

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045113.D
 Acq On : 04 Oct 2021 22:34
 Operator : SY/MD
 Sample : M4023-04 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH9

Quant Time: Oct 05 07:02:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	297930	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	279458	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	135745	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87384	26.793	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.580%#
7) Chloroethane-d5	1.899	69	85588	33.116	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	66.240%#
11) 1,1-Dichloroethene-d2	2.571	63	207495	37.884	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.760%
21) 2-Butanone-d5	4.629	46	240737	93.366	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.370%
24) Chloroform-d	5.067	84	197748	38.389	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.780%
26) 1,2-Dichloroethane-d4	5.706	65	141923	40.675	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.360%
32) Benzene-d6	5.732	84	389535	40.170	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.340%
36) 1,2-Dichloropropane-d6	6.694	67	129384	40.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.840%
41) Toluene-d8	7.902	98	333606	39.865	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.720%#
43) trans-1,3-Dichloroprop...	8.182	79	60212	42.810	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
47) 2-Hexanone-d5	8.639	63	188958	107.838	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.840%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	229282	46.567	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	134384	45.489	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.980%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	3083	0.885	ug/L #	1
12) 1,1-Dichloroethene	2.581	96	133134	57.705	ug/L #	78
16) Methylene chloride	3.051	84	156884	53.674	ug/L	93
19) 1,1-Dichloroethane	3.874	63	14762	2.920	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	160189	59.815	ug/L	93
25) Chloroform	5.092	83	2655	0.528	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	472935	122.254	ug/L	98
31) Carbon tetrachloride	5.321	117	59446	19.456	ug/L	98
34) Trichloroethene	6.546	95	2373483	953.374	ug/L	99
35) Methylcyclohexane	6.697	83	30597	7.341	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	14732	5.220	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3912	0.969	ug/L #	62
42) Toluene	7.973	91	14589	1.385	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2635	0.686	ug/L	85
45) 1,1,2-Trichloroethane	8.404	97	3017	1.180	ug/L	89
48) 2-Hexanone	8.639	43	21434	5.127	ug/L #	69
52) Ethylbenzene	9.571	91	16916	1.520	ug/L	97
53) m,p-Xylene	9.697	106	26611	6.314	ug/L	98
54) o-xylene	10.105	106	13921	3.361	ug/L	95

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QLast Update : Tue Oct 05 02:41:56 2021
Response via : Initial Calibration

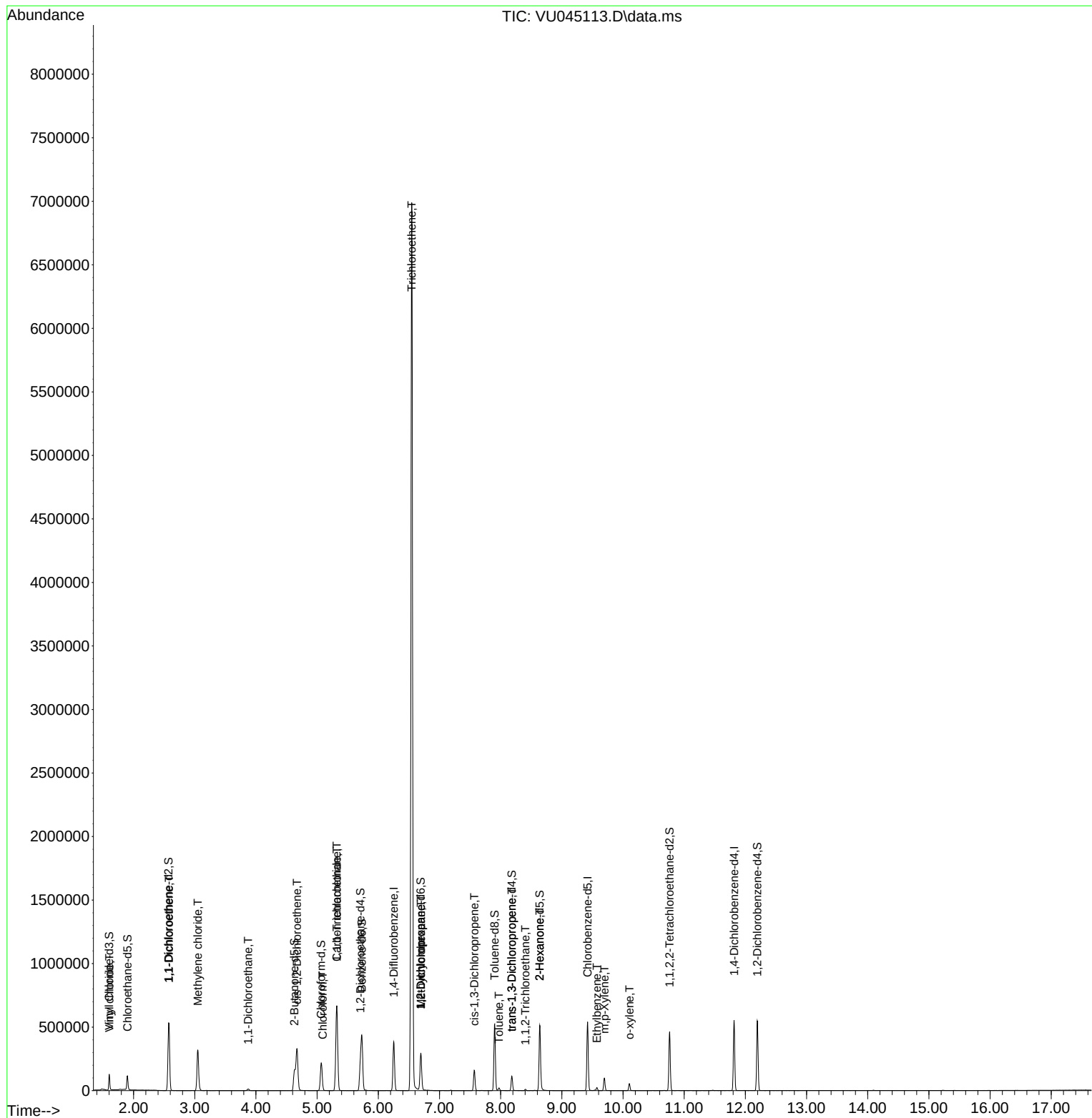
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

