

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046225.D
 Acq On : 09 Dec 2021 17:21
 Operator : SY/MD
 Sample : M4983-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P2

Quant Time: Dec 10 03:45:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

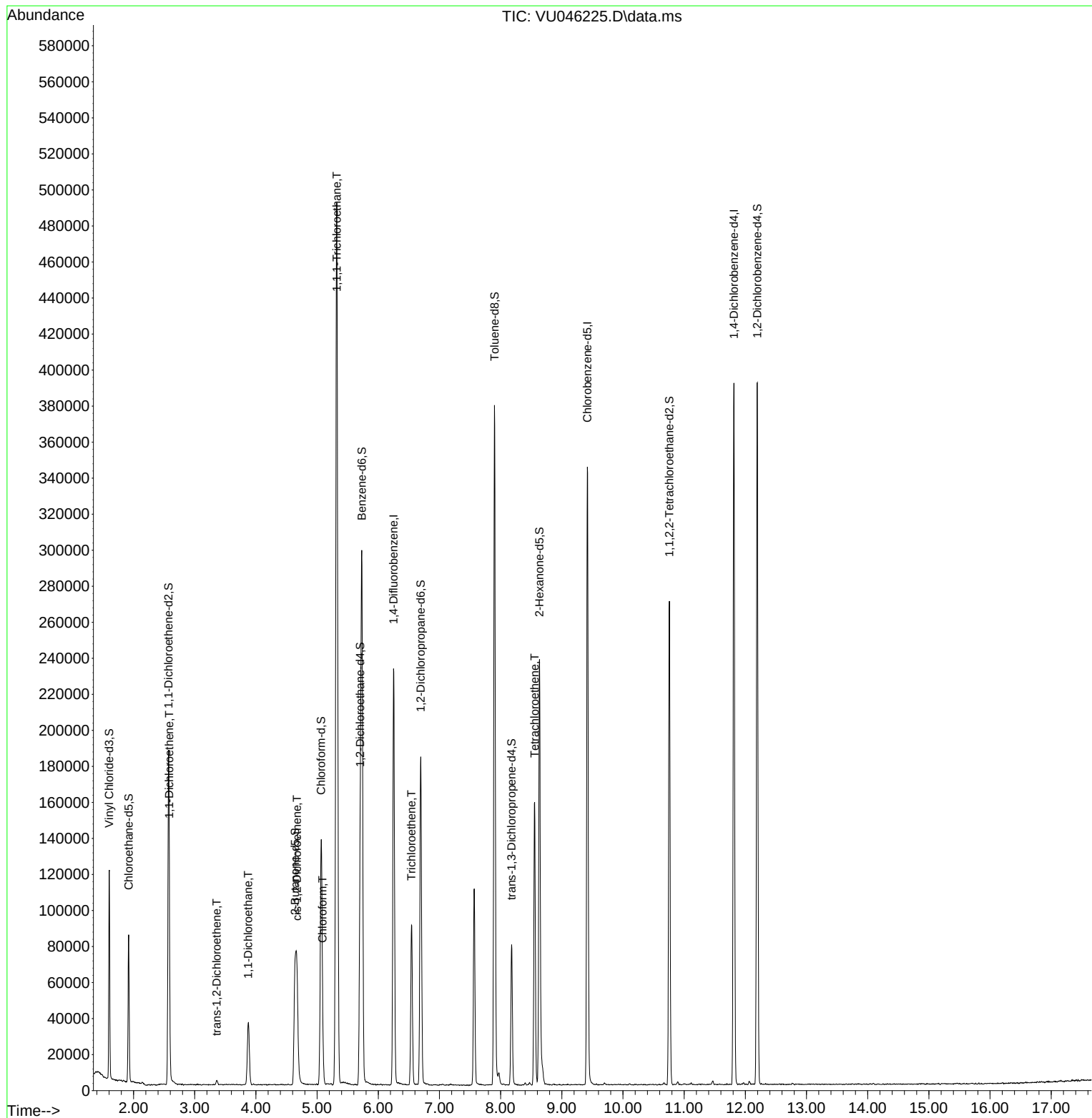
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	190383	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197872	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	106301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	80605	51.397	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.800%
7) Chloroethane-d5	1.919	69	58889	48.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.820%
11) 1,1-Dichloroethene-d2	2.572	63	109763	38.987	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.980%
21) 2-Butanone-d5	4.639	46	127493	102.264	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.260%
24) Chloroform-d	5.067	84	128859	49.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.704	65	89195	50.748	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.500%
32) Benzene-d6	5.732	84	282303	49.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
36) 1,2-Dichloropropane-d6	6.694	67	87919	50.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.040%
41) Toluene-d8	7.900	98	257060	49.782	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.560%
43) trans-1,3-Dichloroprop...	8.179	79	43573	51.354	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.700%
47) 2-Hexanone-d5	8.633	63	88015	105.614	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	133483	50.077	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.160%
66) 1,2-Dichlorobenzene-d4	12.195	152	102800	50.216	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.440%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.585	96	7729	5.871	ug/L #	1
17) trans-1,2-Dichloroethene	3.360	96	1118	0.803	ug/L #	72
19) 1,1-Dichloroethane	3.874	63	41141	16.242	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	20510	13.569	ug/L	99
25) Chloroform	5.089	83	10927	3.883	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	363297	149.573	ug/L	99
34) Trichloroethene	6.543	95	29259	18.545	ug/L	97
46) Tetrachloroethene	8.556	164	35299	30.445	ug/L	98

