

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045810.D
 Acq On : 16 Nov 2021 16:26
 Operator : SY/MD
 Sample : M4686-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:51:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 04:49:52 2021
 Response via : Initial Calibration

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

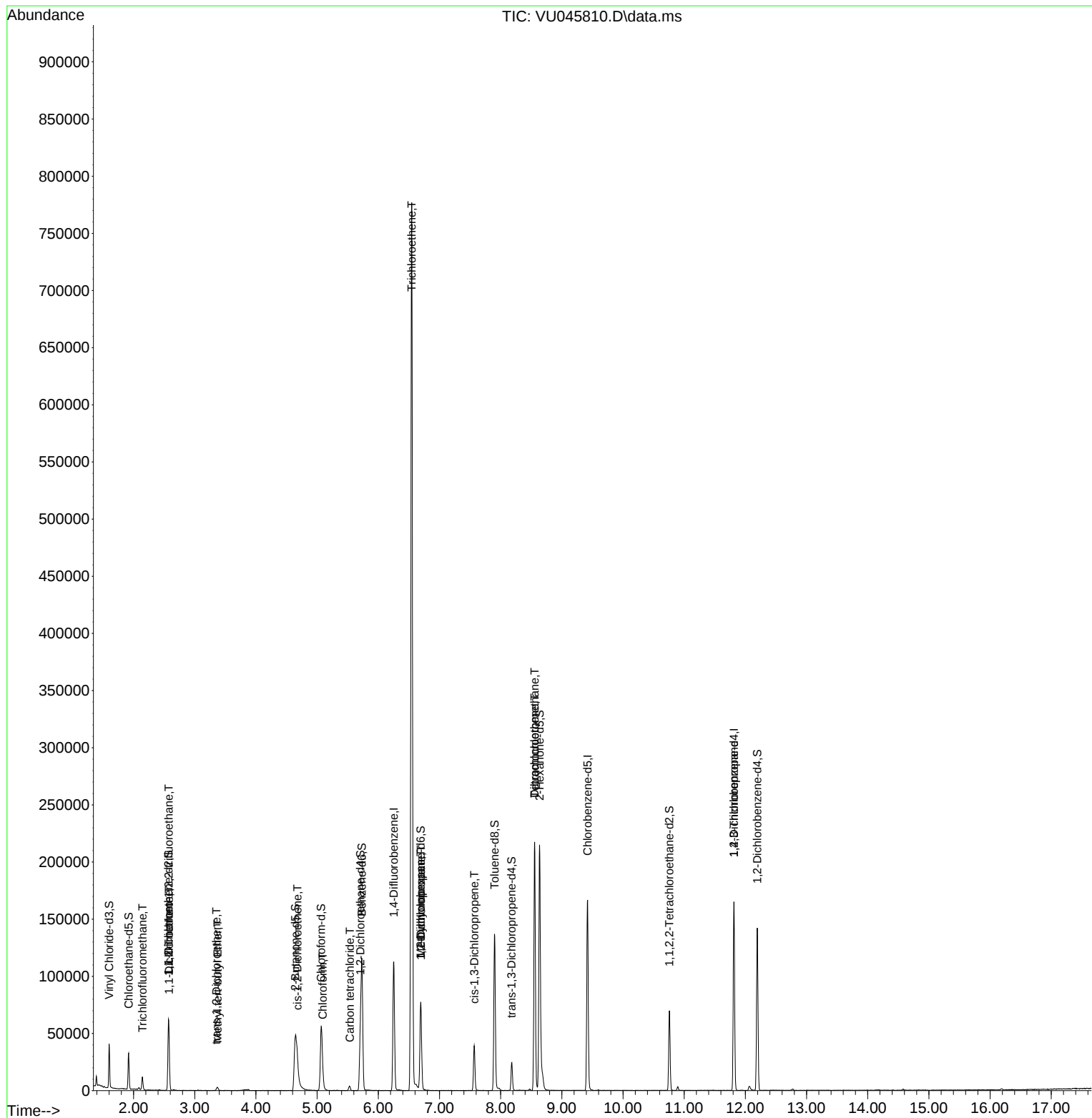
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	90420	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	93965	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43745	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	26692	3.726	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.919	69	22945	4.400	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.571	65	11890	3.957	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	4.645	46	108415	56.472	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.940%
24) Chloroform-d	5.067	84	50463	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.706	65	33264	4.750	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.732	84	107776	4.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.694	67	37009	4.538	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.899	98	93288	3.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.179	79	14143	4.272	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.636	63	77797	52.209	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.420%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34782	5.048	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	36294	4.832	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	7221	0.714	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	590	0.100	ug/L #	41
12) 1,1-Dichloroethene	2.581	96	763	0.136	ug/L #	1
17) Methyl tert-butyl Ether	3.372	73	3199	0.220	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	64	0.011	ug/L #	1
22) cis-1,2-Dichloroethene	4.678	96	5935	0.912	ug/L	96
25) Chloroform	5.092	83	8448	0.693	ug/L	94
31) Carbon tetrachloride	5.536	117	2717	0.316	ug/L	94
34) Trichloroethene	6.546	95	265248	39.251	ug/L	99
35) Methylcyclohexane	6.694	83	8527	0.822	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	3880	0.562	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	899	0.092	ug/L #	62
47) Tetrachloroethene	8.555	164	47144	9.965	ug/L	93
49) Dibromochloromethane	8.555	129	47625	8.162	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5641	1.242	ug/L #	66

