

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092321\
 Data File : VU044785.D
 Acq On : 23 Sep 2021 15:26
 Operator : SY/MD
 Sample : M3873-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 05:38:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 24 05:26:38 2021
 Response via : Initial Calibration

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

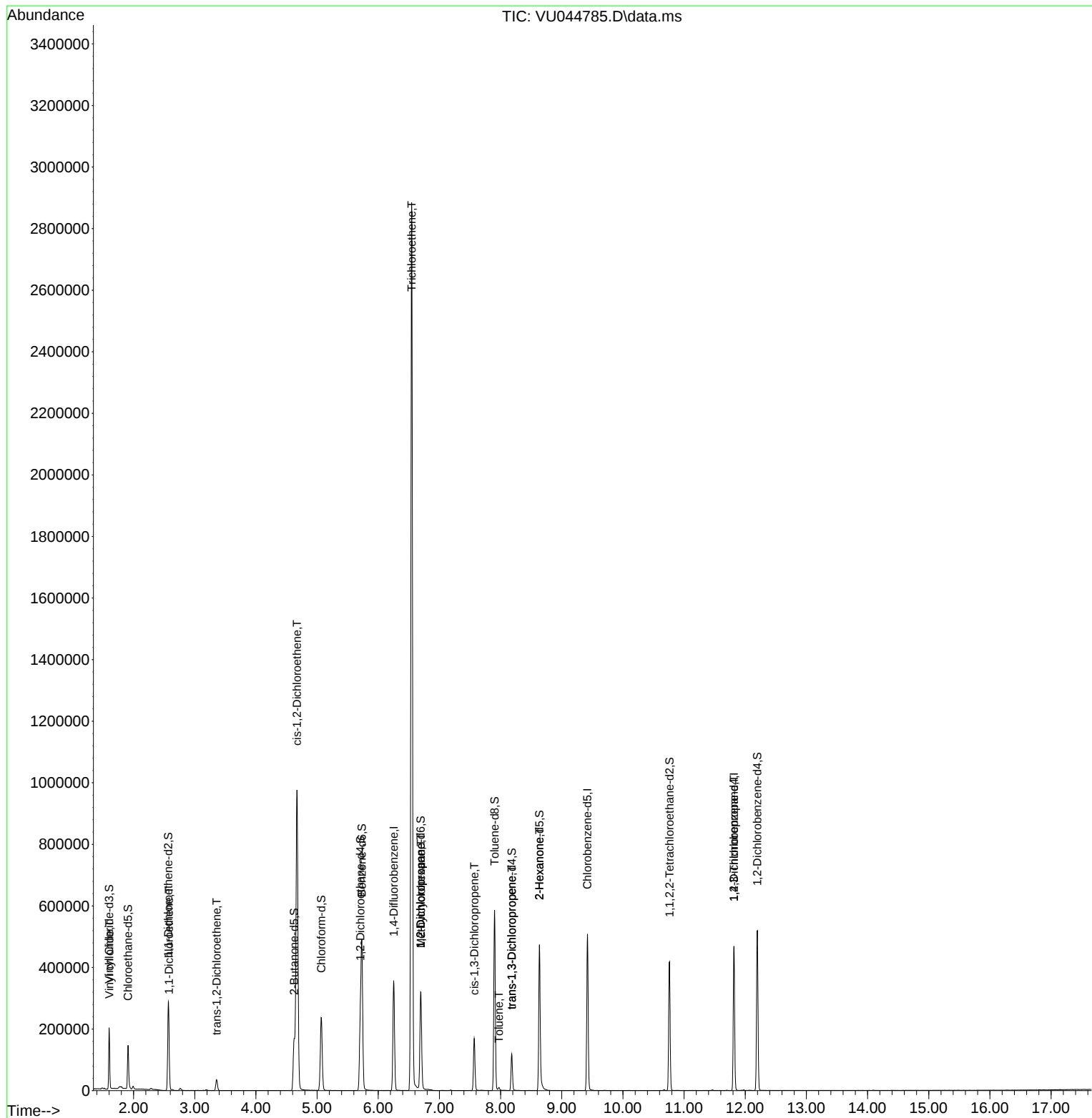
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	269283	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	259267	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	113612	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	133297	45.218	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.440%
7) Chloroethane-d5	1.909	69	107629	46.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.140%
11) 1,1-Dichloroethene-d2	2.568	63	173754	35.098	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.200%
21) 2-Butanone-d5	4.623	46	240503	103.198	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.200%
24) Chloroform-d	5.070	84	212412	45.623	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.240%
26) 1,2-Dichloroethane-d4	5.706	65	151697	48.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.200%
32) Benzene-d6	5.732	84	434122	48.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.500%
36) 1,2-Dichloropropane-d6	6.694	67	142734	48.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.320%
41) Toluene-d8	7.902	98	365902	47.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.260%
43) trans-1,3-Dichloroprop...	8.182	79	61229	46.923	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.840%
47) 2-Hexanone-d5	8.636	63	163968	100.864	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.860%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	209215	45.801	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	127006	51.367	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.740%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	3893	1.236	ug/L #	1
12) 1,1-Dichloroethene	2.581	96	3070	1.472	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	14069	6.405	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	480258	198.406	ug/L	97
34) Trichloroethene	6.546	95	981712	425.041	ug/L	99
35) Methylcyclohexane	6.697	83	33227	8.593	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	15874	6.063	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	4028	1.075	ug/L #	59
42) Toluene	7.973	91	5466	0.559	ug/L	92
44) trans-1,3-Dichloropropene	8.182	75	2736	0.768	ug/L	90
48) 2-Hexanone	8.636	43	19638	5.063	ug/L #	68
60) 1,2,3-Trichloropropane	11.816	75	15808	5.031	ug/L #	68

