

Data File : VU026433.D
Acq On : 29 Aug 2018 19:47
Operator : MD/SY
Sample : J4691-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE02

Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:41:14 AM

Quant Time: Sep 11 08:41:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 30 02:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155970	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	182896	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.49	152	96600	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	42622	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.22%
7) Chloroethane-d5	1.68	69	39448	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.27	63	69305	31.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.70%
21) 2-Butanone-d5	4.18	46	69988	93.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.31%
24) Chloroform-d	4.65	84	81153	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.92%
26) 1,2-Dichloroethane-d4	5.31	65	54805	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
32) Benzene-d6	5.34	84	166185	39.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.84%
36) 1,2-Dichloropropane-d6	6.34	67	56491	39.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.02%
41) Toluene-d8	7.58	98	168946	41.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.04%
43) trans-1,3-Dichloropropene-	7.85	79	26612	40.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.48%
47) 2-Hexanone-d5	0.00	63	0d	0.00	ug/L	
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.00%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	92327	43.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	80882	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	6164	3.786	ug/L #	71
13) Acetone	2.32	43	5782	8.903	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	6945	6.897	ug/L	92
20) cis-1,2-Dichloroethene	4.23	96	378594	335.608	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	2438	1.211	ug/L	96
34) Trichloroethene	6.20	95	6391328	4859.560	ug/L	99
46) Tetrachloroethene	8.25	164	90399792m	84070.402	ug/L	
51) Chlorobenzene	9.13	112	4990	1.364	ug/L	94
52) Ethylbenzene	9.26	91	7945	1.335	ug/L	98
53) m,p-Xylene	9.38	106	11860	5.338	ug/L	90
54) o-xylene	9.79	106	7305	3.371	ug/L	95
56) Isopropylbenzene	10.17	105	7738	1.364	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	19854	6.659	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	3582	1.798	ug/L	98

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

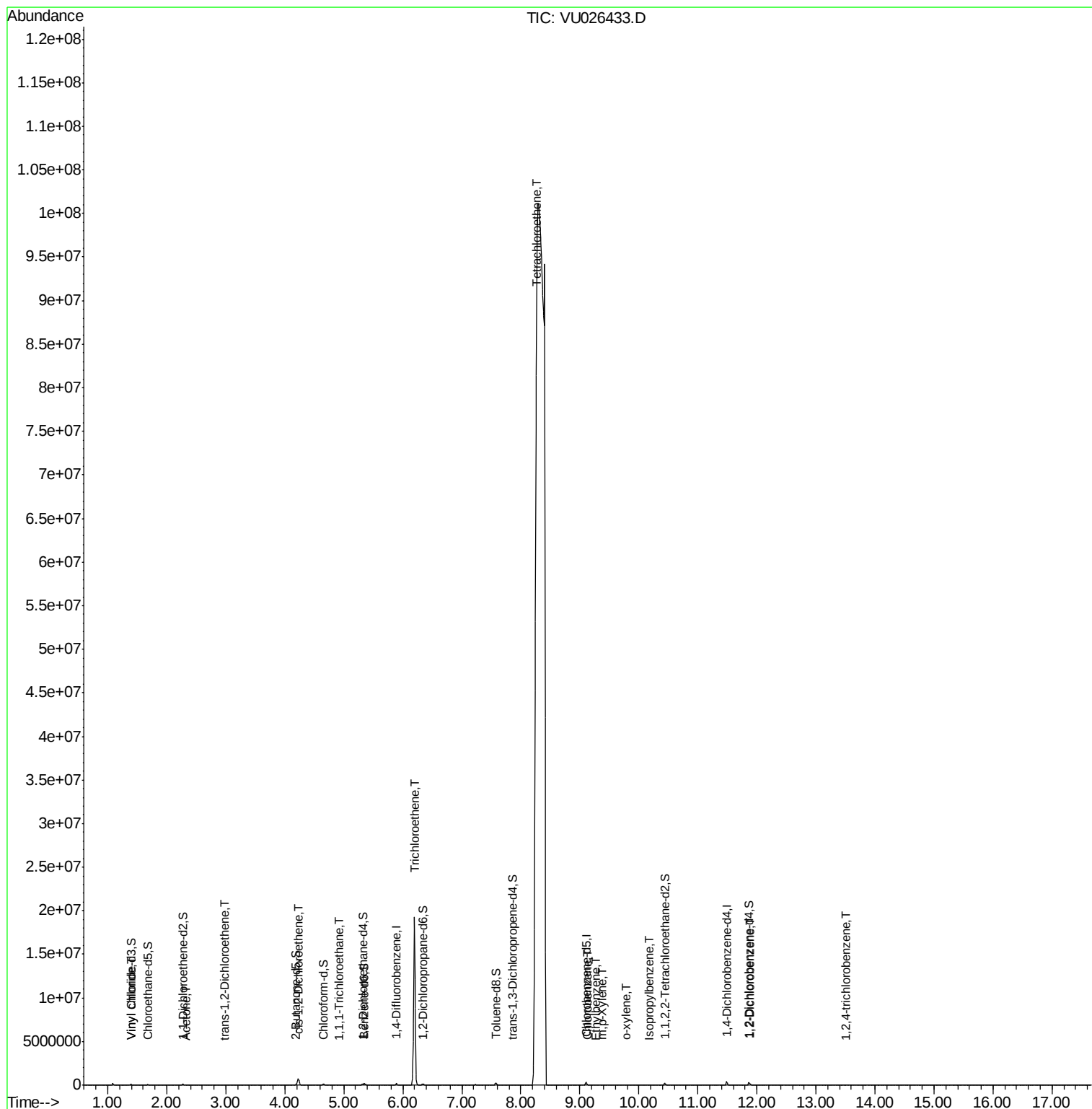
Data File : VU026433.D
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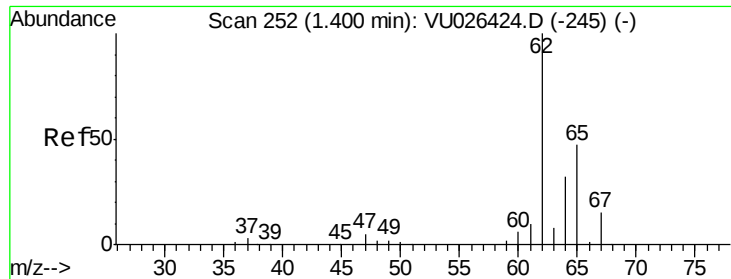
Instrument :
MSVOA_U
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#5

