

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
 Data File : VU026932.D
 Acq On : 20 Sep 2018 12:43
 Operator : MD/SY
 Sample : J4893-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K3

Quant Time: Sep 27 05:21:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	329903	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	318669	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	185407	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	95603	39.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.34%
7) Chloroethane-d5	1.68	69	81901	39.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.42%
11) 1,1-Dichloroethene-d2	2.27	63	136028	29.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.92%#
21) 2-Butanone-d5	4.18	46	129947	80.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.24%
24) Chloroform-d	4.65	84	170099	37.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.16%
26) 1,2-Dichloroethane-d4	5.31	65	107227	37.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.24%
32) Benzene-d6	5.34	84	348121	38.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.96%
36) 1,2-Dichloropropane-d6	6.33	67	113038	39.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.56%
41) Toluene-d8	7.57	98	302172	37.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.90%#
43) trans-1,3-Dichloropropene-	7.85	79	48023	37.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.76%
47) 2-Hexanone-d5	8.31	63	91708	81.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148330	36.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	140104	36.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.64%#

Target Compounds

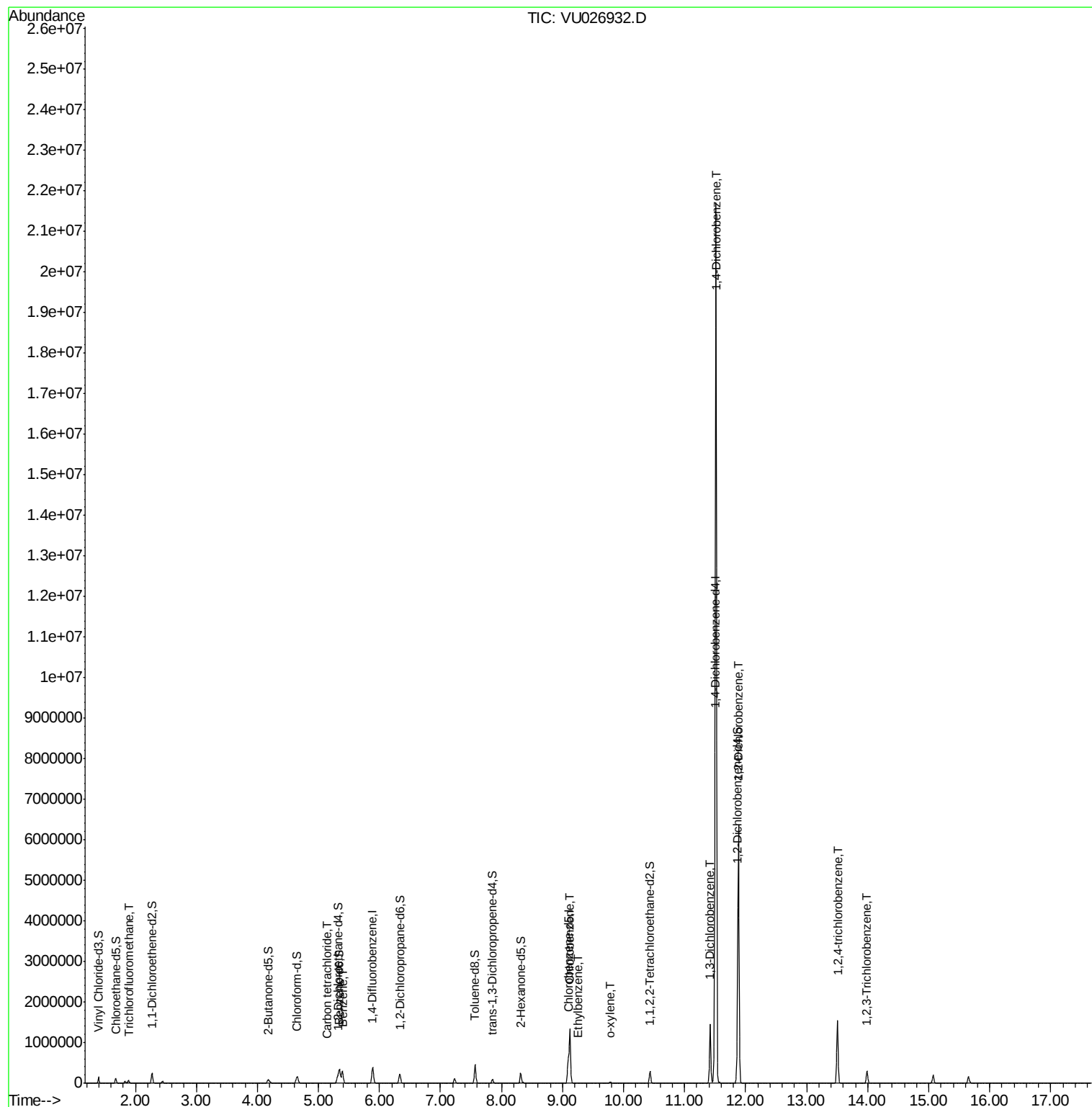
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	1.89	101	37043	9.633	ug/L	99
31) Carbon tetrachloride	5.14	117	3118	0.918	ug/L	99
33) Benzene	5.39	78	286762	29.025	ug/L	100
51) Chlorobenzene	9.12	112	727463	107.230	ug/L	100
52) Ethylbenzene	9.25	91	6412	0.612	ug/L	91
54) o-xylene	9.78	106	6746	1.720	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	605654	107.156	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	9075912	1458.289	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	2608890	416.866	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	505796	134.198	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	101827	24.533	ug/L	99