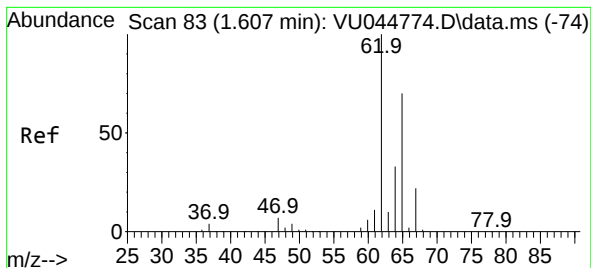
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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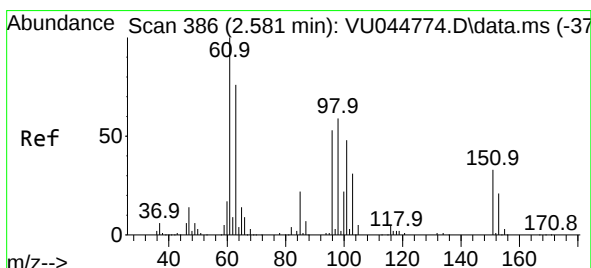
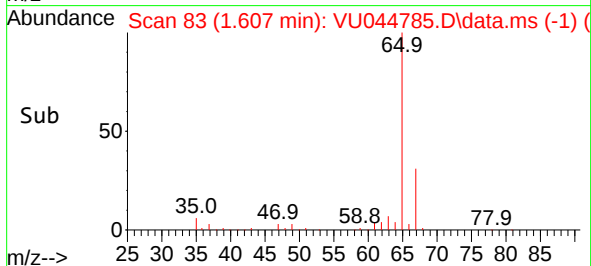
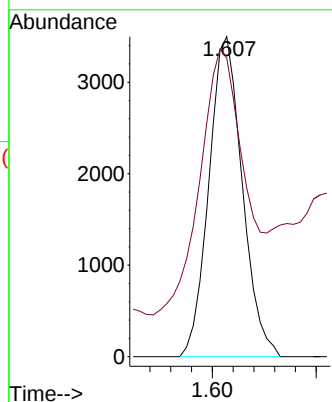
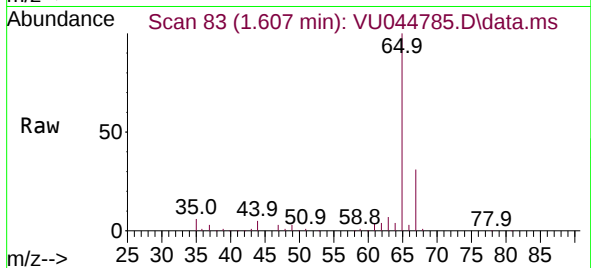




