

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045852.D
 Acq On : 17 Nov 2021 20:04
 Operator : SY/MD
 Sample : M4664-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 02:24:05 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)

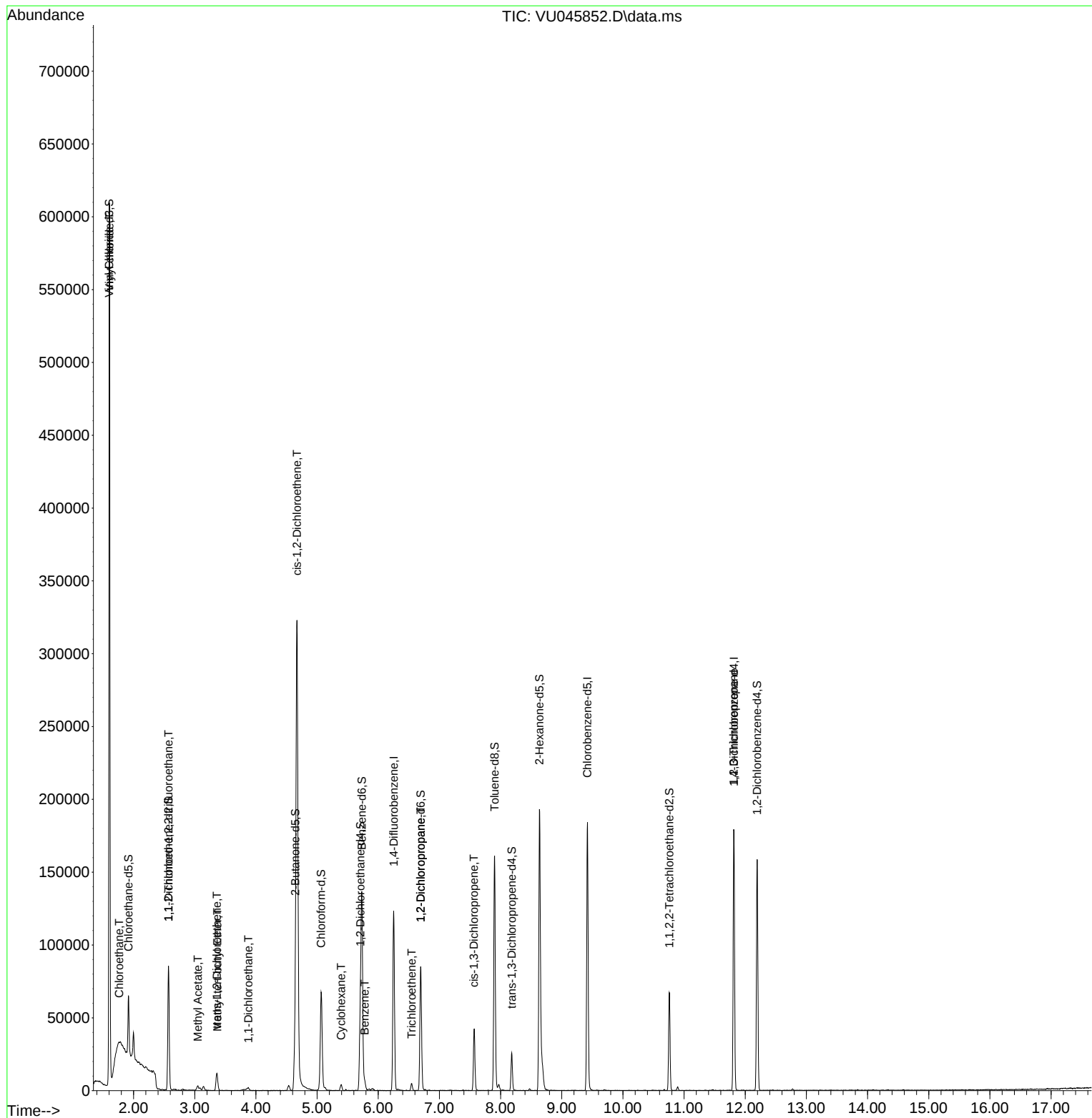
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	97375	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	102567	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	46700	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40692	5.274	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.400%
7) Chloroethane-d5	1.915	69	28682	5.107	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.200%
11) 1,1-Dichloroethene-d2	2.571	65	16200	5.007	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.200%
20) 2-Butanone-d5	4.645	46	96350	46.603	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.200%
24) Chloroform-d	5.066	84	62702	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.706	65	35331	4.685	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.732	84	128054	4.534	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.693	67	40397	4.538	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.902	98	108806	4.258	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	8.182	79	15334	4.243	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.635	63	69443	42.694	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.380%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33947	4.514	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	40176	5.010	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	373879	44.336	ug/L	99
8) Chloroethane	1.764	64	73781	15.345	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	508	0.080	ug/L #	21
15) Methyl Acetate	3.050	43	2164	0.725	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	1954	0.125	ug/L #	1
18) trans-1,2-Dichloroethene	3.362	96	3403	0.527	ug/L	92
19) 1,1-Dichloroethane	3.877	63	2443	0.202	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	156717	22.370	ug/L	98
30) Cyclohexane	5.394	56	1992	0.180	ug/L	99
33) Benzene	5.777	78	6707	0.234	ug/L	100
34) Trichloroethene	6.546	95	1756	0.238	ug/L	92
37) 1,2-Dichloropropane	6.693	63	4303	0.571	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1065	0.100	ug/L #	69
61) 1,2,3-Trichloropropane	11.812	75	6070	1.252	ug/L #	66