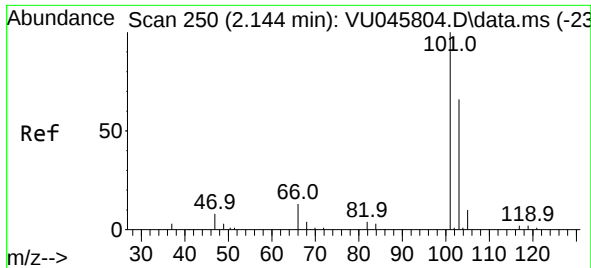
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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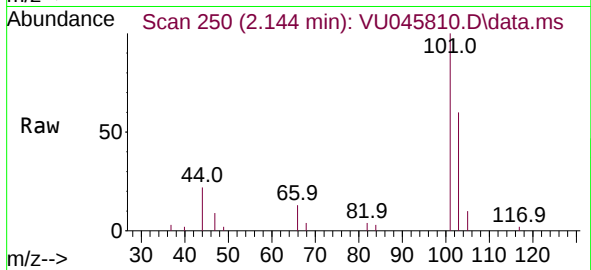
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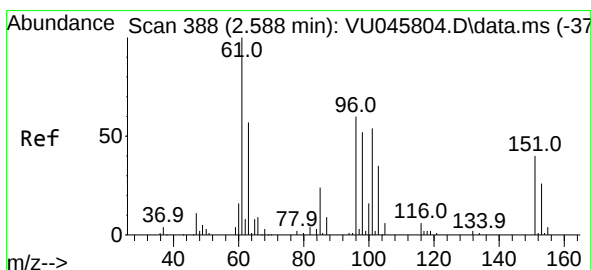
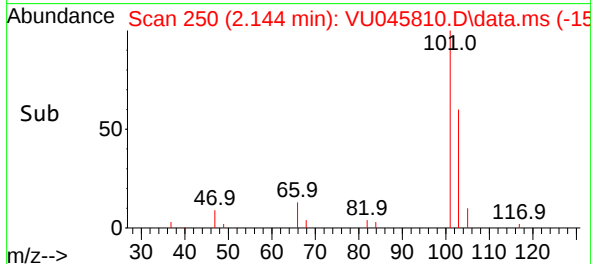
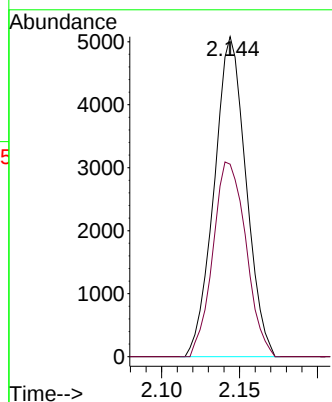


#9
 Trichlorofluoromethane
 Concen: 0.714 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU045810.D
 Acq: 16 Nov 2021 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

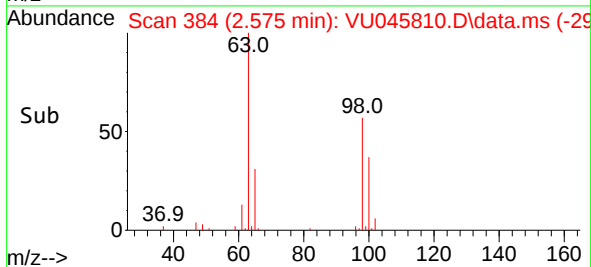
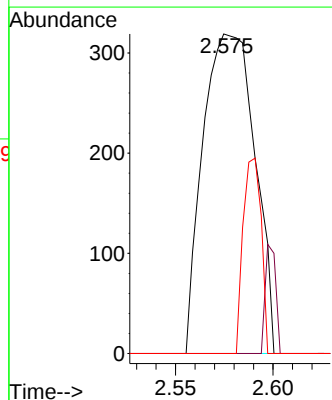
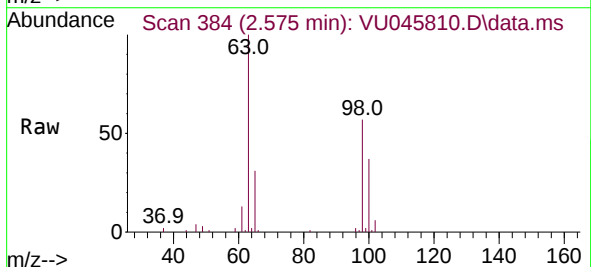