#5
 Vinyl chloride
 Concen: 1.236 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU044785.D
 Acq: 23 Sep 2021 15:26

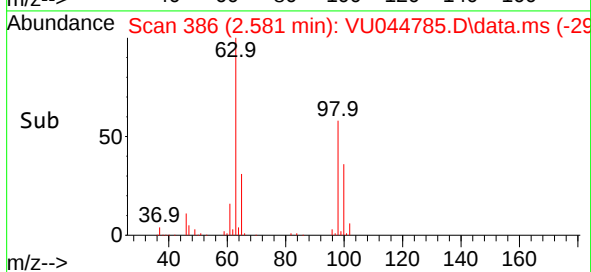
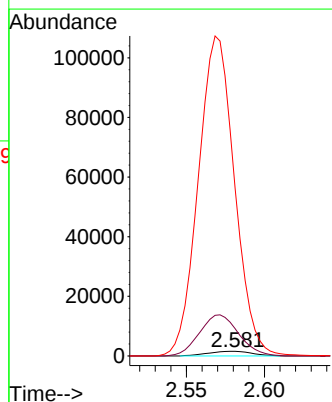
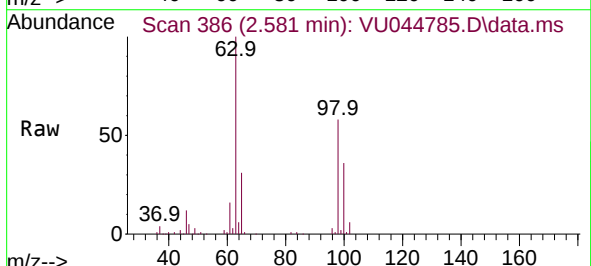
Instrument :
 MSVOA_U
 ClientSampled :

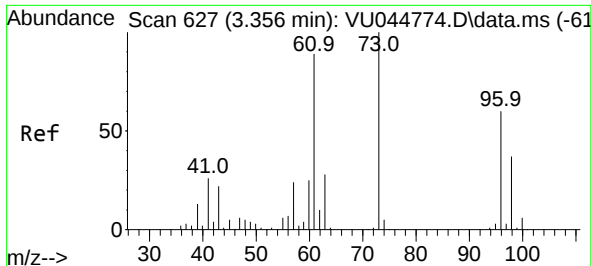
Tgt Ion: 62 Resp: 3893
 Ion Ratio Lower Upper
 62 100
 64 93.3 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 1.472 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU044785.D
 Acq: 23 Sep 2021 15:26

Tgt Ion: 96 Resp: 3070
 Ion Ratio Lower Upper
 96 100
 61 588.4 131.3 243.9#
 63 3619.3 102.5 190.3#

