

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111921\
 Data File : VU045885.D
 Acq On : 19 Nov 2021 10:49
 Operator : SY/MD
 Sample : M4664-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 03:52:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 22 03:50:15 2021
 Response via : Initial Calibration

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

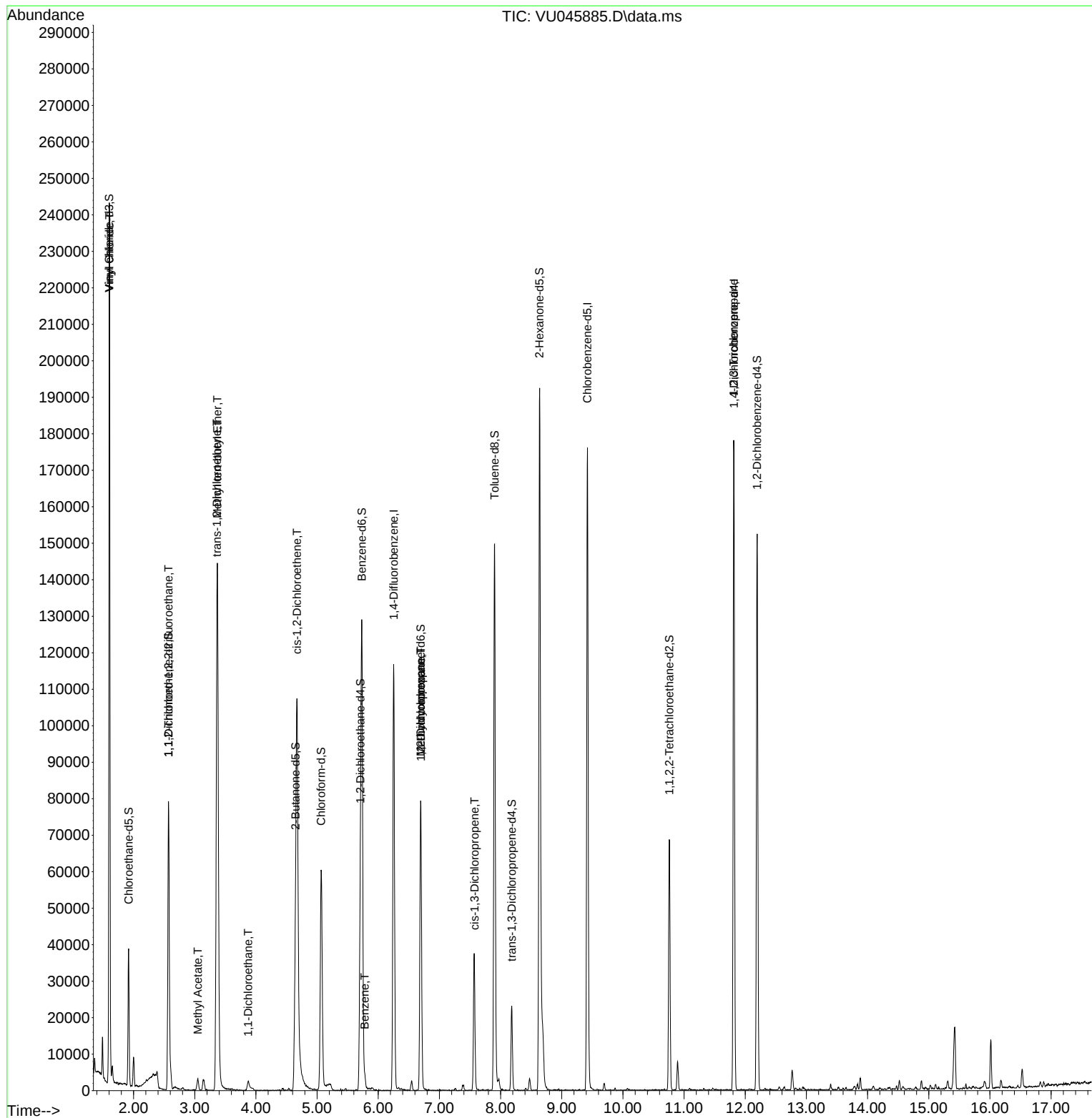
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	94733	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99407	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	45617	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	36876	4.913	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.919	69	27406	5.016	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.572	65	15046	4.780	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.649	46	99028	49.234	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.460%
24) Chloroform-d	5.067	84	57166	4.572	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.706	65	34539	4.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.732	84	120944	4.418	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.694	67	38145	4.421	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.400%
41) Toluene-d8	7.903	98	103780	4.191	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.182	79	13573	3.875	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.636	63	70857	44.948	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.900%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35094	4.815	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	39510	5.044	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	117579	14.332	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	285	0.046	ug/L #	21
15) Methyl Acetate	3.051	43	1385	0.477	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	165265	10.825	ug/L	99
18) trans-1,2-Dichloroethene	3.363	96	1868	0.297	ug/L	92
19) 1,1-Dichloroethane	3.874	63	2972	0.252	ug/L #	92
22) cis-1,2-Dichloroethene	4.671	96	41319	6.062	ug/L	98
33) Benzene	5.780	78	3868	0.139	ug/L	100
35) Methylcyclohexane	6.694	83	9352	0.852	ug/L #	18
37) 1,2-Dichloropropane	6.697	63	4269	0.585	ug/L #	88
39) cis-1,3-Dichloropropene	7.575	75	974	0.094	ug/L #	63
61) 1,2,3-Trichloropropane	11.812	75	5741	1.212	ug/L #	66