Vinyl chloride

Concen: 3.786 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Instrument :

MSVOA_U

ClientSampled :

BEE02

Tgt Ion: 62 Resp: 6164

Ion Ratio Lower Upper

62 100

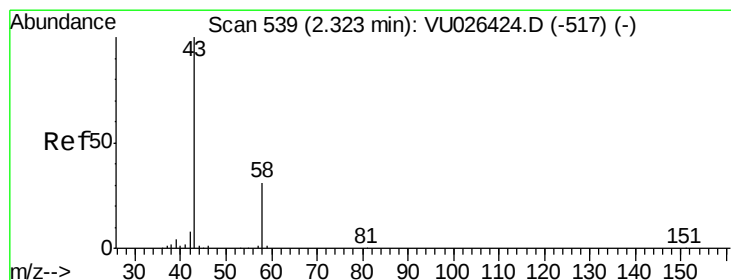
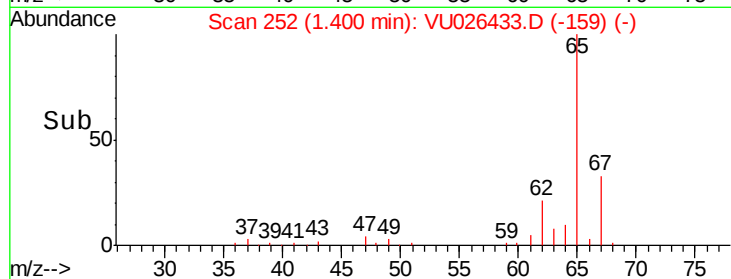
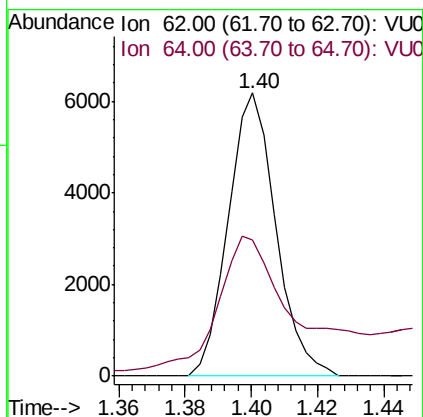
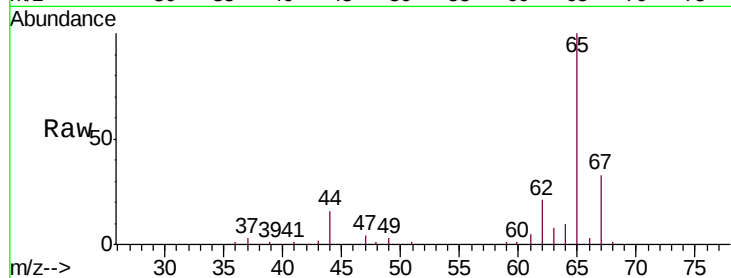
64 48.2 22.4 41.6#

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#13

Acetone

Concen: 8.903 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026433.D

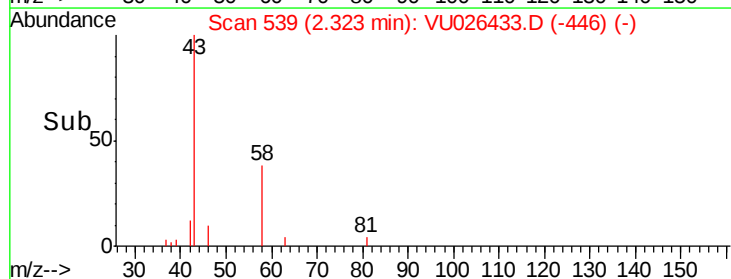
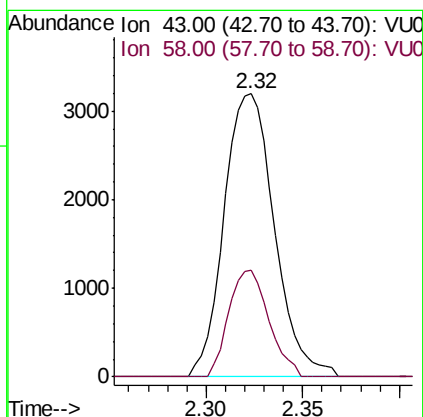
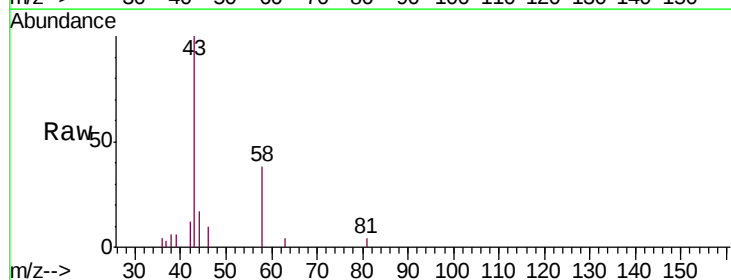
Acq: 29 Aug 2018 19:47