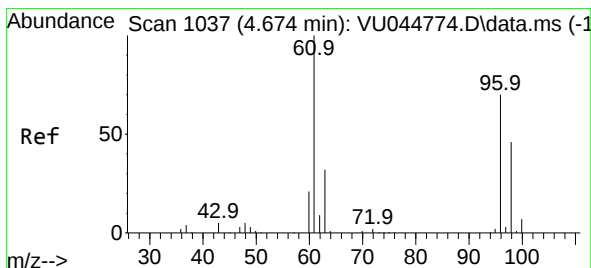
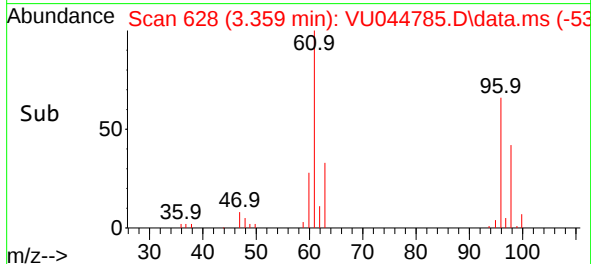
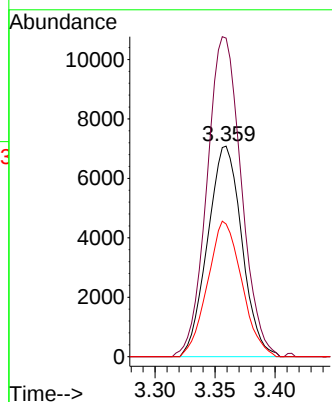
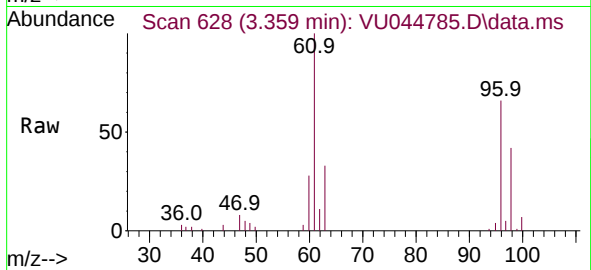




#17
trans-1,2-Dichloroethene
Concen: 6.405 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

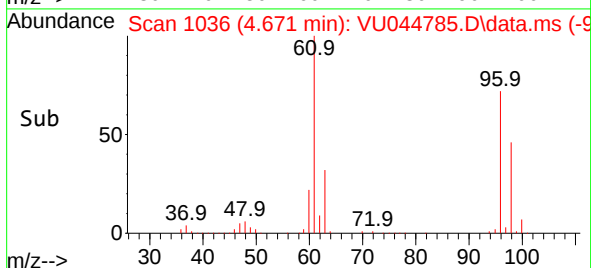
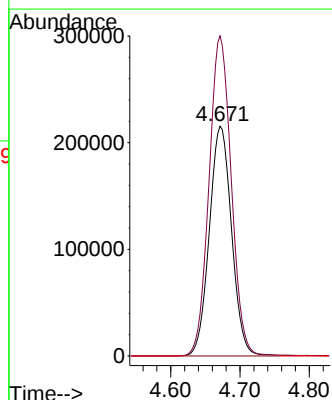
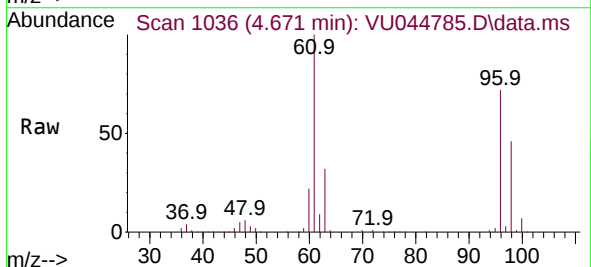
Instrument :
MSVOA_U
ClientSampled :

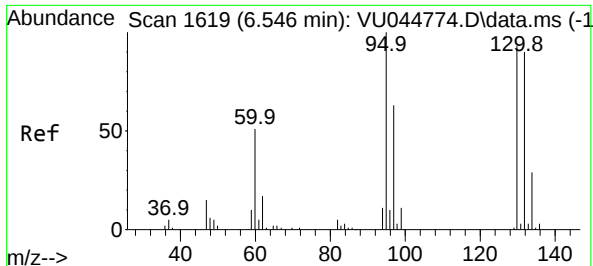
Tgt Ion: 96 Resp: 14069
Ion Ratio Lower Upper
96 100
61 151.3 105.1 195.3
98 63.0 43.0 79.8



#20
cis-1,2-Dichloroethene
Concen: 198.406 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

Tgt Ion: 96 Resp: 480258
Ion Ratio Lower Upper
96 100
61 139.3 100.2 186.0
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 425.041 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU044785.D

