281
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.532 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.003 min

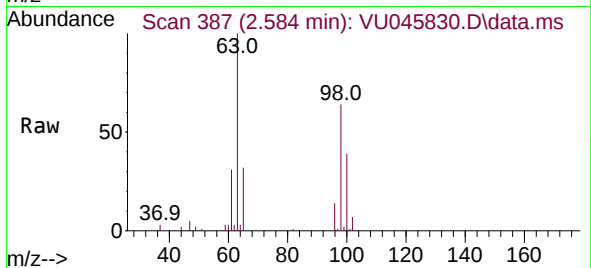
Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

Instrument :

MSVOA_U

ClientSampleId :



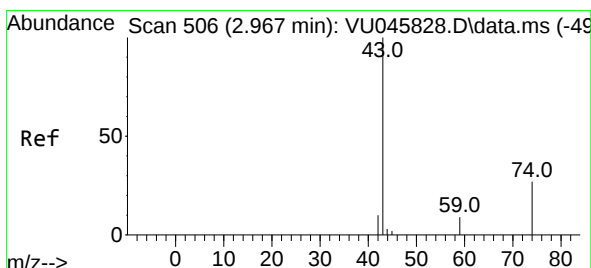
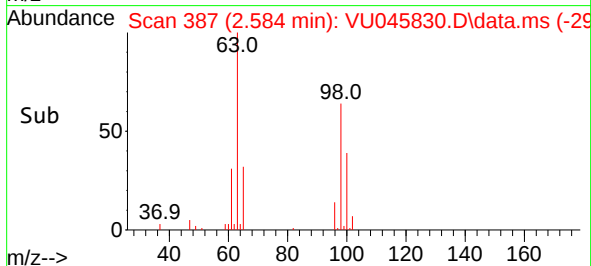
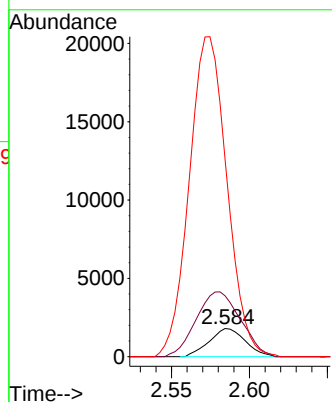
Tgt Ion: 96 Resp: 2885

Ion Ratio Lower Upper

96 100

61 216.8 124.7 231.5

63 704.7 105.2 195.4#



#15

Methyl Acetate

Concen: 0.238 ug/L

RT: 2.970 min Scan# 507

Delta R.T. 0.003 min

Lab File: VU045830.D

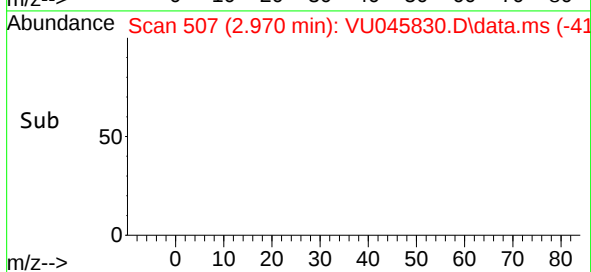
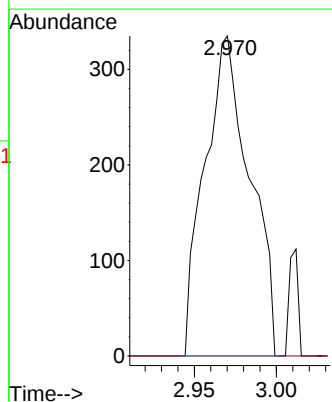
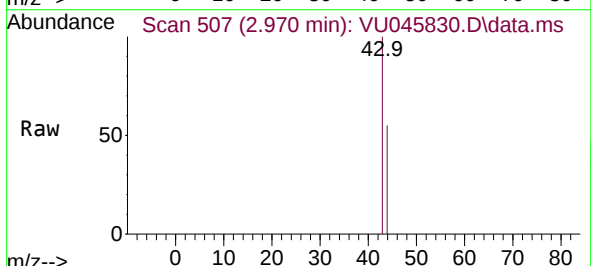
Acq: 17 Nov 2021 11:08