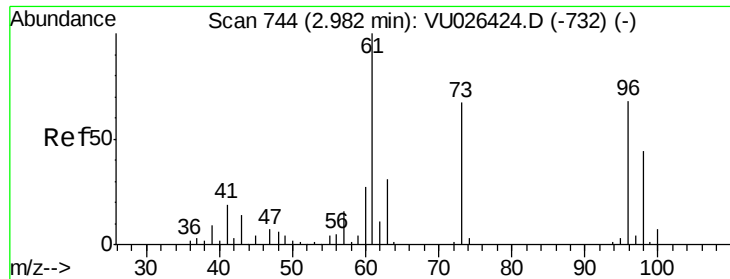
Tgt Ion: 43 Resp: 5782

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.2





#17

trans-1,2-Dichloroethene

Concen: 6.897 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Instrument :

MSVOA_U

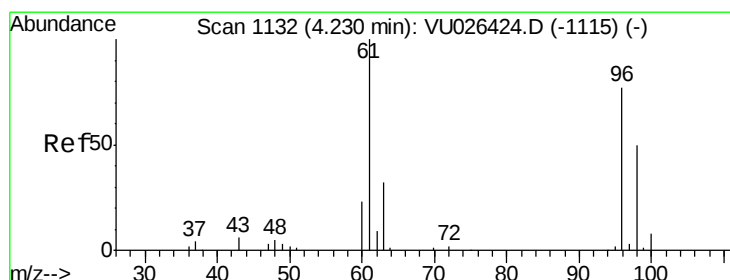
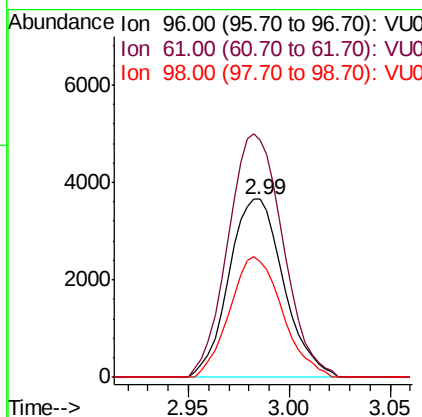
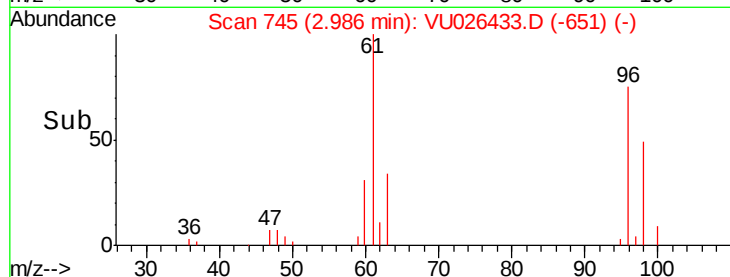
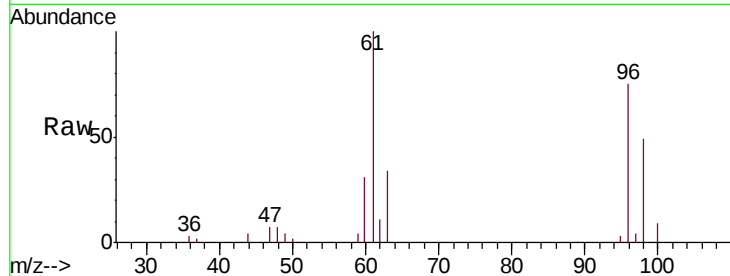
ClientSampleId :

BEE02

Tgt Ion:	96	Resp:	6945
Ion	Ratio	Lower	Upper
96	100		
61	133.5	103.2	191.6
98	65.3	44.9	83.3

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#20

cis-1,2-Dichloroethene

Concen: 335.608 ug/L

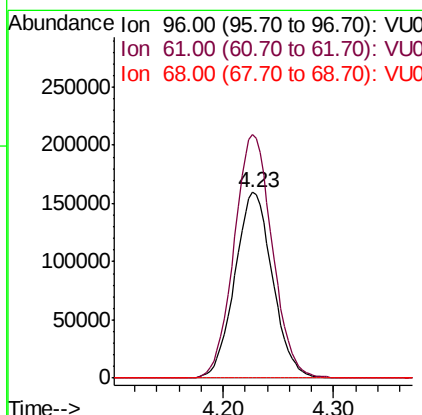
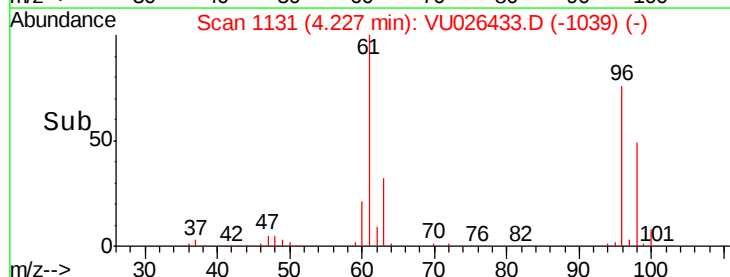
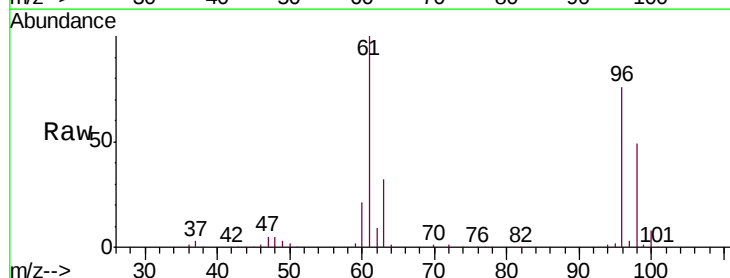
RT: 4.23 min Scan# 1131

