

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045213.D
 Acq On : 07 Oct 2021 15:41
 Operator : SY/MD
 Sample : M4025-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 21:38:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 21:34:31 2021
 Response via : Initial Calibration

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

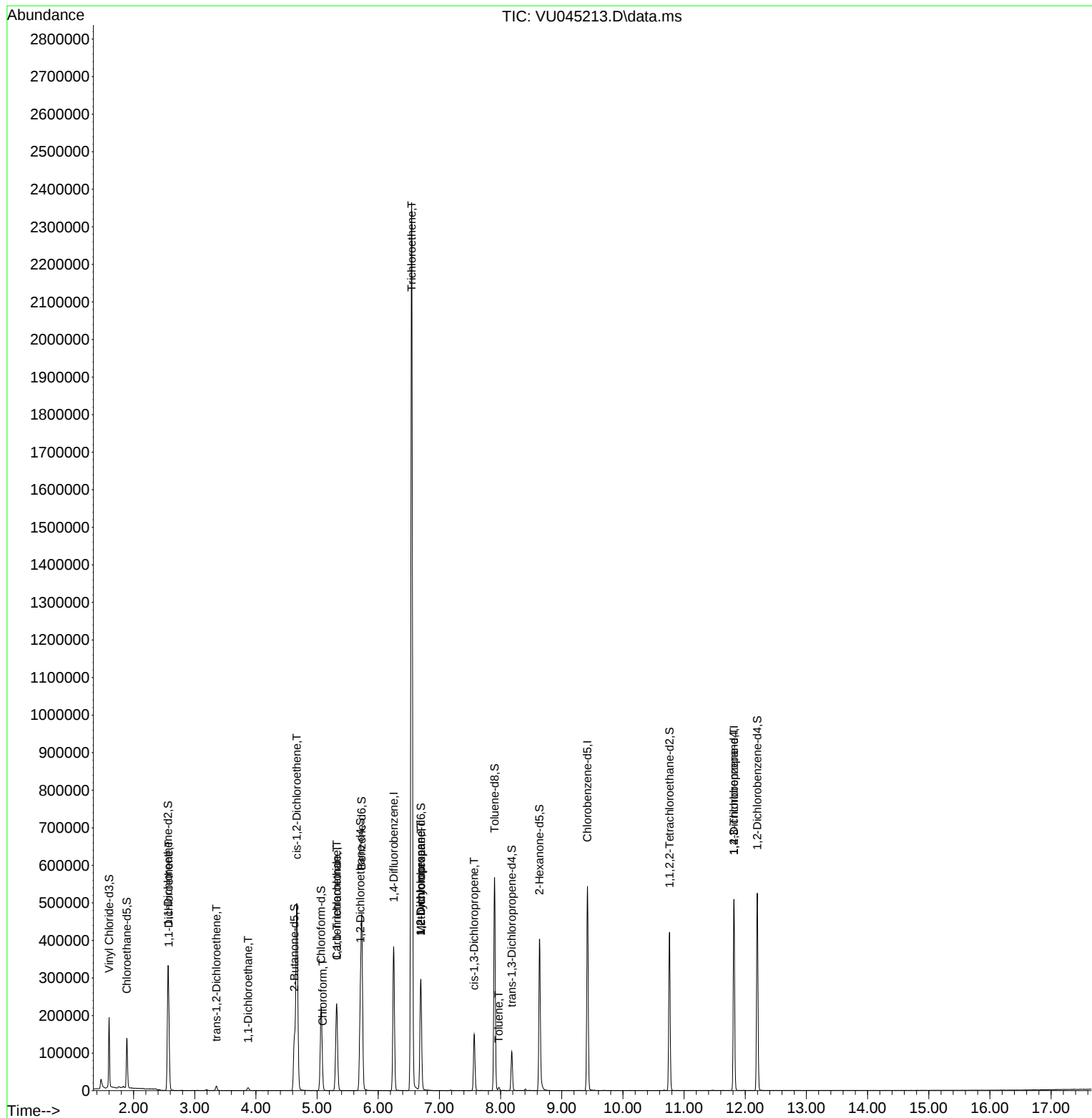
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	295876	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	284450	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	125097	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	116628	36.008	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.020%		
7) Chloroethane-d5	1.890	69	100041	38.977	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.960%		
11) 1,1-Dichloroethene-d2	2.562	63	178647	32.843	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.680%		
21) 2-Butanone-d5	4.629	46	195145	76.209	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	76.210%		
24) Chloroform-d	5.066	84	196902	38.490	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.980%		
26) 1,2-Dichloroethane-d4	5.706	65	141635	40.874	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.740%		
32) Benzene-d6	5.729	84	416143	42.161	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.320%		
36) 1,2-Dichloropropane-d6	6.697	67	132919	41.300	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.600%		
41) Toluene-d8	7.902	98	360578	42.332	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.660%		
43) trans-1,3-Dichloroprop...	8.182	79	55484	38.756	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.520%		
47) 2-Hexanone-d5	8.635	63	140499	78.776	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.780%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	204731	40.851	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.700%		
66) 1,2-Dichlorobenzene-d4	12.198	152	127242	46.738	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.480%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.575	96	47525	20.742	ug/L #	79
17) trans-1,2-Dichloroethene	3.353	96	4692	1.944	ug/L	93
19) 1,1-Dichloroethane	3.874	63	8825	1.758	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	248453	93.416	ug/L	90
25) Chloroform	5.092	83	3543	0.710	ug/L	86
30) 1,1,1-Trichloroethane	5.320	97	162656	41.309	ug/L	99
31) Carbon tetrachloride	5.320	117	20610	6.627	ug/L	97
34) Trichloroethene	6.545	95	796243	314.220	ug/L	99
35) Methylcyclohexane	6.697	83	31411	7.404	ug/L #	16
37) 1,2-Dichloropropane	6.693	63	15225	5.300	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3513	0.855	ug/L #	63
42) Toluene	7.970	91	5677	0.530	ug/L	98
60) 1,2,3-Trichloropropane	11.815	75	16638	4.809	ug/L #	66