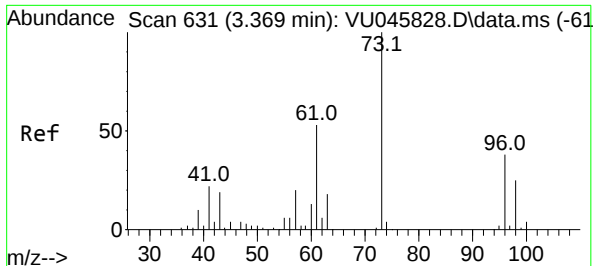
Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#





#17

Methyl tert-butyl Ether

Concen: 0.124 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

Instrument :

MSVOA_U

ClientSampleId :

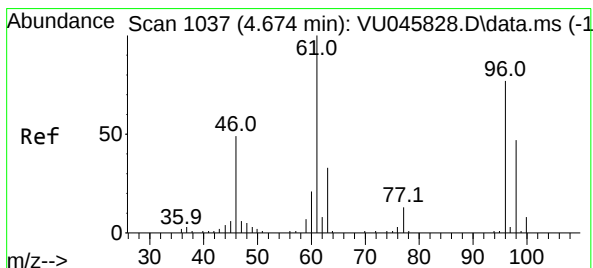
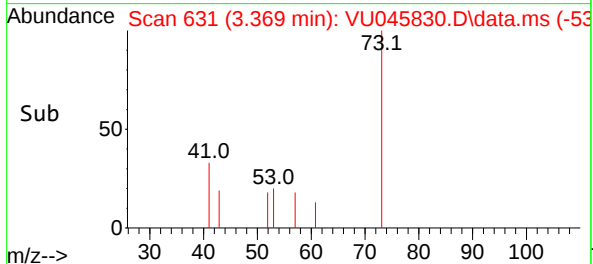
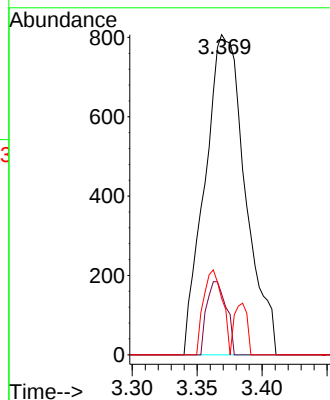
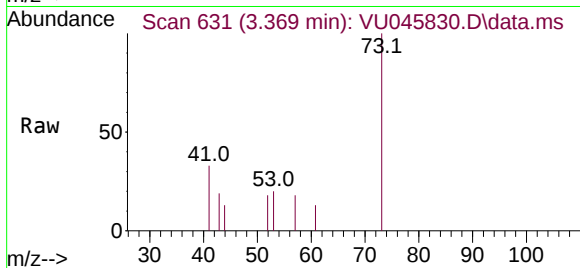
Tgt Ion: 73 Resp: 1747

Ion Ratio Lower Upper

73 100

43 11.0 14.8 22.2#

57 12.4 17.4 26.0#



#22

cis-1,2-Dichloroethene

Concen: 0.181 ug/L

RT: 4.681 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

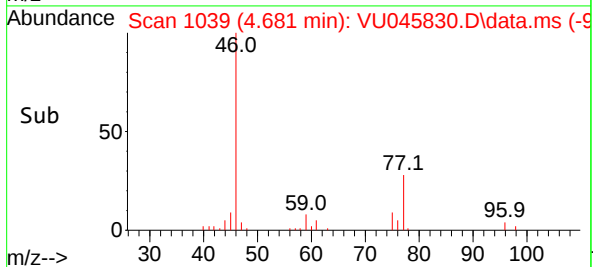
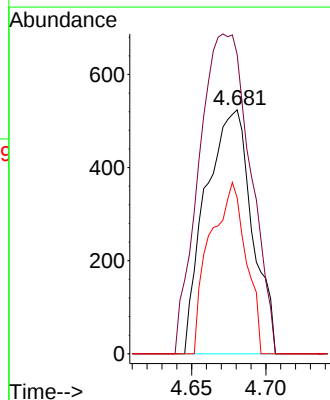
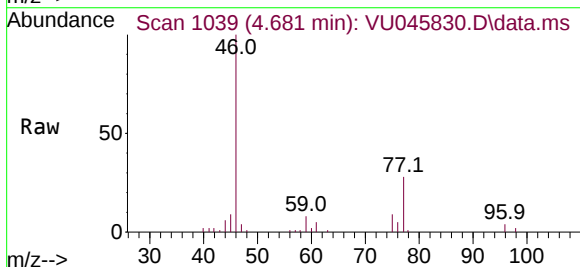
Tgt Ion: 96 Resp: 1140