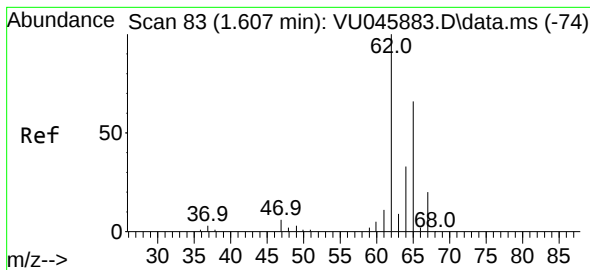
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 14.332 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

Instrument :

MSVOA_U

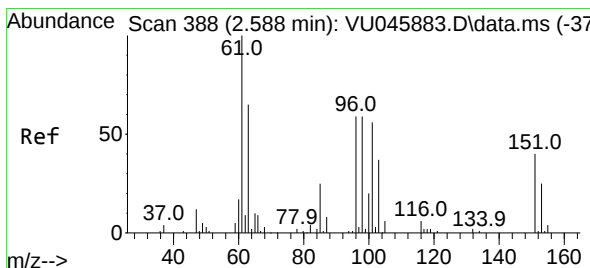
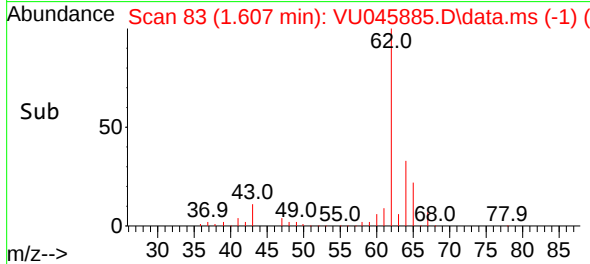
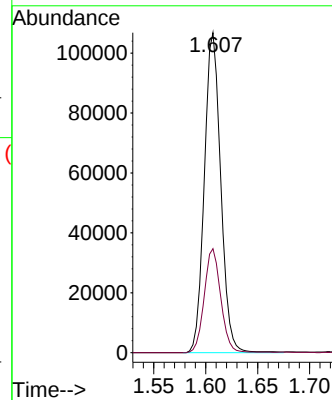
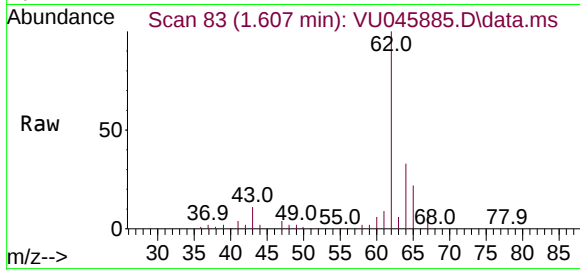
ClientSampleId :

