

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045821.D
 Acq On : 16 Nov 2021 20:50
 Operator : SY/MD
 Sample : M4686-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:53:54 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)

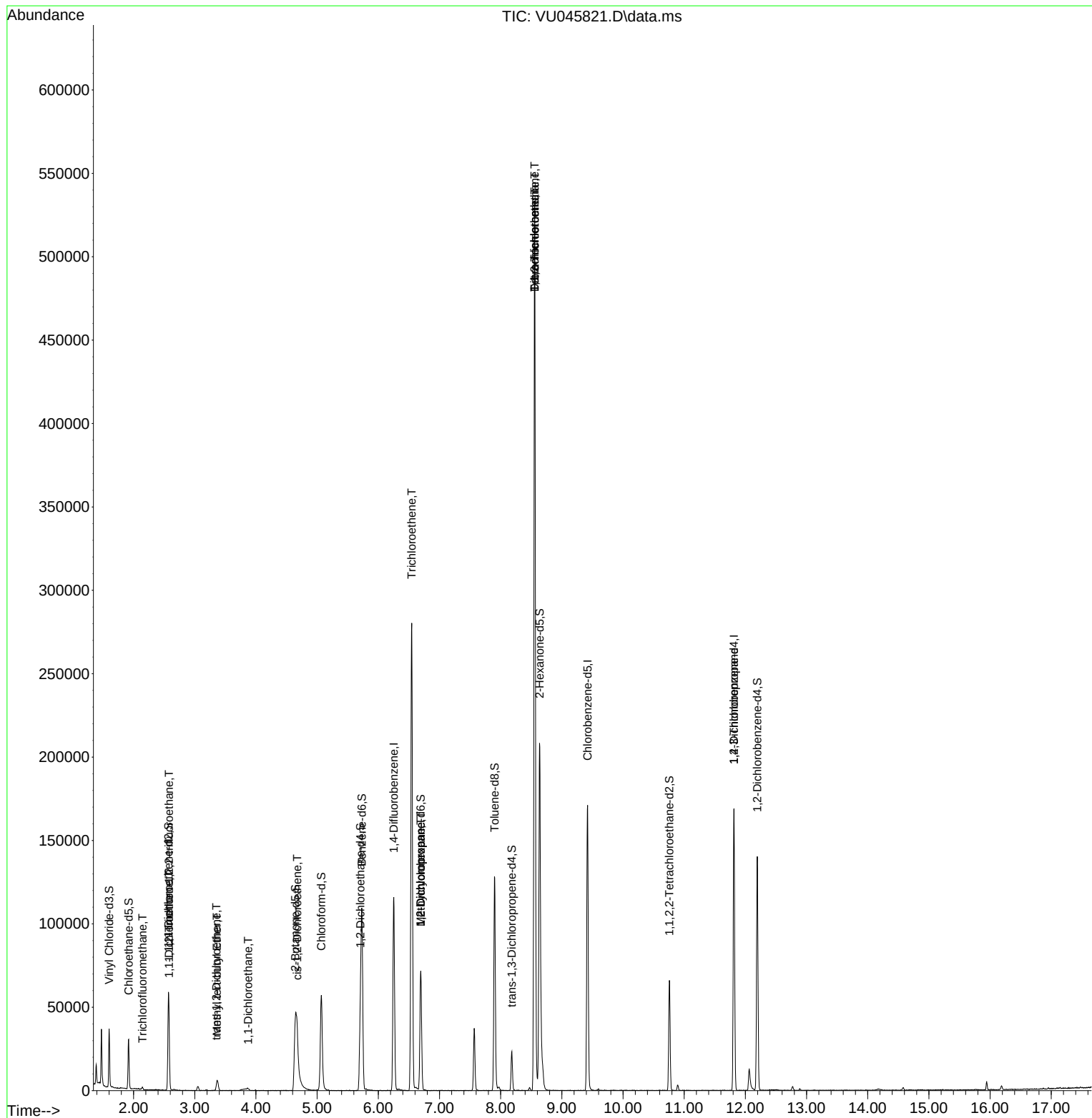
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	92459	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	95864	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43742	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	24359	3.325	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.919	69	21286	3.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.572	65	10890	3.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.800%
20) 2-Butanone-d5	4.645	46	106850	54.429	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.860%
24) Chloroform-d	5.070	84	52870	4.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.707	65	31552	4.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.732	84	102043	3.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.694	67	35078	4.216	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.899	98	86386	3.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
43) trans-1,3-Dichloroprop...	8.182	79	13415	3.972	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.636	63	76047	50.023	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.040%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32791	4.665	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	36140	4.812	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	818	0.079	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	260	0.043	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	758	0.132	ug/L #	1
17) Methyl tert-butyl Ether	3.363	73	6985	0.469	ug/L #	92
18) trans-1,2-Dichloroethene	3.353	96	209	0.034	ug/L #	41
19) 1,1-Dichloroethane	3.874	63	1094	0.095	ug/L #	84
22) cis-1,2-Dichloroethene	4.674	96	6987	1.050	ug/L	95
34) Trichloroethene	6.546	95	95899	13.910	ug/L	99
35) Methylcyclohexane	6.694	83	7584	0.716	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	3597	0.511	ug/L #	88
45) 1,1,2-Trichloroethane	8.555	97	1025	0.196	ug/L #	1
47) Tetrachloroethene	8.555	164	114754	23.777	ug/L	97
49) Dibromochloromethane	8.555	129	113890	19.132	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5922	1.304	ug/L #	66