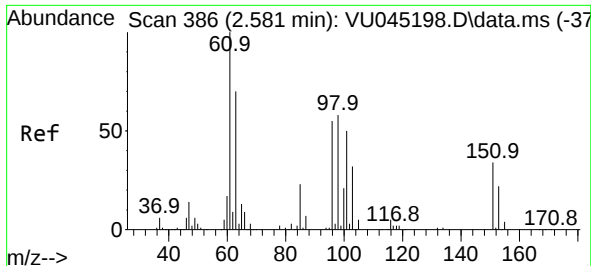
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 07 21:34:31 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.742 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.007 min

Lab File: VU045213.D

Acq: 07 Oct 2021 15:41

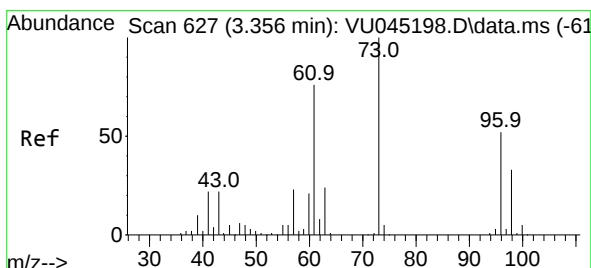
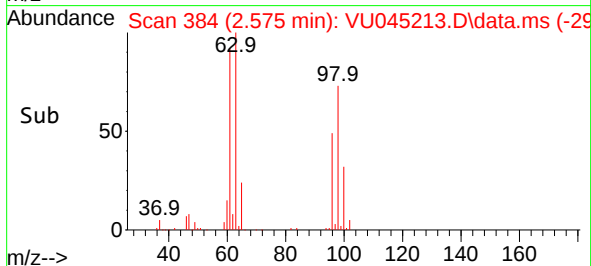
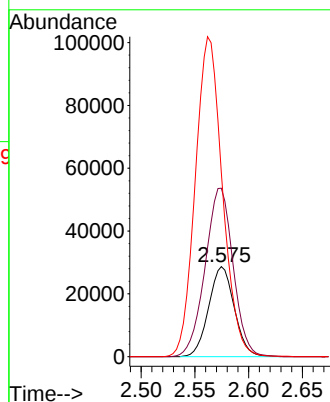
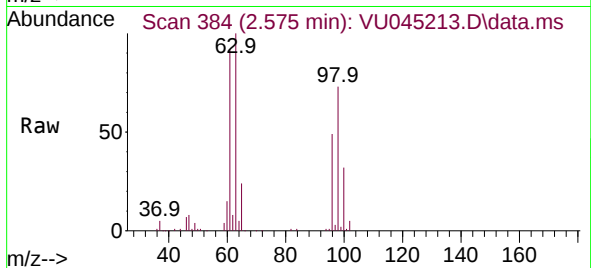
Tgt Ion: 96 Resp: 47525