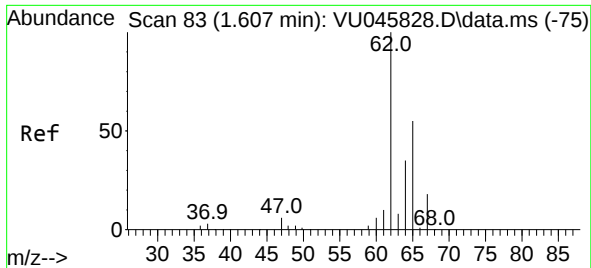
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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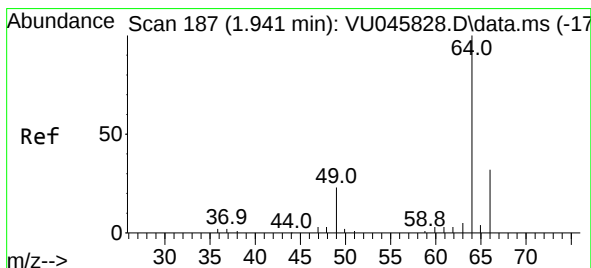
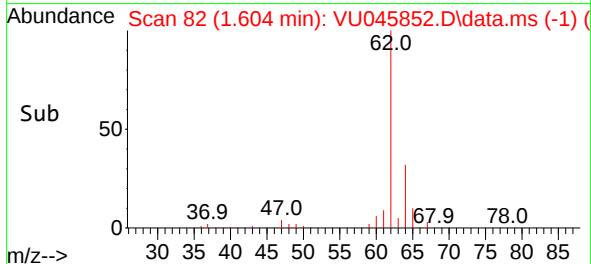
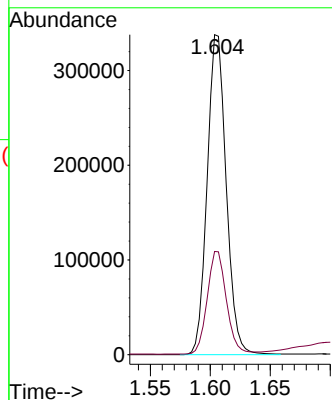
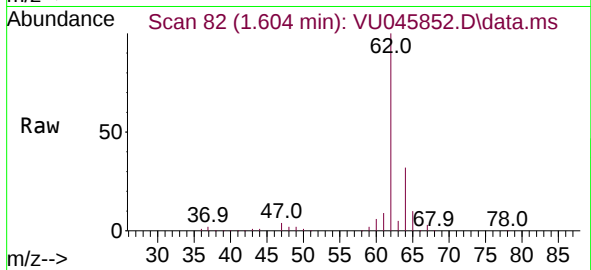




#5
 Vinyl chloride
 Concen: 44.336 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU045852.D
 Acq: 17 Nov 2021 20:04

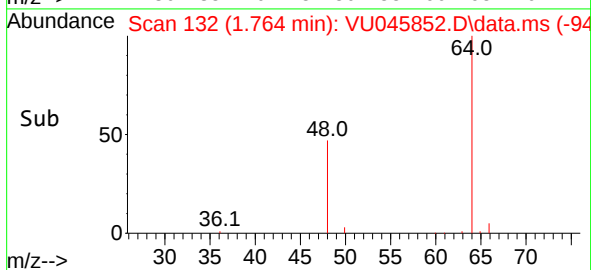
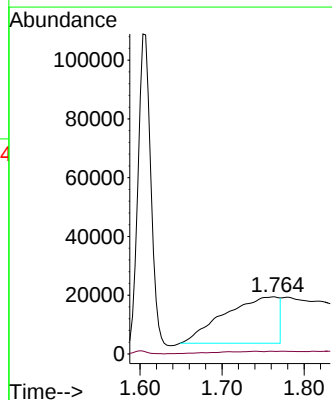
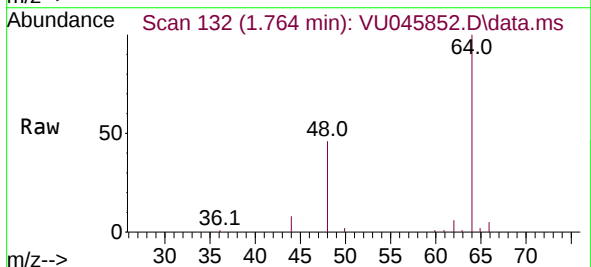
Instrument :
 MSVOA_U
 ClientSampleId :