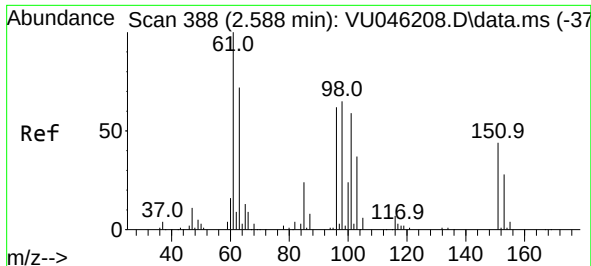
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.871 ug/L

RT: 2.585 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046225.D

Acq: 09 Dec 2021 17:21

Instrument :

MSVOA_U

ClientSampleId :

EW5P2

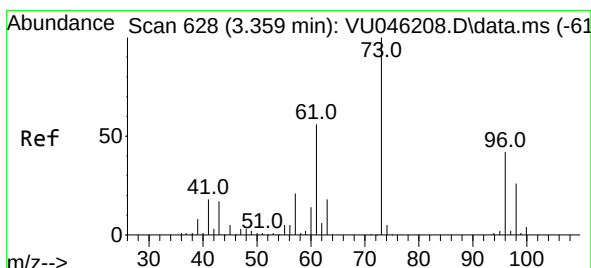
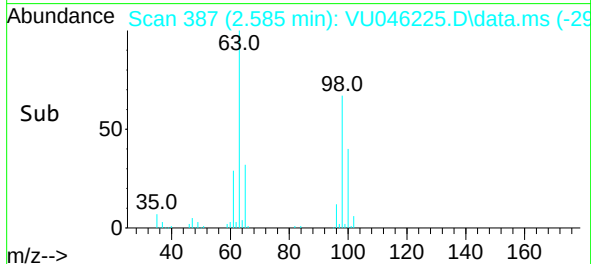
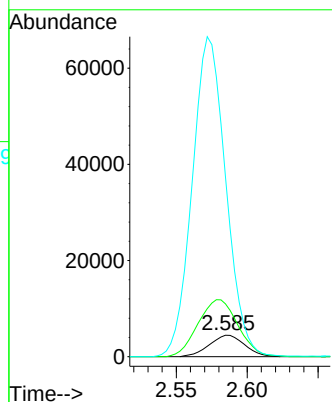
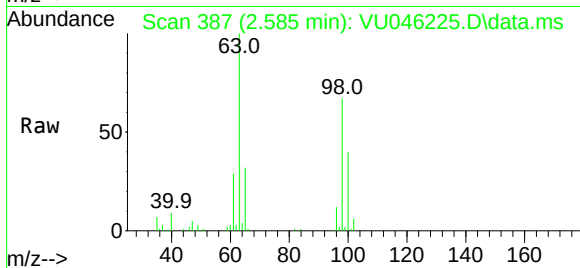
Tgt Ion: 96 Resp: 7729

