

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
 Data File : VU025472.D
 Acq On : 17 Jul 2018 21:43
 Operator : MD/SY
 Sample : J4024-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB1P1

Quant Time: Jul 18 06:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 18 06:47:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	343702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	313222	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73504	45.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.70%
7) Chloroethane-d5	1.68	69	66035	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.64%
11) 1,1-Dichloroethene-d2	2.27	63	125727	35.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.66%
21) 2-Butanone-d5	4.18	46	152703	88.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.54%
24) Chloroform-d	4.66	84	355784	84.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	169.24%#
26) 1,2-Dichloroethane-d4	5.31	65	135061	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
32) Benzene-d6	5.35	84	372206	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
36) 1,2-Dichloropropane-d6	6.34	67	121863	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.57	98	349465	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	58341	44.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.42%
47) 2-Hexanone-d5	8.31	63	110023	84.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.66%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	178881	48.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	146372	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	34065	16.962	ug/L	99
16) Methylene chloride	2.71	84	64621	26.525	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	33299	15.112	ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	37443	13.879	ug/L	97
25) Chloroform	4.68	83	3998811	863.339	ug/L	97
31) Carbon tetrachloride	5.14	117	139315	38.045	ug/L	100
34) Trichloroethene	6.19	95	40930	16.686	ug/L	98
37) 1,2-Dichloropropane	6.33	63	14499	5.672	ug/L #	88
42) Toluene	7.64	91	16112	1.631	ug/L	96
46) Tetrachloroethene	8.23	164	5912	2.889	ug/L	95
49) Dibromochloromethane	8.23	129	5156	1.757	ug/L #	12
52) Ethylbenzene	9.25	91	29626	2.686	ug/L	95
53) m,p-Xylene	9.37	106	221350	52.361	ug/L	94
54) o-xylene	9.78	106	50229	11.778	ug/L	91
58) 1,1,2,2-Tetrachloroethane	10.46	83	562394	134.781	ug/L	99

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QLast Update : Wed Jul 18 06:47:36 2018
Response via : Initial Calibration

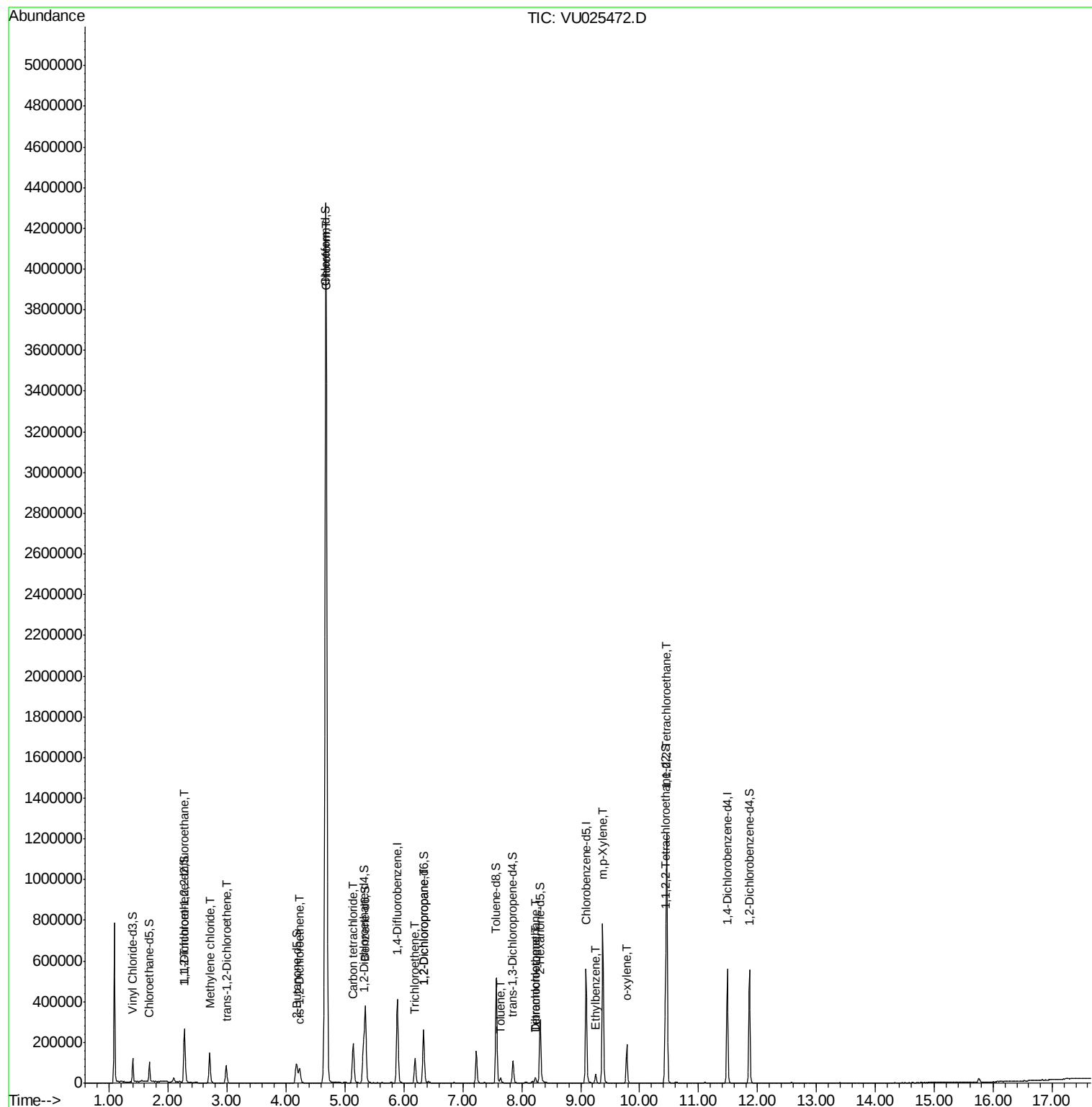
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