Ion Ratio Lower Upper

96 100

61 187.0 131.3 243.9

63 204.3 102.5 190.3#



#17

trans-1,2-Dichloroethene

Concen: 1.944 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.003 min

Lab File: VU045213.D

Acq: 07 Oct 2021 15:41

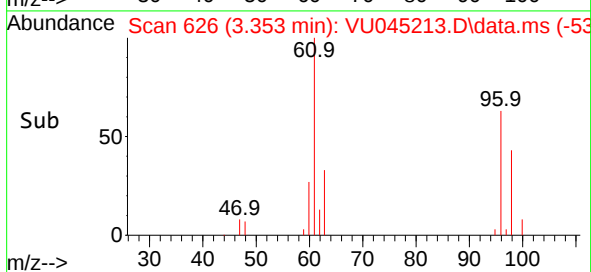
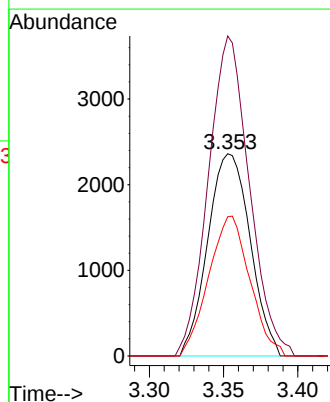
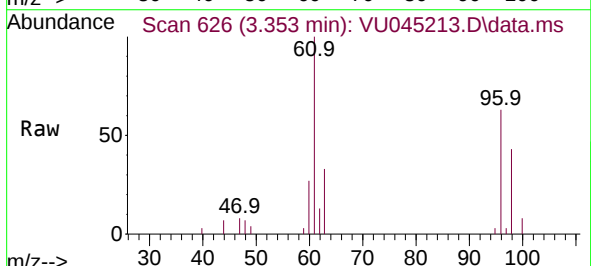
Tgt Ion: 96 Resp: 4692

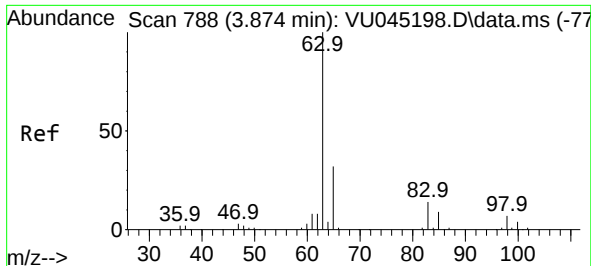
Ion Ratio Lower Upper

96 100

61 158.2 105.1 195.3

98 68.8 43.0 79.8





#19

1,1-Dichloroethane

Concen: 1.758 ug/L

RT: 3.874 min Scan# 788

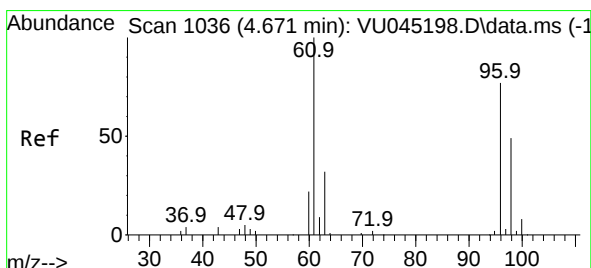
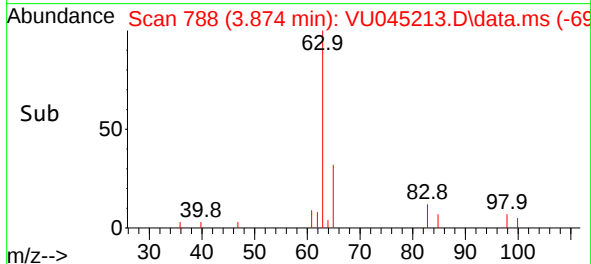
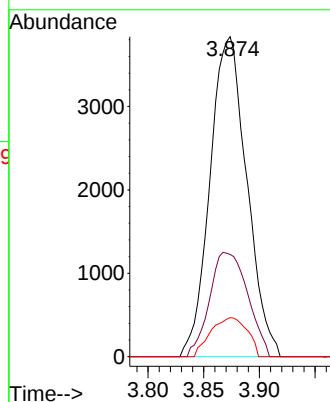
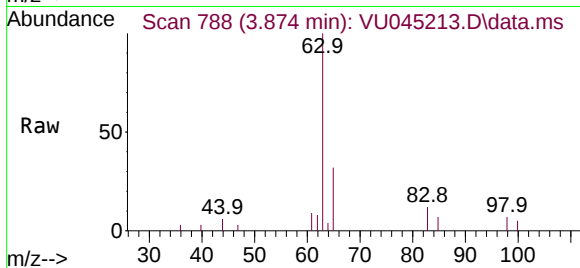
Delta R.T. -0.000 min