Ion Ratio Lower Upper

96 100

61 245.8 118.6 220.2#

63 836.9 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 0.803 ug/L

RT: 3.360 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU046225.D

Acq: 09 Dec 2021 17:21

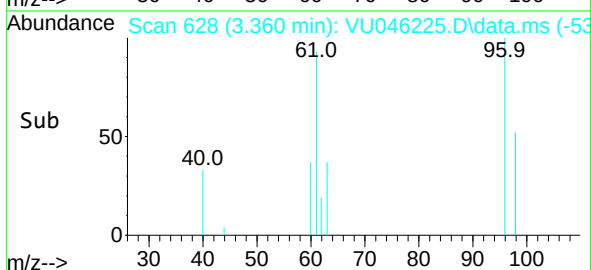
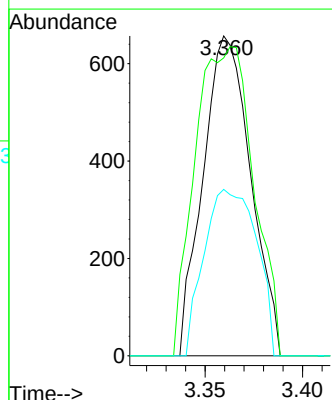
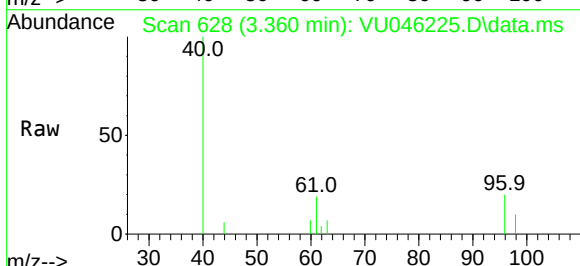
Tgt Ion: 96 Resp: 1118

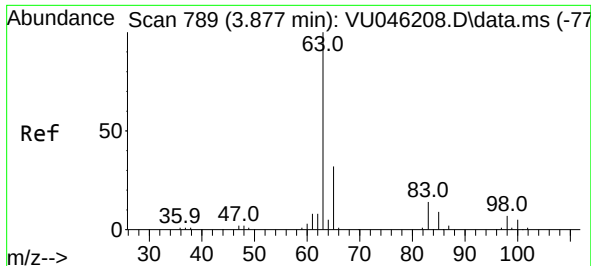
Ion Ratio Lower Upper

96 100

61 93.2 94.6 175.6#

98 52.1 44.0 81.8





#19

1,1-Dichloroethane

Concen: 16.242 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046225.D

Acq: 09 Dec 2021 17:21

Instrument :

MSVOA_U

ClientSampleId :