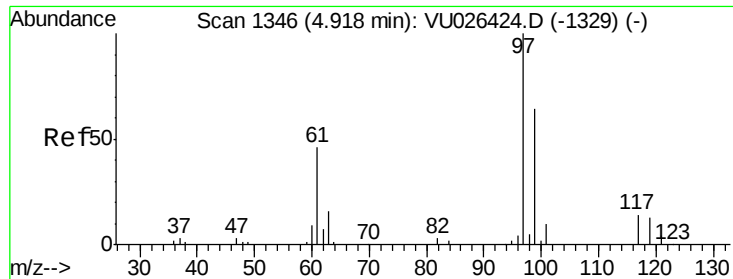
Delta R.T. -0.00 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Tgt Ion:	96	Resp:	378594
Ion	Ratio	Lower	Upper
96	100		
61	130.9	91.6	170.2
68	0.0	0.0	0.0





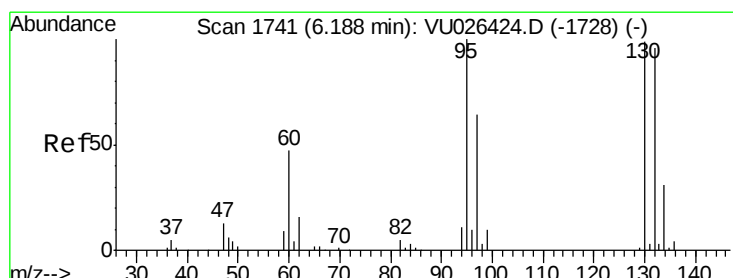
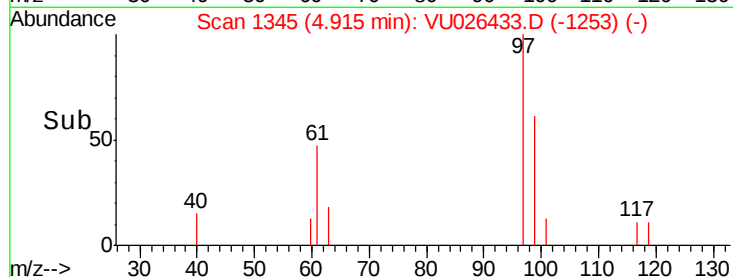
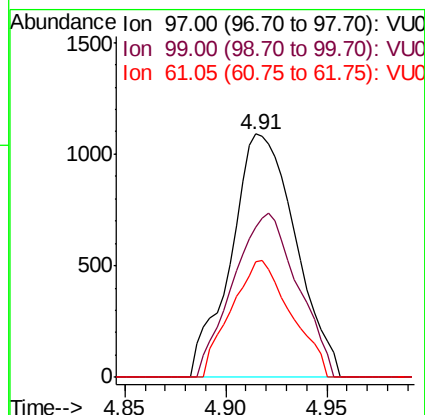
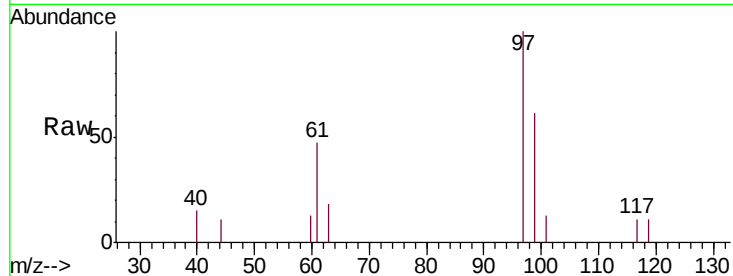
#30
 1,1,1-Trichloroethane
 Concen: 1.211 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU026433.D
 Acq: 29 Aug 2018 19:47

Instrument :
 MSVOA_U
 ClientSampled :
 BEE02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.6	77.4
61	44.4	37.9	56.9