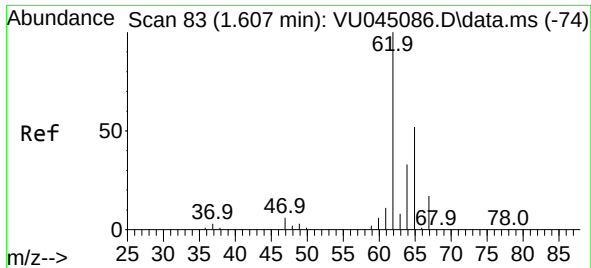
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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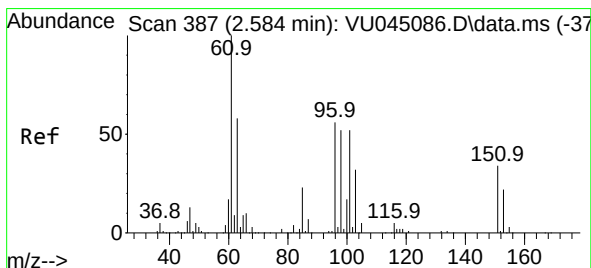
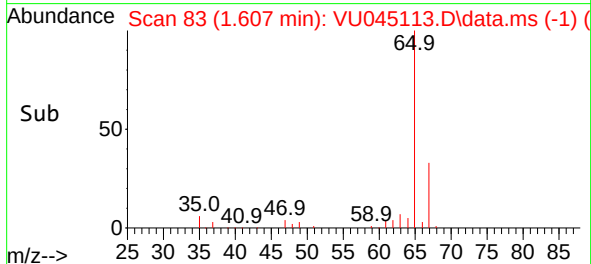
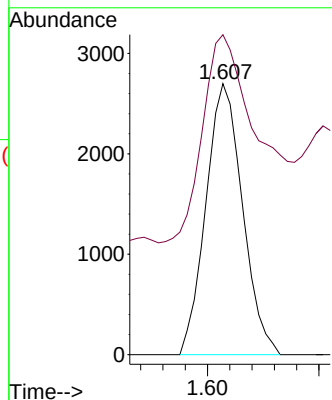
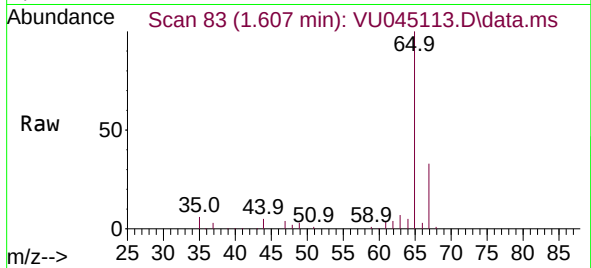




#5
 Vinyl chloride
 Concen: 0.885 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU045113.D
 Acq: 04 Oct 2021 22:34

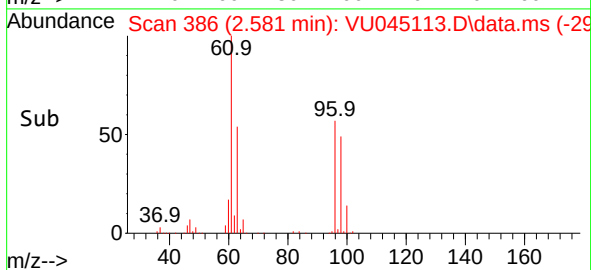
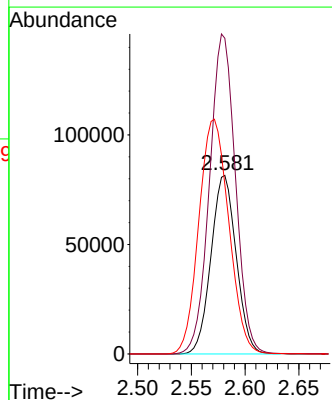
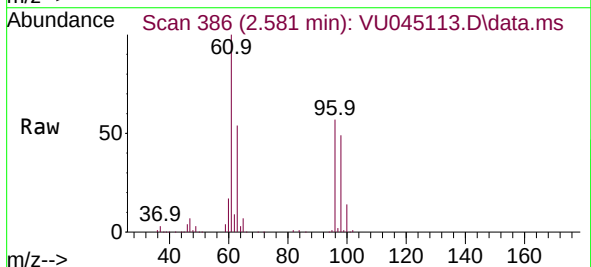
Instrument :
 MSVOA_U
 ClientSampled :
 C0AH9

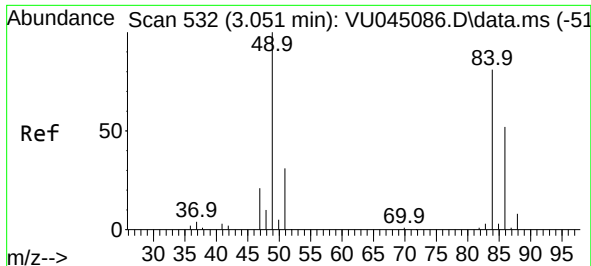
Tgt Ion: 62 Resp: 3083
 Ion Ratio Lower Upper
 62 100
 64 118.0 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 57.705 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU045113.D
 Acq: 04 Oct 2021 22:34

Tgt Ion: 96 Resp: 133134
 Ion Ratio Lower Upper
 96 100
 61 176.7 131.3 243.9
 63 94.9 102.5 190.3#