EW5P2

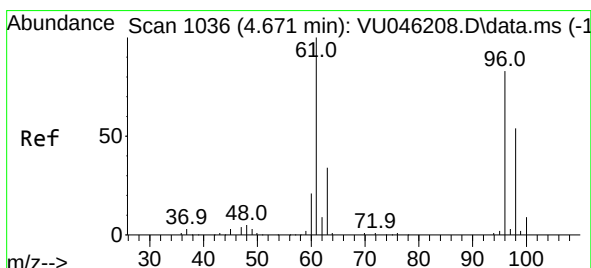
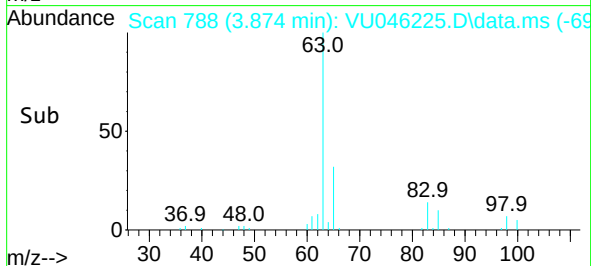
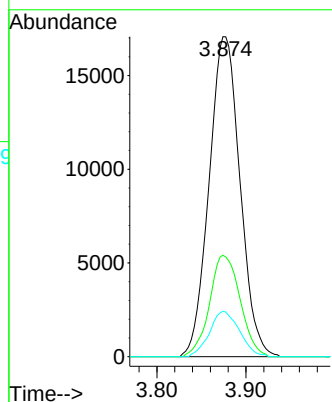
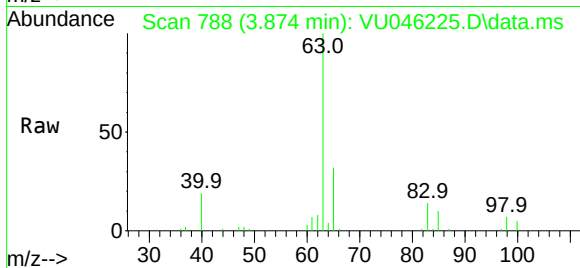
Tgt Ion: 63 Resp: 41141

Ion Ratio Lower Upper

63 100

65 31.7 22.8 42.4

83 14.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 13.569 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046225.D

Acq: 09 Dec 2021 17:21

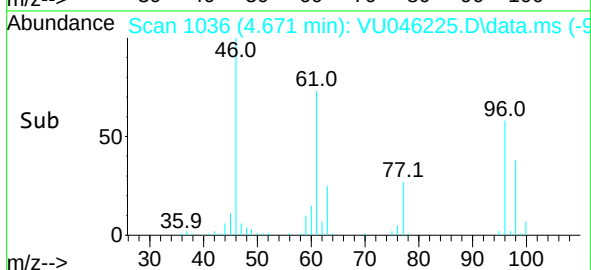
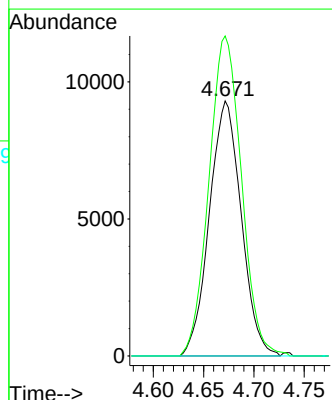
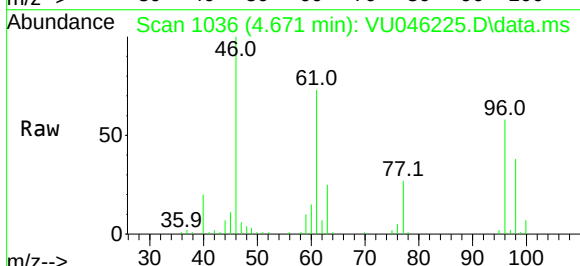
Tgt Ion: 96 Resp: 20510

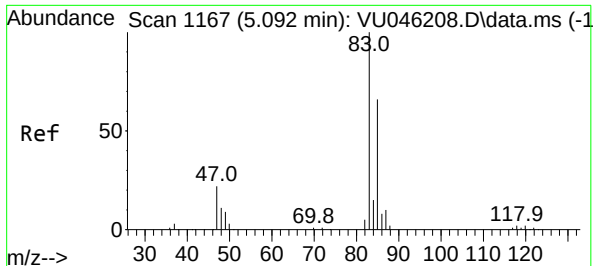
Ion Ratio Lower Upper

96 100

61 125.5 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 3.883 ug/L

RT: 5.089 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046225.D

Acq: 09 Dec 2021 17:21

Instrument :