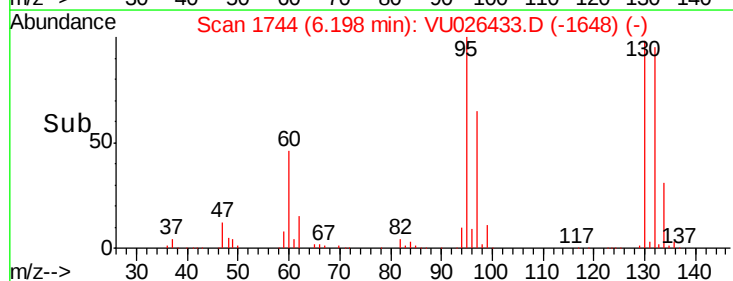
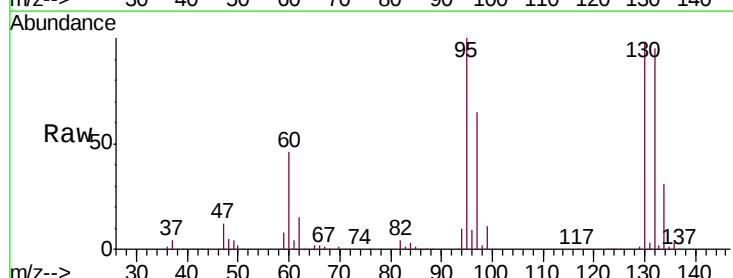
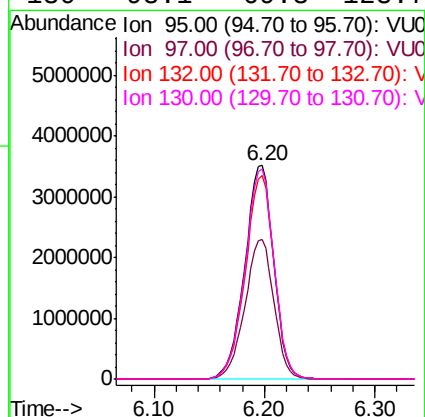
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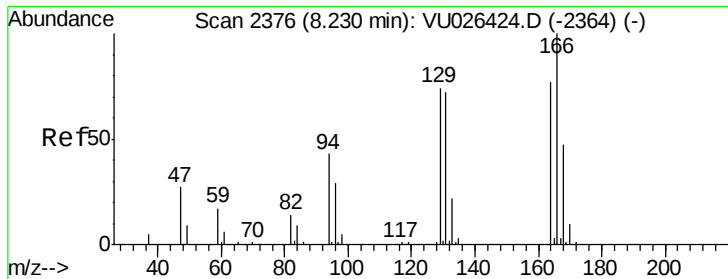
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 8/30/2018 11:41:14 AM



#34
 Trichloroethene
 Concen: 4859.560 ug/L
 RT: 6.20 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: VU026433.D
 Acq: 29 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.1	83.7
132	95.0	67.5	125.3
130	98.1	69.3	128.7





#46

Tetrachloroethene

Concen: 84070.402 ug/L m

RT: 8.25 min Scan# 2383

Delta R.T. 0.02 min

Lab File: VU026433.D

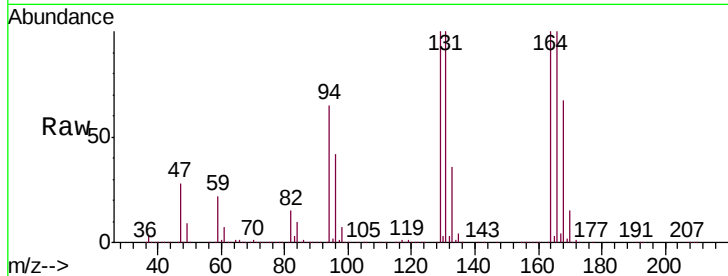
Acq: 29 Aug 2018 19:47

Instrument :

MSVOA_U

ClientSampleId :

BEE02



Tgt Ion:164 Resp:90399792

Ion Ratio Lower Upper

164 100

129 100.0 67.3 125.1

131 100.0 65.3 121.3

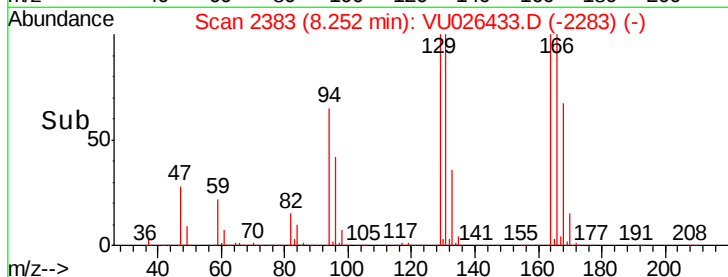
166 100.0 90.9 168.7

Manual Integrations

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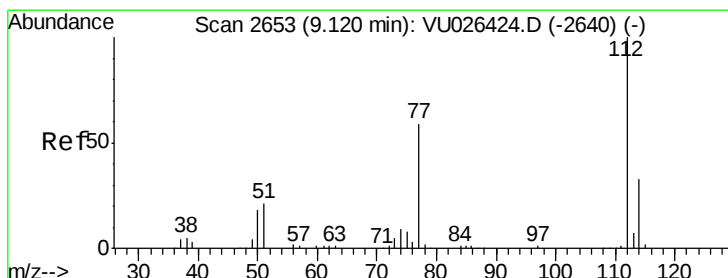
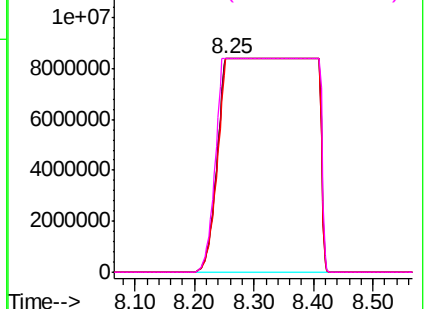
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 1.364 ug/L