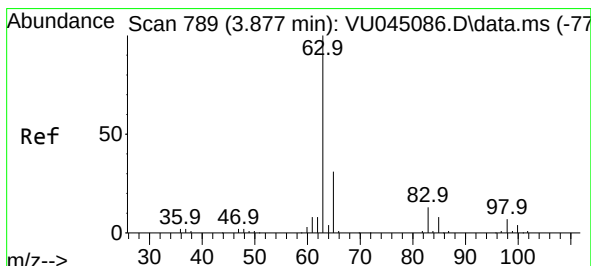
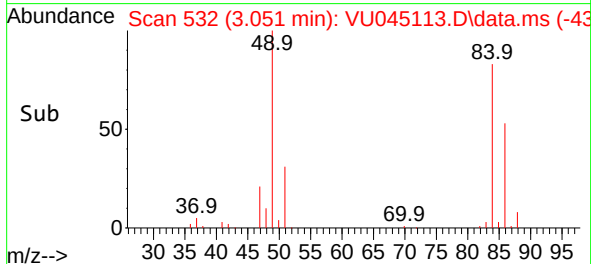
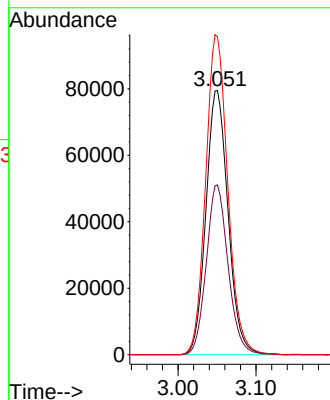
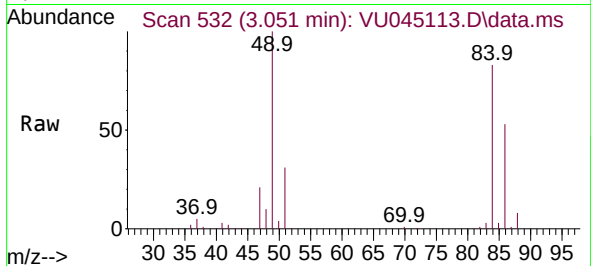




#16
Methylene chloride
Concen: 53.674 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

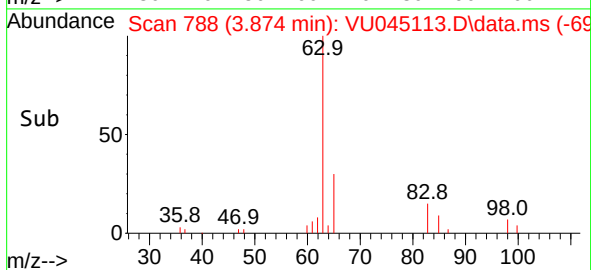
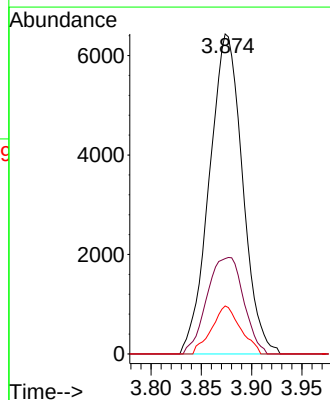
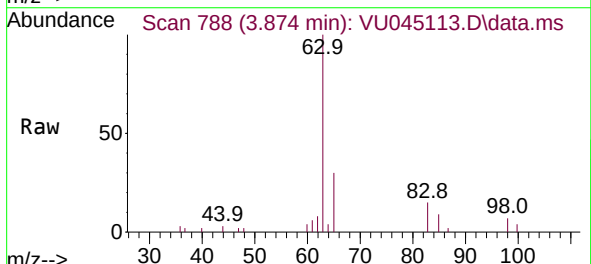
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

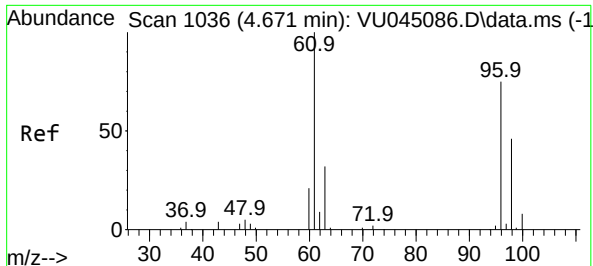
Tgt Ion: 84 Resp: 156884
Ion Ratio Lower Upper
84 100
86 64.3 44.7 83.1
49 120.4 92.9 172.5



#19
1,1-Dichloroethane
Concen: 2.920 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 63 Resp: 14762
Ion Ratio Lower Upper
63 100
65 29.8 22.0 40.8
83 15.0 9.0 16.6





#20

cis-1,2-Dichloroethene

Concen: 59.815 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

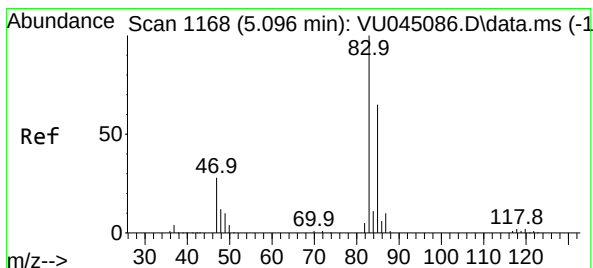
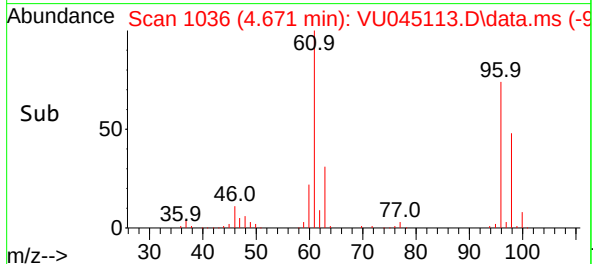
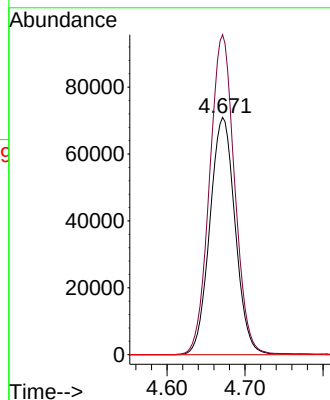
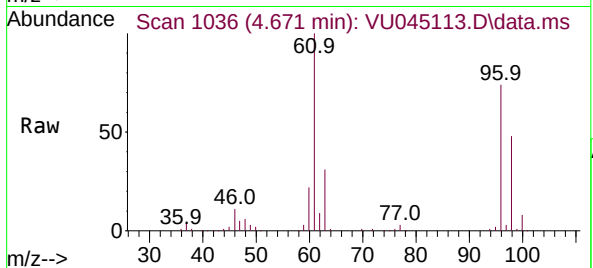
Lab File: VU045113.D