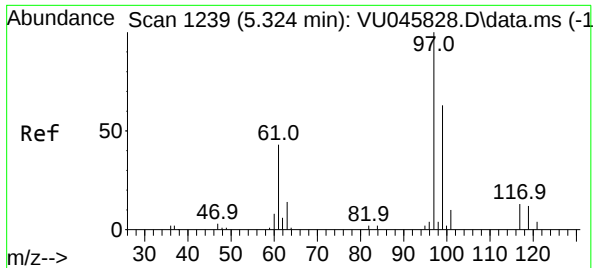
Ion Ratio Lower Upper

96 100

61 122.7 88.5 164.3

98 63.9 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.118 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

Instrument :

MSVOA_U

ClientSampleId :

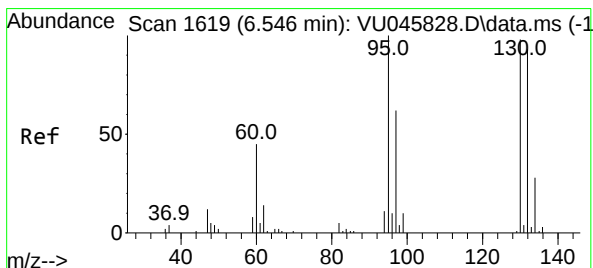
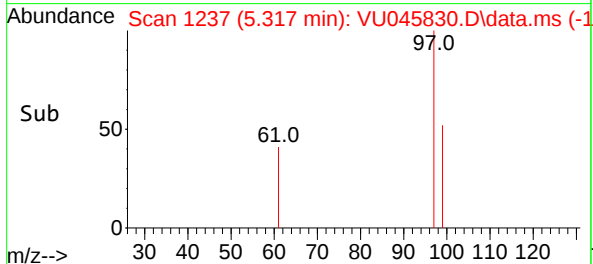
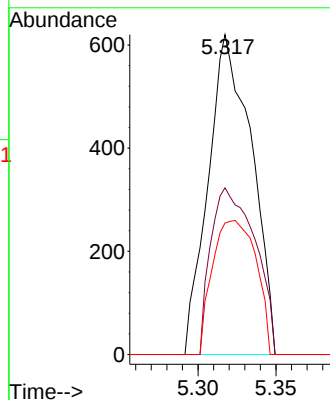
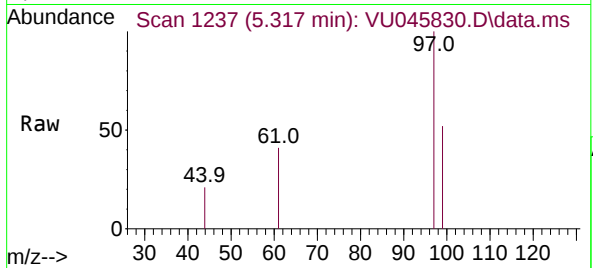
Tgt Ion: 97 Resp: 1201

Ion Ratio Lower Upper

97 100

99 53.2 51.3 76.9

61 42.0 36.1 54.1



#34

Trichloroethene

Concen: 2.028 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

Tgt Ion: 95 Resp: 13614

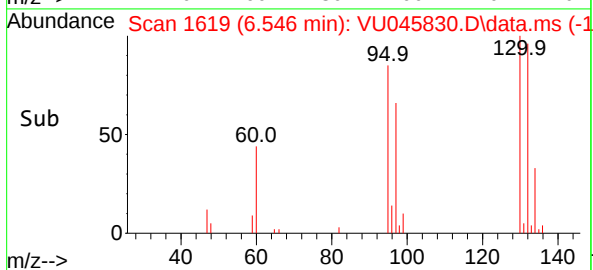
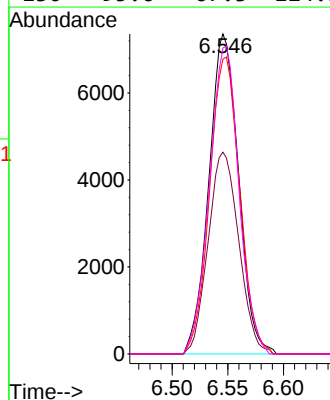
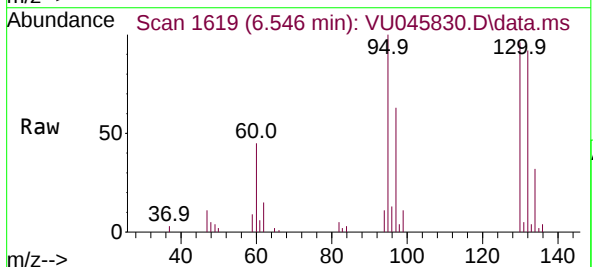
Ion Ratio Lower Upper