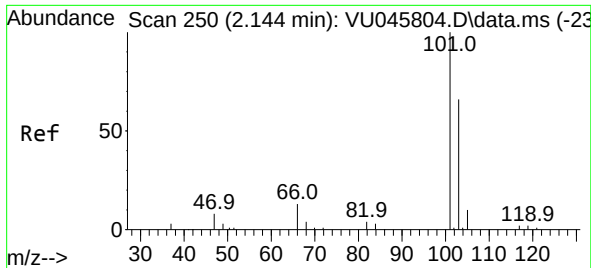
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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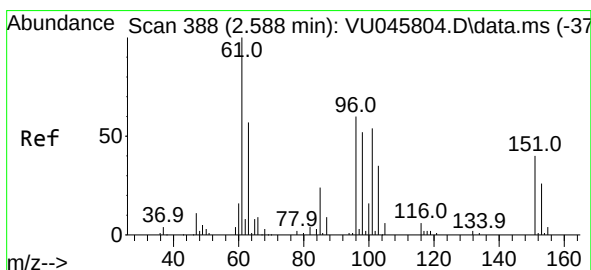
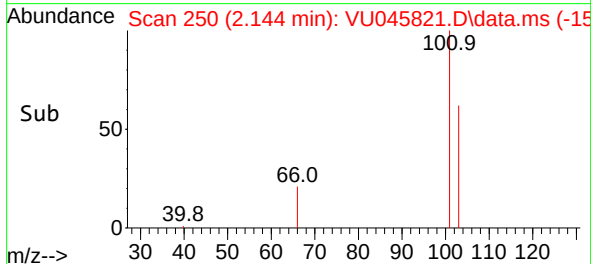
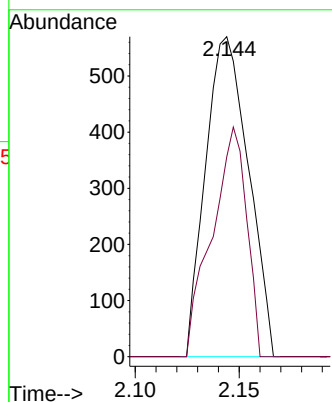
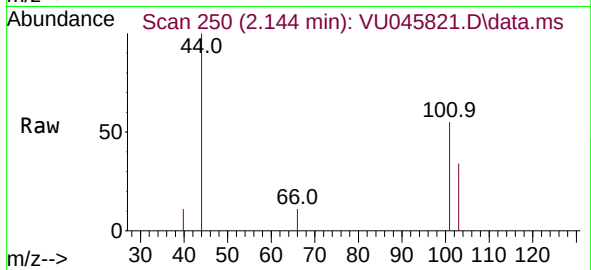




#9
 Trichlorofluoromethane
 Concen: 0.079 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU045821.D
 Acq: 16 Nov 2021 20:50

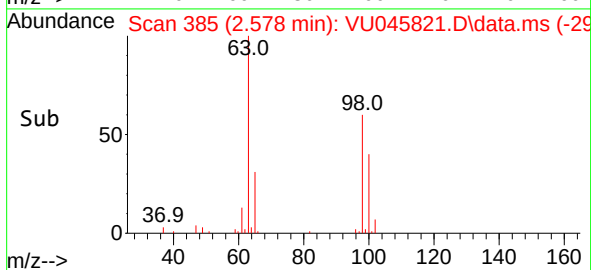
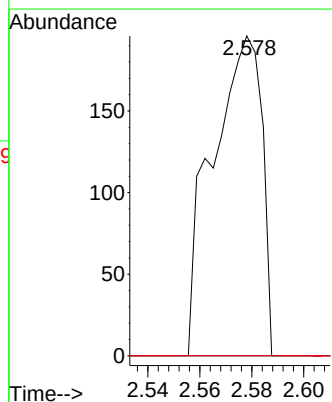
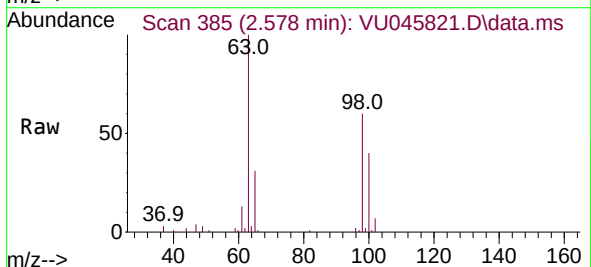
Instrument :
 MSVOA_U
 ClientSampleId :