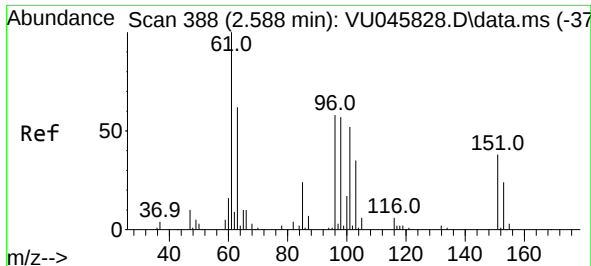
Tgt Ion: 62 Resp: 373879
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#8
 Chloroethane
 Concen: 15.345 ug/L
 RT: 1.764 min Scan# 132
 Delta R.T. -0.177 min
 Lab File: VU045852.D
 Acq: 17 Nov 2021 20:04

Tgt Ion: 64 Resp: 73781
 Ion Ratio Lower Upper
 64 100
 66 4.6 22.1 41.1#

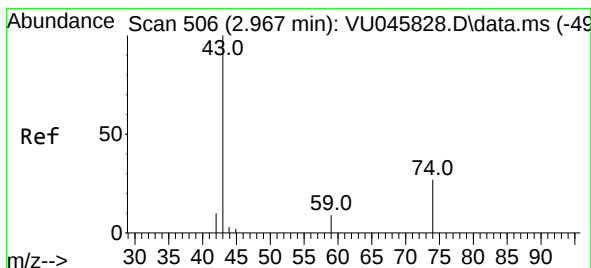
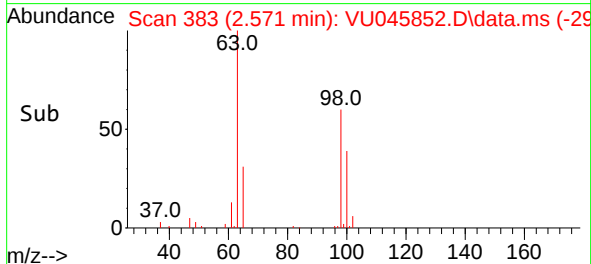
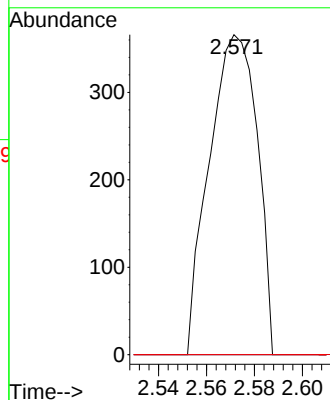
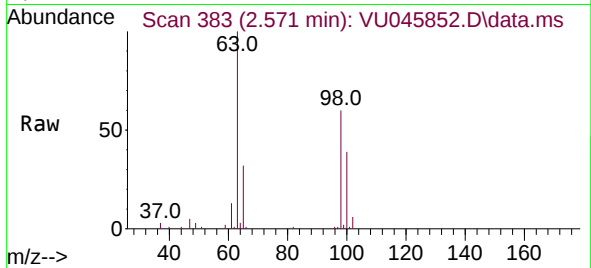




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.080 ug/L
RT: 2.571 min Scan# 311
Delta R.T. -0.016 min
Lab File: VU045852.D
Acq: 17 Nov 2021 20:04