MSVOA_U

ClientSampleId :

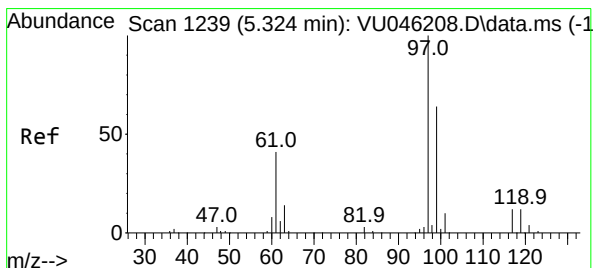
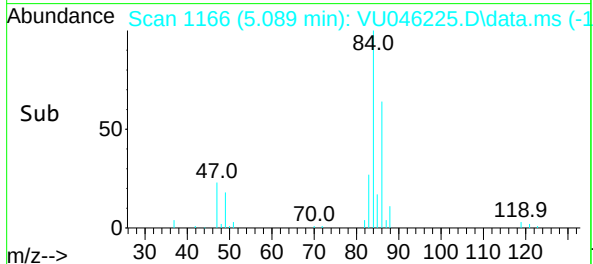
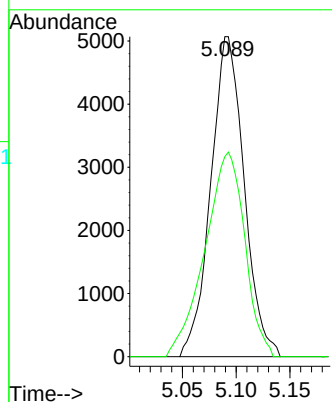
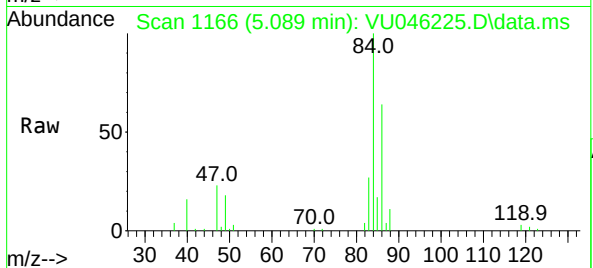
EW5P2

Tgt Ion: 83 Resp: 10927

Ion Ratio Lower Upper

83 100

85 62.5 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 149.573 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046225.D

Acq: 09 Dec 2021 17:21

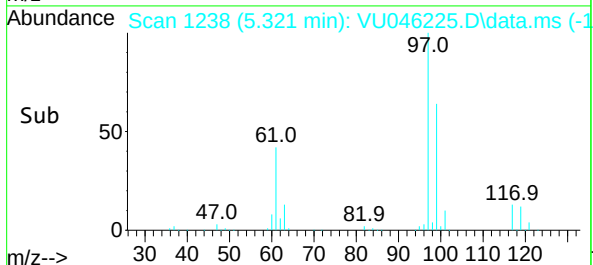
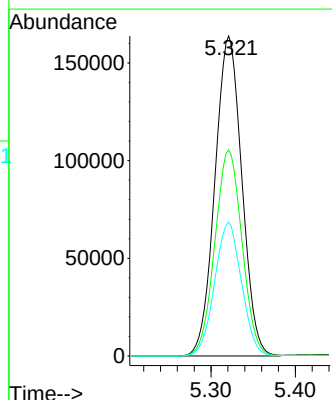
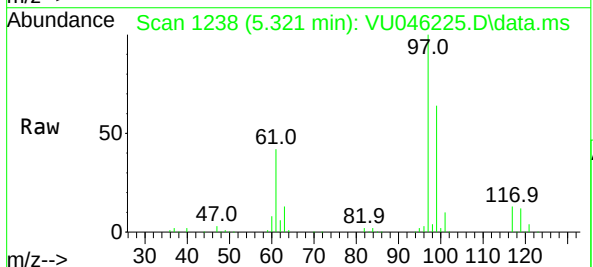
Tgt Ion: 97 Resp: 363297