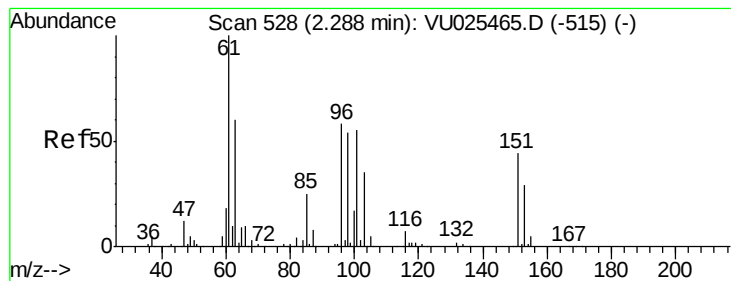
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 16.962 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

DB1P1

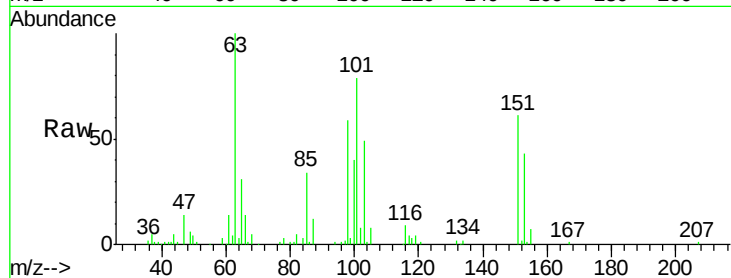
Tgt Ion:101 Resp: 34065

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.2

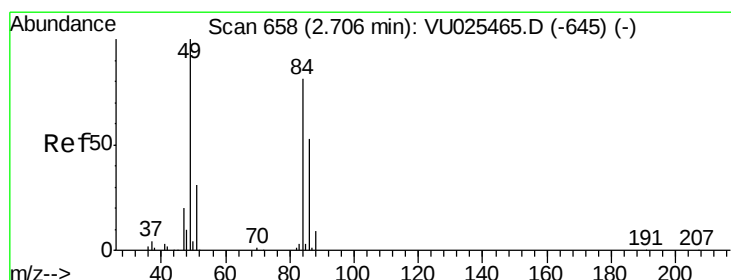
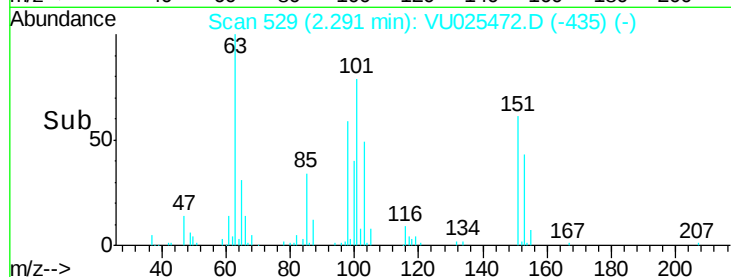
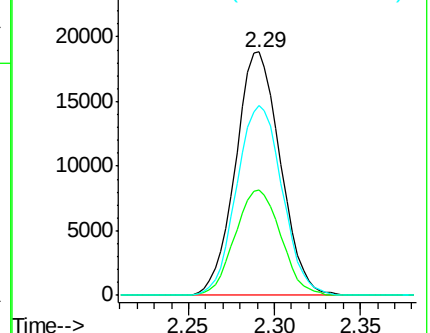
151 79.5 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 26.525 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

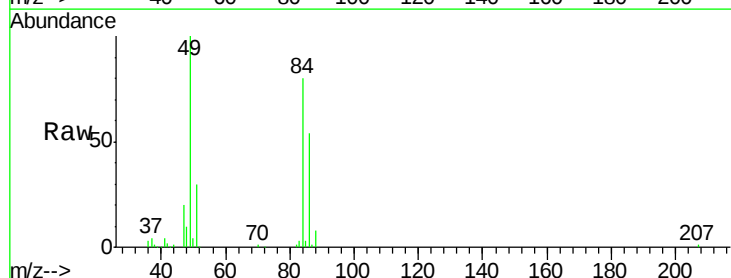
Tgt Ion: 84 Resp: 64621

Ion Ratio Lower Upper

84 100

86 67.8 46.3 85.9

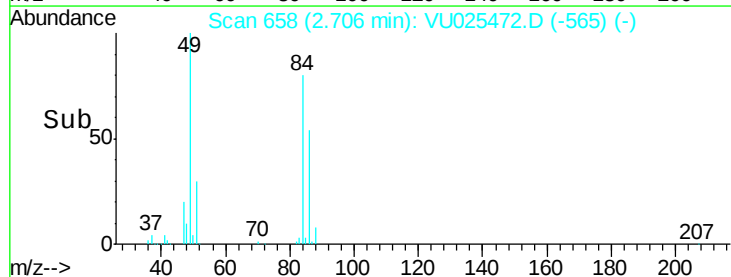
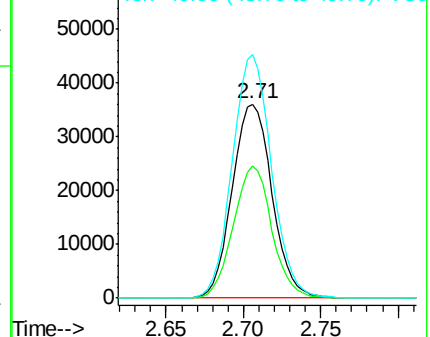
49 125.4 87.9 163.3