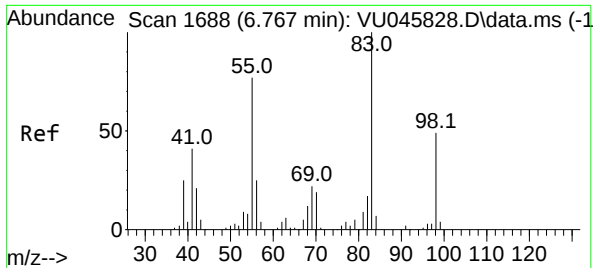
95 100

97 63.0 46.5 86.5

132 92.2 65.1 120.9

130 95.6 67.3 124.9

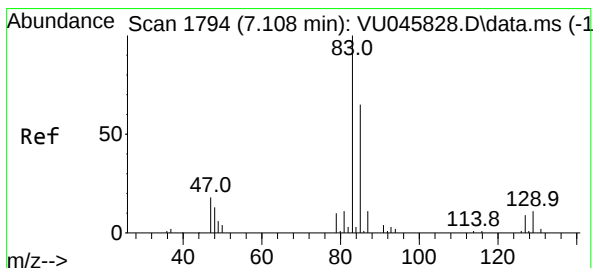
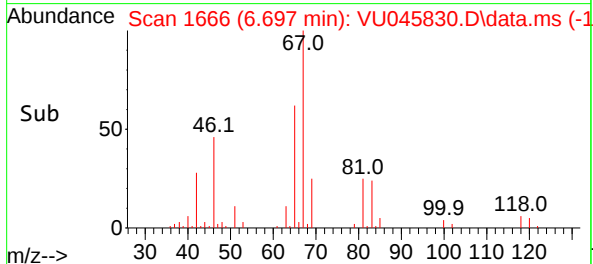
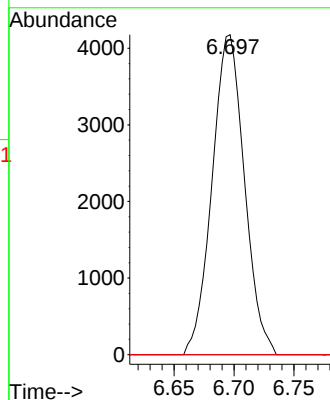
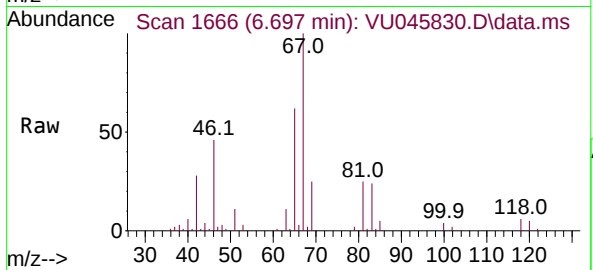




#35
Methylcyclohexane
Concen: 0.759 ug/L
RT: 6.697 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU045830.D
Acq: 17 Nov 2021 11:08