Tgt Ion: 62 Resp: 117579

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#10

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

Concen: 0.046 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

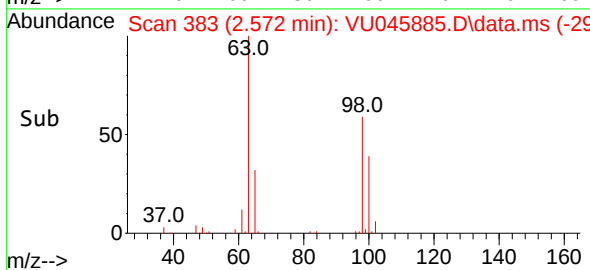
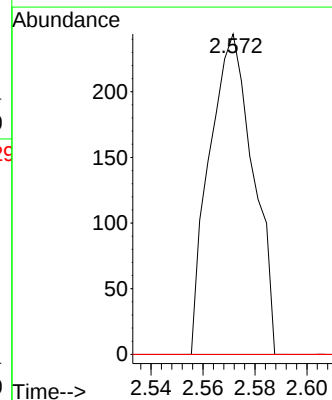
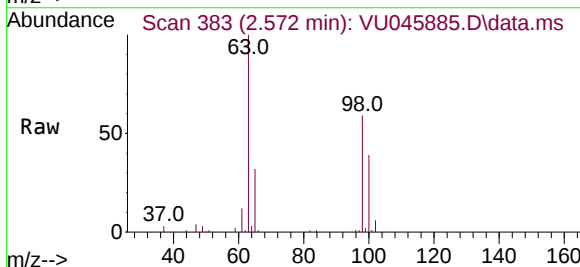
Tgt Ion:101 Resp: 285

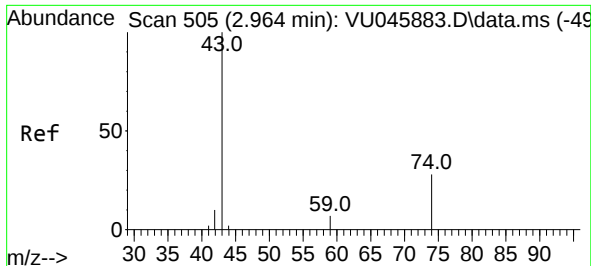
Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 56.1 84.1#

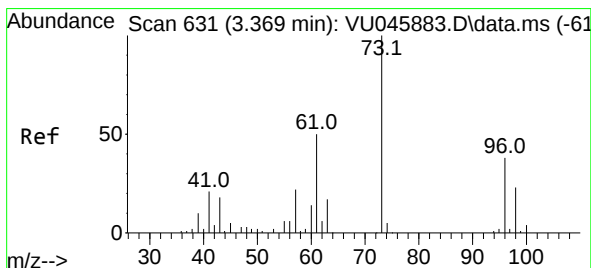
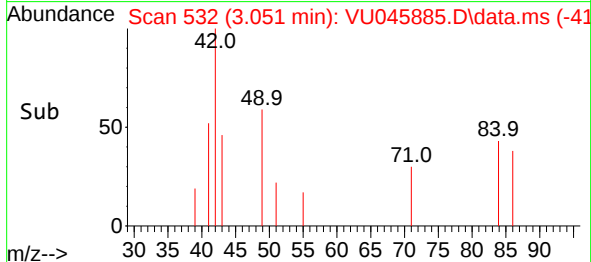
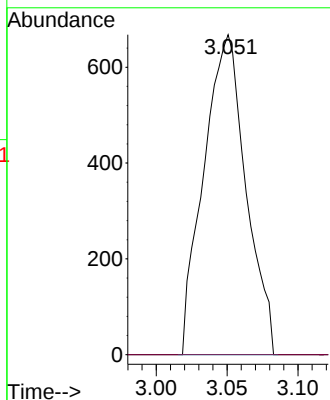
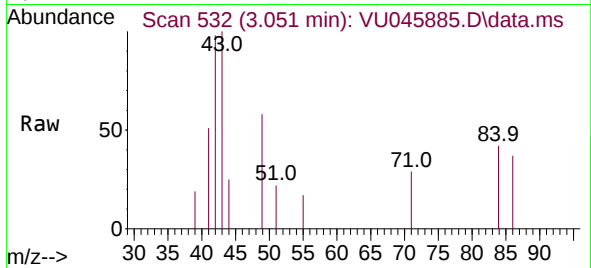