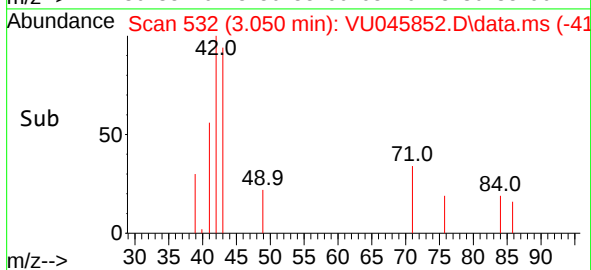
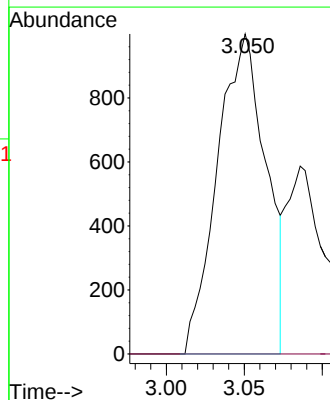
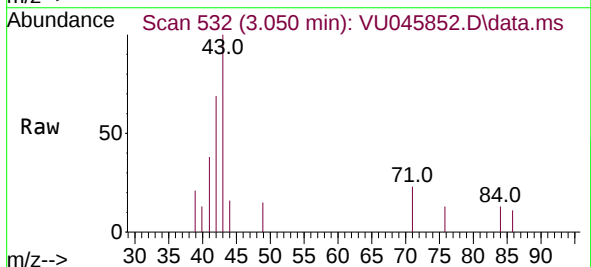
Instrument :
MSVOA_U
ClientSampleId :

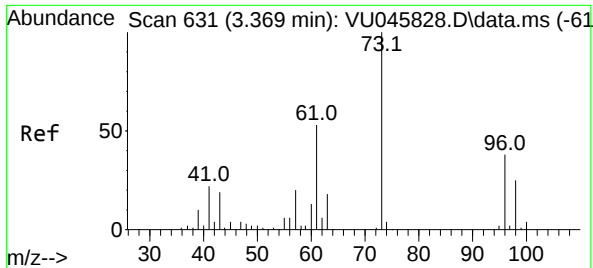
Tgt Ion:101 Resp: 508
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#15
Methyl Acetate
Concen: 0.725 ug/L
RT: 3.050 min Scan# 532
Delta R.T. 0.084 min
Lab File: VU045852.D
Acq: 17 Nov 2021 20:04

Tgt Ion: 43 Resp: 2164
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#





#17

Methyl tert-butyl Ether

Concen: 0.125 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU045852.D

Acq: 17 Nov 2021 20:04

Instrument :

MSVOA_U

ClientSampleId :

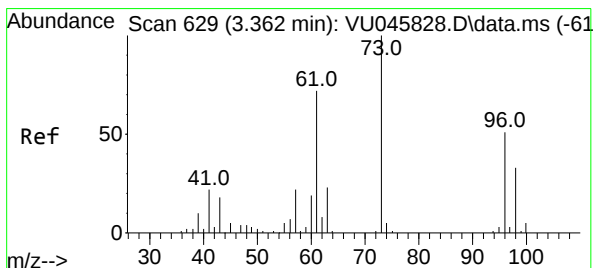
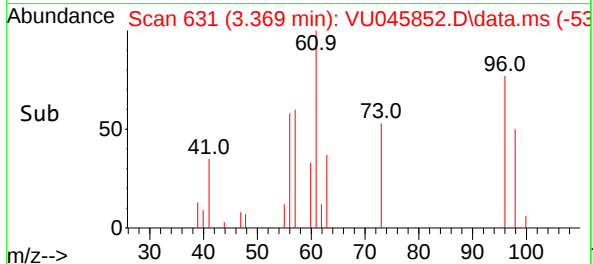
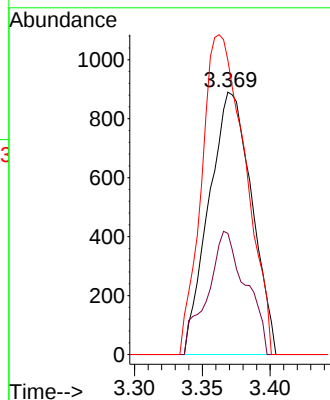
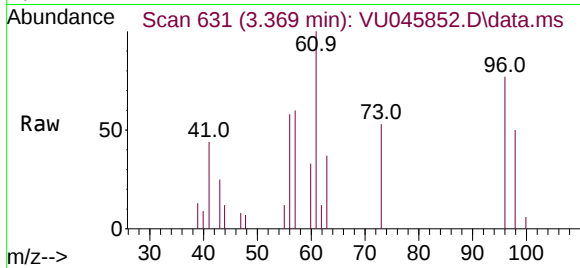
Tgt Ion: 73 Resp: 1954