Lab File: VU045213.D

Acq: 07 Oct 2021 15:41

Tgt Ion: 63 Resp: 8825

Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.0	40.8
83	12.2	9.0	16.6



#20

cis-1,2-Dichloroethene

Concen: 93.416 ug/L

RT: 4.668 min Scan# 1035

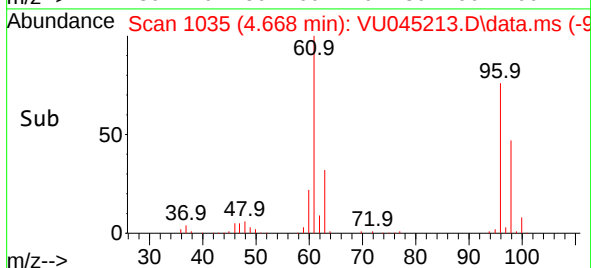
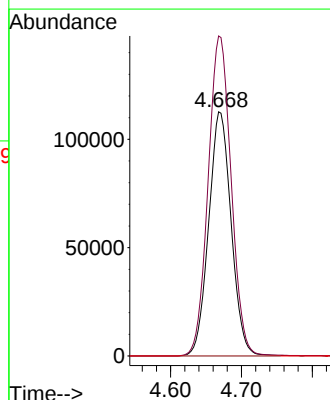
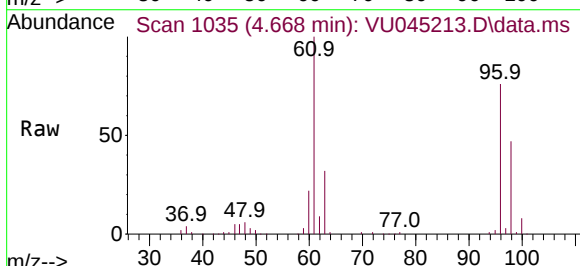
Delta R.T. -0.003 min

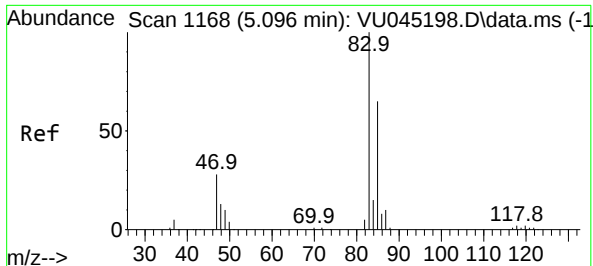
Lab File: VU045213.D

Acq: 07 Oct 2021 15:41

Tgt Ion: 96 Resp: 248453

Ion	Ratio	Lower	Upper
96	100		
61	131.1	100.2	186.0
68	0.0	0.0	0.0



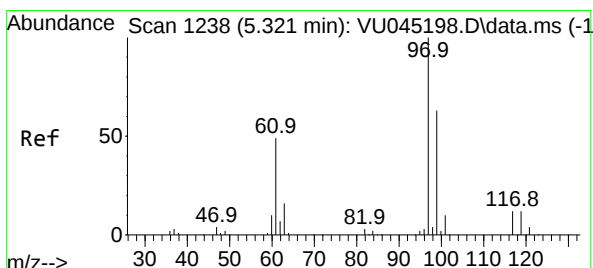
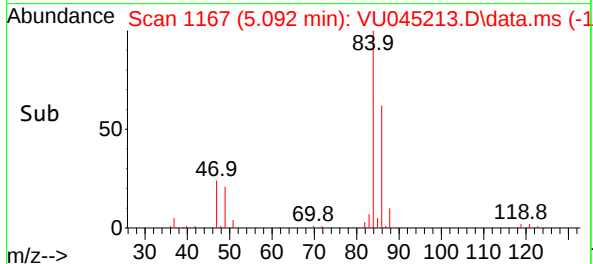
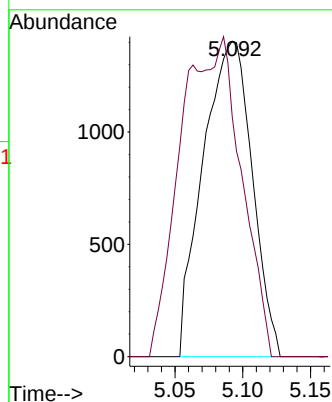
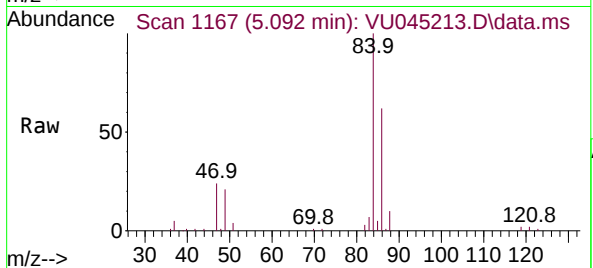