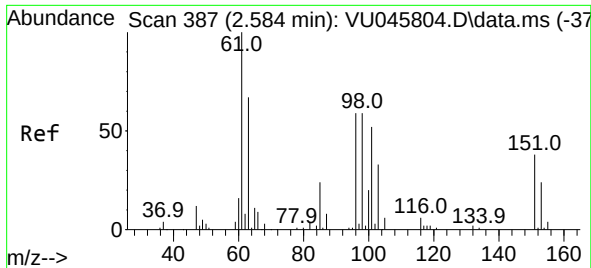
Tgt Ion:101 Resp: 818
 Ion Ratio Lower Upper
 101 100
 103 58.1 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.043 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU045821.D
 Acq: 16 Nov 2021 20:50

Tgt Ion:101 Resp: 260
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#

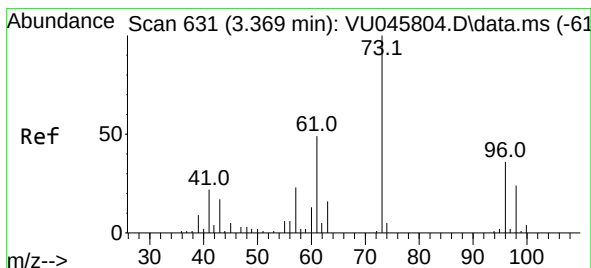
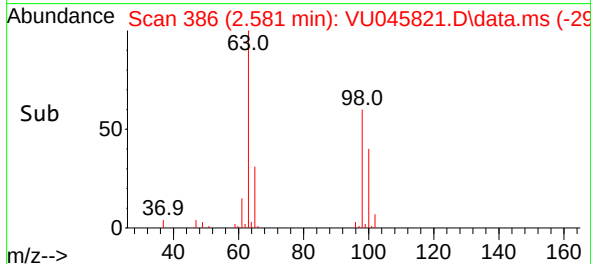
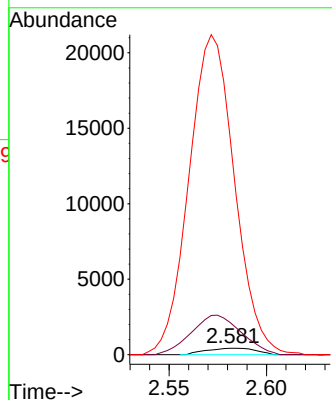
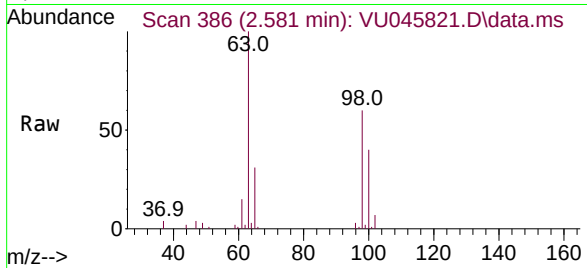




#12
1,1-Dichloroethene
Concen: 0.132 ug/L
RT: 2.581 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

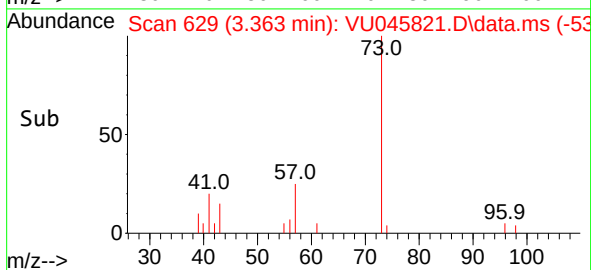
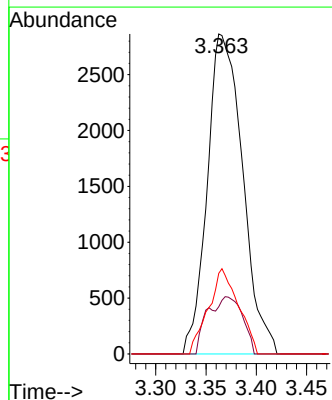
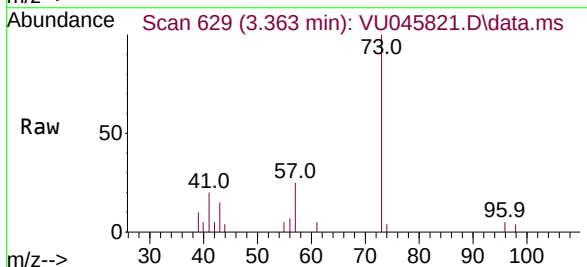
Instrument :
MSVOA_U
ClientSampleId :