Ion Ratio Lower Upper

73 100

43 42.2 14.8 22.2#

57 124.4 17.4 26.0#



#18

trans-1,2-Dichloroethene

Concen: 0.527 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU045852.D

Acq: 17 Nov 2021 20:04

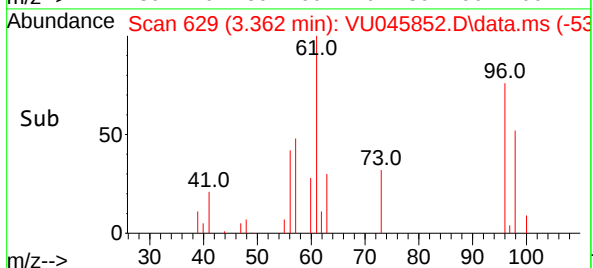
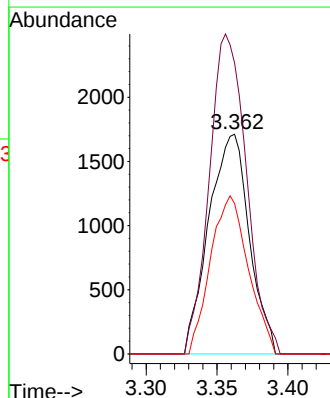
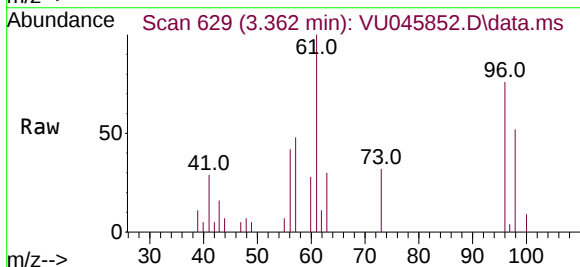
Tgt Ion: 96 Resp: 3403

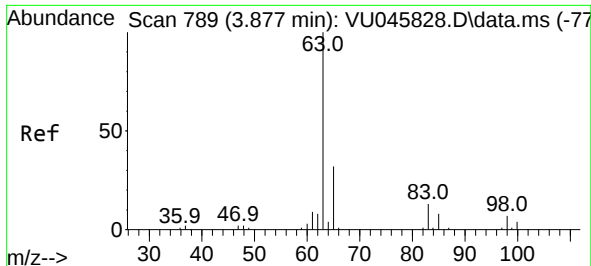
Ion Ratio Lower Upper

96 100

61 132.4 100.8 187.2

98 68.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.202 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU045852.D

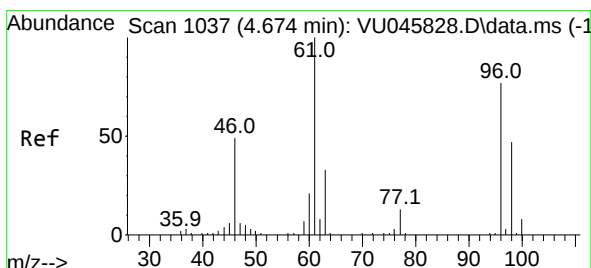
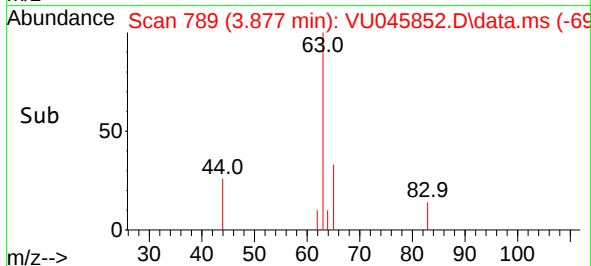
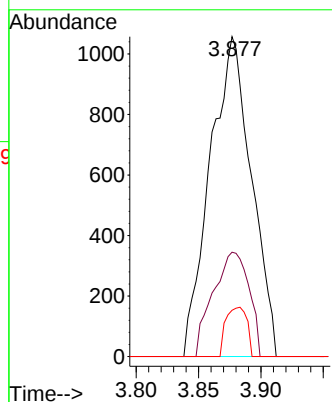
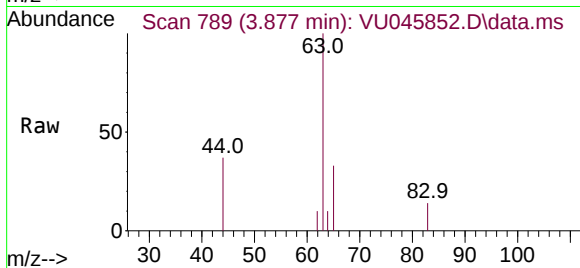
Acq: 17 Nov 2021 20:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 2443		
Ion Ratio	Lower	Upper	
63	100		
65	32.6	22.3	41.5
83	14.5	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 22.370 ug/L