#25

Chloroform
Concen: 0.710 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU045213.D
Acq: 07 Oct 2021 15:41

Instrument :
MSVOA_U
ClientSampled :

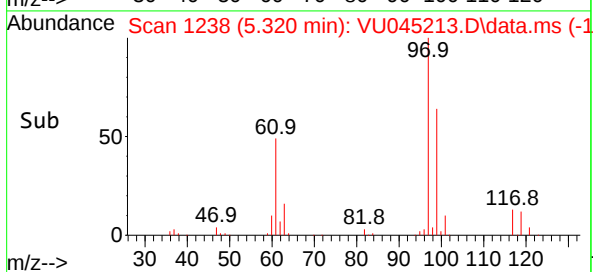
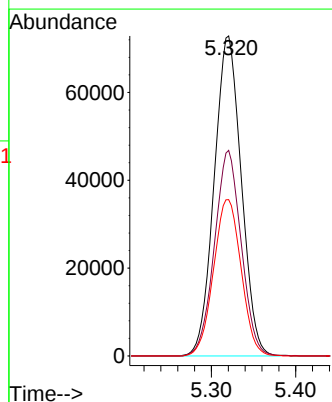
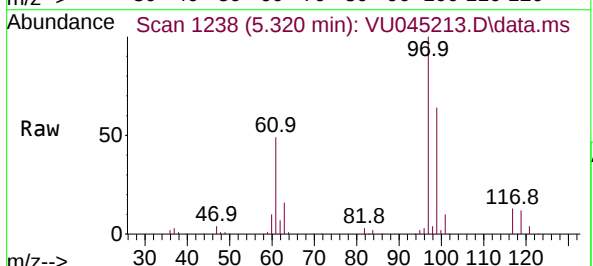
Tgt Ion: 83 Resp: 3543
Ion Ratio Lower Upper
83 100
85 76.2 45.6 84.6

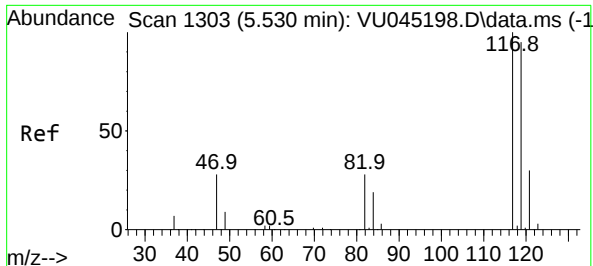


#30

1,1,1-Trichloroethane
Concen: 41.309 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU045213.D
Acq: 07 Oct 2021 15:41

Tgt Ion: 97 Resp: 162656
Ion Ratio Lower Upper
97 100
99 63.5 50.6 75.8
61 49.8 41.3 61.9

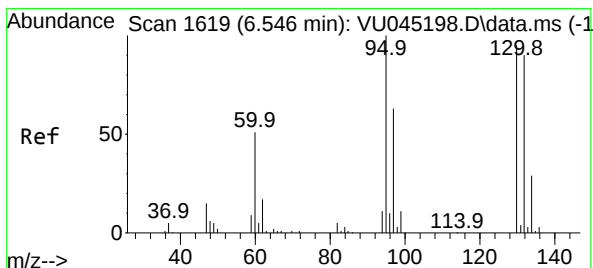
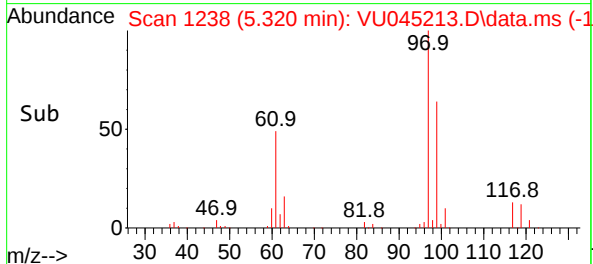
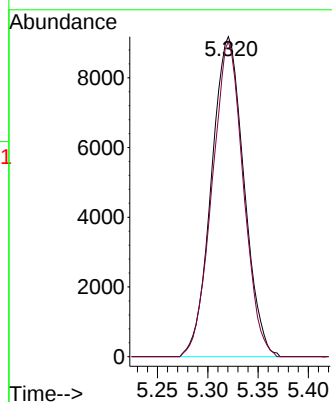
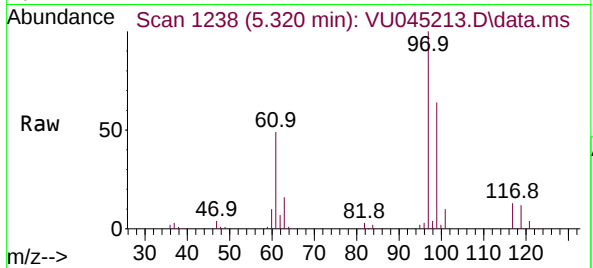