Acq: 04 Oct 2021 22:34

Tgt Ion: 96 Resp: 160189

Ion	Ratio	Lower	Upper
96	100		
61	134.9	100.2	186.0
68	0.0	0.0	0.0

Instrument :
MSVOA_U
ClientSampled :
C0AH9



#25

Chloroform

Concen: 0.528 ug/L

RT: 5.092 min Scan# 1167

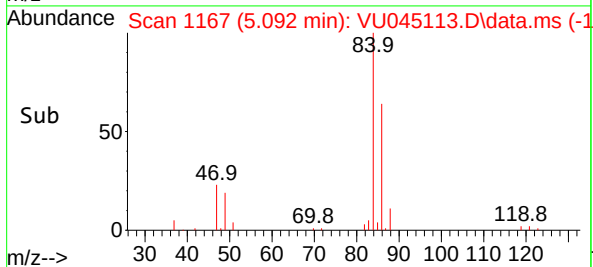
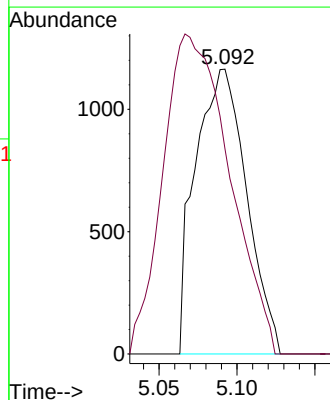
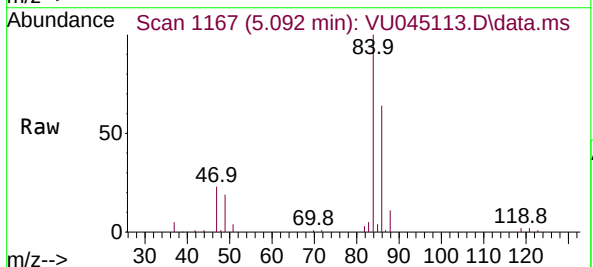
Delta R.T. -0.003 min

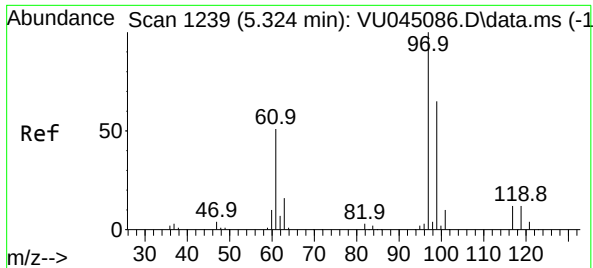
Lab File: VU045113.D

Acq: 04 Oct 2021 22:34

Tgt Ion: 83 Resp: 2655

Ion	Ratio	Lower	Upper
83	100		
85	72.0	45.6	84.6

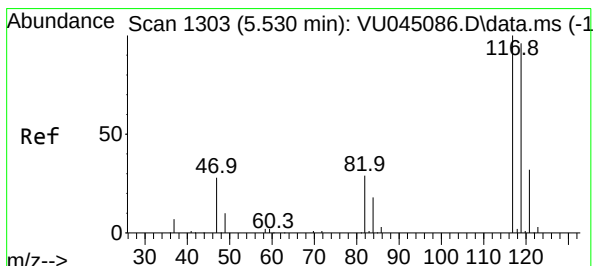
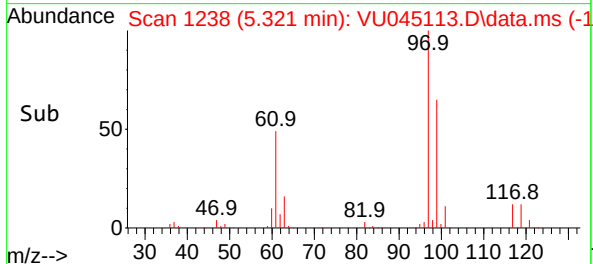
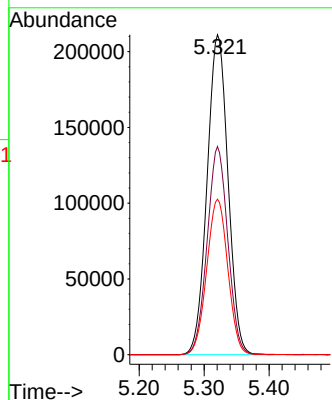
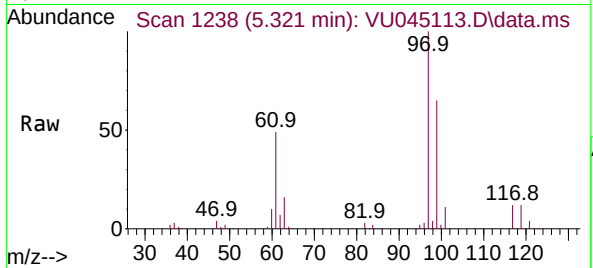




#30
1,1,1-Trichloroethane
Concen: 122.254 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

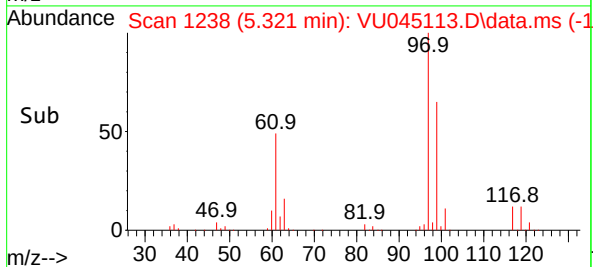
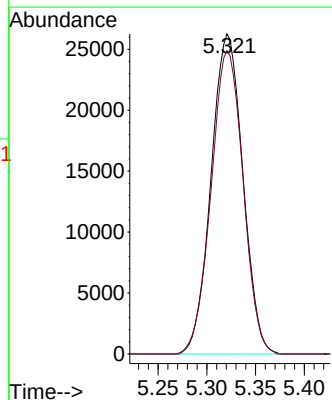
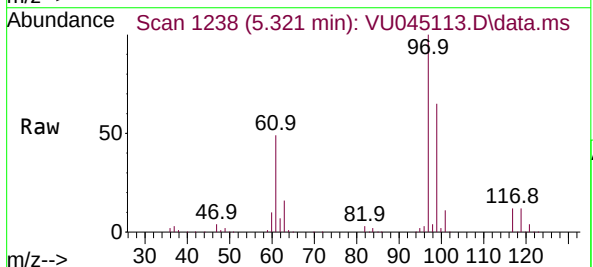
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