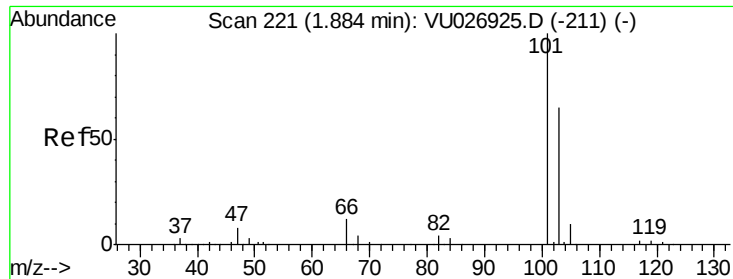
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 9.633 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026932.D

Acq: 20 Sep 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

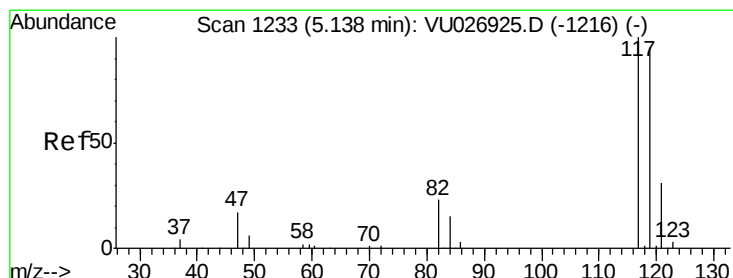
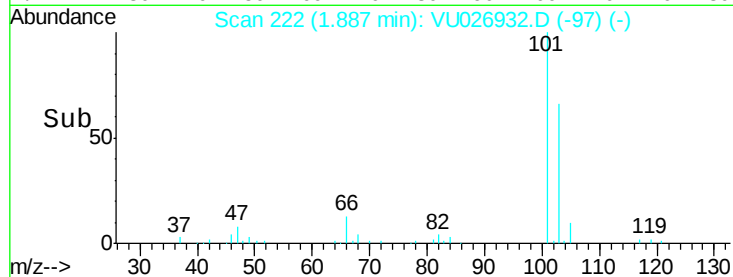
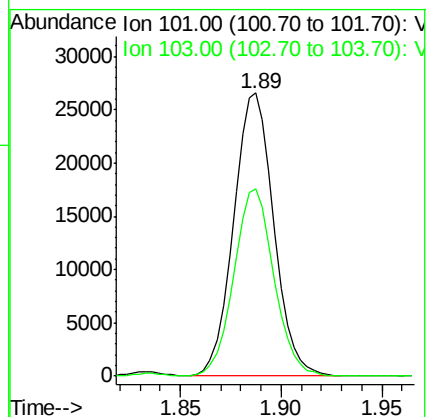
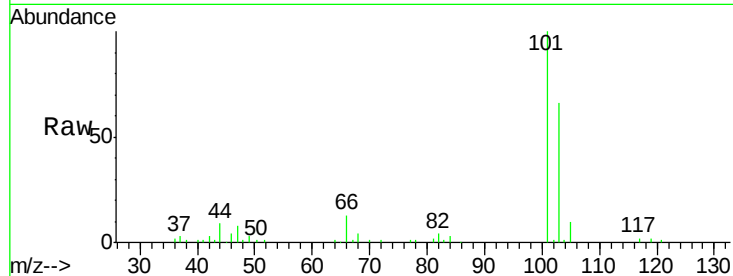
C08K3