#15
Methyl Acetate
Concen: 0.477 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.087 min
Lab File: VU045885.D
Acq: 19 Nov 2021 10:49

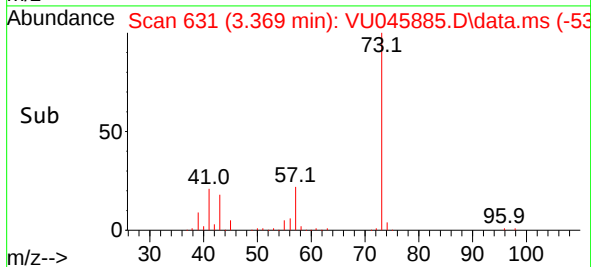
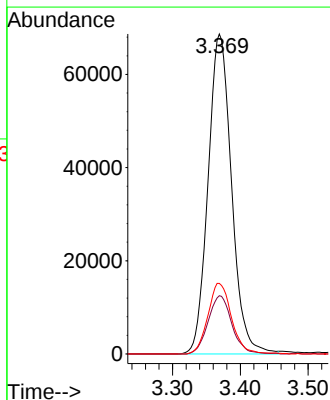
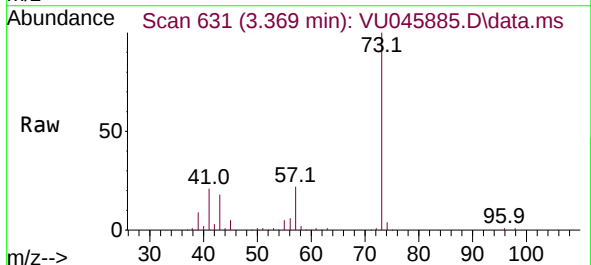
Instrument :
MSVOA_U
ClientSampleId :

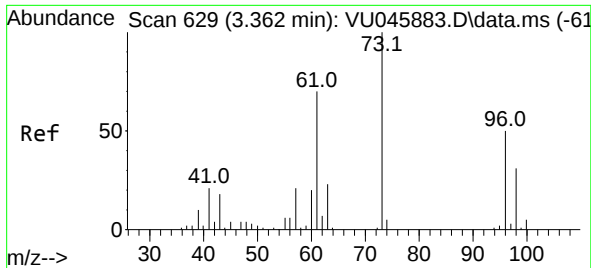
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#17
Methyl tert-butyl Ether
Concen: 10.825 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU045885.D
Acq: 19 Nov 2021 10:49

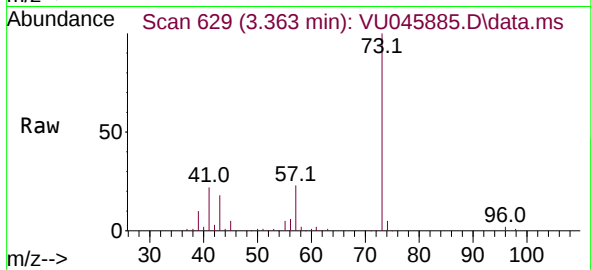
Tgt Ion: 73 Resp: 165265
Ion Ratio Lower Upper
73 100
43 18.4 14.8 22.2
57 22.3 17.4 26.0