Acq: 23 Sep 2021 15:26

Tgt Ion: 95 Resp: 981712

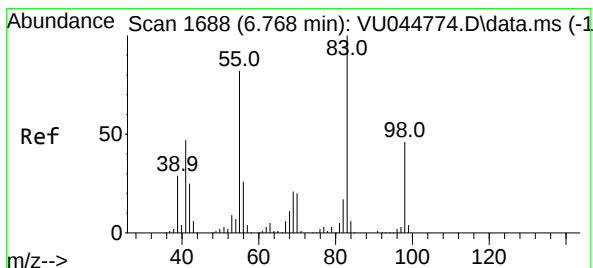
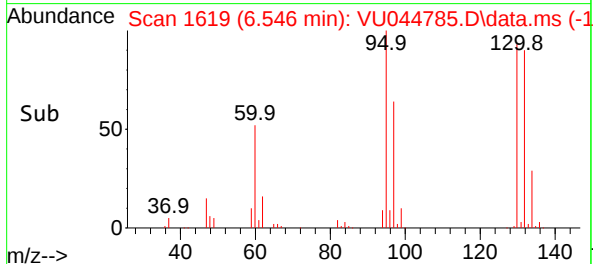
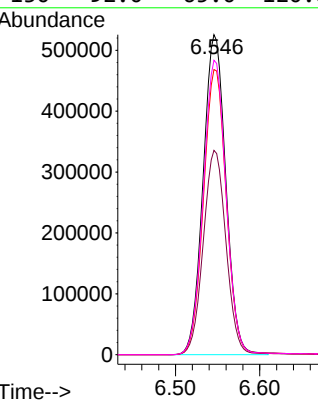
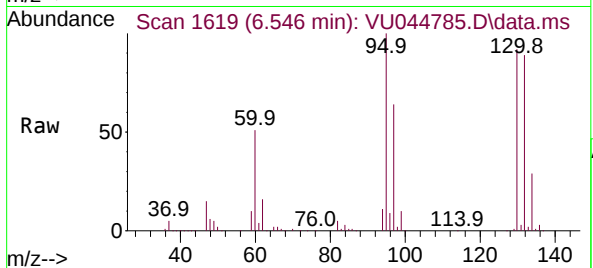
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 89.1 62.9 116.9

130 92.0 65.0 120.8



#35

Methylcyclohexane

Concen: 8.593 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU044785.D

Acq: 23 Sep 2021 15:26

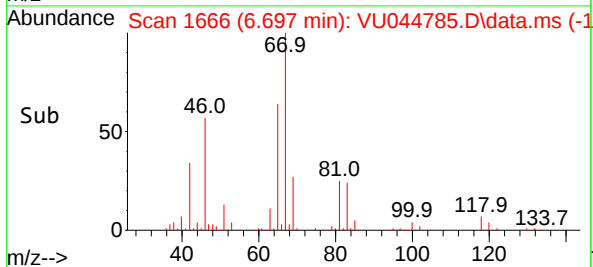
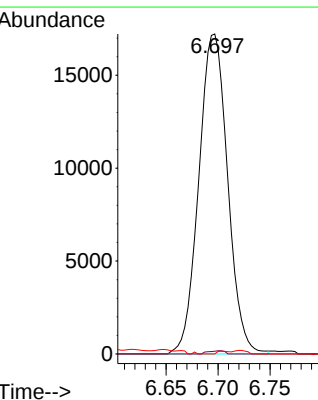
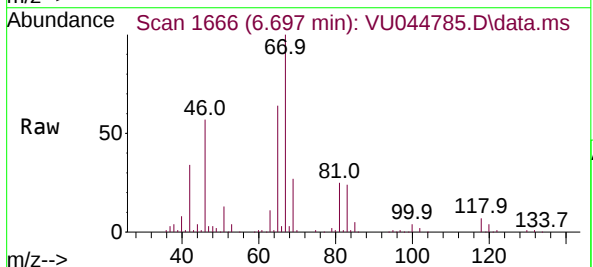
Tgt Ion: 83 Resp: 33227

