

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026009.D
 Acq On : 09 Aug 2018 20:26
 Operator : MD/SY
 Sample : J4361-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:18:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	299686	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	285376	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	137132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90421	41.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.56%
7) Chloroethane-d5	1.68	69	77547	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.30%
11) 1,1-Dichloroethene-d2	2.27	63	139340	33.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.94%
21) 2-Butanone-d5	4.18	46	180641	98.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	4.65	84	214624	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	149280	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
32) Benzene-d6	5.35	84	415924	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
36) 1,2-Dichloropropane-d6	6.33	67	137557	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.57	98	377000	44.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.94%
43) trans-1,3-Dichloropropene-	7.85	79	65953	45.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.30%
47) 2-Hexanone-d5	8.31	63	127862	98.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.18%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	198101	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	164560	48.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	113195	99.804	ug/L	99
22) 2-Butanone	4.27	43	68749	41.893	ug/L	99
27) 1,2-Dichloroethane	5.41	62	3957	1.230	ug/L	98
37) 1,2-Dichloropropane	6.34	63	15056	6.770	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	4488	1.331	ug/L #	70
42) Toluene	7.64	91	55782	6.466	ug/L	100
46) Tetrachloroethene	8.23	164	3507	1.941	ug/L	90
49) Dibromochloromethane	8.23	129	3228	1.262	ug/L #	11
51) Chlorobenzene	9.12	112	1691144	290.718	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	92474	21.661	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	664755	148.536	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	765658	168.491	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1020	1.279	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.51	180	315807	98.977	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	315807	117.043	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	73955	25.501	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration

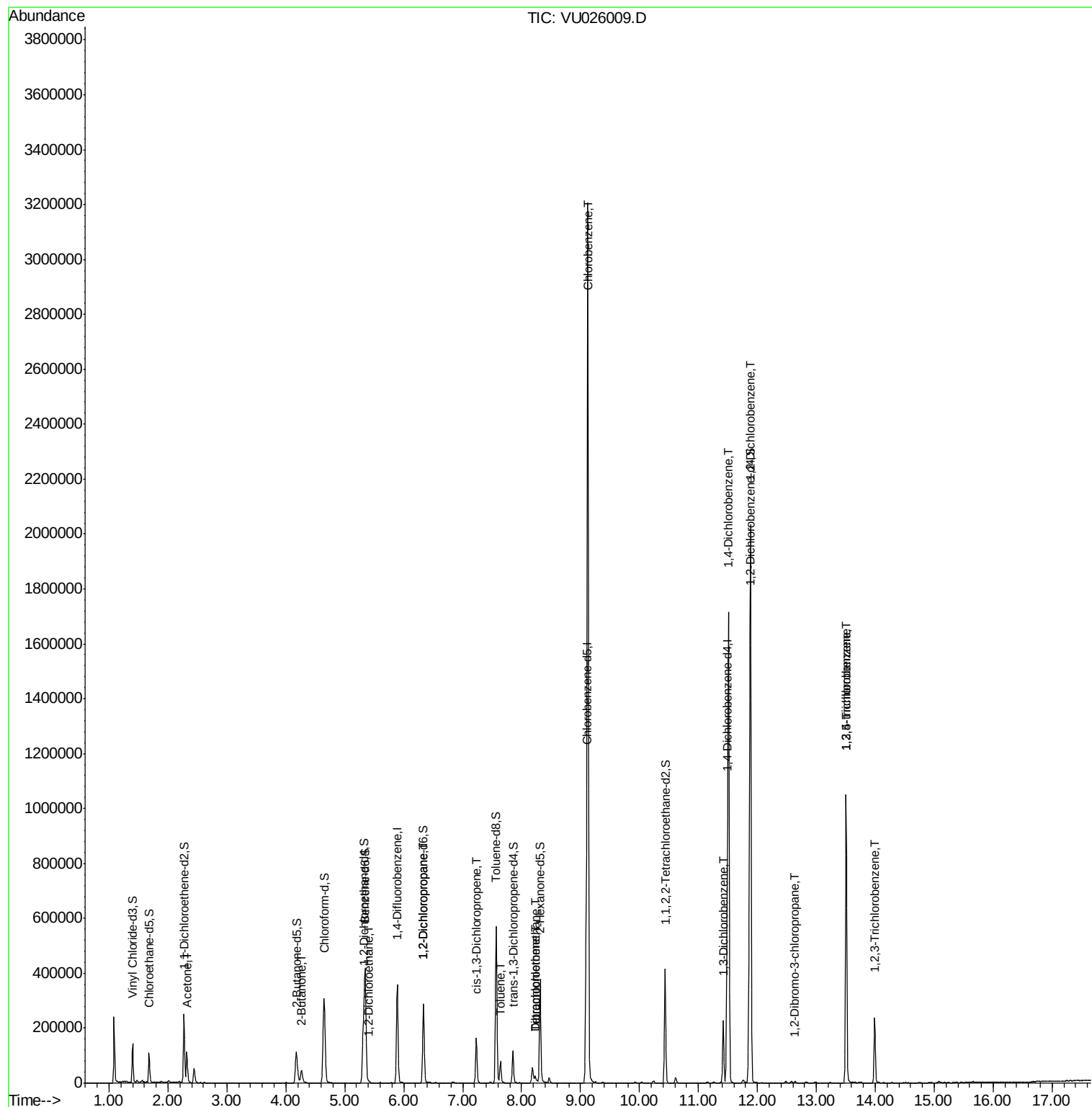
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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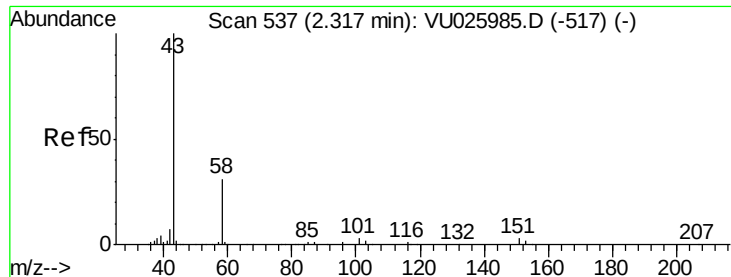
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 99.804 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