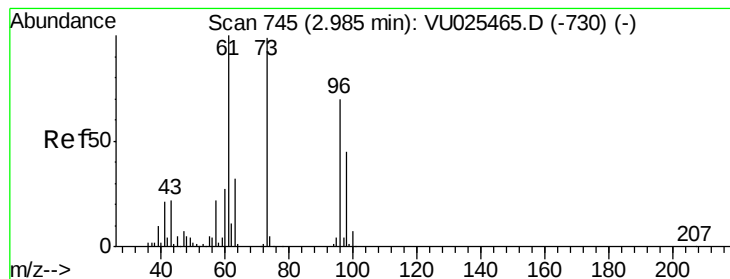


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 15.112 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

DB1P1

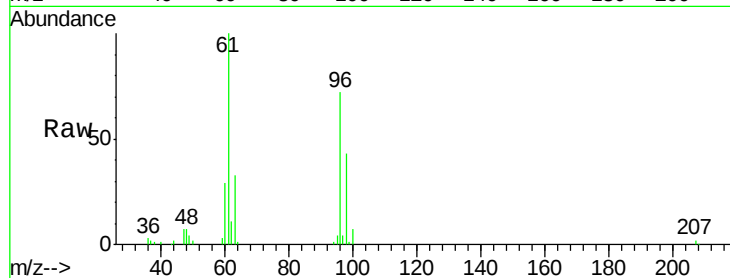
Tgt Ion: 96 Resp: 33299

Ion Ratio Lower Upper

96 100

61 139.1 103.6 192.4

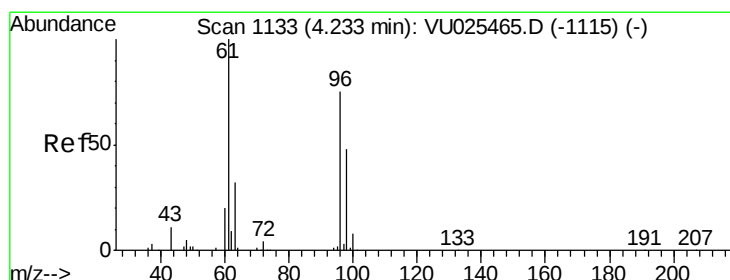
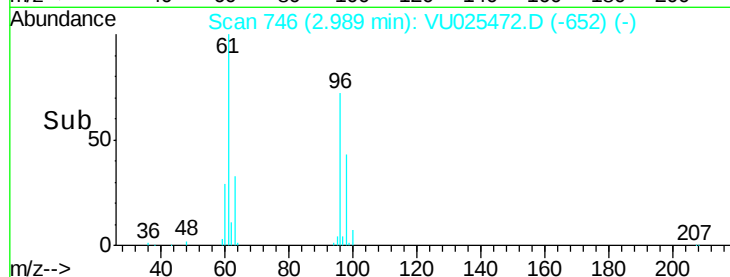
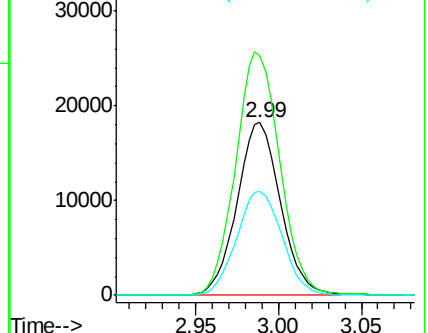
98 60.3 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 13.879 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

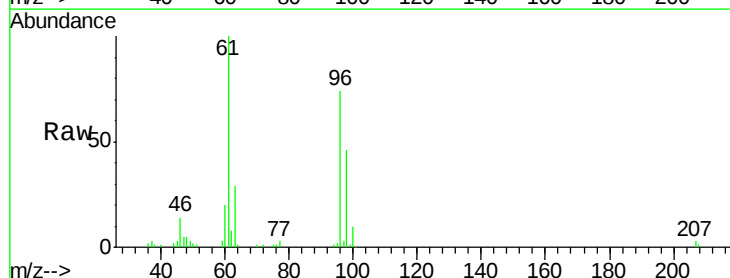
Tgt Ion: 96 Resp: 37443

Ion Ratio Lower Upper

96 100

61 134.4 91.7 170.3

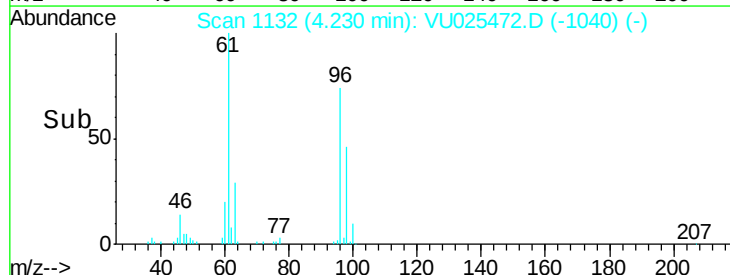
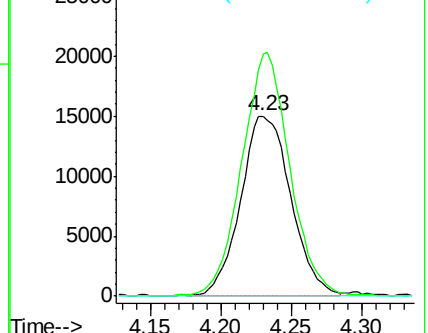
68 0.0 0.0 0.0