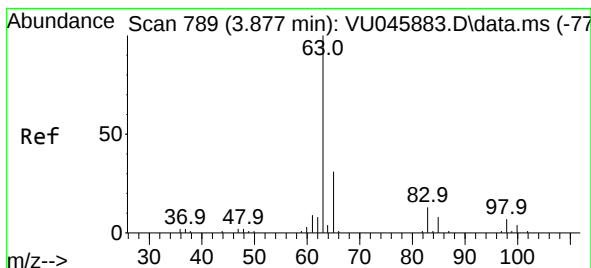
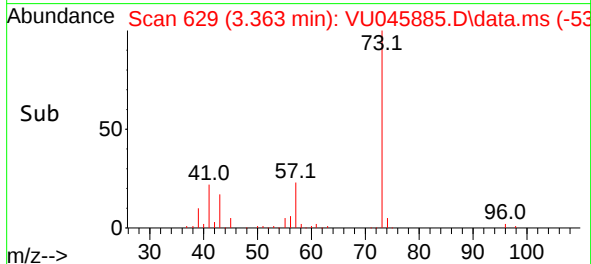
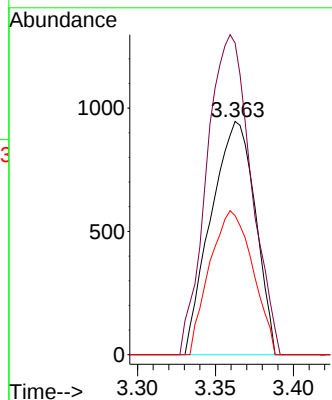


#18
trans-1,2-Dichloroethene
Concen: 0.297 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU045885.D
Acq: 19 Nov 2021 10:49

Instrument :
MSVOA_U
ClientSampleId :

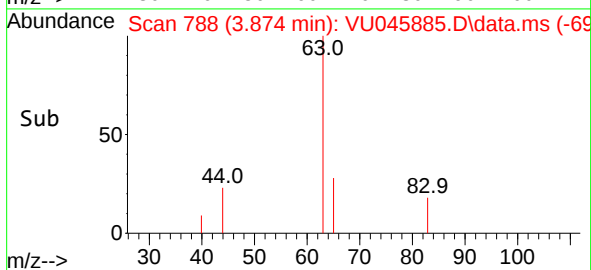
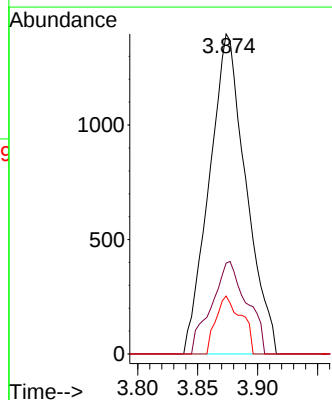
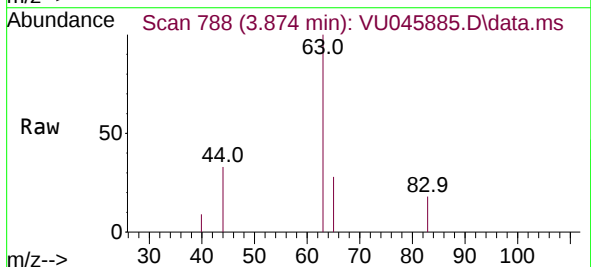


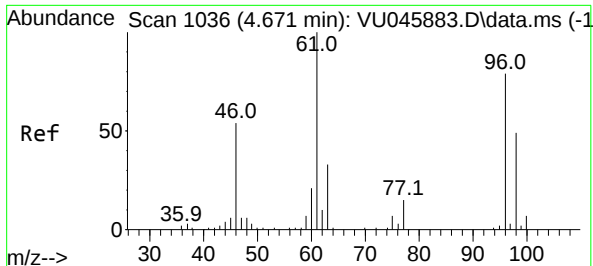
Tgt Ion: 96 Resp: 1868
Ion Ratio Lower Upper
96 100
61 133.6 100.8 187.2
98 59.6 45.1 83.7



#19
1,1-Dichloroethane
Concen: 0.252 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045885.D
Acq: 19 Nov 2021 10:49

Tgt Ion: 63 Resp: 2972
Ion Ratio Lower Upper
63 100
65 28.4 22.3 41.5
83 18.1 9.6 17.8#