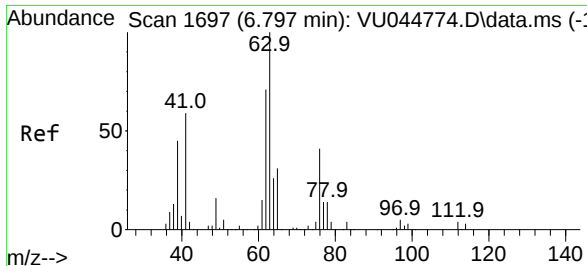
Ion Ratio Lower Upper

83 100

55 0.6 65.8 98.6#

98 0.4 37.1 55.7#



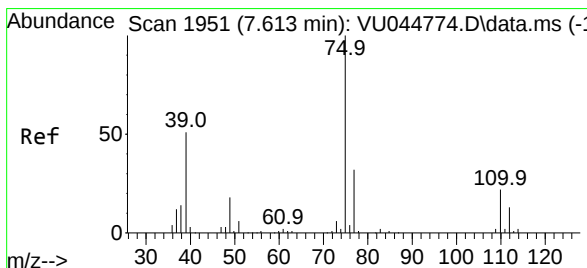
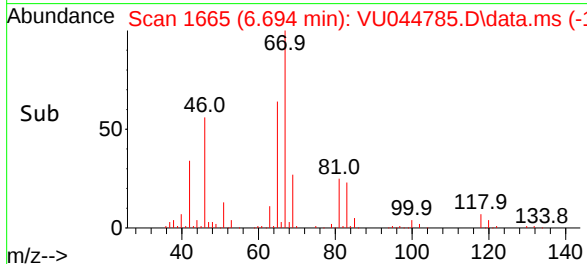
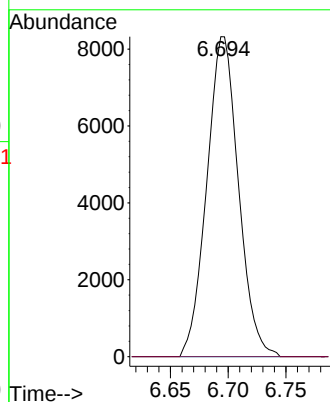
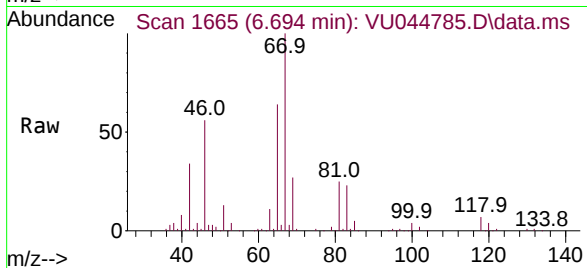


#37

1,2-Dichloropropane
Concen: 6.063 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

Instrument :
MSVOA_U
ClientSampled :

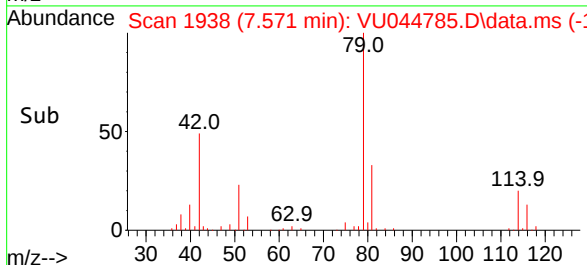
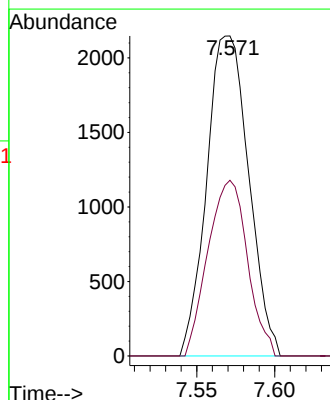
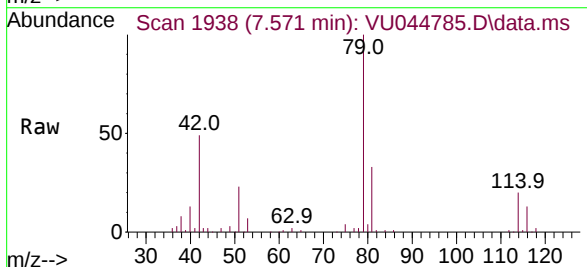
Tgt Ion: 63 Resp: 15874
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