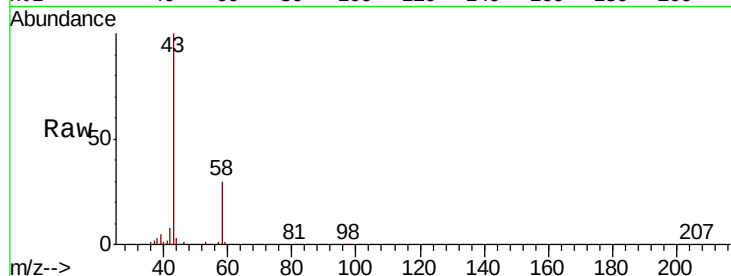
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 113195

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)

2.32

80000

60000

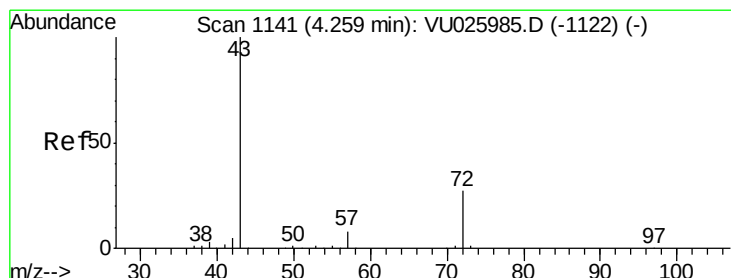
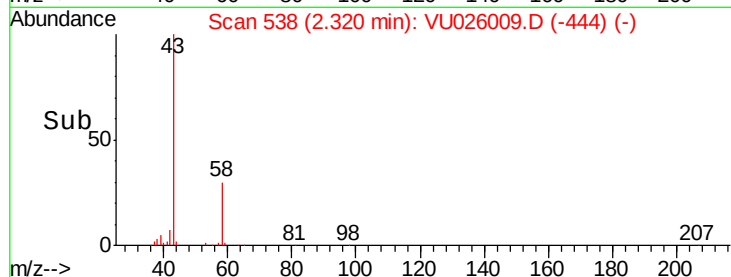
40000

20000

0

2.25 2.30 2.35 2.40

Time-->



#22

2-Butanone

Concen: 41.893 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026009.D

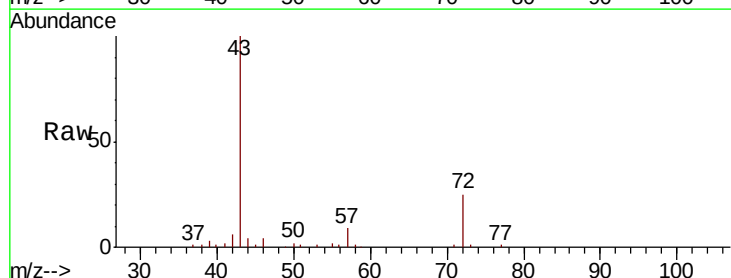
Acq: 09 Aug 2018 20:26

Tgt Ion: 43 Resp: 68749

Ion Ratio Lower Upper

43 100

72 26.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-1122) (-)