Tgt Ion:101 Resp: 37043

Ion Ratio Lower Upper

101 100

103 65.9 51.9 77.9



#31

Carbon tetrachloride

Concen: 0.918 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026932.D

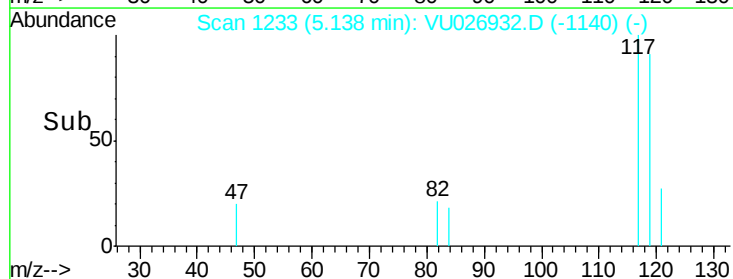
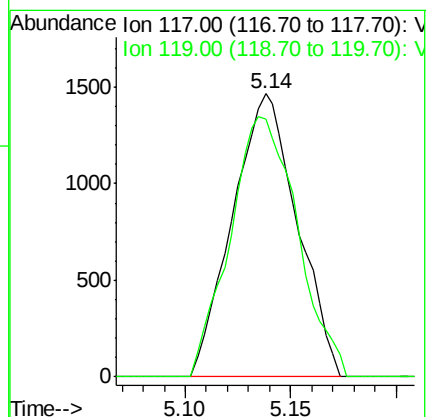
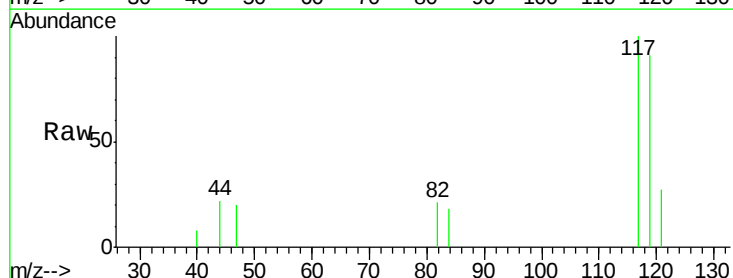
Acq: 20 Sep 2018 12:43

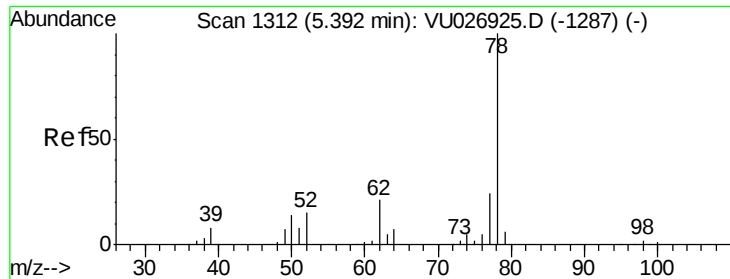
Tgt Ion:117 Resp: 3118

Ion Ratio Lower Upper

117 100

119 95.9 76.3 114.5





#33

Benzene

Concen: 29.025 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026932.D

Acq: 20 Sep 2018 12:43

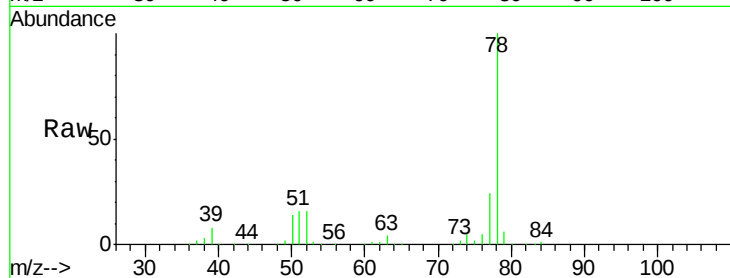
Instrument :