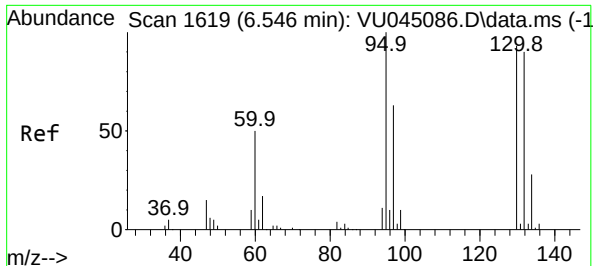
Tgt Ion: 97 Resp: 472935
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 49.1 41.3 61.9



#31
Carbon tetrachloride
Concen: 19.456 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 117 Resp: 59446
Ion Ratio Lower Upper
117 100
119 95.3 77.7 116.5





#34

Trichloroethene

Concen: 953.374 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU045113.D

Acq: 04 Oct 2021 22:34

Tgt Ion: 95 Resp: 2373483

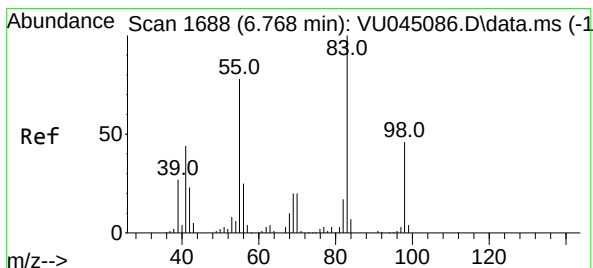
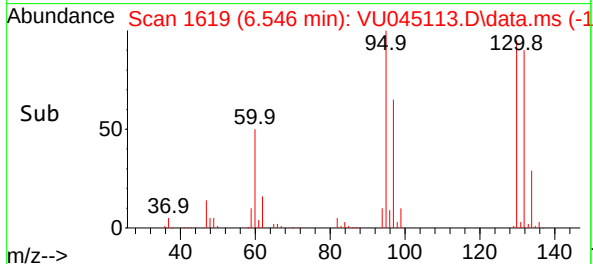
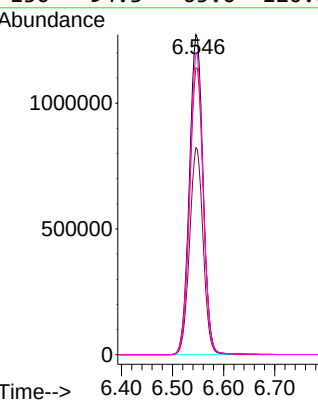
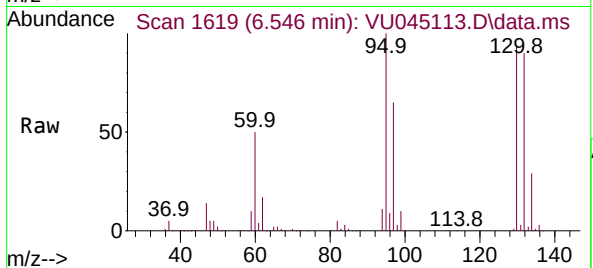
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.4

132 89.7 62.9 116.9

130 94.3 65.0 120.8



#35

Methylcyclohexane

Concen: 7.341 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU045113.D

Acq: 04 Oct 2021 22:34

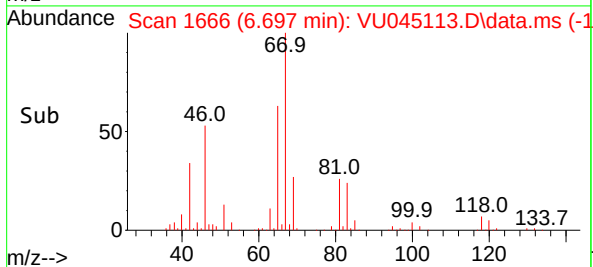
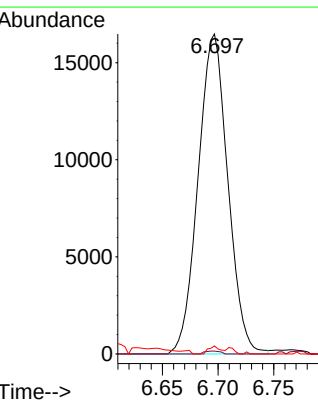
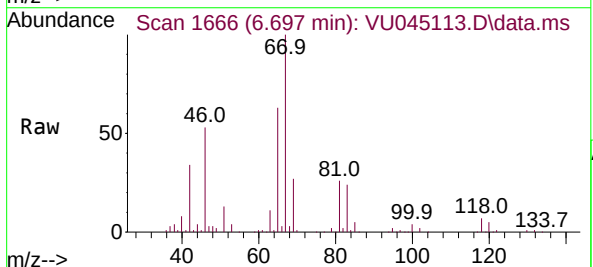
Tgt Ion: 83 Resp: 30597