RT: 9.13 min Scan# 2657

Delta R.T. 0.01 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

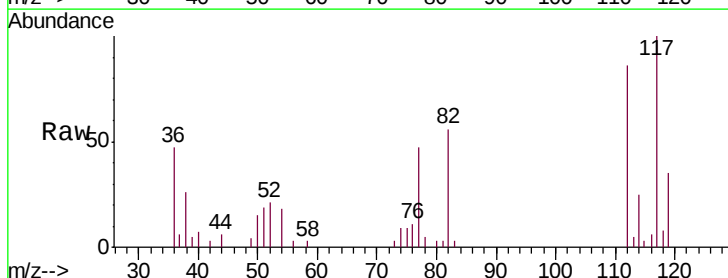
Tgt Ion:112 Resp: 4990

Ion Ratio Lower Upper

112 100

114 29.0 23.2 43.2

77 54.6 47.3 70.9

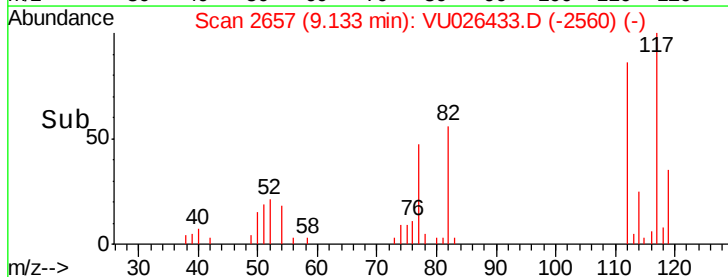
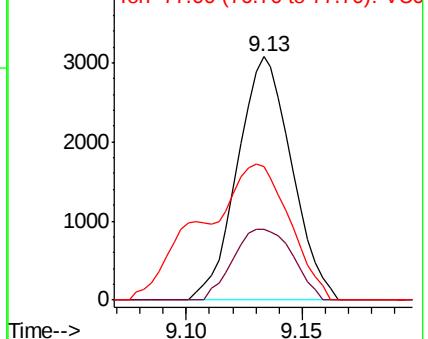


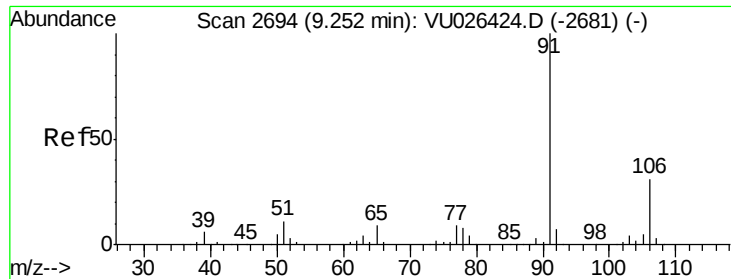
Abundance

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): VU





#52

Ethylbenzene

Concen: 1.335 ug/L

RT: 9.26 min Scan# 2697

Delta R.T. 0.01 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Instrument :

MSVOA_U

ClientSampled :

BEE02

Tgt Ion: 91 Resp: 7945

Ion Ratio Lower Upper

91 100

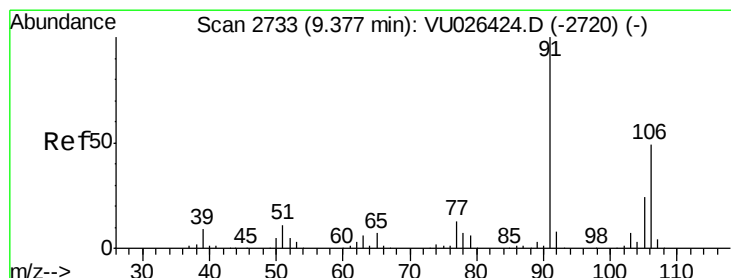
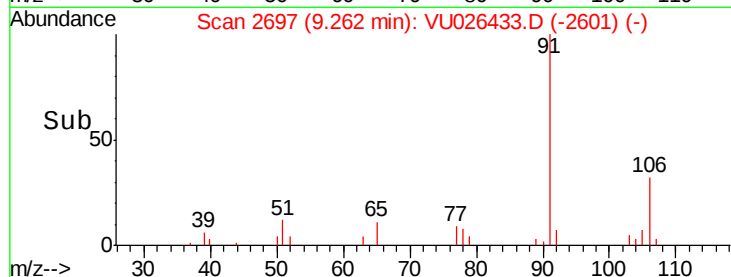
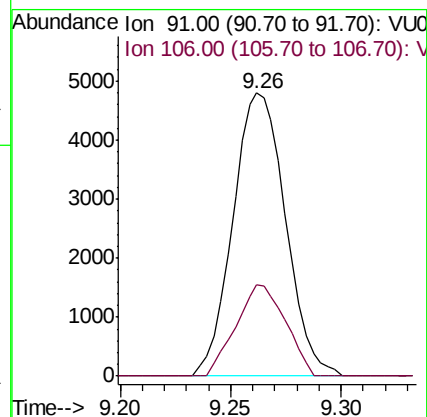
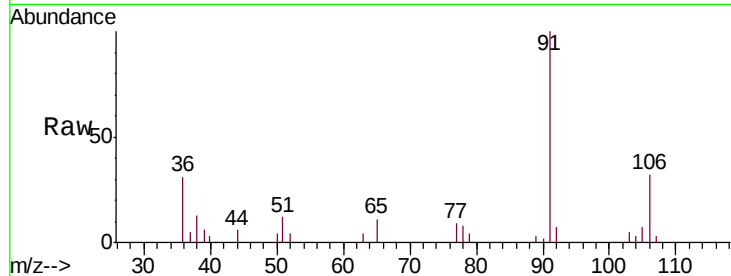
106 32.1 21.6 40.2