MSVOA_U

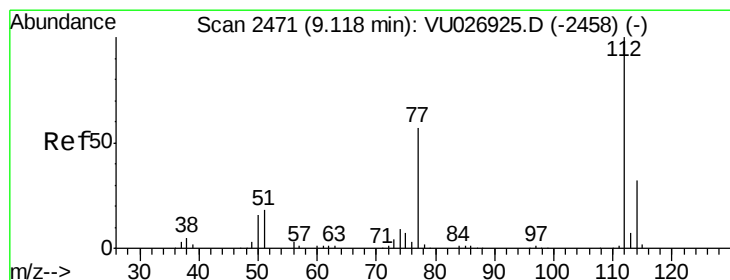
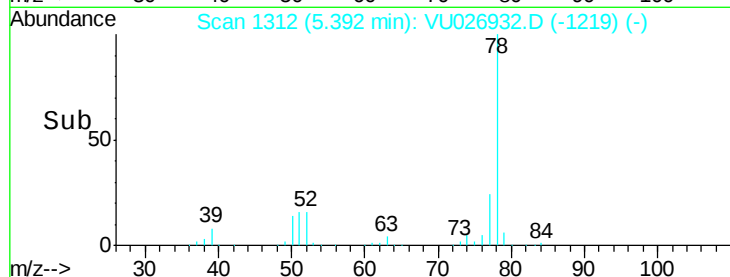
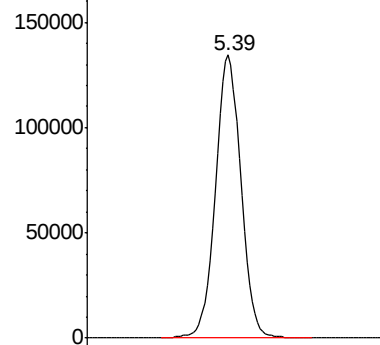
ClientSampleId :

C08K3

Tgt Ion: 78 Resp: 286762



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 107.230 ug/L

RT: 9.12 min Scan# 2471

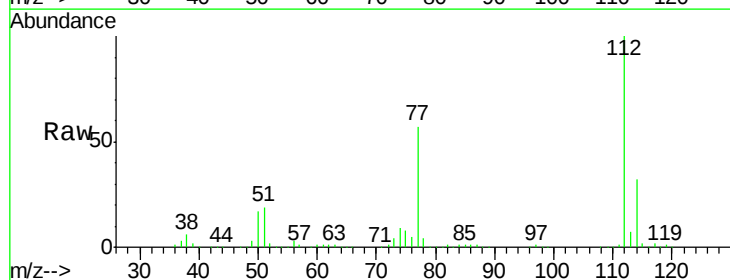
Delta R.T. 0.00 min

Lab File: VU026932.D

Acq: 20 Sep 2018 12:43

Tgt Ion: 112 Resp: 727463

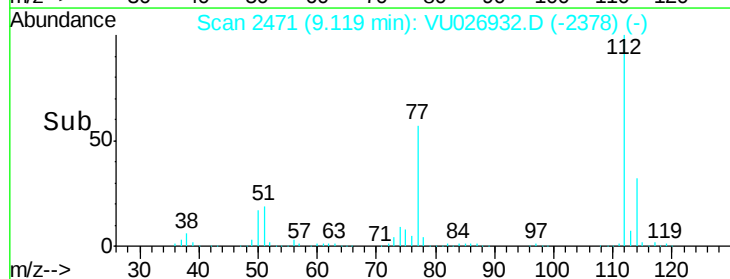
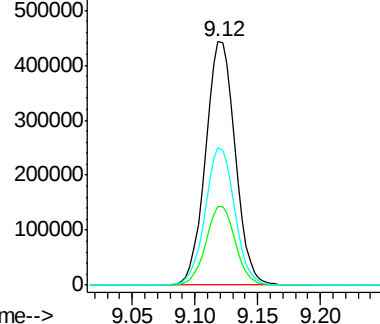
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	56.5	45.1	67.7

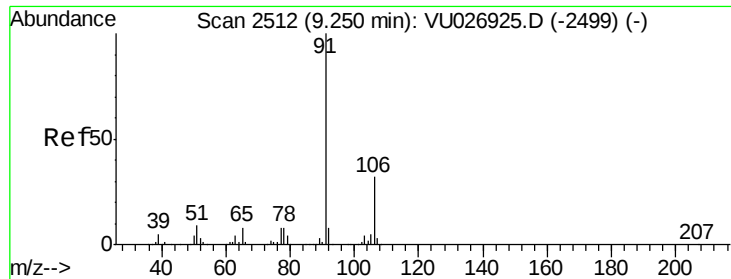


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 0.612 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026932.D