#22

cis-1,2-Dichloroethene

Concen: 6.062 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

Instrument :

MSVOA_U

ClientSampleId :

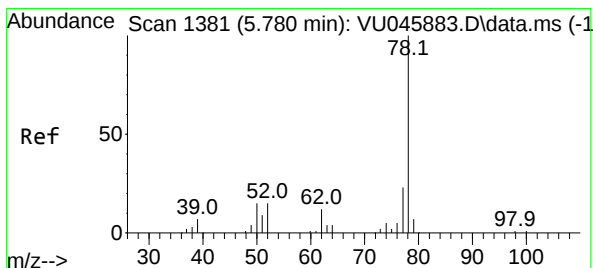
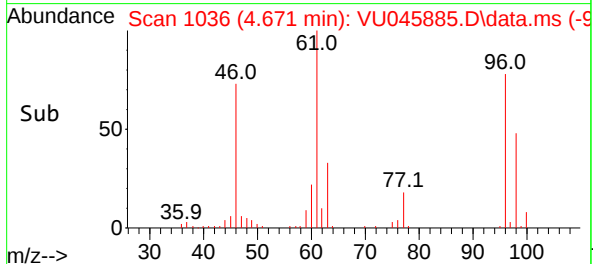
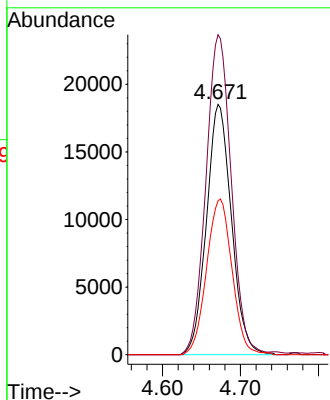
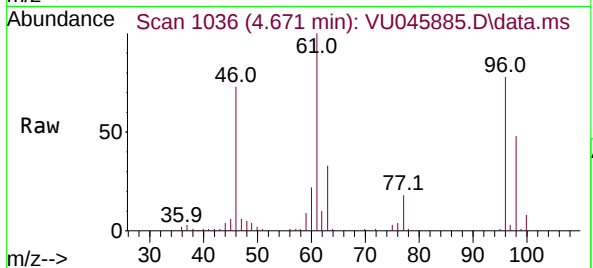
Tgt Ion: 96 Resp: 41319

Ion Ratio Lower Upper

96 100

61 127.9 88.5 164.3

98 61.5 44.4 82.5



#33

Benzene

Concen: 0.139 ug/L

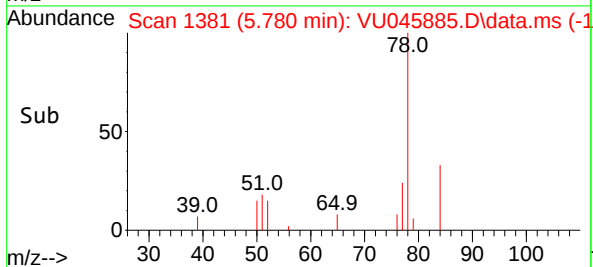
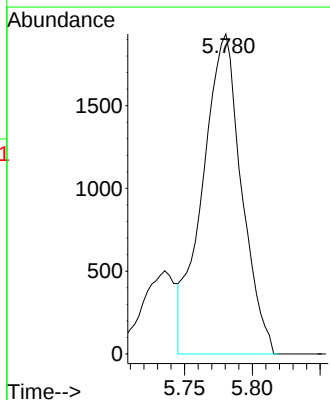
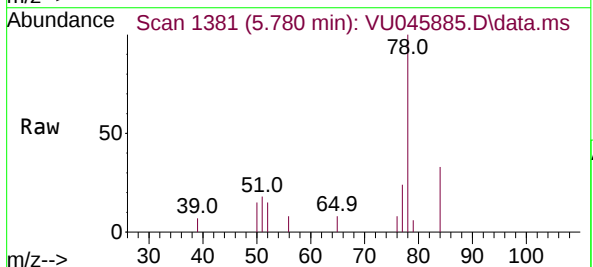
RT: 5.780 min Scan# 1381