#31
Carbon tetrachloride
Concen: 6.627 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045213.D
Acq: 07 Oct 2021 15:41

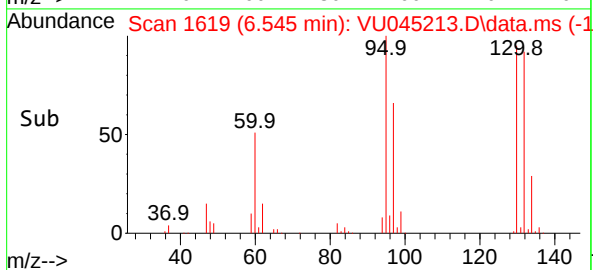
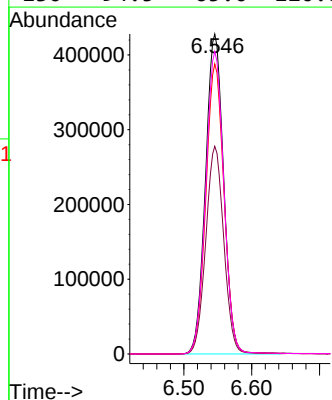
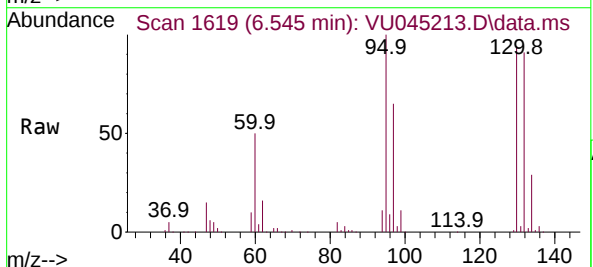
Instrument :
MSVOA_U
ClientSampleId :

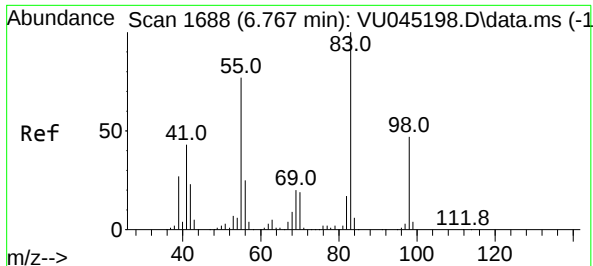
Tgt Ion:117 Resp: 20610
Ion Ratio Lower Upper
117 100
119 94.6 77.7 116.5



#34
Trichloroethene
Concen: 314.220 ug/L
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045213.D
Acq: 07 Oct 2021 15:41

Tgt Ion: 95 Resp: 796243
Ion Ratio Lower Upper
95 100
97 64.9 44.4 82.4
132 90.7 62.9 116.9
130 94.5 65.0 120.8