Acq: 20 Sep 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

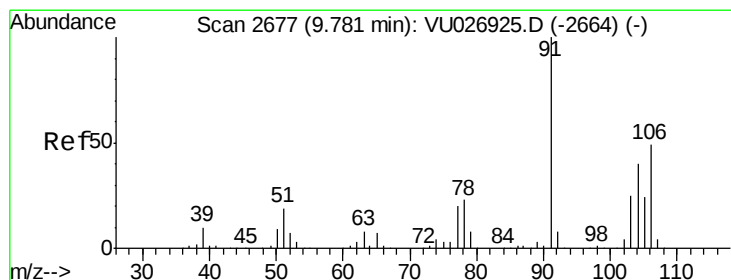
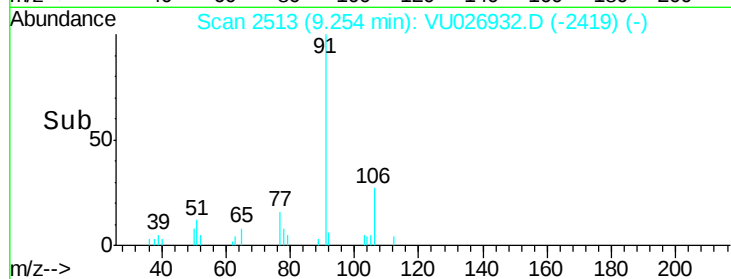
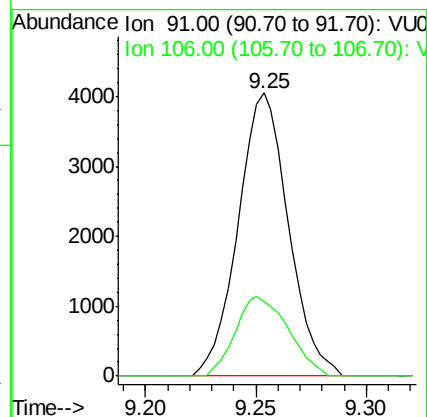
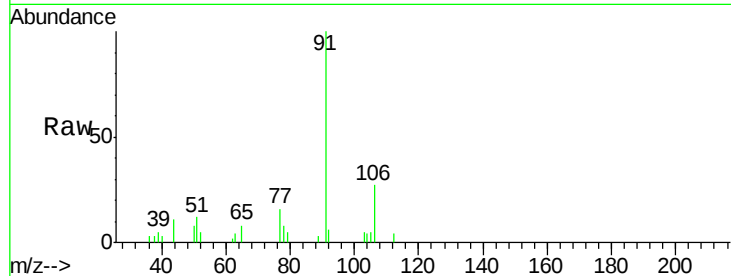
C08K3

Tgt Ion: 91 Resp: 6412

Ion Ratio Lower Upper

91 100

106 26.6 22.0 40.8



#54

o-xylene

Concen: 1.720 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026932.D

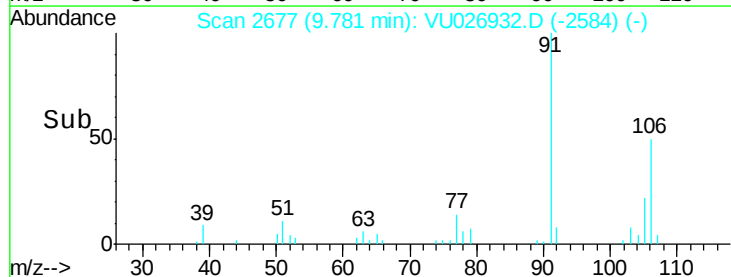
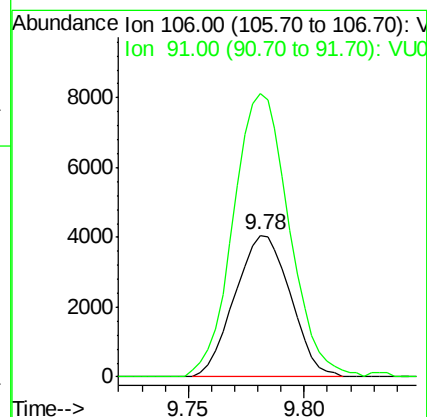
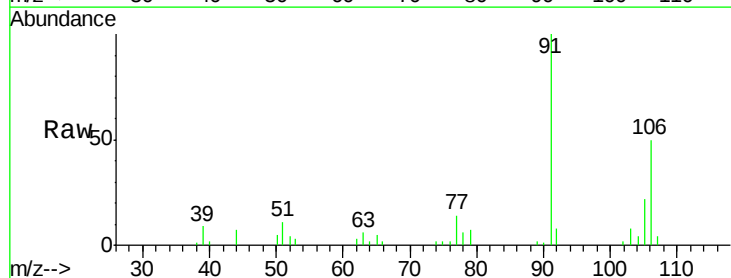
Acq: 20 Sep 2018 12:43