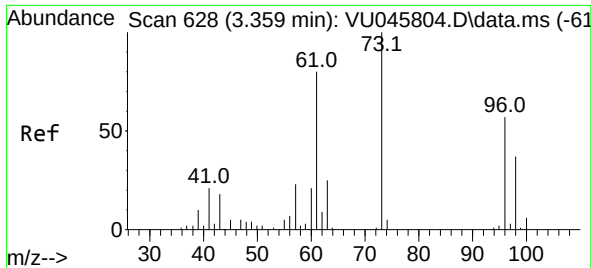
Tgt Ion: 96 Resp: 758
Ion Ratio Lower Upper
96 100
61 502.6 124.7 231.5#
63 3399.5 105.2 195.4#



#17
Methyl tert-butyl Ether
Concen: 0.469 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.006 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

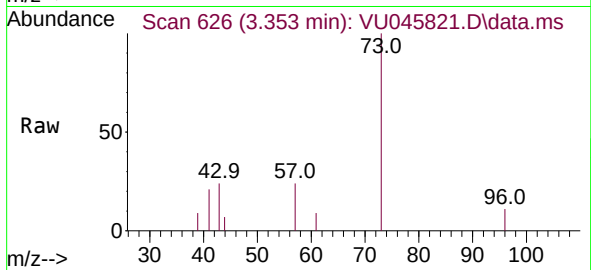
Tgt Ion: 73 Resp: 6985
Ion Ratio Lower Upper
73 100
43 12.0 14.8 22.2#
57 22.7 17.4 26.0



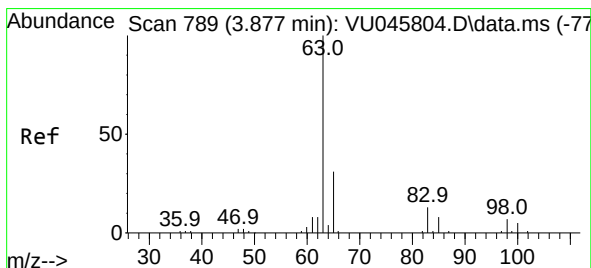
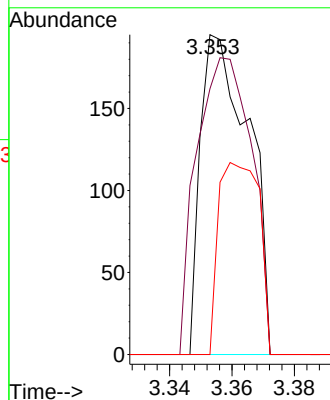
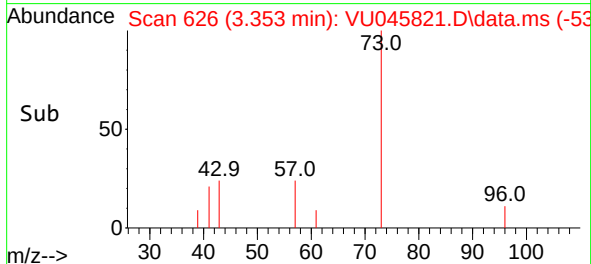


#18
trans-1,2-Dichloroethene
Concen: 0.034 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

Instrument :
MSVOA_U
ClientSampleId :

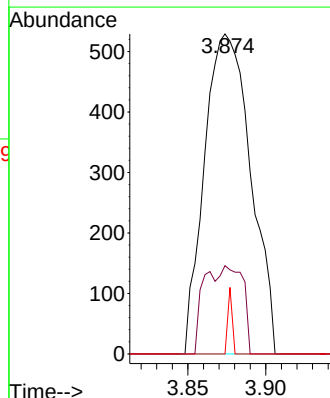
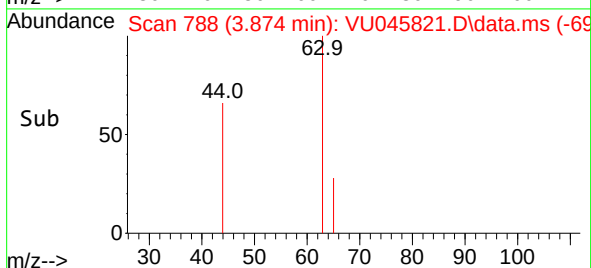
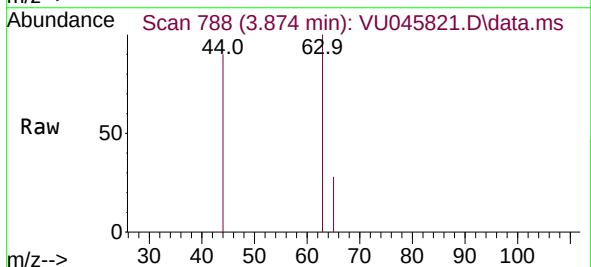