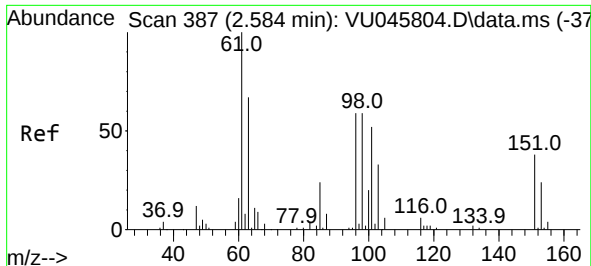
Tgt Ion:101 Resp: 7221
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.100 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU045810.D
 Acq: 16 Nov 2021 16:26

Tgt Ion:101 Resp: 590
 Ion Ratio Lower Upper
 101 100
 85 6.8 34.6 51.8#
 151 21.2 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.136 ug/L

RT: 2.581 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU045810.D

Acq: 16 Nov 2021 16:26

Instrument :

MSVOA_U

ClientSampleId :

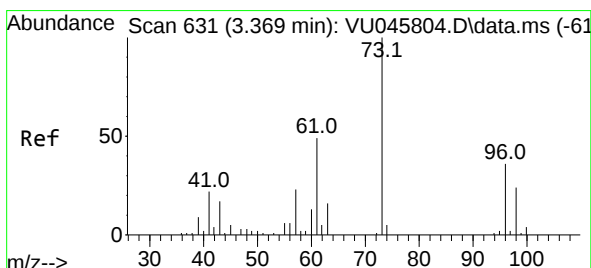
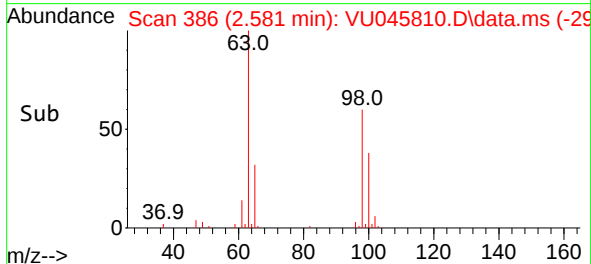
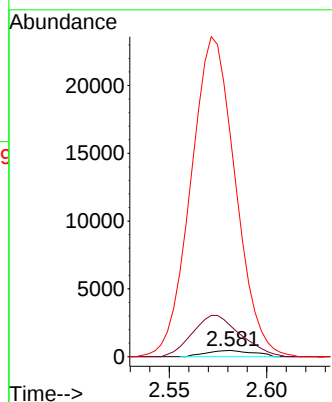
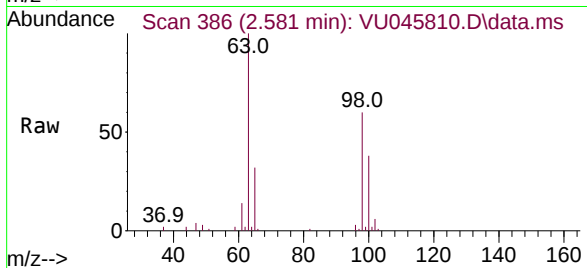
Tgt Ion: 96 Resp: 763

Ion Ratio Lower Upper

96 100

61 504.6 124.7 231.5#

63 3613.2 105.2 195.4#



#17

Methyl tert-butyl Ether

Concen: 0.220 ug/L

RT: 3.372 min Scan# 632

Delta R.T. 0.003 min

Lab File: VU045810.D

Acq: 16 Nov 2021 16:26

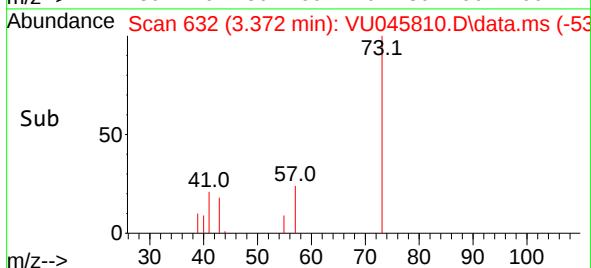
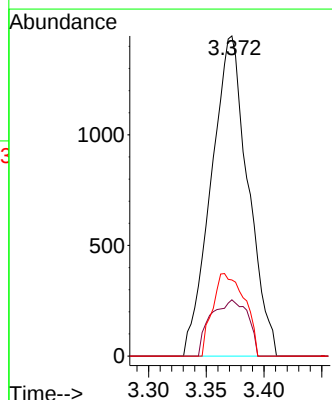
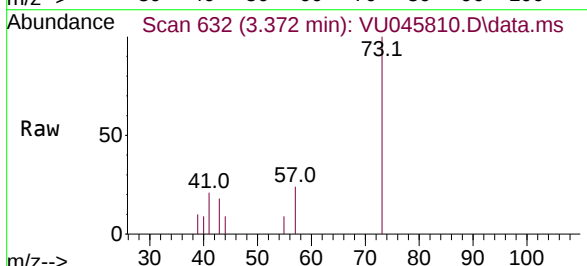
Tgt Ion: 73 Resp: 3199