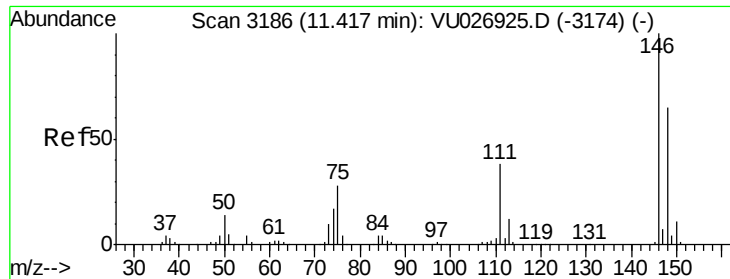
Tgt Ion: 106 Resp: 6746

Ion Ratio Lower Upper

106 100

91 199.8 143.1 265.9





#62

1,3-Dichlorobenzene

Concen: 107.156 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026932.D

Acq: 20 Sep 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

C08K3

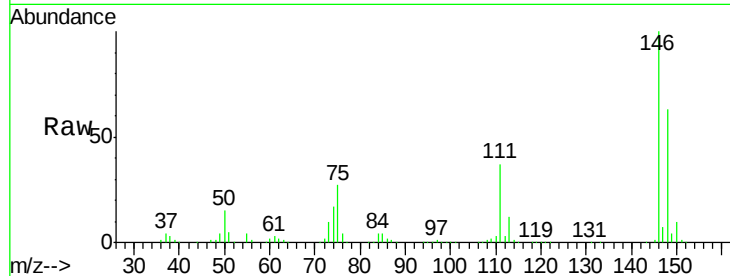
Tgt Ion:146 Resp: 605654

Ion Ratio Lower Upper

146 100

111 37.5 26.7 49.7

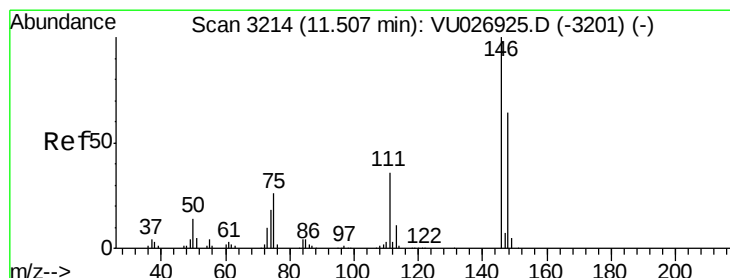
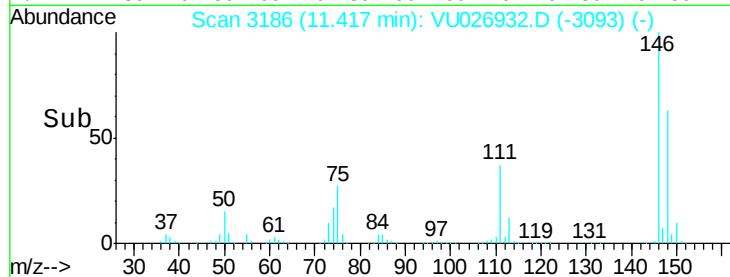
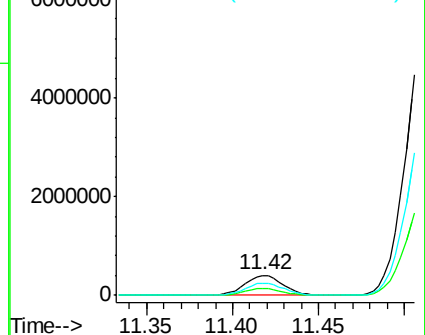
148 63.4 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1458.289 ug/L