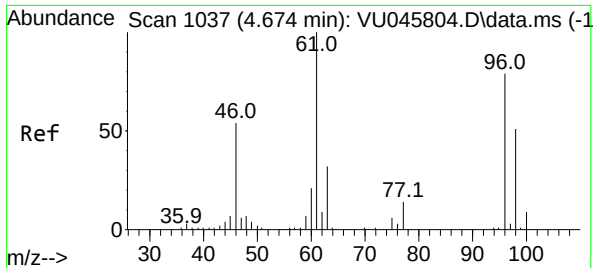
Tgt Ion: 96 Resp: 209
Ion Ratio Lower Upper
96 100
61 83.1 100.8 187.2#
98 0.0 45.1 83.7#



#19
1,1-Dichloroethane
Concen: 0.095 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

Tgt Ion: 63 Resp: 1094
Ion Ratio Lower Upper
63 100
65 27.6 22.3 41.5
83 0.0 9.6 17.8#

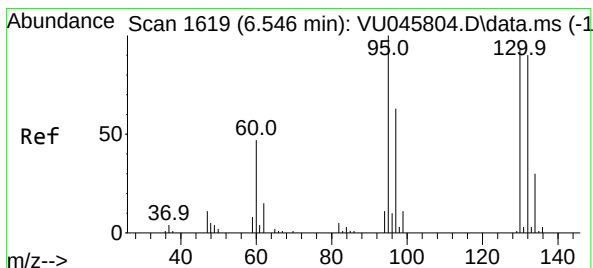
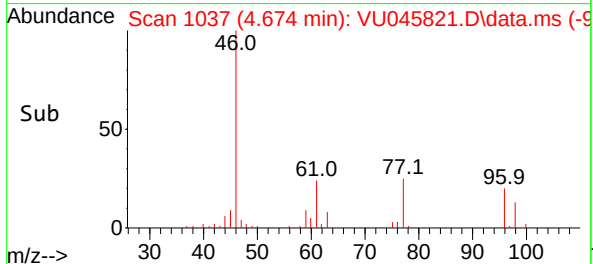
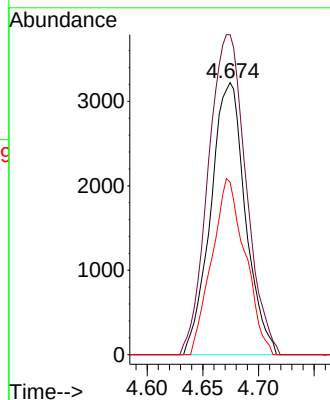
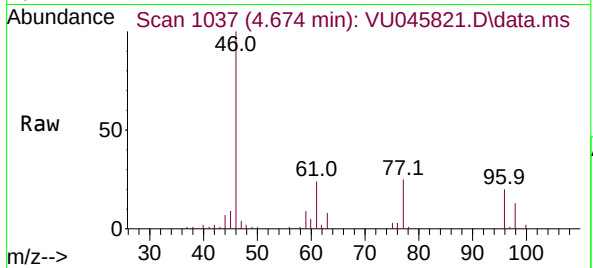




#22
 cis-1,2-Dichloroethene
 Concen: 1.050 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VU045821.D
 Acq: 16 Nov 2021 20:50