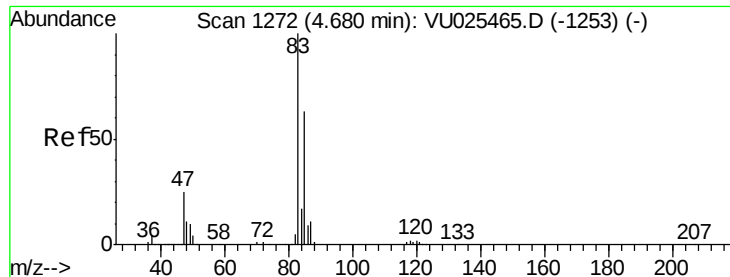


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#25

Chloroform

Concen: 863.339 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

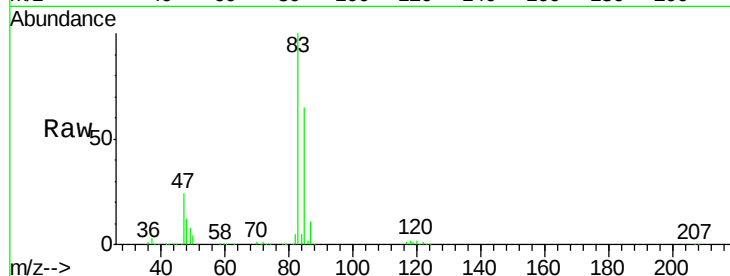
DB1P1

Tgt Ion: 83 Resp: 3998811

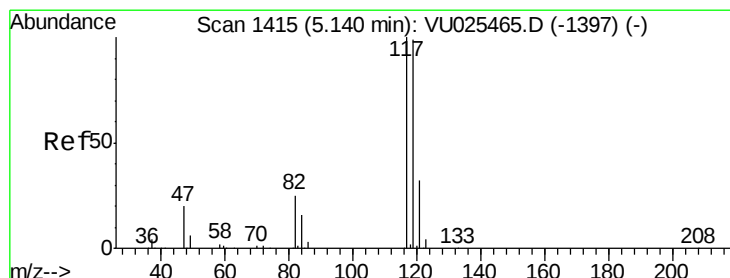
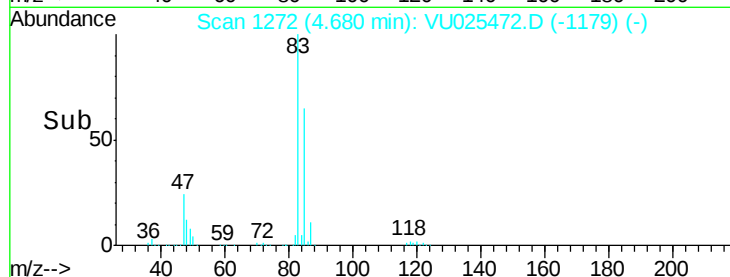
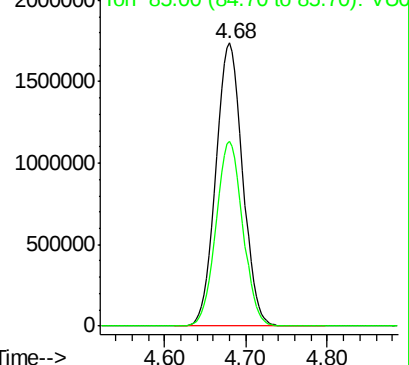
Ion Ratio Lower Upper

83 100

85 65.3 47.2 87.6



Abundance Ion 83.00 (82.70 to 83.70): VU025472.D (-1179) (-)



#31

Carbon tetrachloride

Concen: 38.045 ug/L

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025472.D

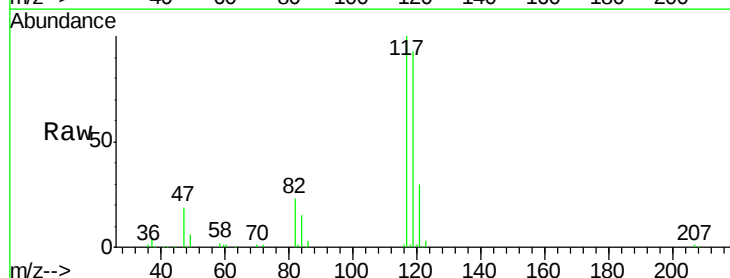
Acq: 17 Jul 2018 21:43

Tgt Ion: 117 Resp: 139315

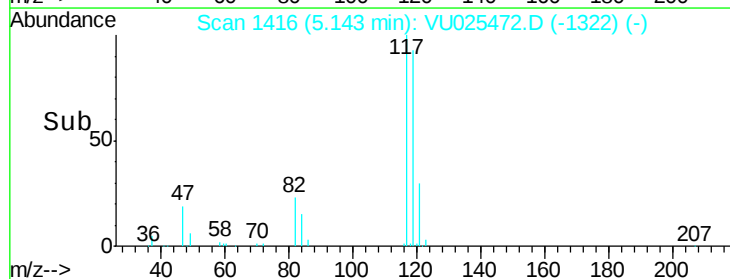
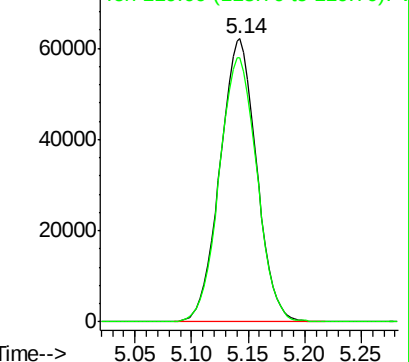
Ion Ratio Lower Upper

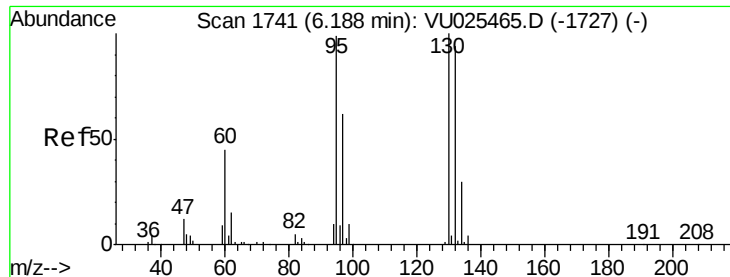
117 100

119 96.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): VU025472.D (-1322) (-)