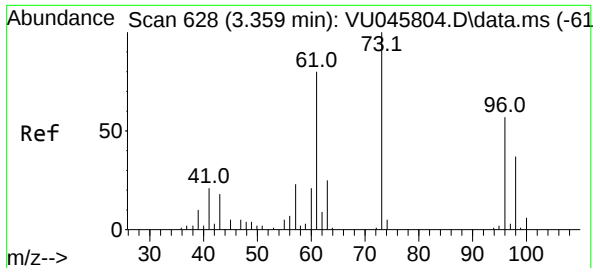
Ion Ratio Lower Upper

73 100

43 17.6 14.8 22.2

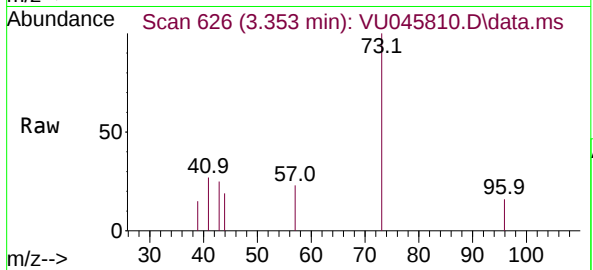
57 22.5 17.4 26.0



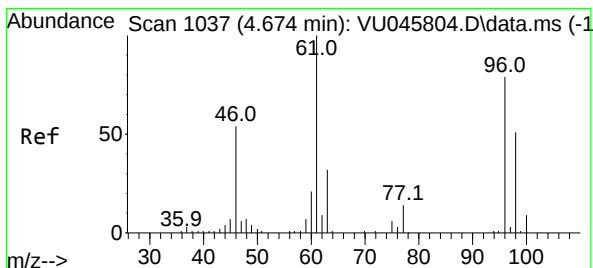
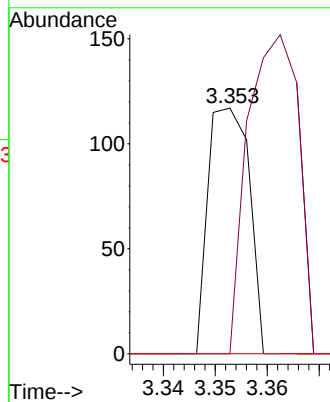
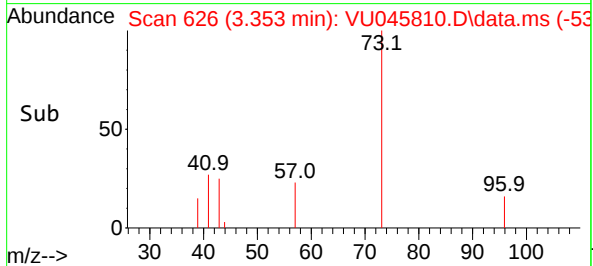


#18
trans-1,2-Dichloroethene
Concen: 0.011 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU045810.D
Acq: 16 Nov 2021 16:26

Instrument :
MSVOA_U
ClientSampleId :

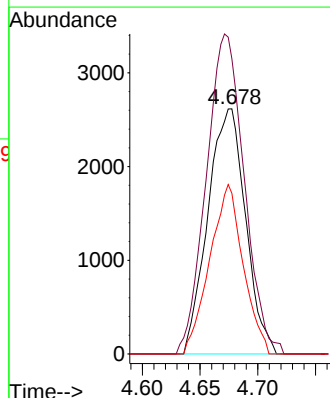
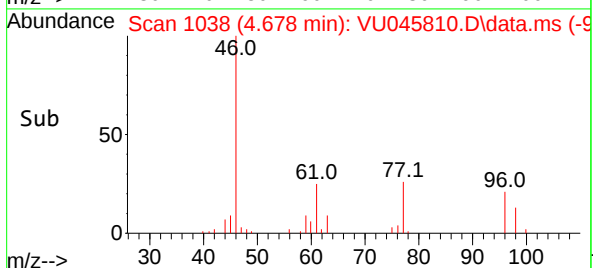
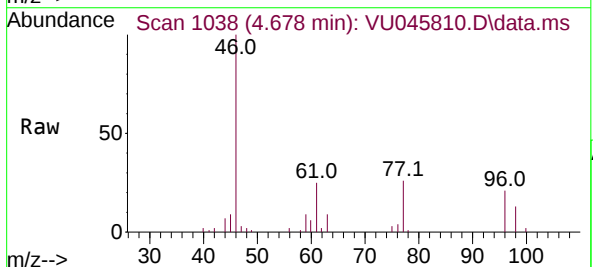


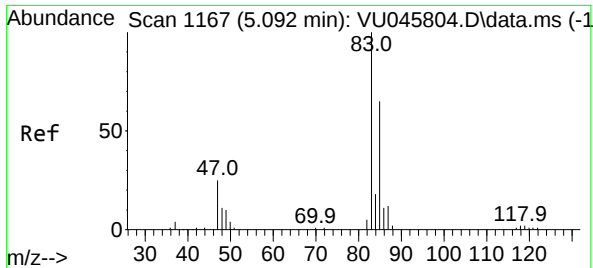
Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 100.8 187.2#
98 0.0 45.1 83.7#