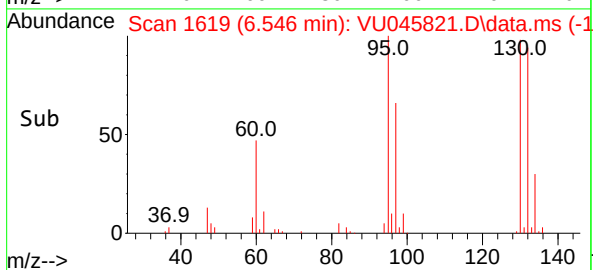
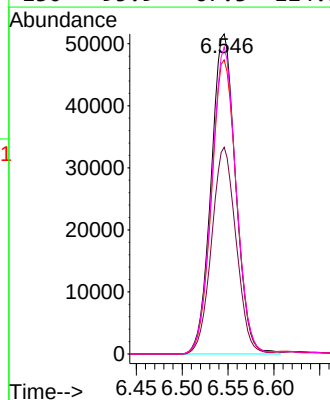
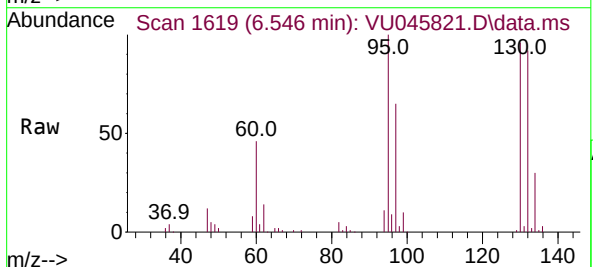
Instrument :
 MSVOA_U
 ClientSampleId :

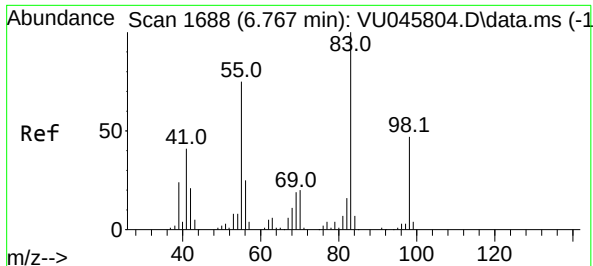
Tgt Ion:	96	Resp:	6987
Ion	Ratio	Lower	Upper
96	100		
61	117.6	88.5	164.3
98	63.3	44.4	82.5



#34
 Trichloroethene
 Concen: 13.910 ug/L
 RT: 6.546 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: VU045821.D
 Acq: 16 Nov 2021 20:50

Tgt Ion:	95	Resp:	95899
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.5	86.5
132	91.9	65.1	120.9
130	95.9	67.3	124.9

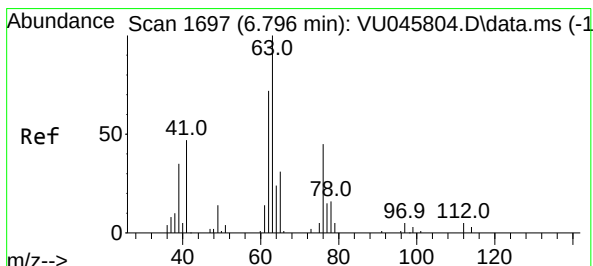
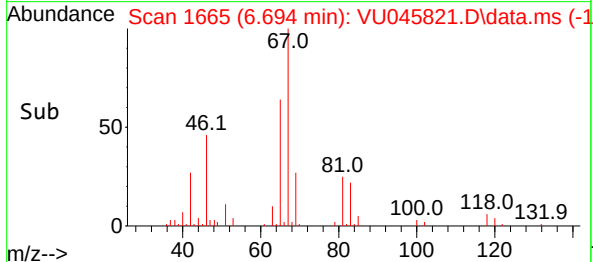
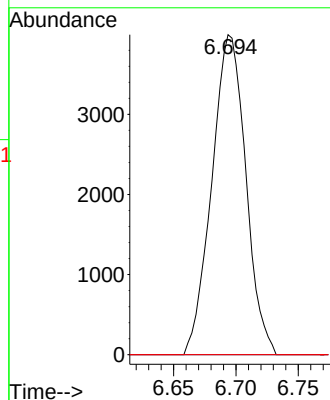
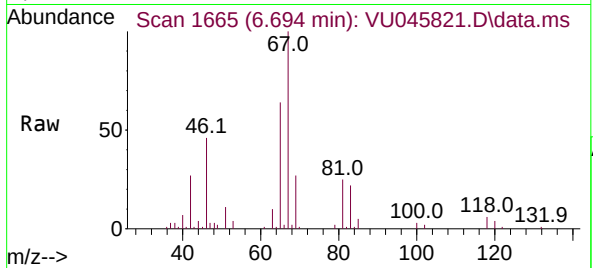




#35
Methylcyclohexane
Concen: 0.716 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