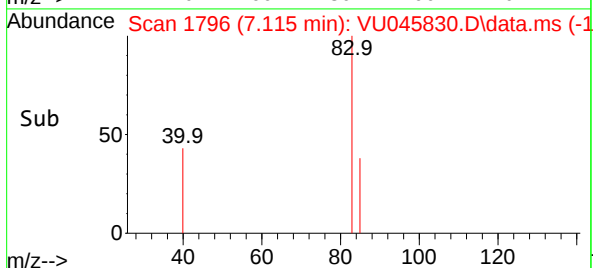
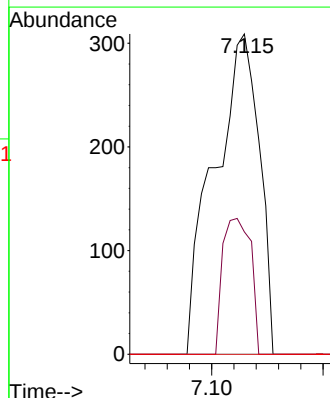
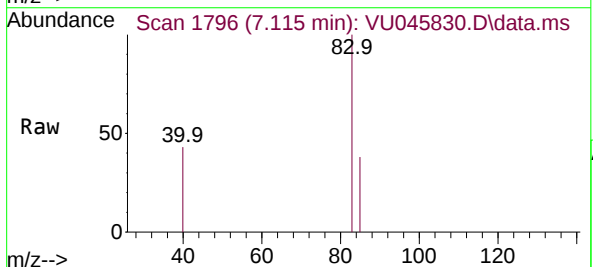
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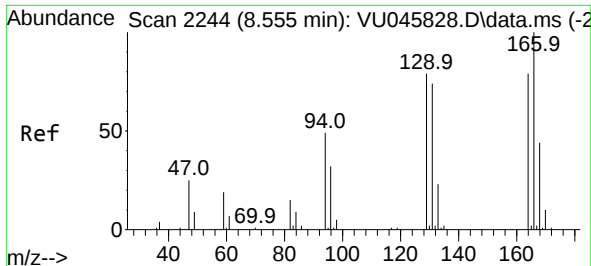
Tgt Ion: 83 Resp: 7829
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 8.1 39.0 58.6#



#38
Bromodichloromethane
Concen: 0.051 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VU045830.D
Acq: 17 Nov 2021 11:08

Tgt Ion: 83 Resp: 435
Ion Ratio Lower Upper
83 100
85 38.2 44.0 81.8#
127 0.0 6.3 9.5#





#47

Tetrachloroethene

Concen: 11.602 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. 0.003 min

Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 54531

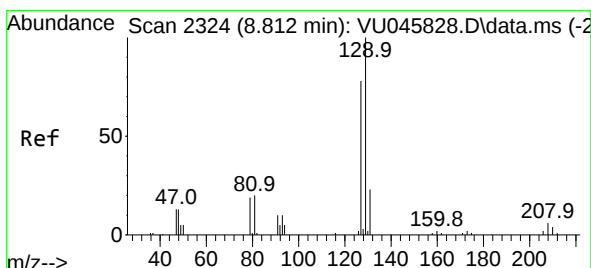
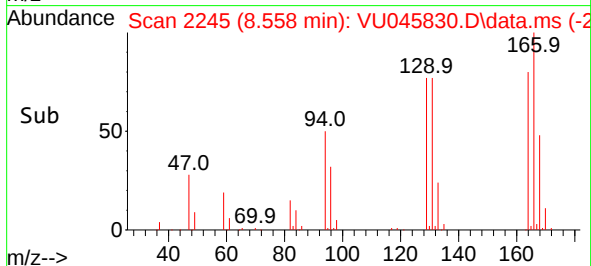
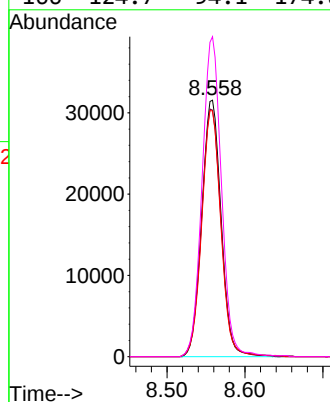
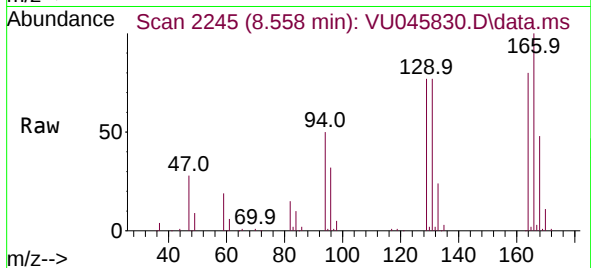
Ion Ratio Lower Upper

164 100

129 96.1 71.8 133.4

131 95.8 68.5 127.3

166 124.7 94.1 174.8



#49

Dibromochloromethane

Concen: 8.979 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045830.D

Acq: 17 Nov 2021 11:08

Tgt Ion:129 Resp: 52053

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#