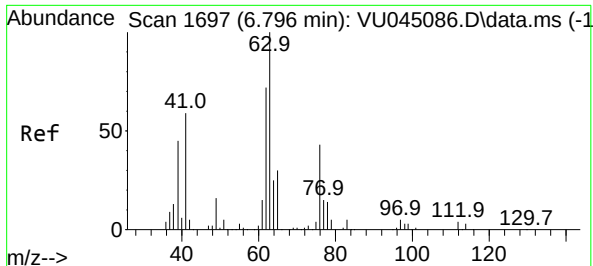
Ion Ratio Lower Upper

83 100

55 0.5 65.8 98.6#

98 1.0 37.1 55.7#



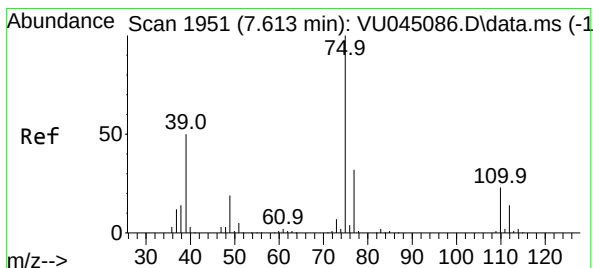
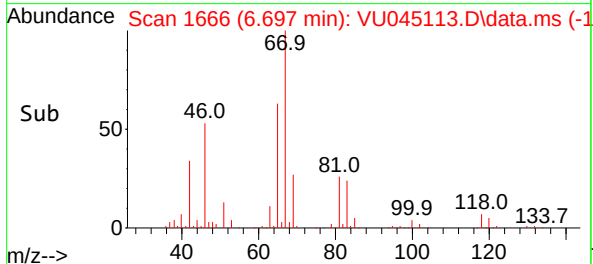
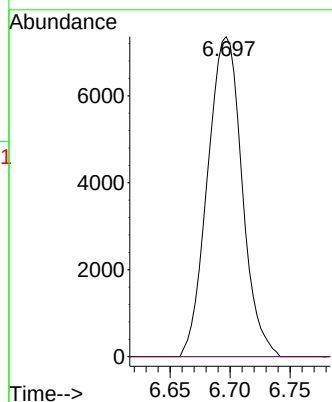
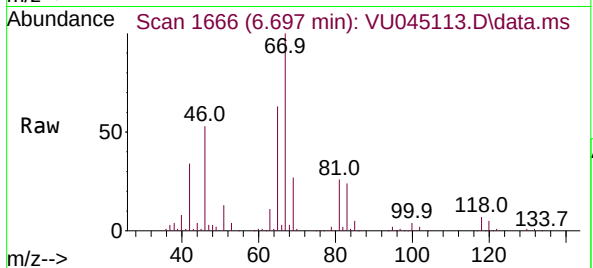


#37

1,2-Dichloropropane
Concen: 5.220 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

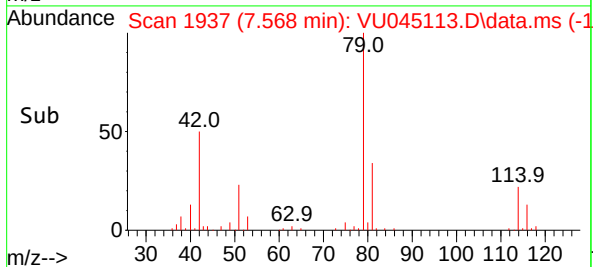
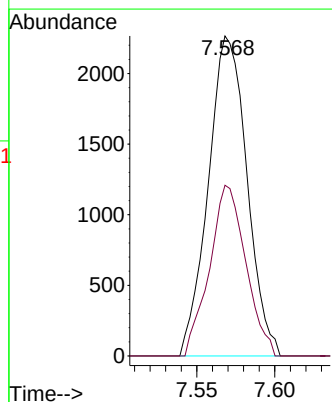
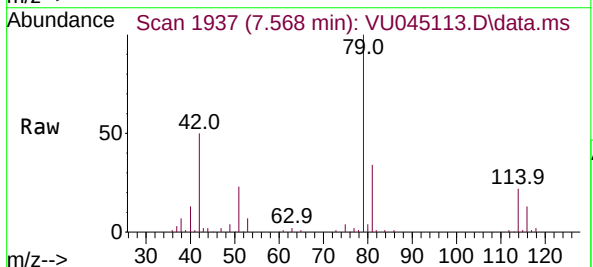
Tgt Ion: 63 Resp: 14732
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

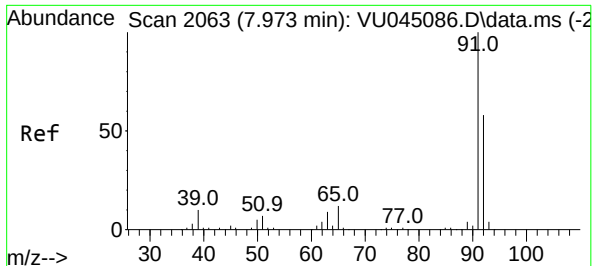


#39

cis-1,3-Dichloropropene
Concen: 0.969 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 75 Resp: 3912
Ion Ratio Lower Upper
75 100
77 53.4 22.4 41.6#

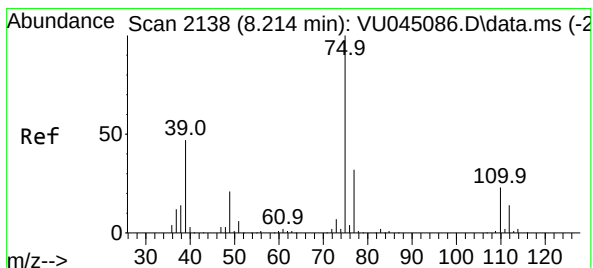
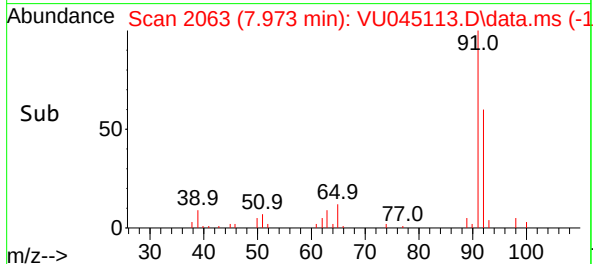
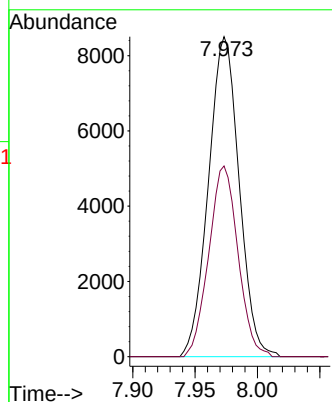
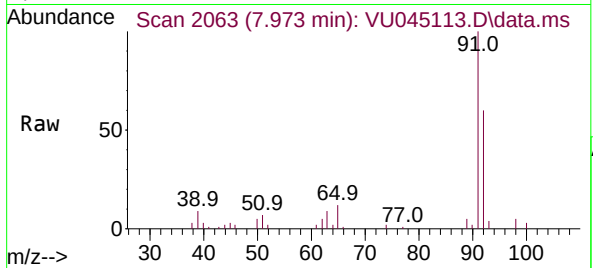