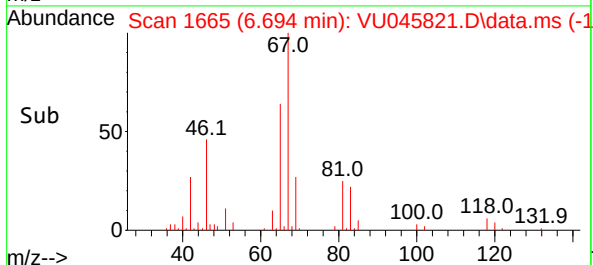
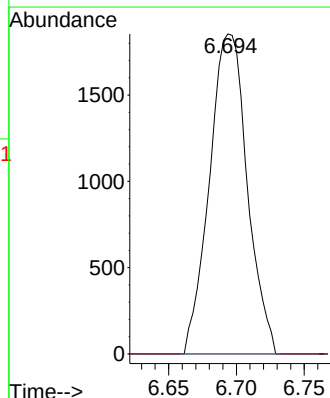
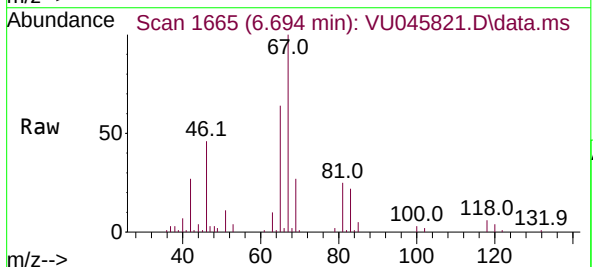
Instrument :
MSVOA_U
ClientSampleId :

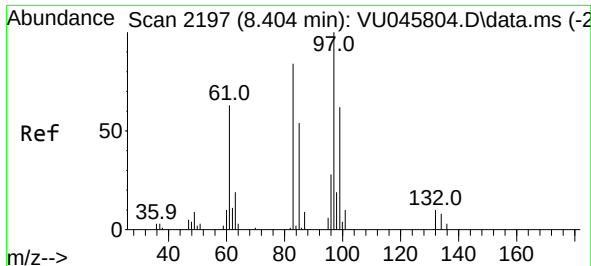
Tgt Ion: 83 Resp: 7584
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.511 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

Tgt Ion: 63 Resp: 3597
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#45

1,1,2-Trichloroethane

Concen: 0.196 ug/L

RT: 8.555 min Scan# 2197

Delta R.T. 0.151 min

Lab File: VU045821.D

Acq: 16 Nov 2021 20:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 1025

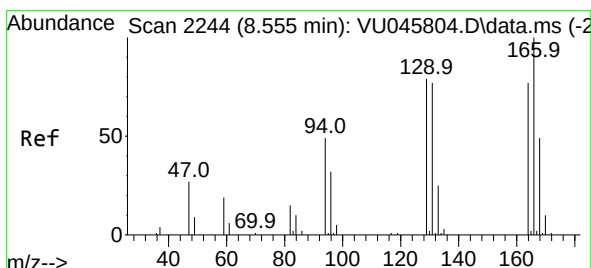
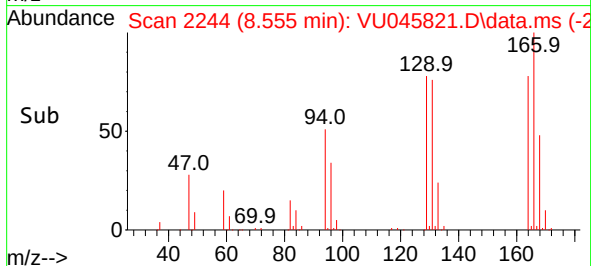
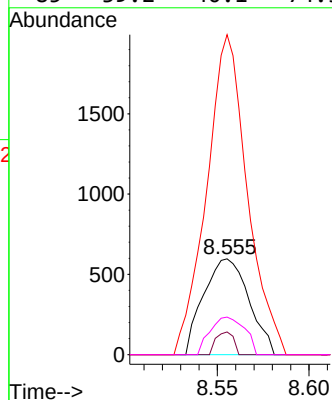
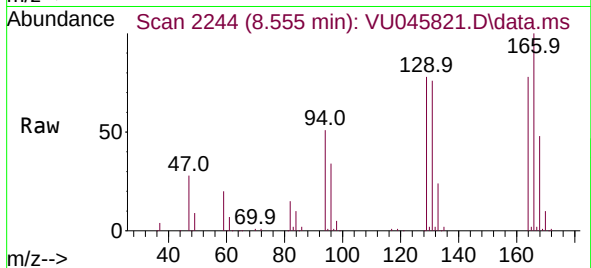
Ion Ratio Lower Upper