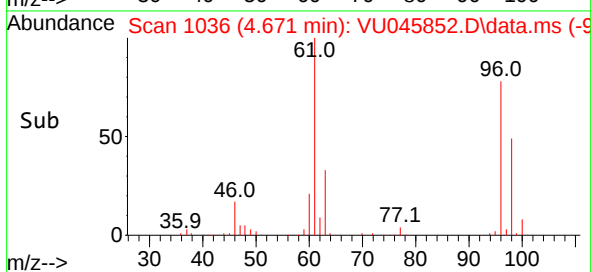
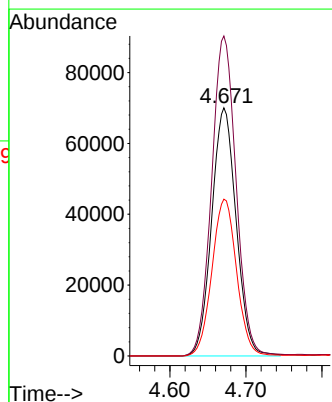
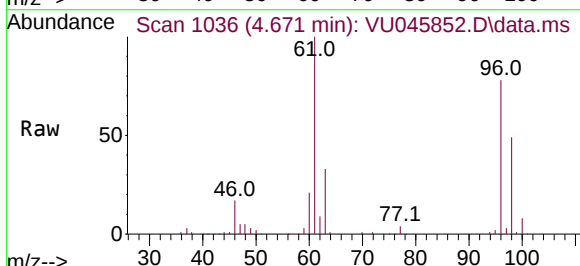
RT: 4.671 min Scan# 1036

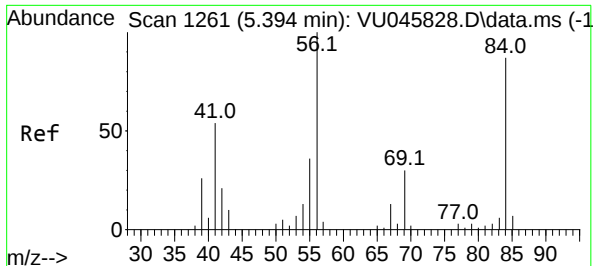
Delta R.T. -0.003 min

Lab File: VU045852.D

Acq: 17 Nov 2021 20:04

Tgt Ion: 96	Resp: 156717
Ion Ratio	Lower Upper
96 100	
61 128.9	88.5 164.3
98 63.2	44.4 82.5

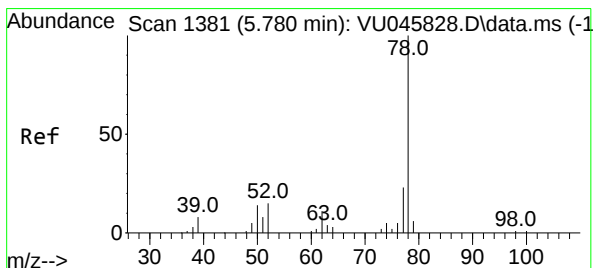
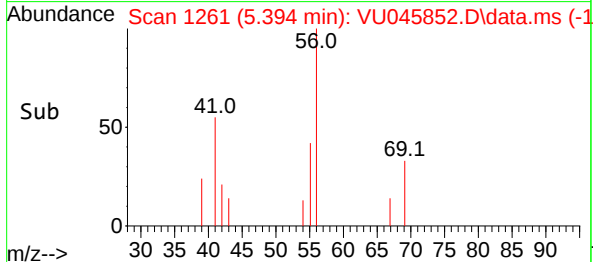
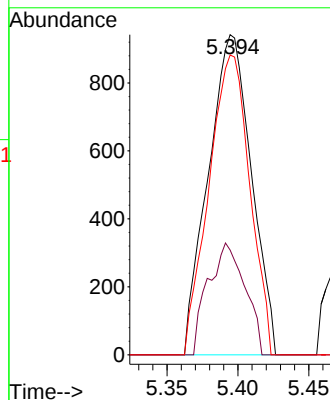
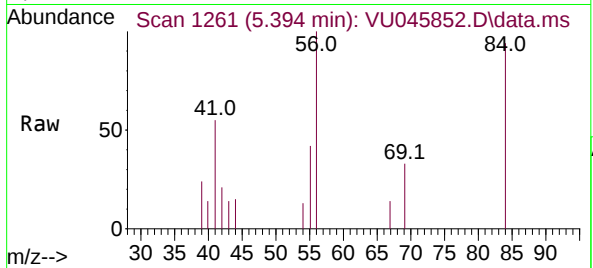




#30
Cyclohexane
Concen: 0.180 ug/L
RT: 5.394 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045852.D
Acq: 17 Nov 2021 20:04