#34

Trichloroethene

Concen: 16.686 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

DB1P1

Tgt Ion: 95 Resp: 40930

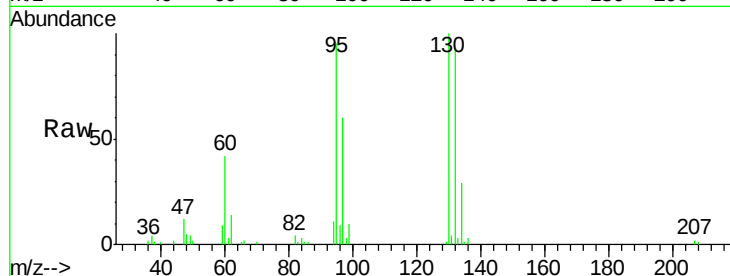
Ion Ratio Lower Upper

95 100

97 63.6 45.9 85.3

132 98.4 68.2 126.6

130 105.7 71.8 133.4

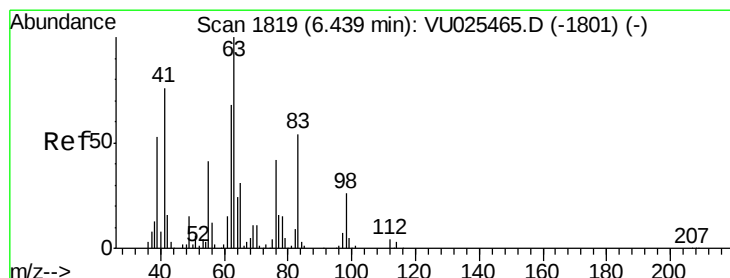
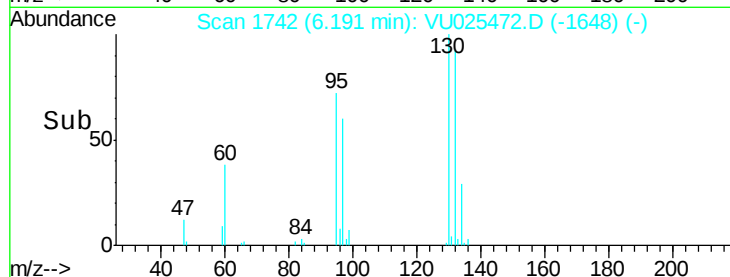
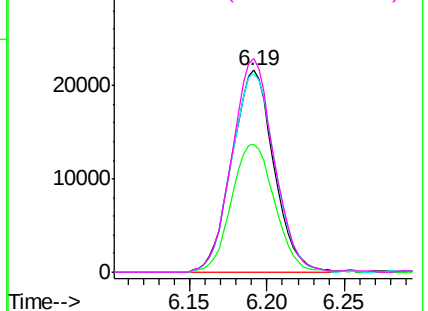


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.672 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.11 min

Lab File: VU025472.D

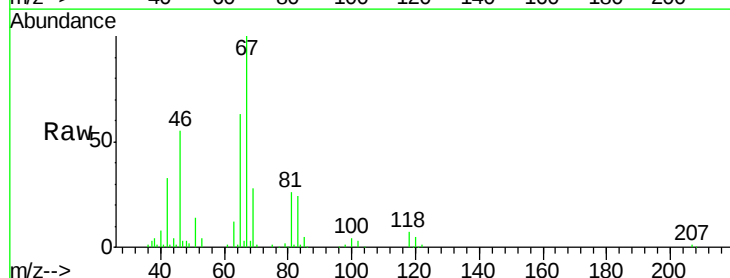
Acq: 17 Jul 2018 21:43

Tgt Ion: 63 Resp: 14499

Ion Ratio Lower Upper

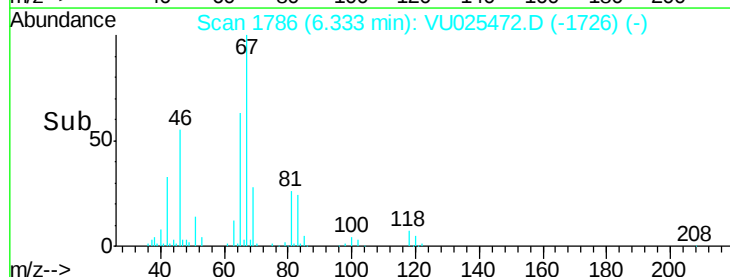
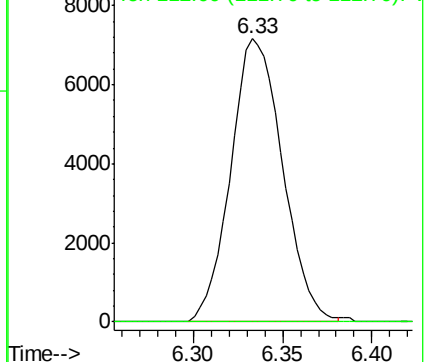
63 100

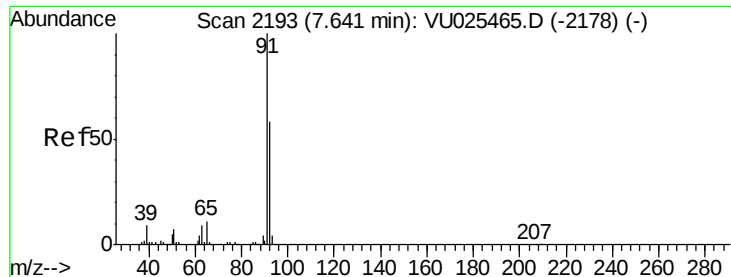
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 1.631 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