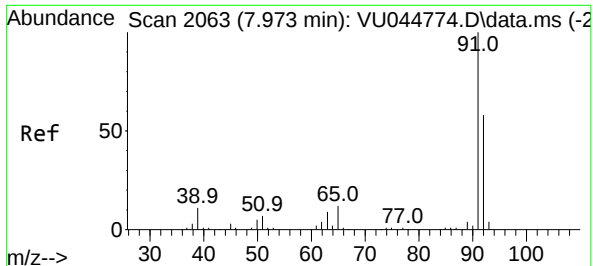


#39

cis-1,3-Dichloropropene
Concen: 1.075 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

Tgt Ion: 75 Resp: 4028
Ion Ratio Lower Upper
75 100
77 54.9 22.4 41.6#

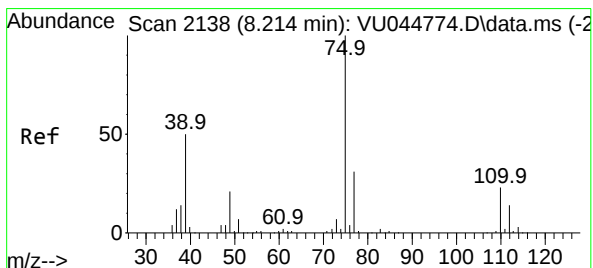
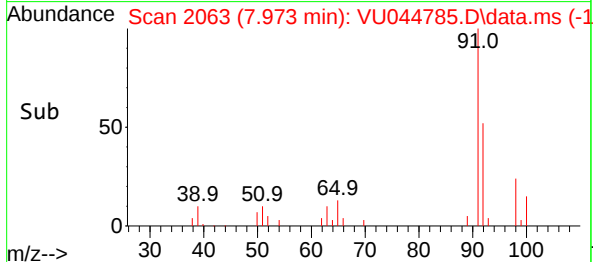
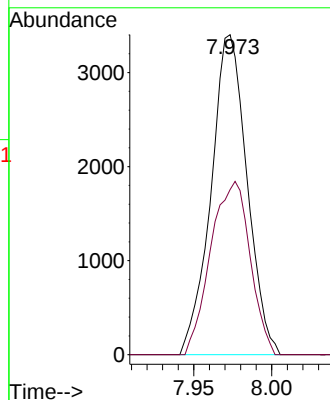
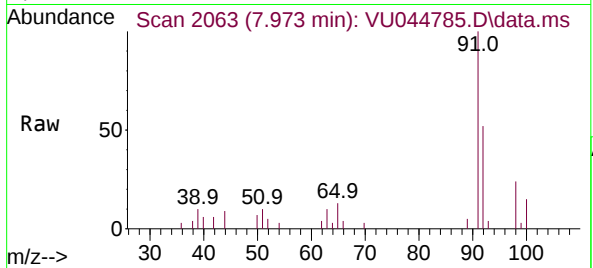




#42
Toluene
Concen: 0.559 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

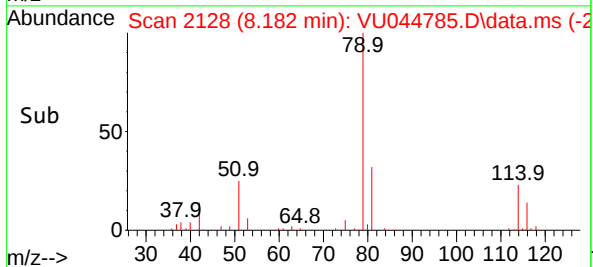
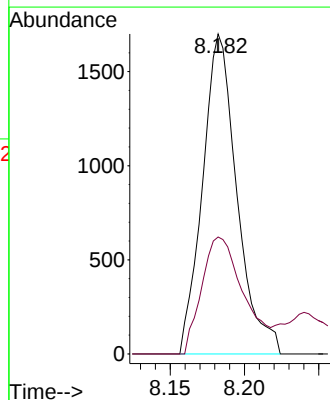
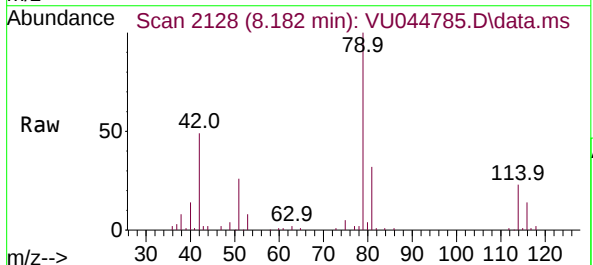
Instrument :
MSVOA_U
ClientSampled :