#22
cis-1,2-Dichloroethene
Concen: 0.912 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU045810.D
Acq: 16 Nov 2021 16:26

Tgt Ion: 96 Resp: 5935
Ion Ratio Lower Upper
96 100
61 120.5 88.5 164.3
98 65.6 44.4 82.5





#25

Chloroform

Concen: 0.693 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045810.D

Acq: 16 Nov 2021 16:26

Instrument :

MSVOA_U

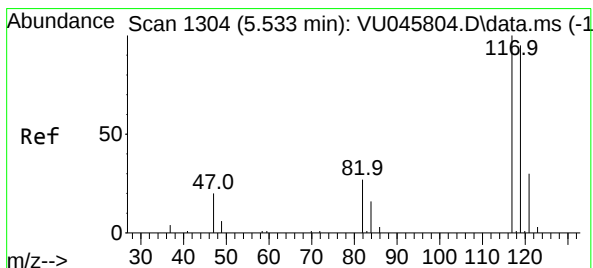
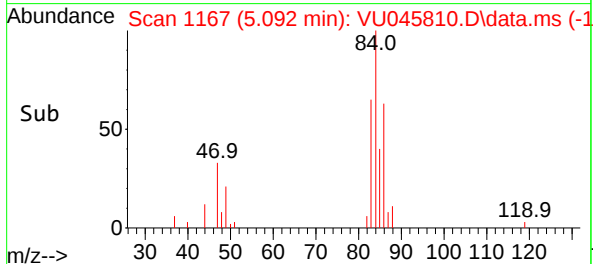
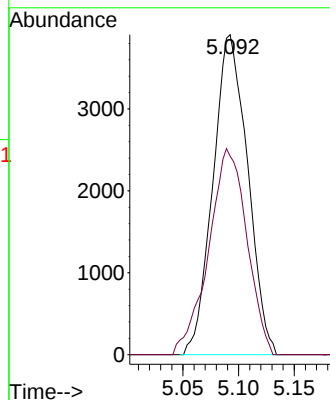
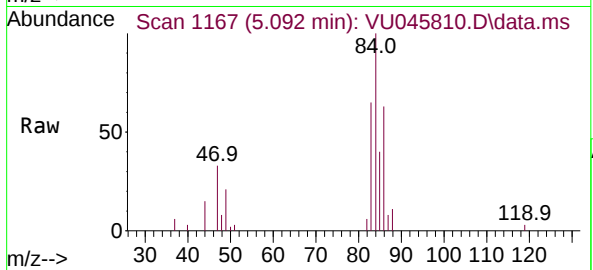
ClientSampleId :

Tgt Ion: 83 Resp: 8448

Ion Ratio Lower Upper

83 100

85 62.0 46.9 87.1



#31

Carbon tetrachloride

Concen: 0.316 ug/L

RT: 5.536 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VU045810.D

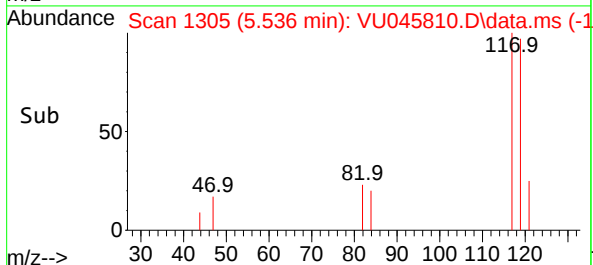
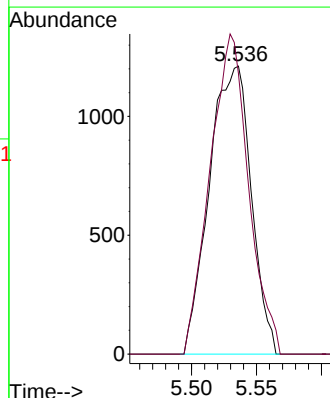
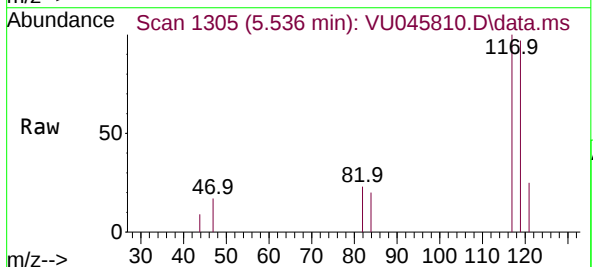
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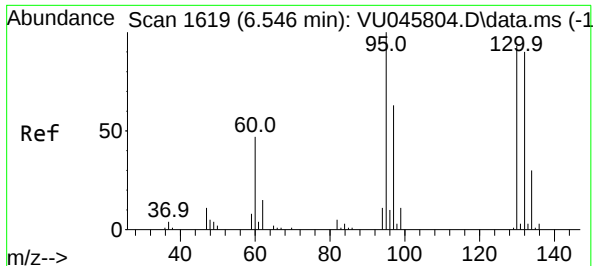
Tgt Ion: 117 Resp: 2717