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MSVOA_U

ClientSampleId :

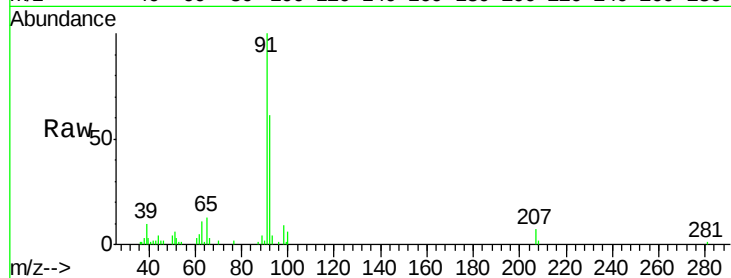
DB1P1

Tgt Ion: 91 Resp: 16112

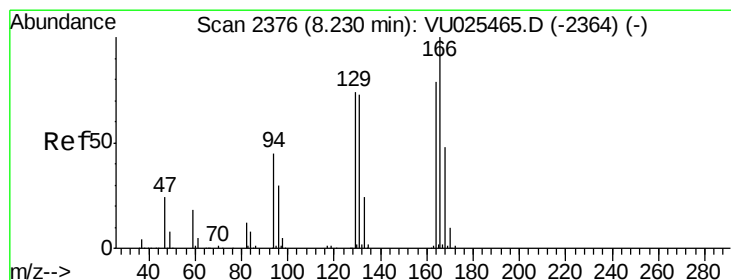
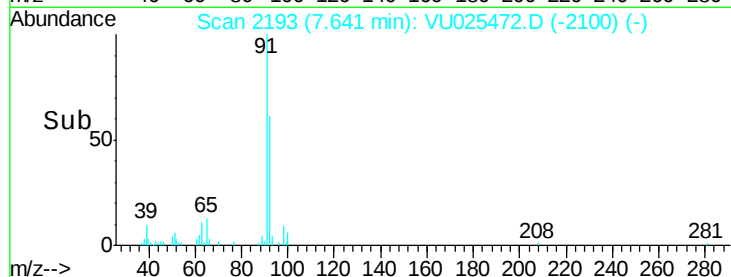
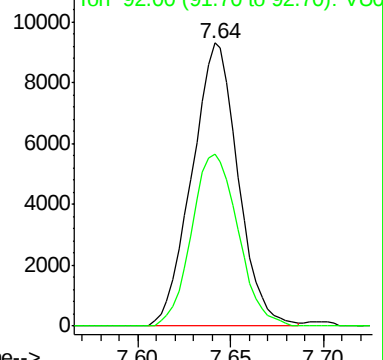
Ion Ratio Lower Upper

91 100

92 60.6 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU025472.D (-2100) (-)



#46

Tetrachloroethene

Concen: 2.889 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

Tgt Ion: 164 Resp: 5912

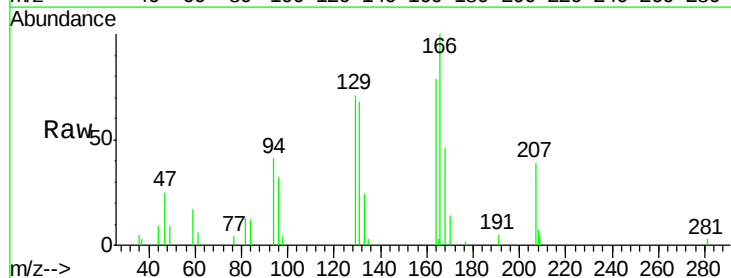
Ion Ratio Lower Upper

164 100

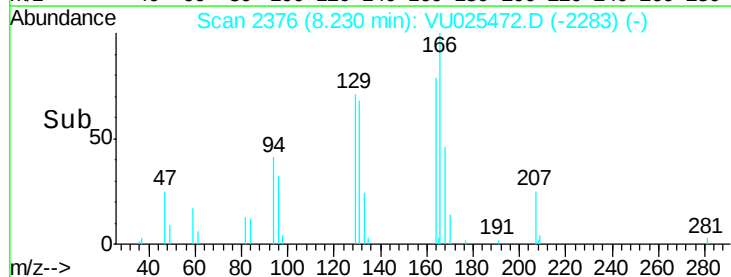
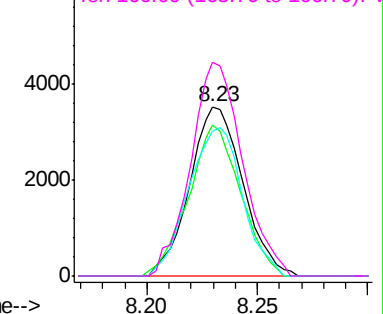
129 89.1 66.5 123.5

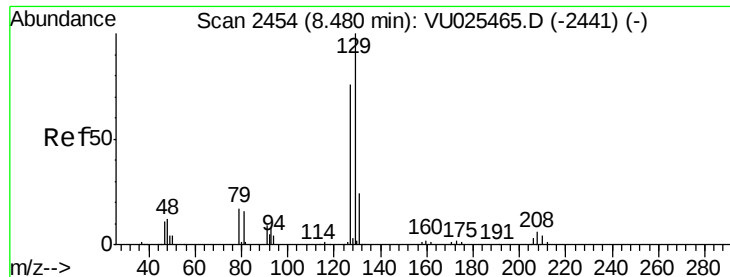
131 85.8 63.7 118.3

166 126.3 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): VU025472.D (-2283) (-)