Manual Integrations

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#53

m,p-Xylene

Concen: 5.338 ug/L

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU026433.D

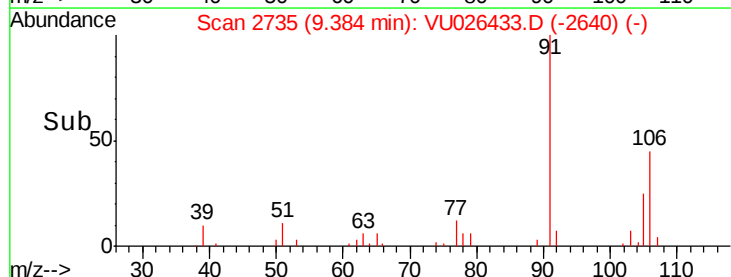
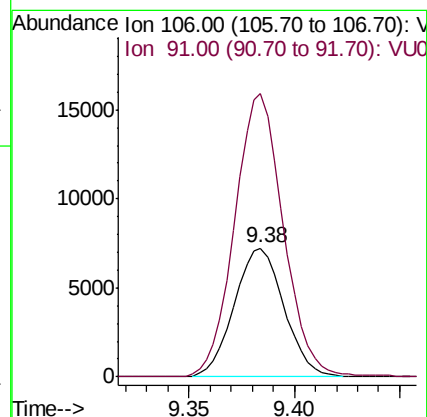
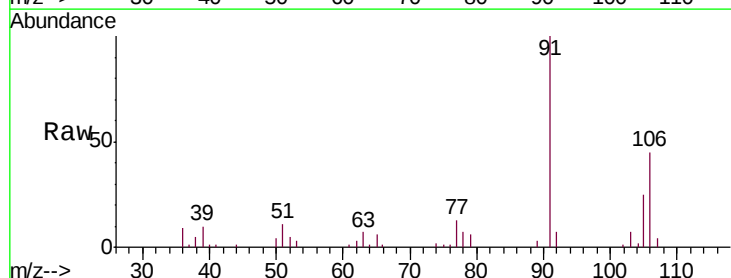
Acq: 29 Aug 2018 19:47

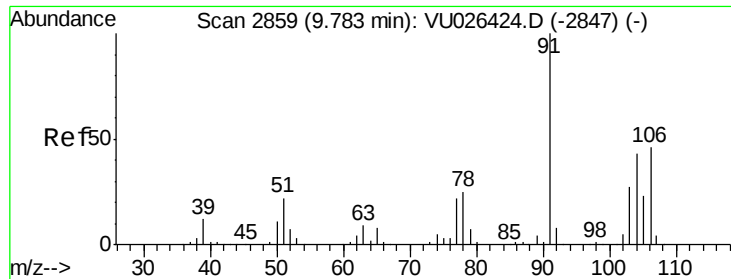
Tgt Ion: 106 Resp: 11860

Ion Ratio Lower Upper

106 100

91 219.9 143.0 265.6





#54

o-xylene

Concen: 3.371 ug/L

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Instrument :

MSVOA_U

ClientSampled :

BEE02

Tgt Ion:106 Resp: 7305

Ion Ratio Lower Upper

106 100

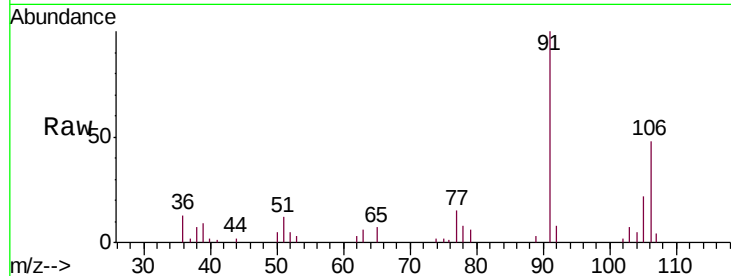
91 210.2 153.3 284.7

Manual Integrations

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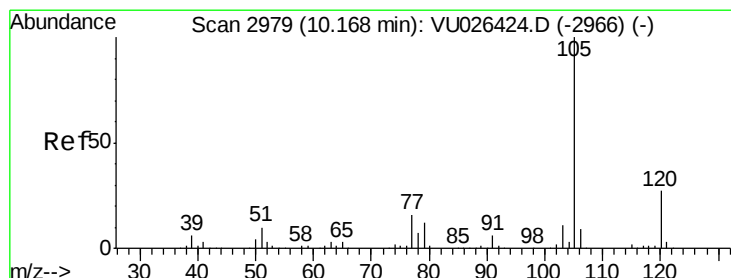
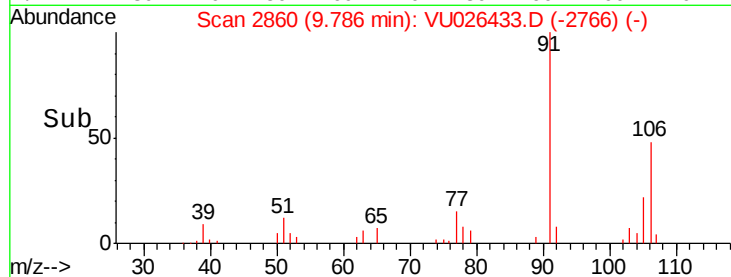
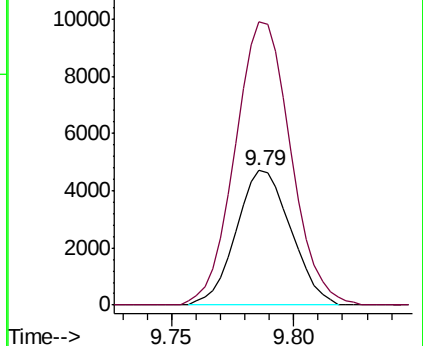
MMDadoda

8/30/2018 11:41:14 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.364 ug/L