Ion 72.00 (71.70 to 72.70): VU025985.D (-1122) (-)

4.27

30000

25000

20000

15000

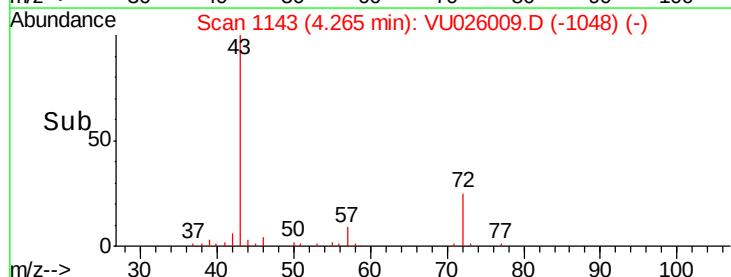
10000

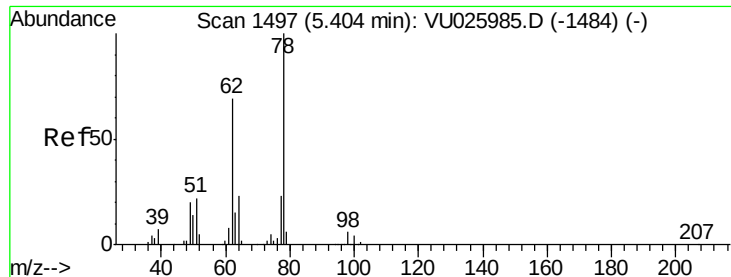
5000

0

4.20 4.30

Time-->

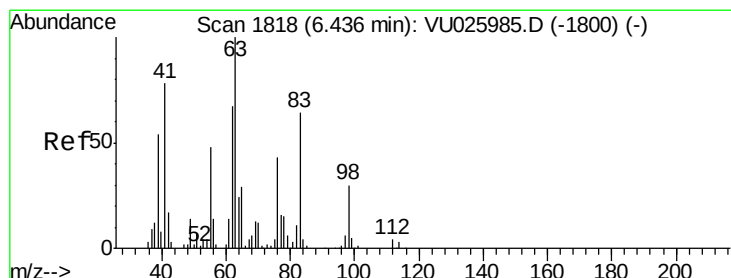
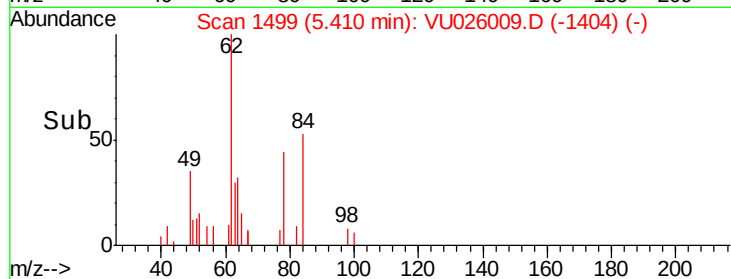
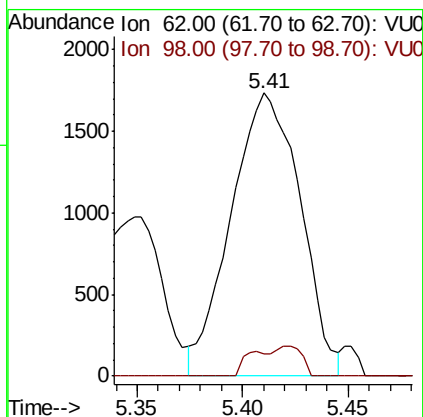
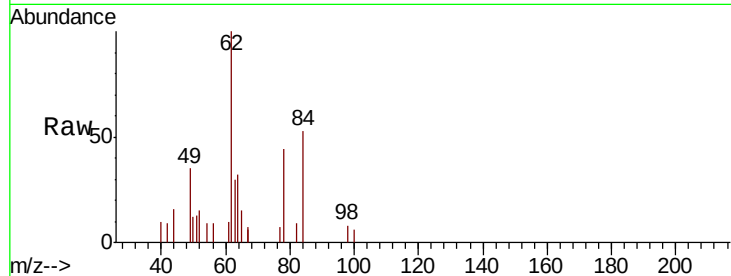




#27
 1,2-Dichloroethane
 Concen: 1.230 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