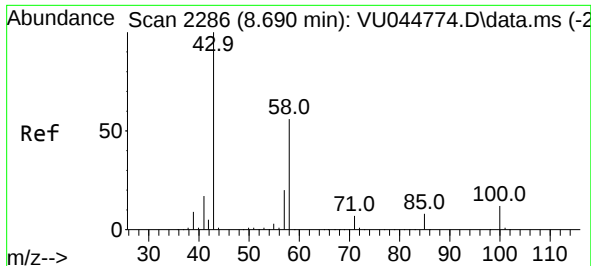
Tgt Ion: 91 Resp: 5466
Ion Ratio Lower Upper
91 100
92 51.6 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.768 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

Tgt Ion: 75 Resp: 2736
Ion Ratio Lower Upper
75 100
77 36.5 21.7 40.3

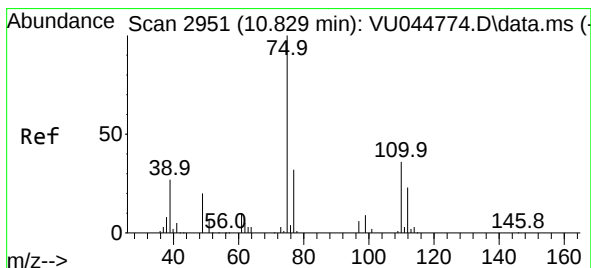
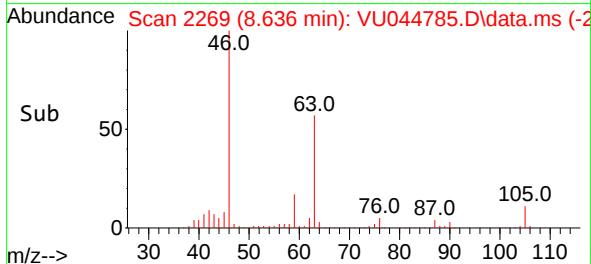
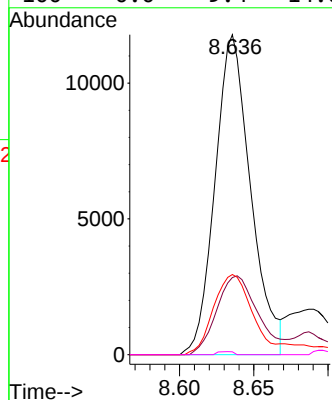
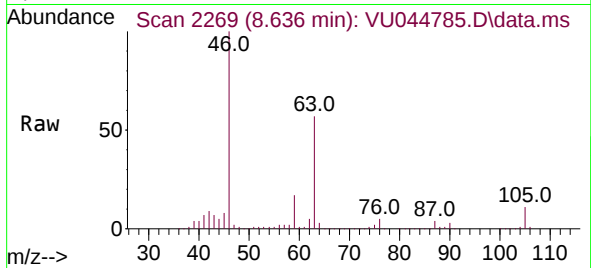




#48
2-Hexanone
Concen: 5.063 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.055 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 43	Resp: 19638
Ion Ratio	Lower Upper
43 100	
58 28.7	44.9 67.3#
57 26.9	15.5 23.3#
100 0.0	9.4 14.0#



#60
1,2,3-Trichloropropane
Concen: 5.031 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU044785.D
Acq: 23 Sep 2021 15:26

Tgt Ion: 75	Resp: 15808
Ion Ratio	Lower Upper
75 100	
77 32.6	25.5 38.3
110 1.7	29.0 43.4#