RT: 10.17 min Scan# 2981

Delta R.T. 0.01 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

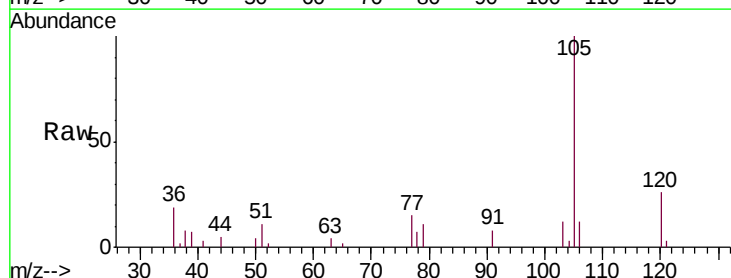
Tgt Ion:105 Resp: 7738

Ion Ratio Lower Upper

105 100

120 24.8 21.5 32.3

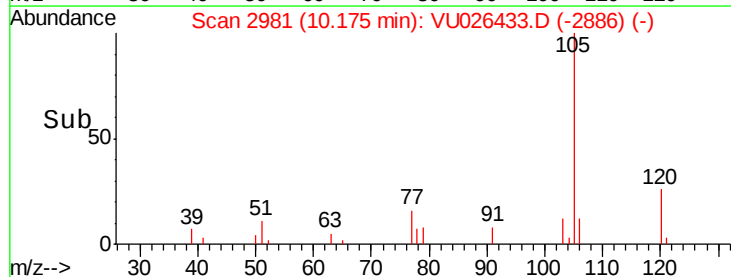
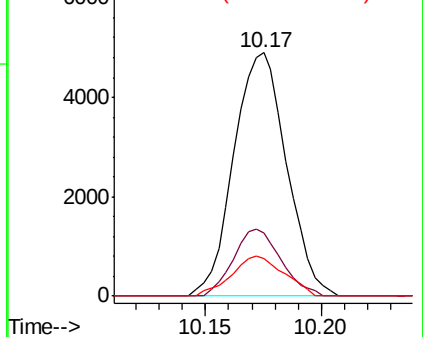
77 16.3 12.9 19.3

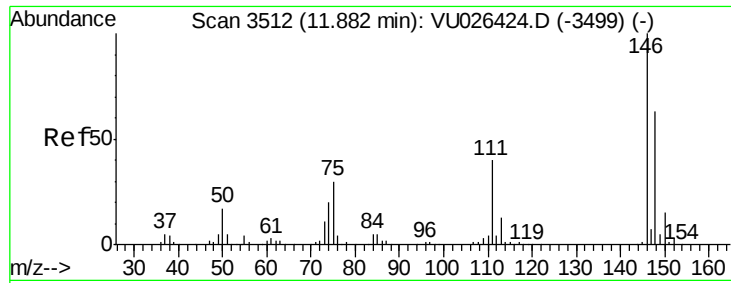


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#65

1,2-Dichlorobenzene

Concen: 6.659 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Instrument :

MSVOA_U

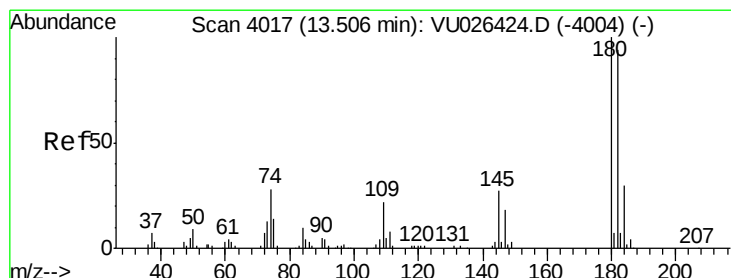
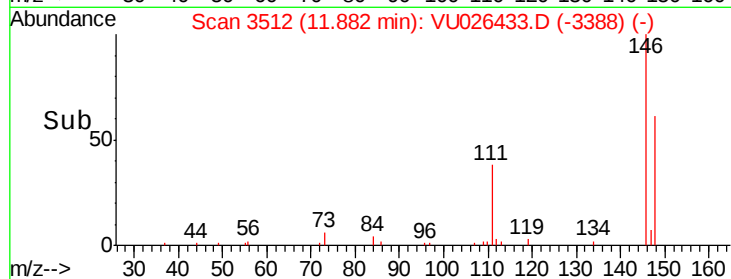
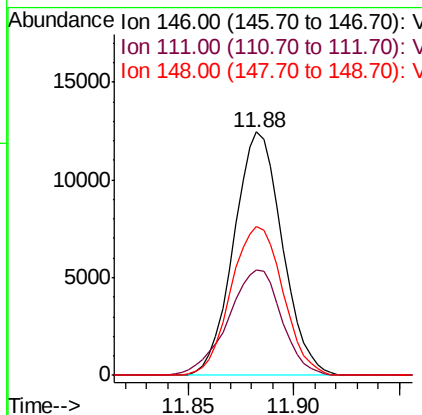
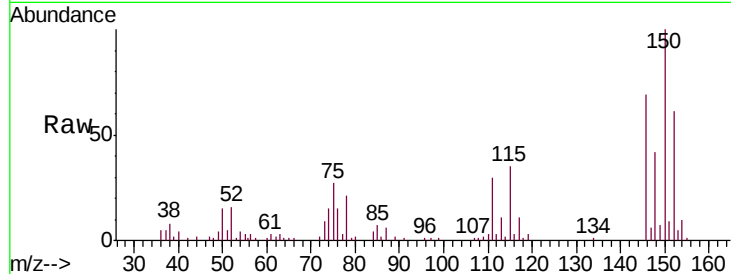
ClientSampleId :

BEE02

Tgt Ion:	146	Resp:	19854
Ion Ratio	Lower	Upper	
146	100		
111	43.5	32.0	48.0
148	61.2	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:41:14 AM



#68

1,2,4-trichlorobenzene

Concen: 1.798 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026433.D

Acq: 29 Aug 2018 19:47

Tgt Ion:	180	Resp:	3582
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.6	114.8
145	25.5	22.4	33.6