Ion Ratio Lower Upper

117 100

119 102.5 77.5 116.3

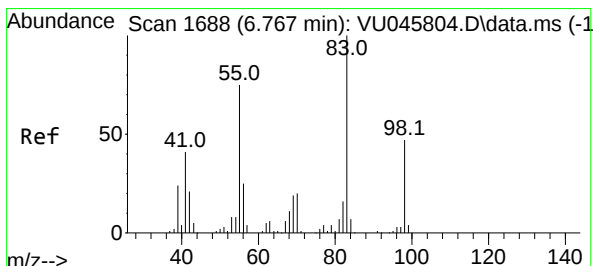
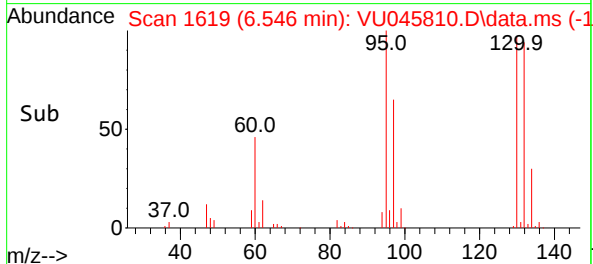
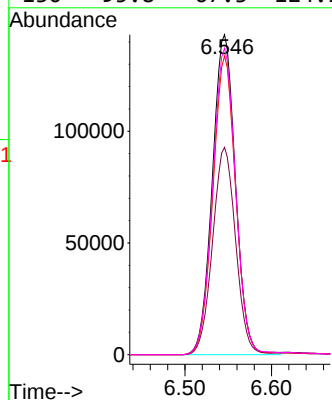
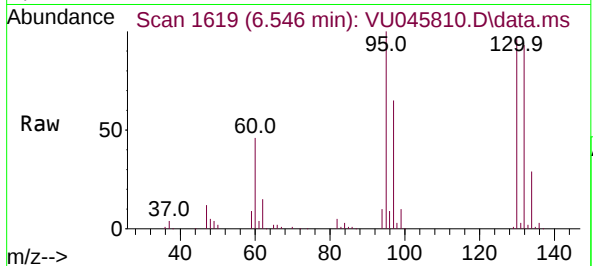




#34
Trichloroethene
Concen: 39.251 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045810.D
Acq: 16 Nov 2021 16:26

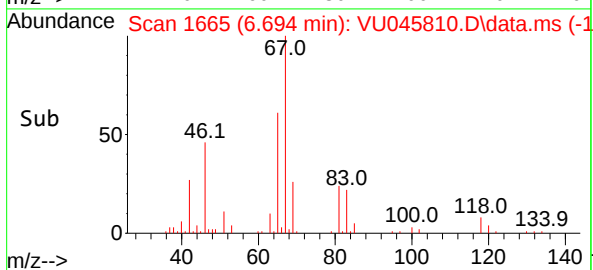
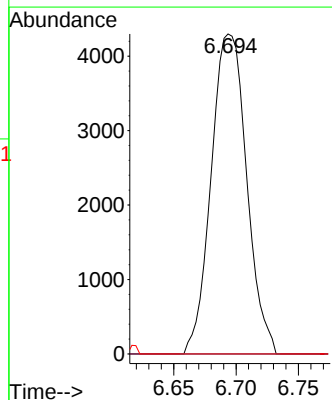
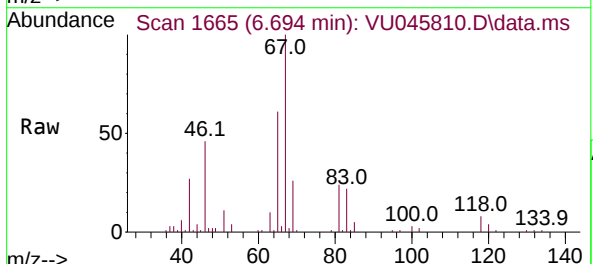
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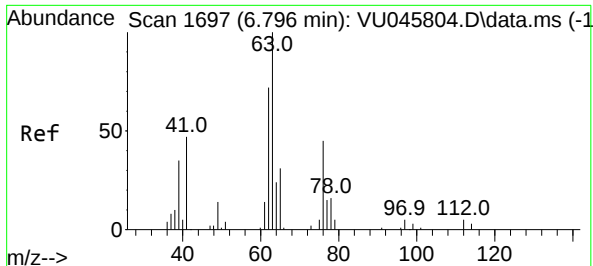
Tgt Ion: 95 Resp: 265248
Ion Ratio Lower Upper
95 100
97 64.8 46.5 86.5
132 93.3 65.1 120.9
130 95.8 67.3 124.9



#35
Methylcyclohexane
Concen: 0.822 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045810.D
Acq: 16 Nov 2021 16:26

Tgt Ion: 83 Resp: 8527
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.562 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU045810.D

Acq: 16 Nov 2021 16:26

Instrument :