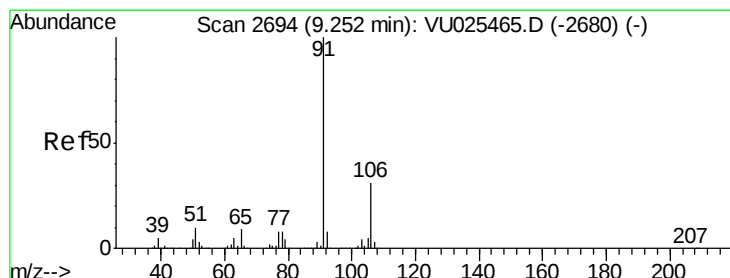
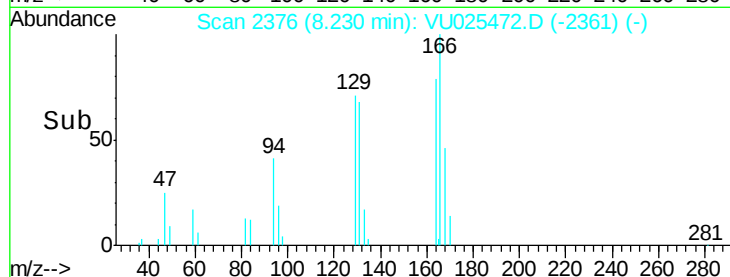
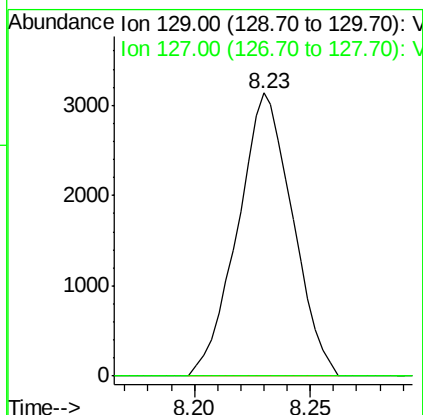
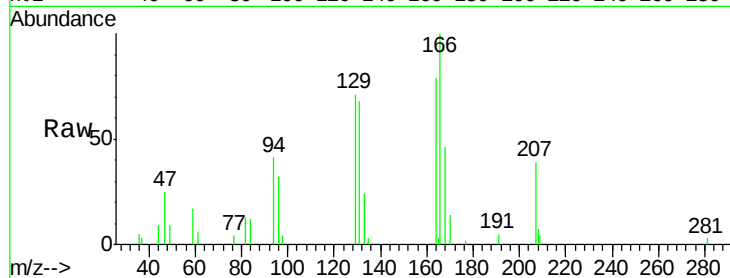




#49
Dibromochloromethane
Concen: 1.757 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU025472.D
Acq: 17 Jul 2018 21:43

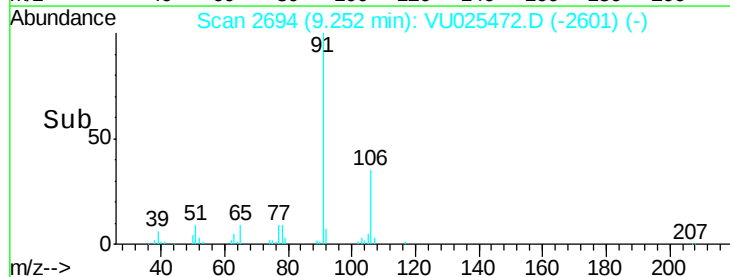
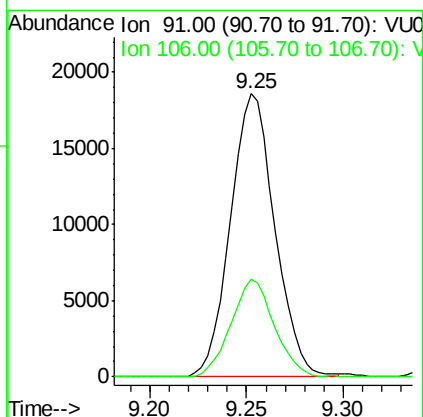
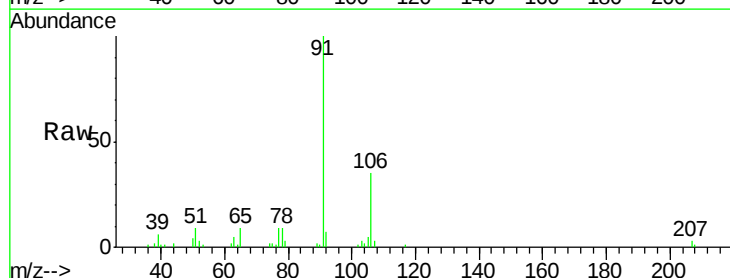
Instrument :
MSVOA_U
ClientSampleId :
DB1P1

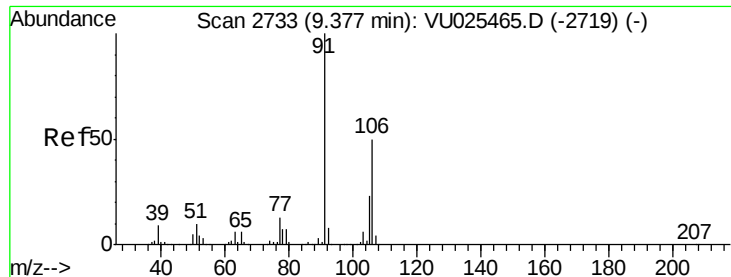
Tgt Ion: 129 Resp: 5156
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.2#



#52
Ethylbenzene
Concen: 2.686 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025472.D
Acq: 17 Jul 2018 21:43