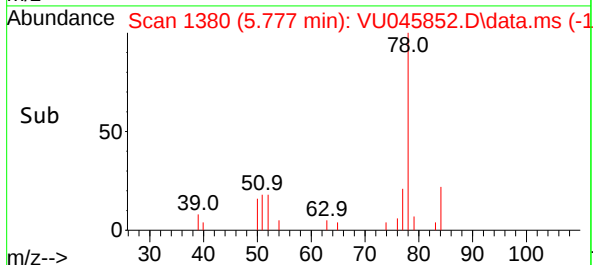
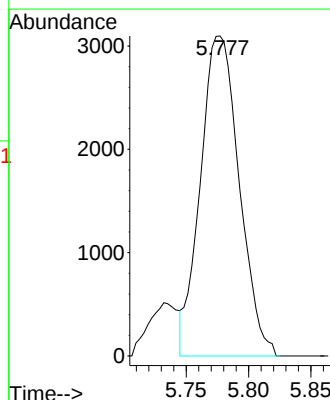
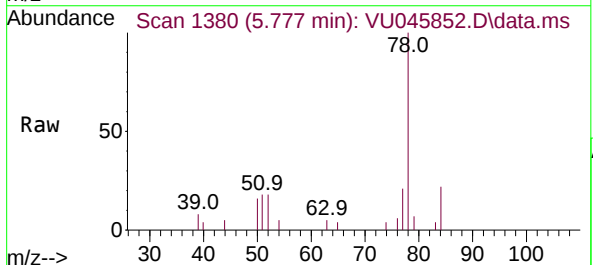
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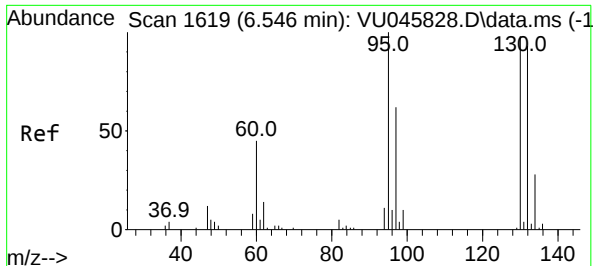
Tgt Ion: 56 Resp: 1992
Ion Ratio Lower Upper
56 100
69 29.8 24.7 37.1
84 88.8 71.8 107.6



#33
Benzene
Concen: 0.234 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045852.D
Acq: 17 Nov 2021 20:04

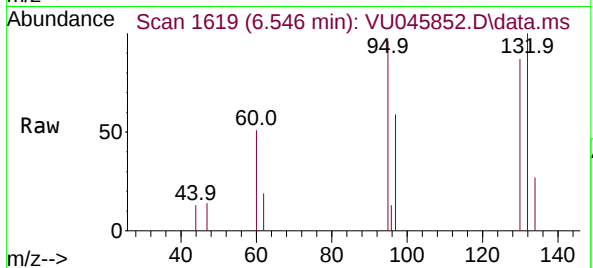
Tgt Ion: 78 Resp: 6707





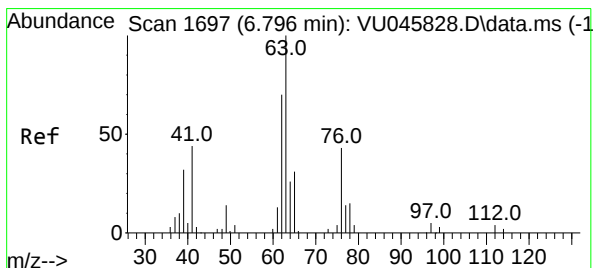
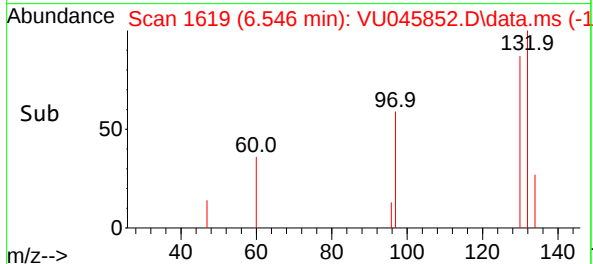
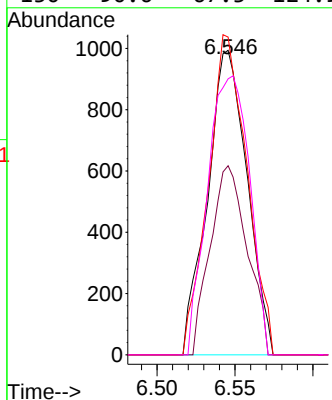
#34
Trichloroethene
Concen: 0.238 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VU045852.D
Acq: 17 Nov 2021 20:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 1756