MSVOA_U

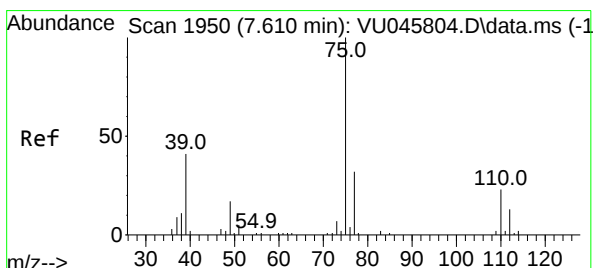
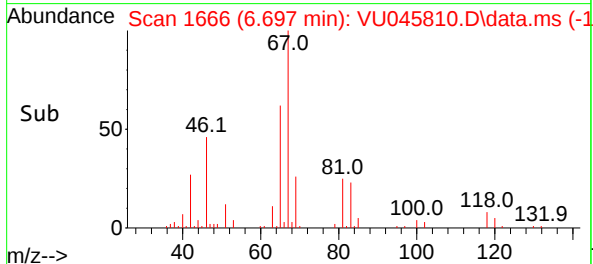
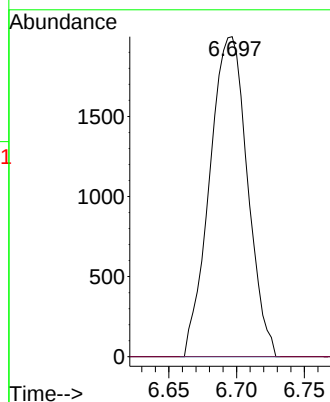
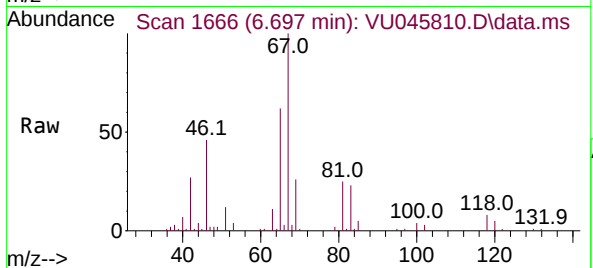
ClientSampleId :

Tgt Ion: 63 Resp: 3880

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU045810.D

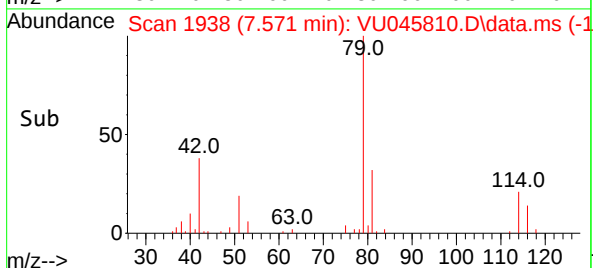
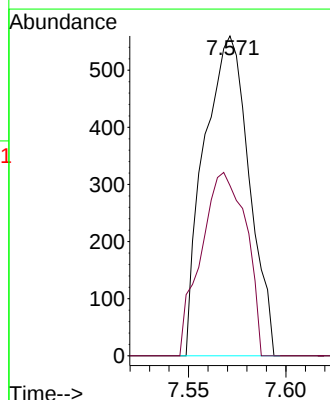
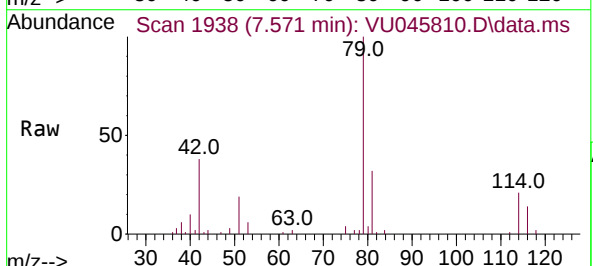
Acq: 16 Nov 2021 16:26