RT: 11.51 min Scan# 3216

Delta R.T. 0.01 min

Lab File: VU026932.D

Acq: 20 Sep 2018 12:43

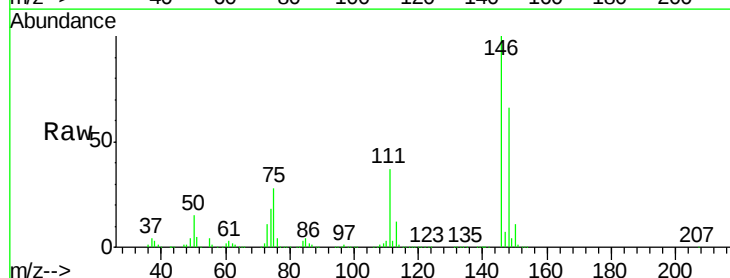
Tgt Ion:146 Resp: 9075912

Ion Ratio Lower Upper

146 100

111 37.1 26.0 48.2

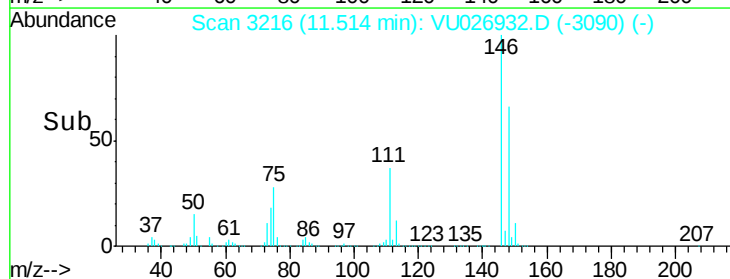
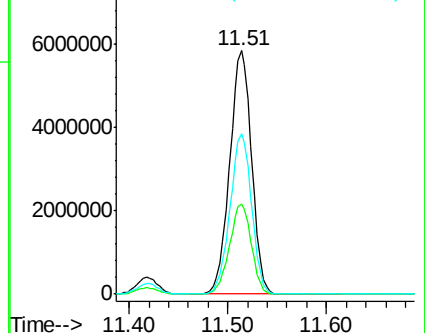
148 65.8 45.8 85.2

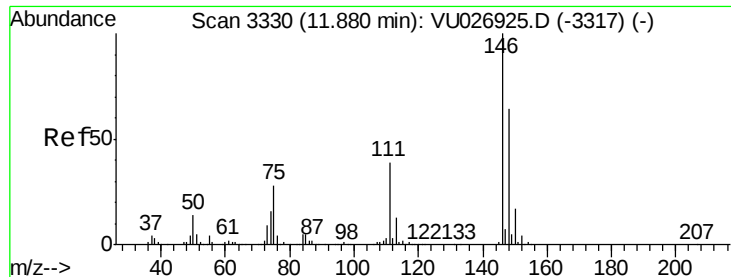


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

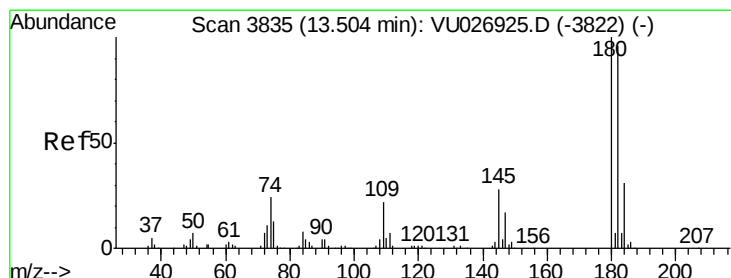
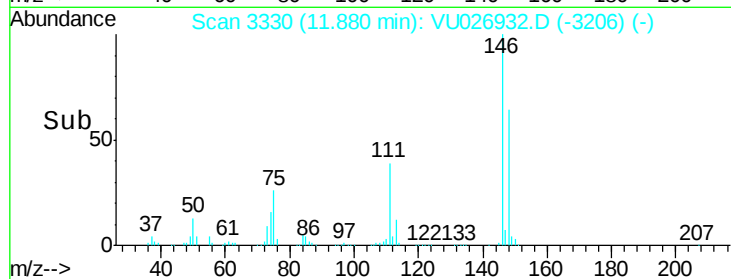
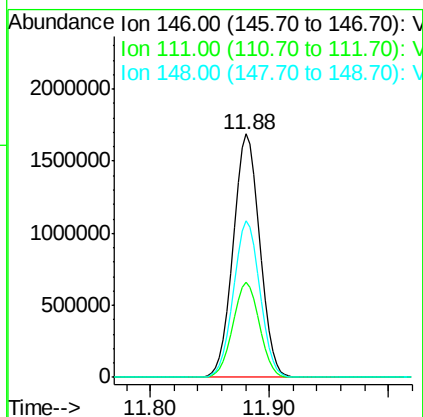
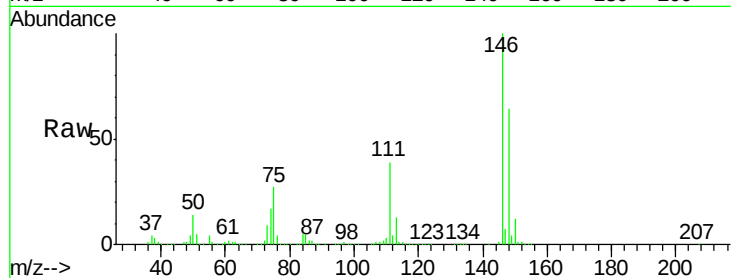