#35

Methylcyclohexane

Concen: 7.404 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU045213.D

Acq: 07 Oct 2021 15:41

Tgt Ion: 83 Resp: 31411

Ion Ratio Lower Upper

83 100

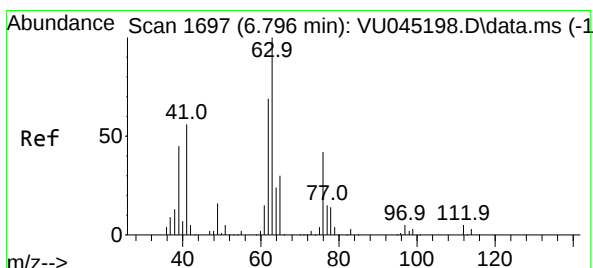
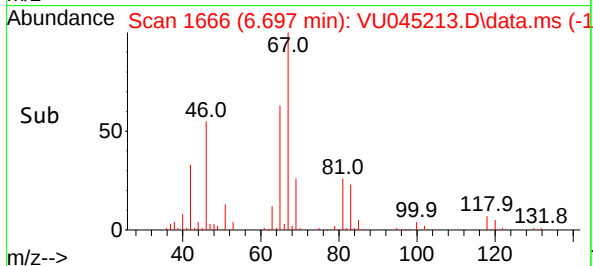
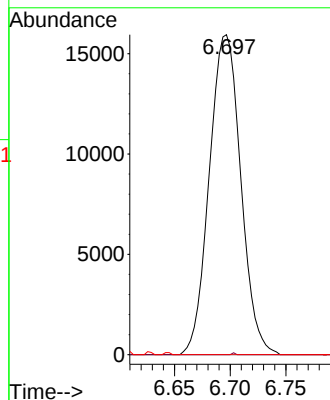
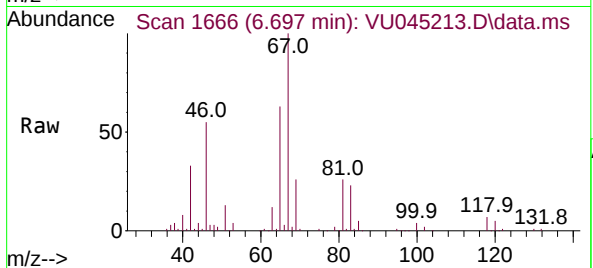
55 0.0 65.8 98.6#

98 0.1 37.1 55.7#

Instrument :

MSVOA_U

ClientSampleId :



#37

1,2-Dichloropropane

Concen: 5.300 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU045213.D

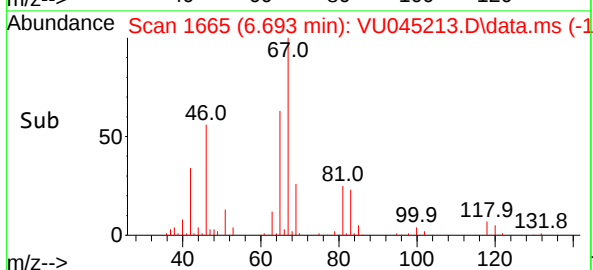
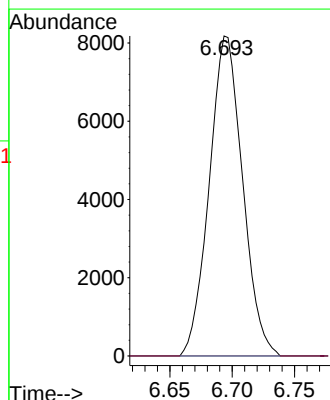
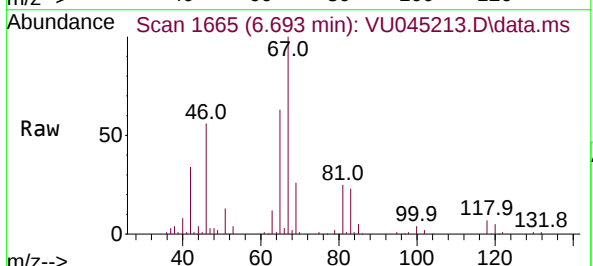
Acq: 07 Oct 2021 15:41