Tgt Ion: 91 Resp: 29626
Ion Ratio Lower Upper
91 100
106 34.5 22.4 41.6





#53

m,p-Xylene

Concen: 52.361 ug/L

RT: 9.37 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU025472.D

Acq: 17 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

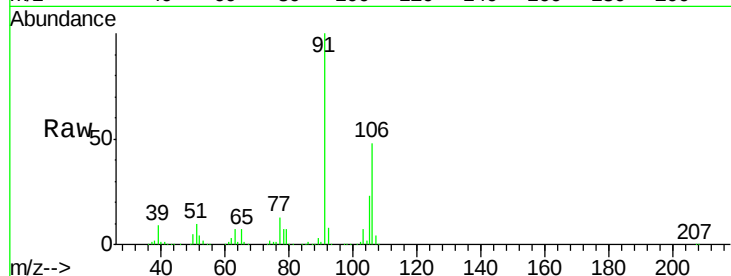
DB1P1

Tgt Ion:106 Resp: 221350

Ion Ratio Lower Upper

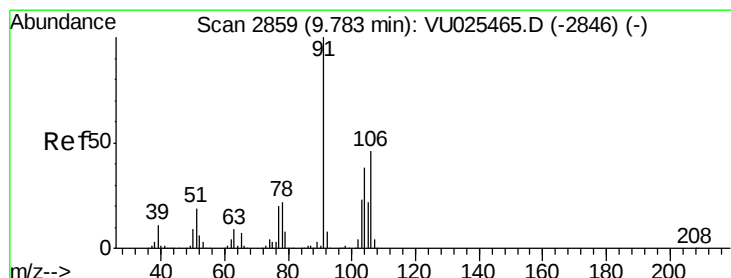
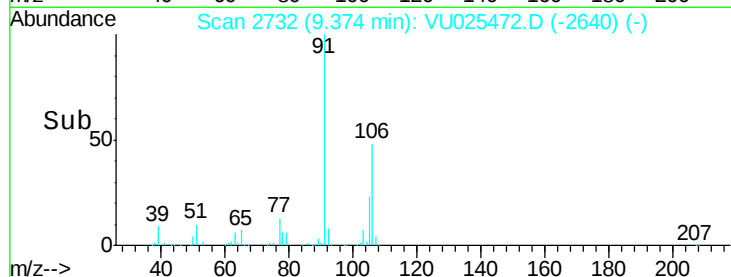
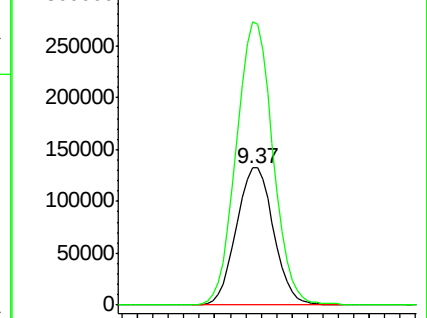
106 100

91 206.4 138.6 257.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 11.778 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025472.D

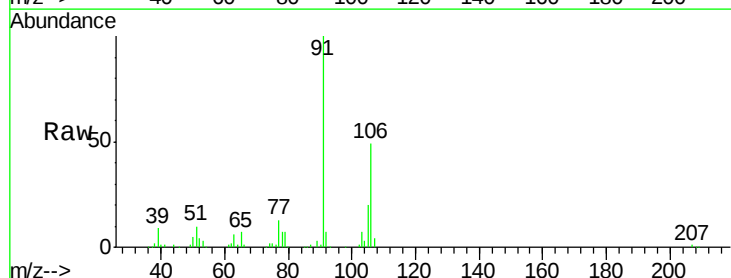
Acq: 17 Jul 2018 21:43

Tgt Ion:106 Resp: 50229

Ion Ratio Lower Upper

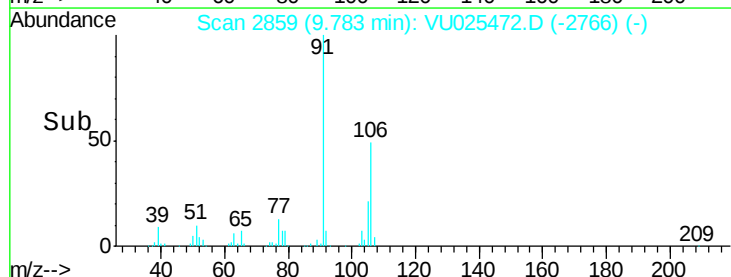
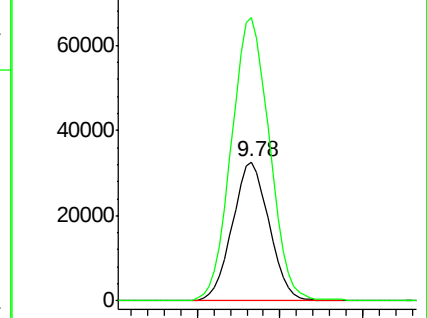
106 100

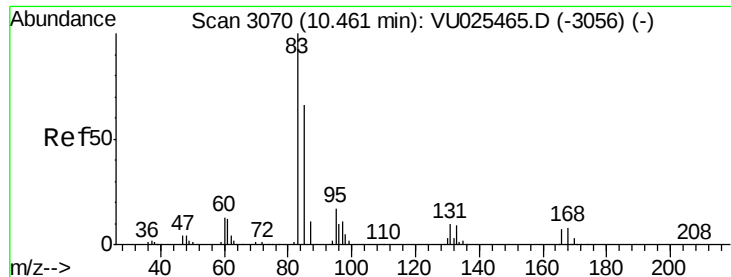
91 203.6 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#58
 1,1,2,2-Tetrachloroethane
 Concen: 134.781 ug/L
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU025472.D
 Acq: 17 Jul 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 DB1P1

Tgt Ion: 83 Resp: 562394
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.9 83.5
 131 11.0 8.9 13.3