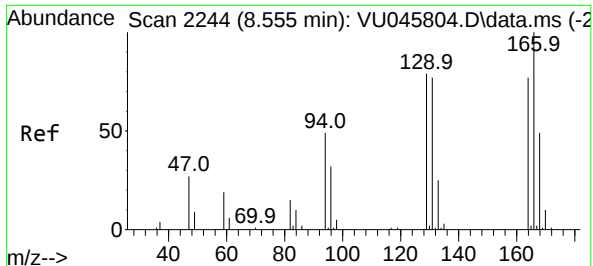
Tgt Ion: 75 Resp: 899

Ion Ratio Lower Upper

75 100

77 53.2 22.5 41.9#





#47

Tetrachloroethene

Concen: 9.965 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045810.D

Acq: 16 Nov 2021 16:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 47144

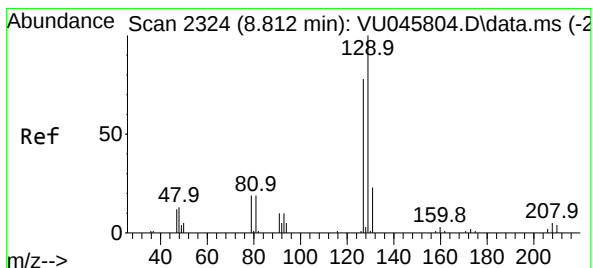
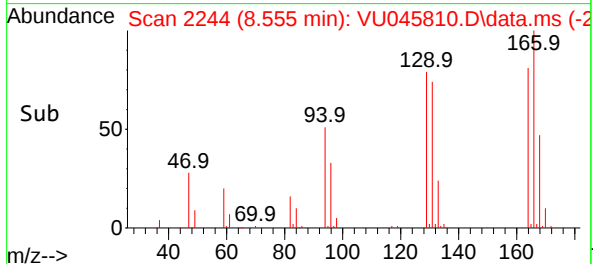
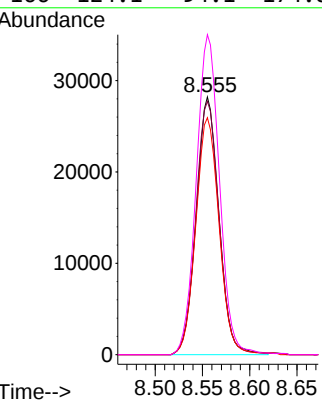
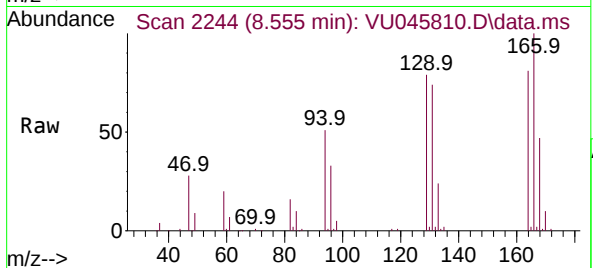
Ion Ratio Lower Upper

164 100

129 98.3 71.8 133.4

131 91.9 68.5 127.3

166 124.1 94.1 174.8



#49

Dibromochloromethane

Concen: 8.162 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045810.D

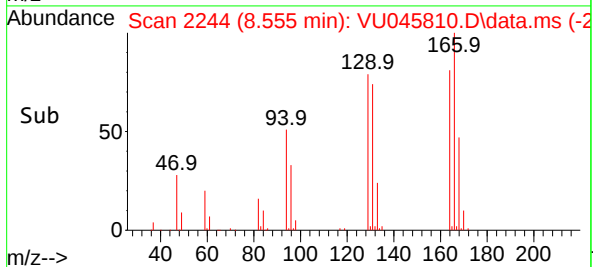
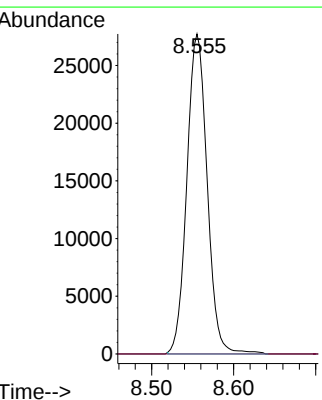
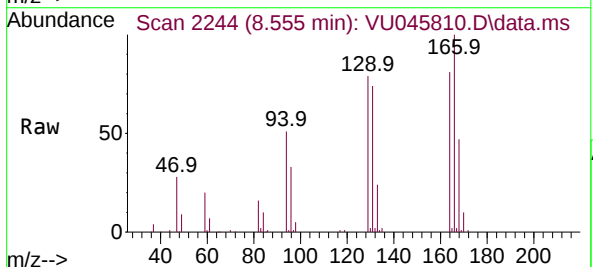
Acq: 16 Nov 2021 16:26

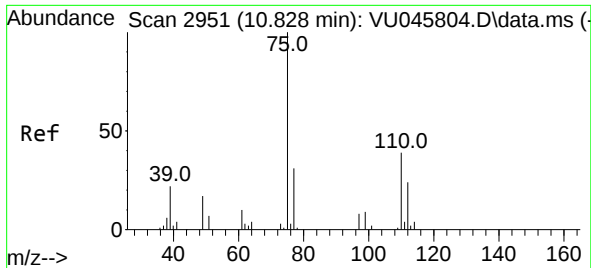
Tgt Ion:129 Resp: 47625

Ion Ratio Lower Upper

129 100

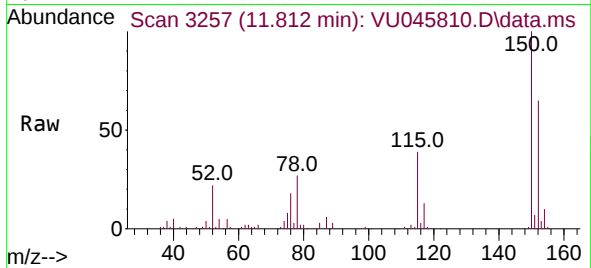
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.242 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.984 min
 Lab File: VU045810.D
 Acq: 16 Nov 2021 16:26

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5641
 Ion Ratio Lower Upper
 75 100
 110 0.0 29.9 44.9#
 77 32.4 25.5 38.3