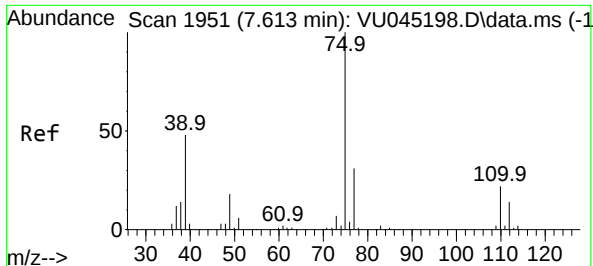
Tgt Ion: 63 Resp: 15225

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



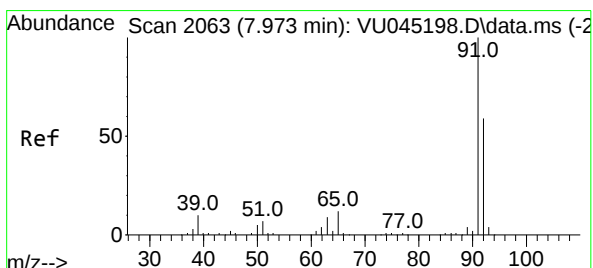
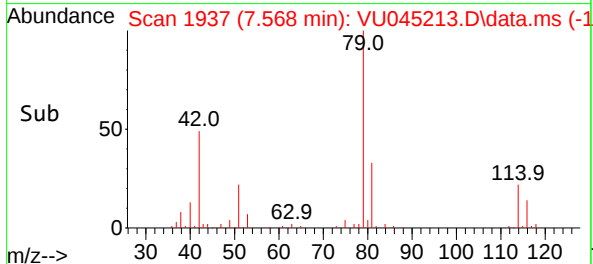
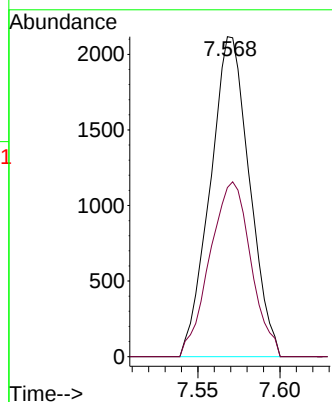
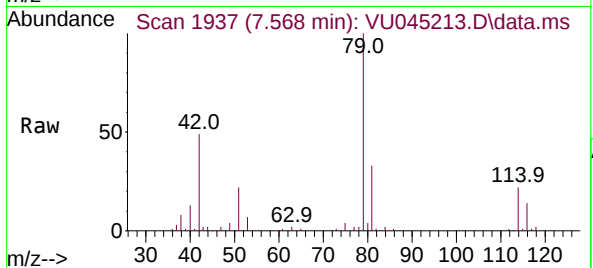


#39

cis-1,3-Dichloropropene
Concen: 0.855 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045213.D
Acq: 07 Oct 2021 15:41

Instrument :
MSVOA_U
ClientSampled :

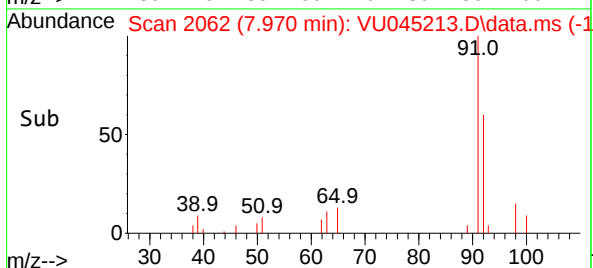
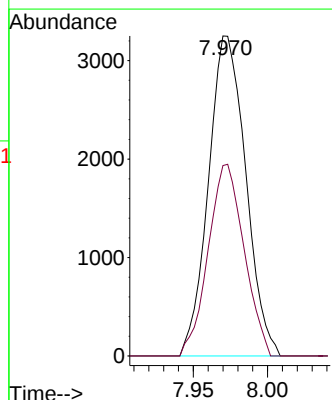
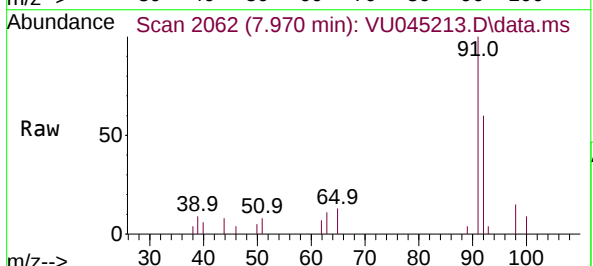
Tgt Ion: 75 Resp: 3513
Ion Ratio Lower Upper
75 100
77 52.9 22.4 41.6#

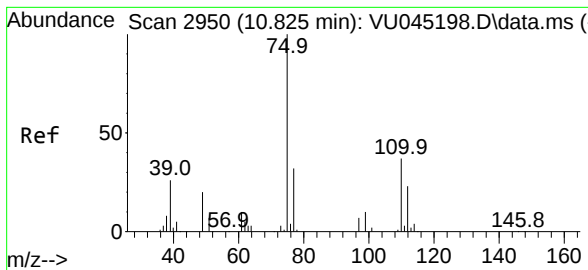


#42

Toluene
Concen: 0.530 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU045213.D
Acq: 07 Oct 2021 15:41

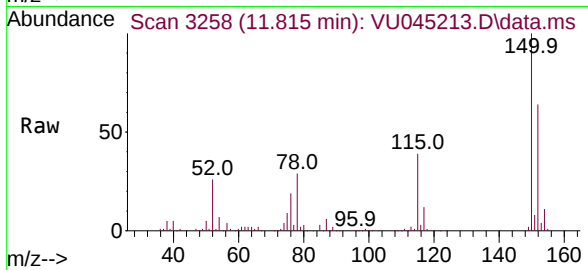
Tgt Ion: 91 Resp: 5677
Ion Ratio Lower Upper
91 100
92 59.5 40.5 75.1





#60
 1,2,3-Trichloropropane
 Concen: 4.809 ug/L
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.990 min
 Lab File: VU045213.D
 Acq: 07 Oct 2021 15:41

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	16638
Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.5	38.3
110	1.2	29.0	43.4#