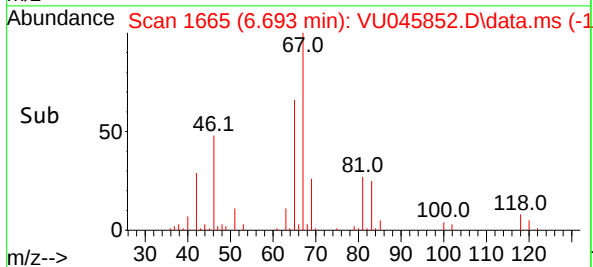
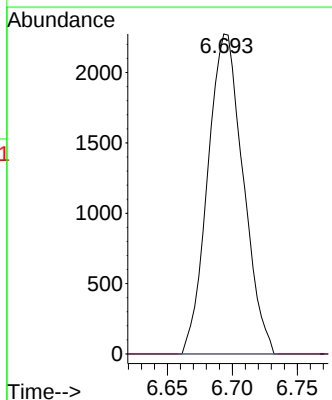
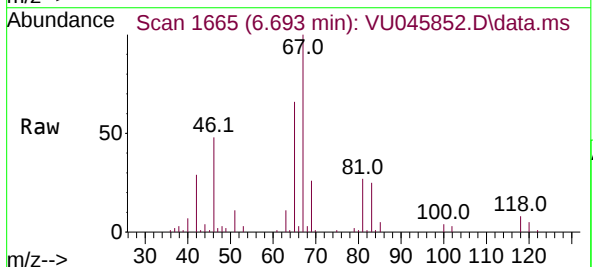
Ion	Ratio	Lower	Upper
95	100		
97	62.1	46.5	86.5
132	104.3	65.1	120.9
130	90.6	67.3	124.9

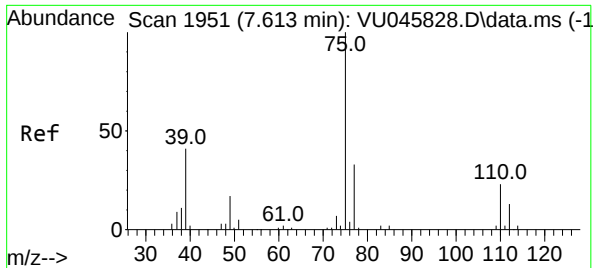


#37
1,2-Dichloropropane
Concen: 0.571 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045852.D
Acq: 17 Nov 2021 20:04

Tgt Ion: 63 Resp: 4303

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.565 min Scan# 1951

Delta R.T. -0.048 min

Lab File: VU045852.D

Acq: 17 Nov 2021 20:04

Instrument :

MSVOA_U

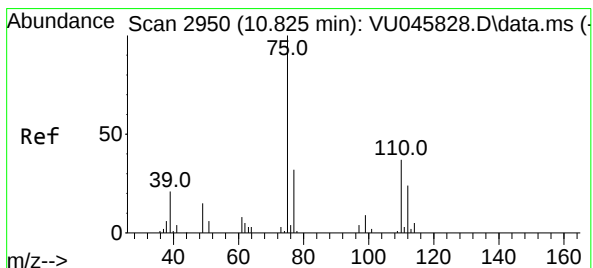
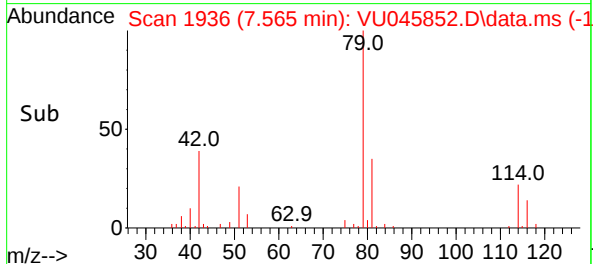
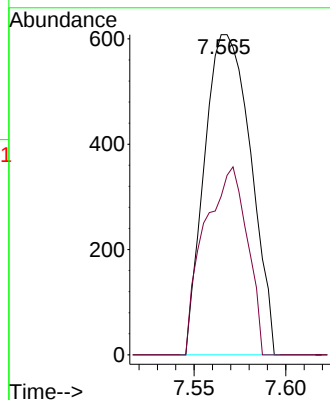
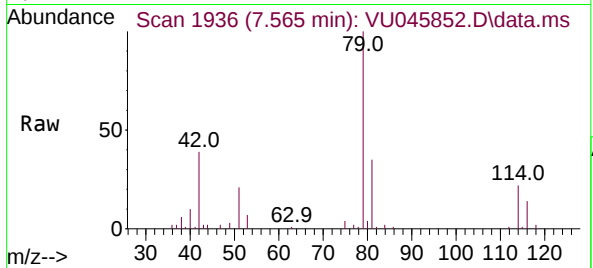
ClientSampleId :

Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 49.5 22.5 41.9#



#61

1,2,3-Trichloropropane

Concen: 1.252 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045852.D

Acq: 17 Nov 2021 20:04

Tgt Ion: 75 Resp: 6070

Ion Ratio Lower Upper

75 100

110 0.7 29.9 44.9#

77 33.3 25.5 38.3