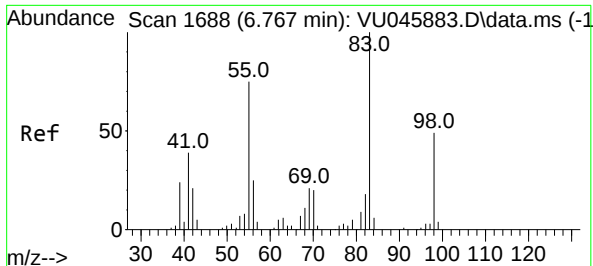
Delta R.T. 0.000 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

Tgt Ion: 78 Resp: 3868





#35

Methylcyclohexane

Concen: 0.852 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU045885.D

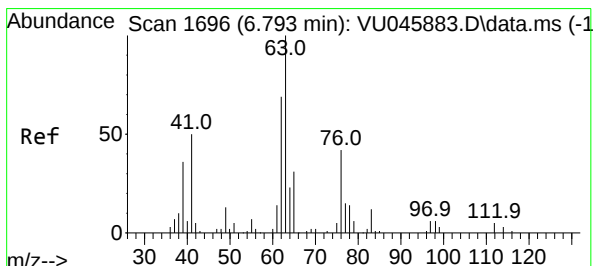
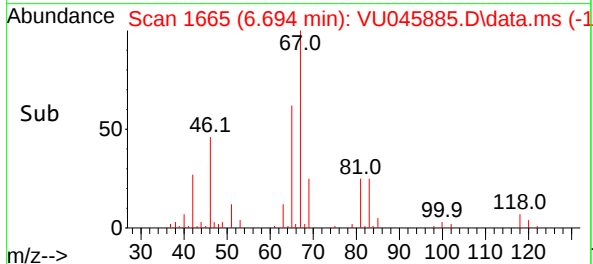
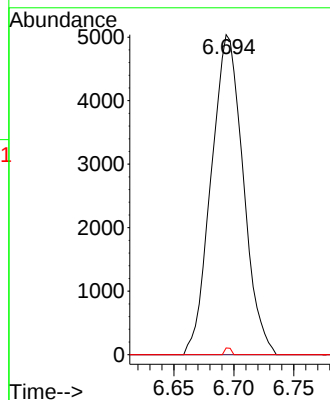
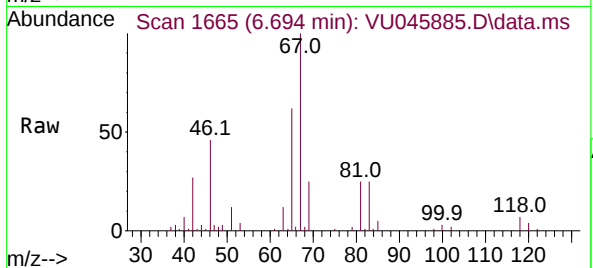
Acq: 19 Nov 2021 10:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp:	9352
Ion Ratio	Lower	Upper
83	100	
55	0.0	61.9 92.9#
98	0.4	39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.585 ug/L

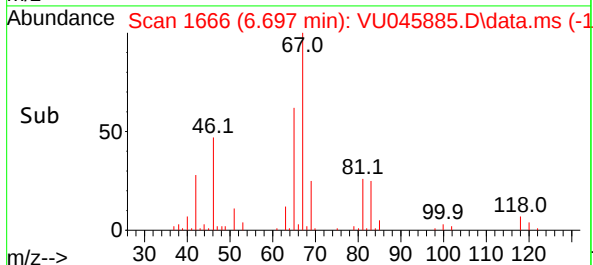
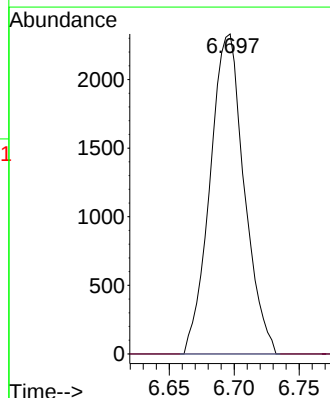
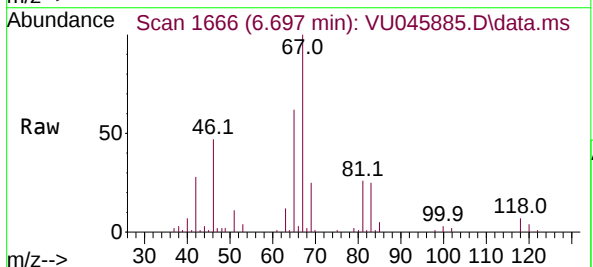
RT: 6.697 min Scan# 1666