#65
 1,2-Dichlorobenzene
 Concen: 416.866 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026932.D
 Acq: 20 Sep 2018 12:43

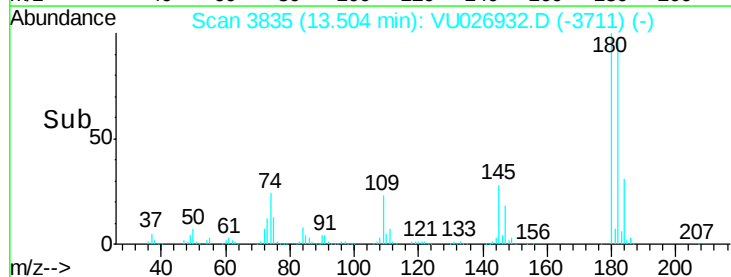
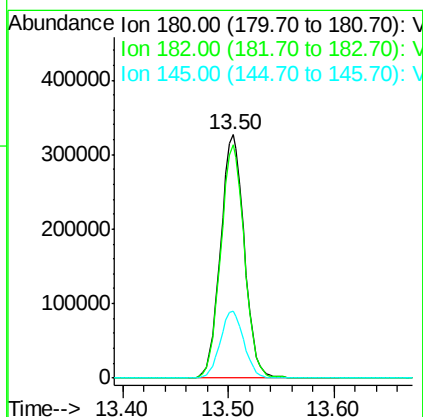
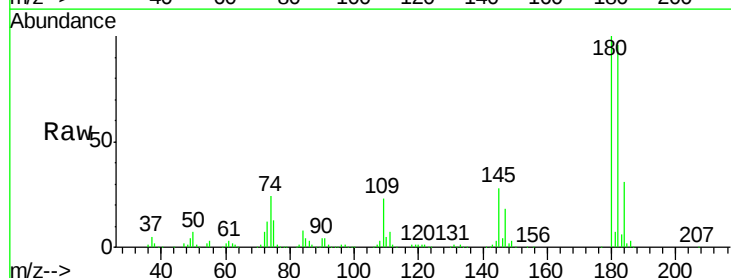
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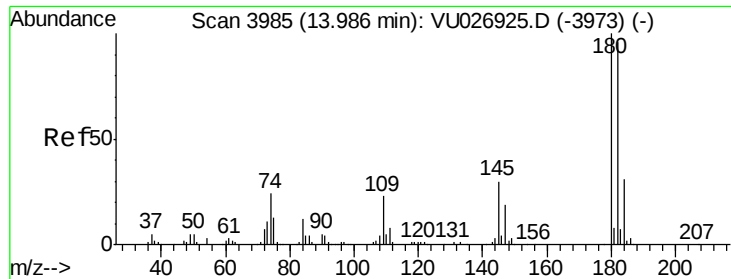
Tgt Ion:146 Resp: 2608890
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.4 47.0
 148 64.2 51.4 77.2



#68
 1,2,4-trichlorobenzene
 Concen: 134.198 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026932.D
 Acq: 20 Sep 2018 12:43

Tgt Ion:180 Resp: 505796
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 27.5 22.2 33.2

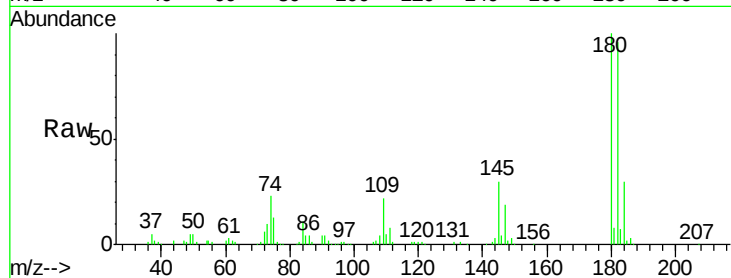




#70
 1,2,3-Trichlorobenzene
 Concen: 24.533 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU026932.D
 Acq: 20 Sep 2018 12:43

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.6	113.4
145	29.7	23.8	35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