97 100

99 23.6 42.3 78.5#

83 333.8 62.0 115.2#

85 39.2 40.1 74.5#



#47

Tetrachloroethene

Concen: 23.777 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045821.D

Acq: 16 Nov 2021 20:50

Tgt Ion:164 Resp: 114754

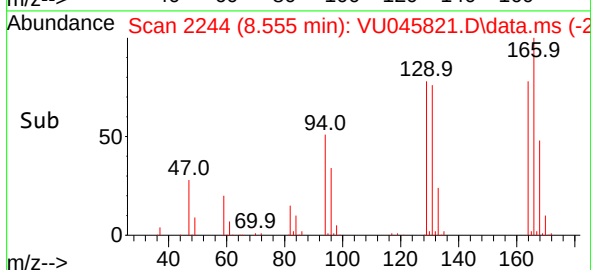
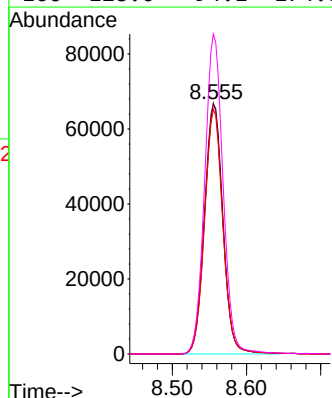
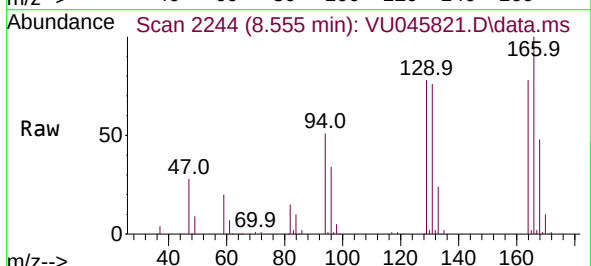
Ion Ratio Lower Upper

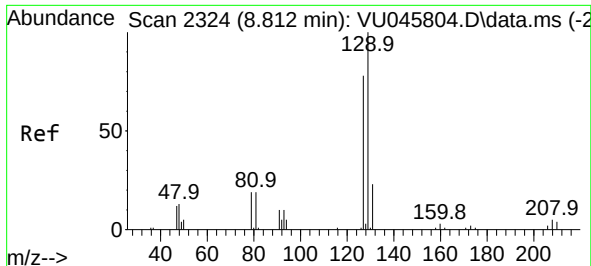
164 100

129 100.4 71.8 133.4

131 97.9 68.5 127.3

166 128.0 94.1 174.8

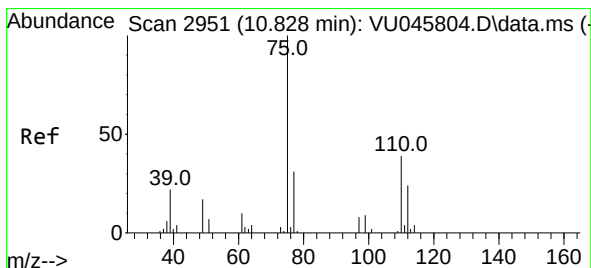
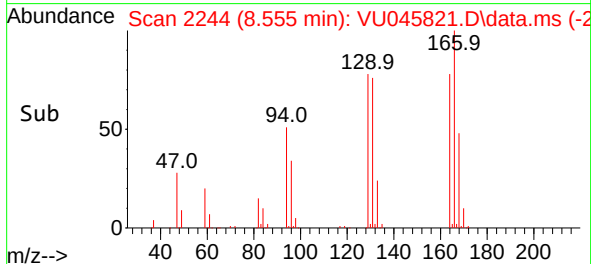
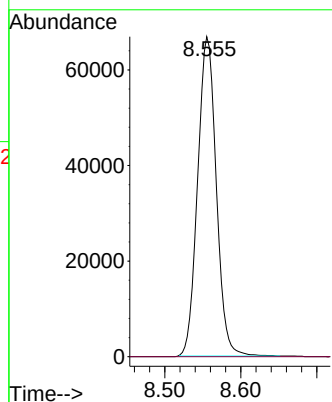
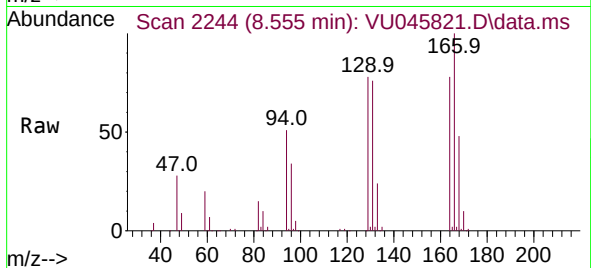




#49
Dibromochloromethane
Concen: 19.132 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 113890
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.304 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.984 min
Lab File: VU045821.D
Acq: 16 Nov 2021 20:50

Tgt Ion: 75 Resp: 5922
Ion Ratio Lower Upper
75 100
110 1.6 29.9 44.9#
77 29.8 25.5 38.3