#42
Toluene
Concen: 1.385 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

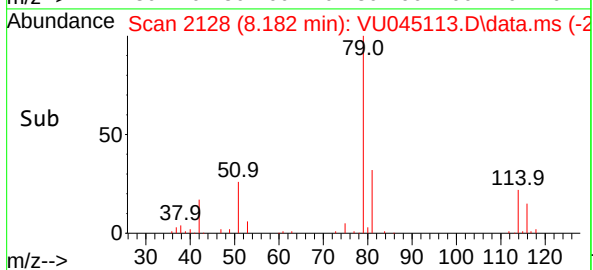
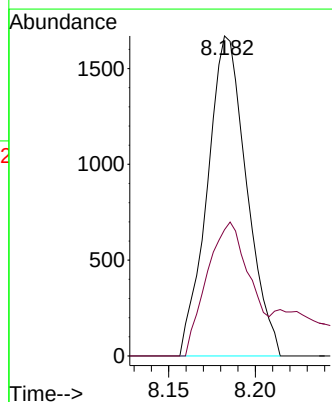
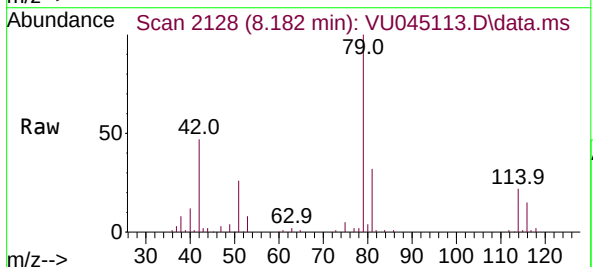
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

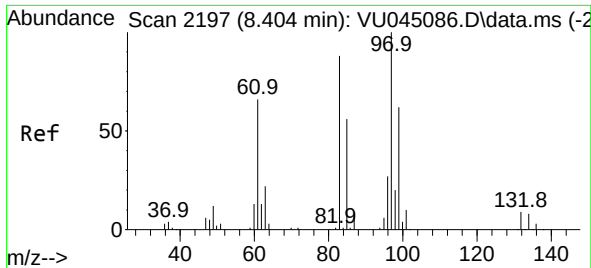
Tgt Ion: 91 Resp: 14589
Ion Ratio Lower Upper
91 100
92 59.6 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.686 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 75 Resp: 2635
Ion Ratio Lower Upper
75 100
77 39.5 21.7 40.3



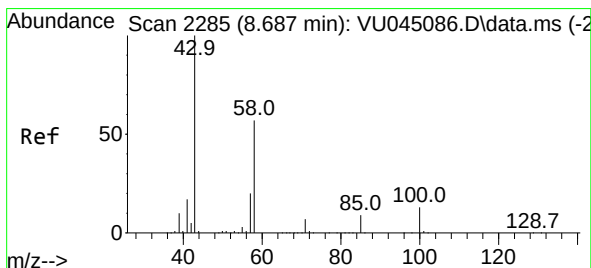
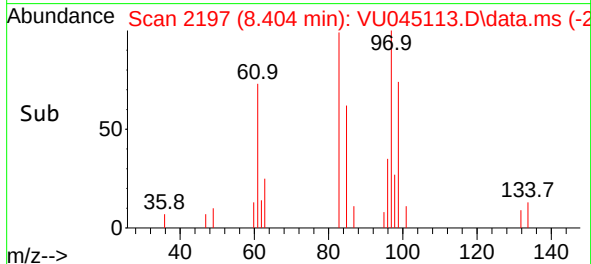
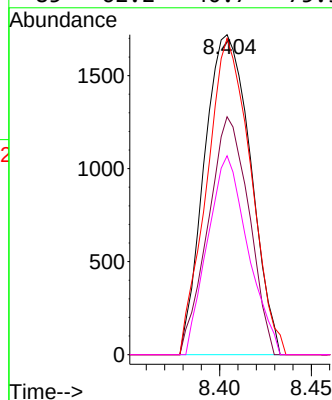
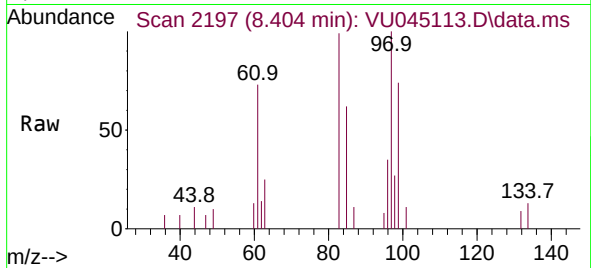


#45
1,1,2-Trichloroethane
Concen: 1.180 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

Tgt Ion: 97 Resp: 3017

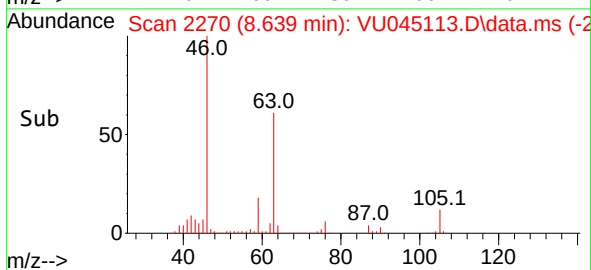
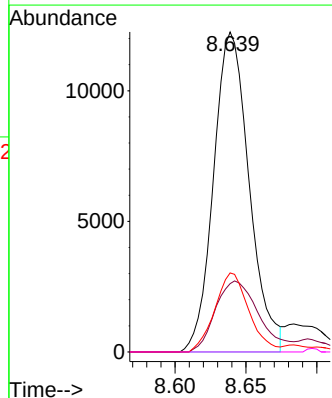
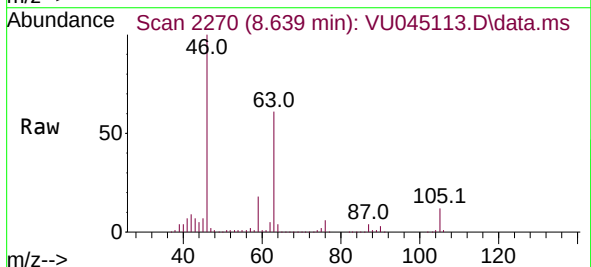
Ion	Ratio	Lower	Upper
97	100		
99	74.4	43.7	81.1
83	98.8	61.9	115.1
85	62.2	40.7	75.5