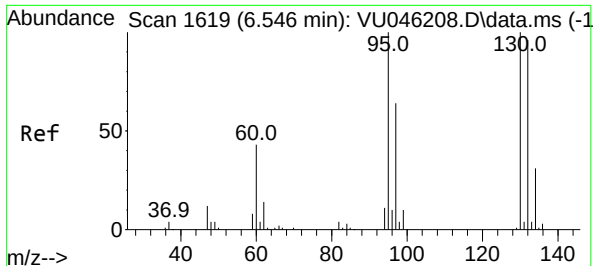
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 41.7 34.4 51.6



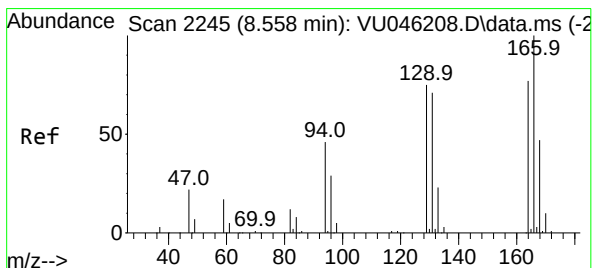
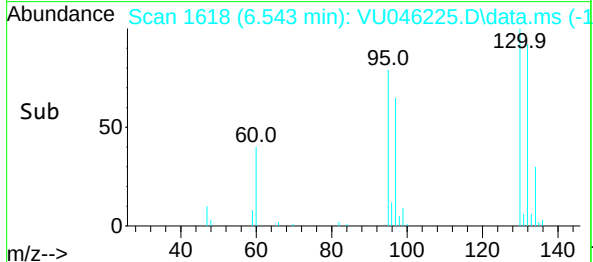
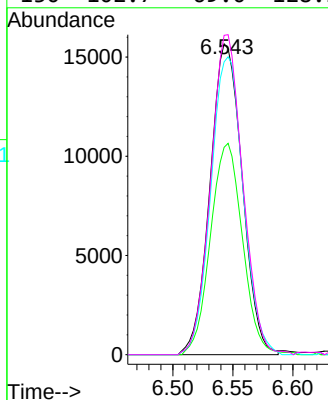
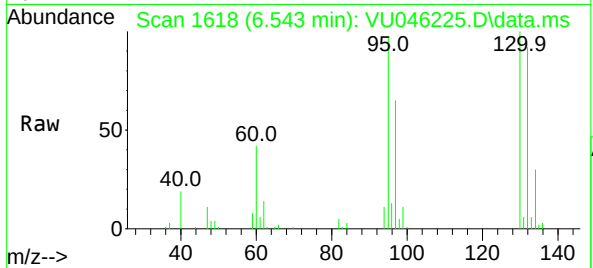


#34
Trichloroethene
Concen: 18.545 ug/L
RT: 6.543 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU046225.D
Acq: 09 Dec 2021 17:21

Instrument :
MSVOA_U
ClientSampleId :
EW5P2

Tgt Ion: 95 Resp: 29259

Ion	Ratio	Lower	Upper
95	100		
97	66.7	44.1	81.9
132	94.2	66.8	124.0
130	102.7	69.0	128.1



#46
Tetrachloroethene
Concen: 30.445 ug/L
RT: 8.556 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046225.D
Acq: 09 Dec 2021 17:21

Tgt Ion: 164 Resp: 35299

Ion	Ratio	Lower	Upper
164	100		
129	99.8	71.1	132.1
131	94.8	67.8	126.0
166	131.5	90.6	168.2