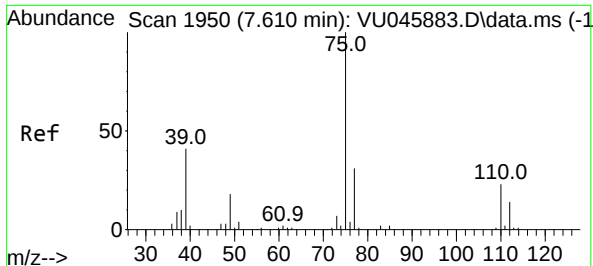
Delta R.T. -0.096 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

Tgt Ion: 63	Resp:	4269
Ion Ratio	Lower	Upper
63	100	
112	0.0	3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.575 min Scan# 1950

Delta R.T. -0.035 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

Instrument :

MSVOA_U

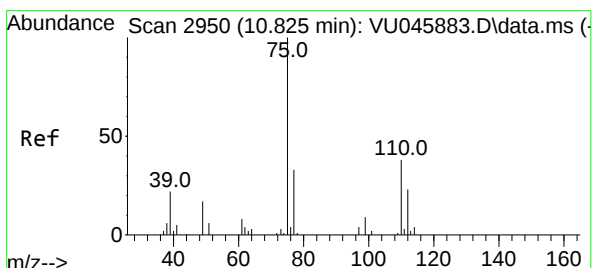
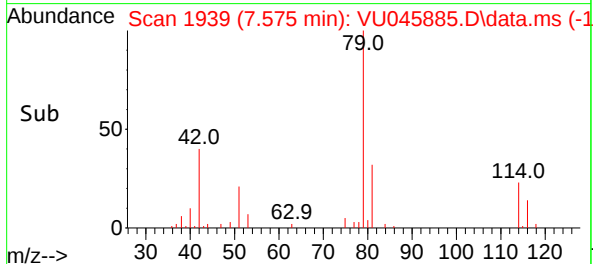
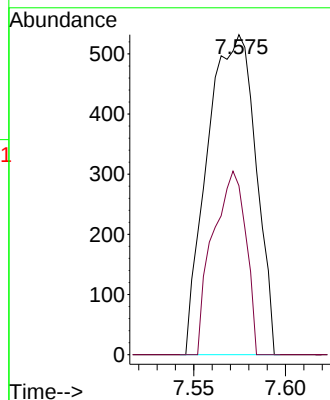
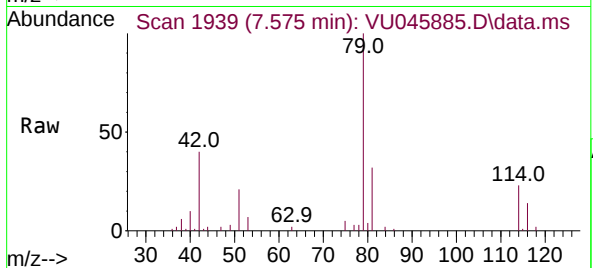
ClientSampleId :

Tgt Ion: 75 Resp: 974

Ion Ratio Lower Upper

75 100

77 52.8 22.5 41.9#



#61

1,2,3-Trichloropropane

Concen: 1.212 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045885.D

Acq: 19 Nov 2021 10:49

Tgt Ion: 75 Resp: 5741

Ion Ratio Lower Upper

75 100

110 0.3 29.9 44.9#

77 33.1 25.5 38.3