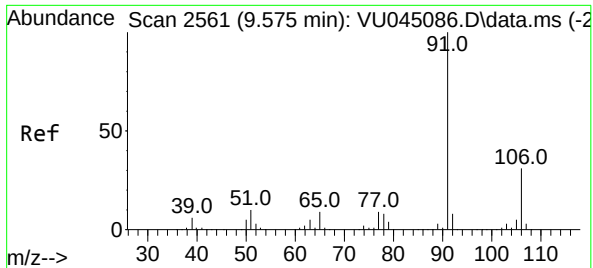


#48
2-Hexanone
Concen: 5.127 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.048 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 43 Resp: 21434

Ion	Ratio	Lower	Upper
43	100		
58	27.3	44.9	67.3#
57	23.6	15.5	23.3#
100	0.0	9.4	14.0#

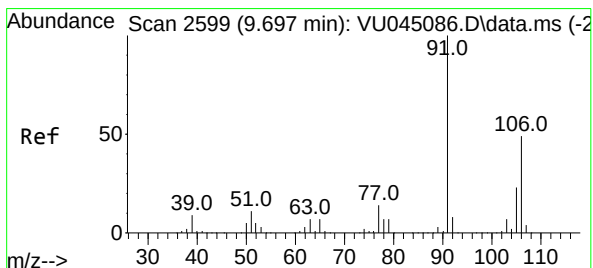
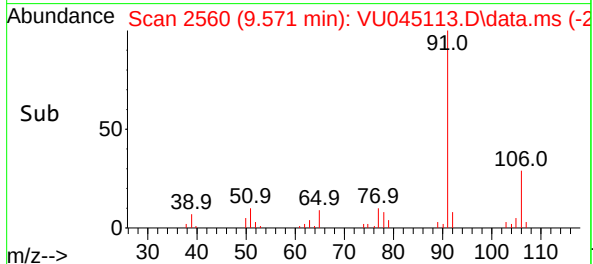
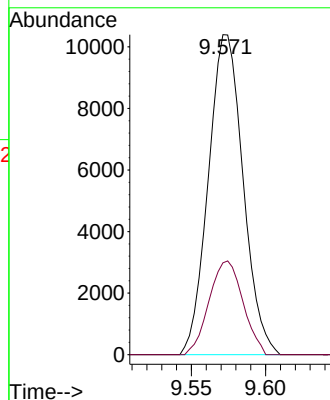
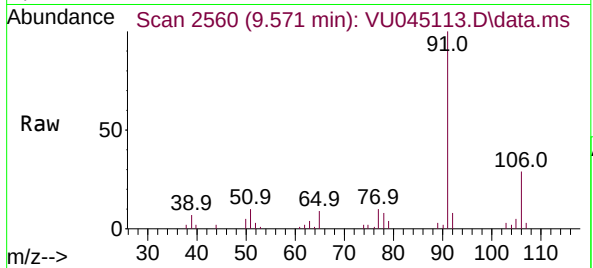




#52
Ethylbenzene
Concen: 1.520 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

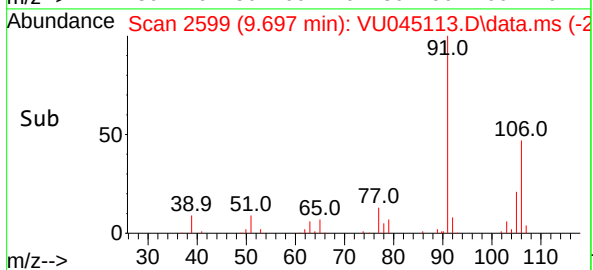
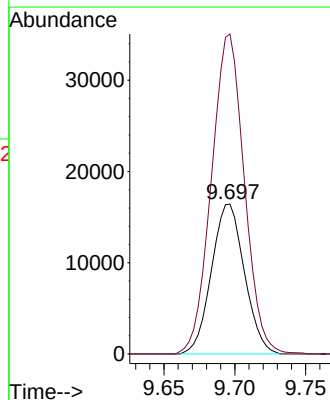
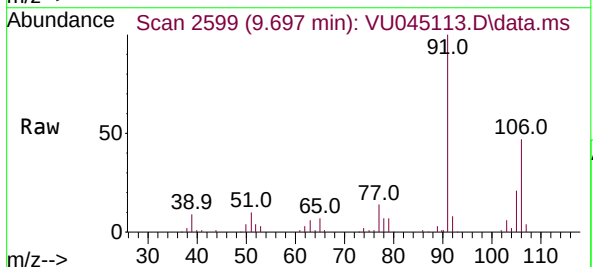
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

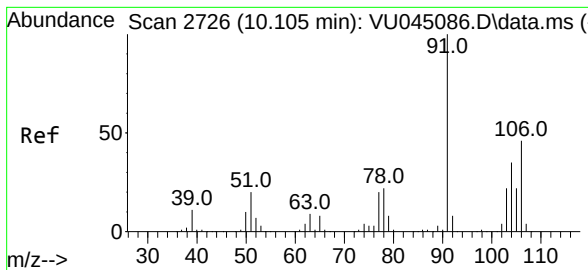
Tgt Ion: 91 Resp: 16916
Ion Ratio Lower Upper
91 100
106 28.7 21.2 39.4



#53
m,p-Xylene
Concen: 6.314 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion:106 Resp: 26611
Ion Ratio Lower Upper
106 100
91 213.3 146.7 272.4





#54
o-xylene
Concen: 3.361 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

Tgt Ion:106 Resp: 13921
Ion Ratio Lower Upper
106 100
91 226.7 152.9 283.9