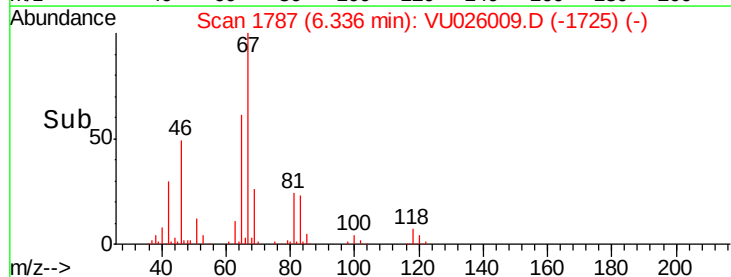
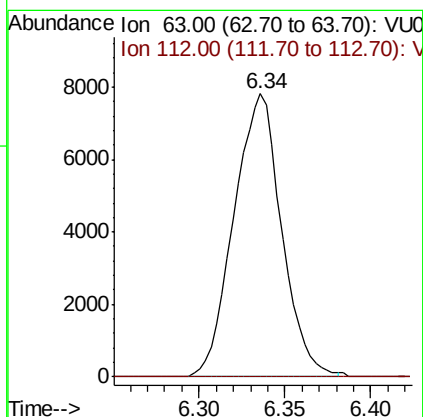
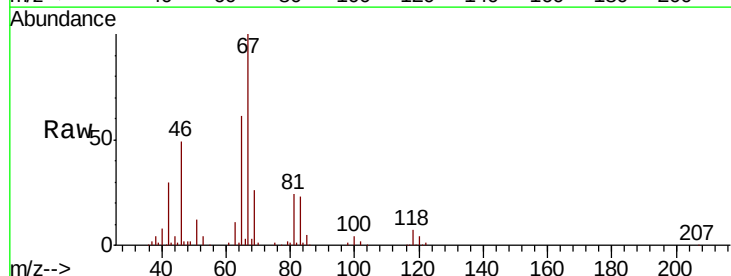
Instrument :
 MSVOA_U
 ClientSampleId :

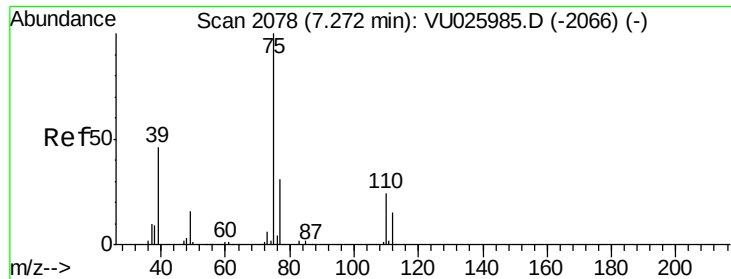
Tot Ion: 62 Resp: 3957
 Ion Ratio Lower Upper
 62 100
 98 8.0 7.0 10.4



#37
 1,2-Dichloropropane
 Concen: 6.770 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

Tgt Ion: 63 Resp: 15056
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#

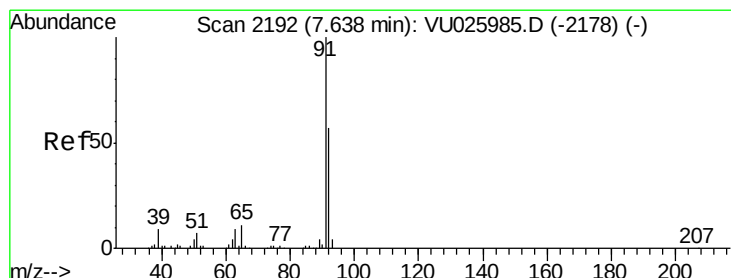
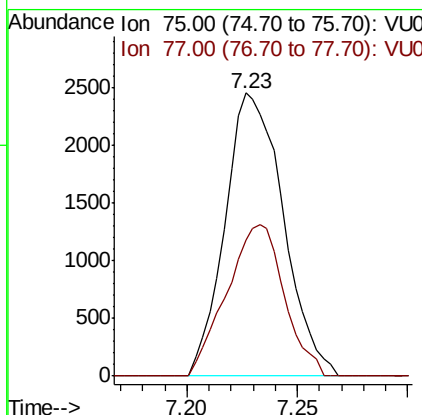
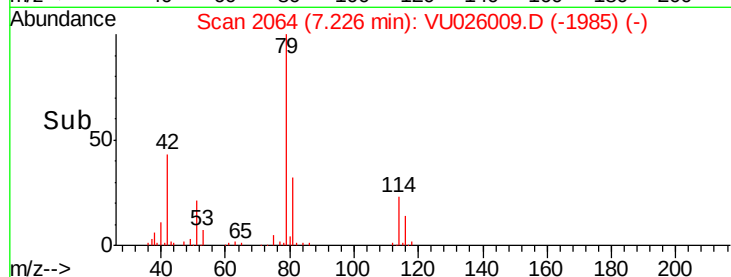
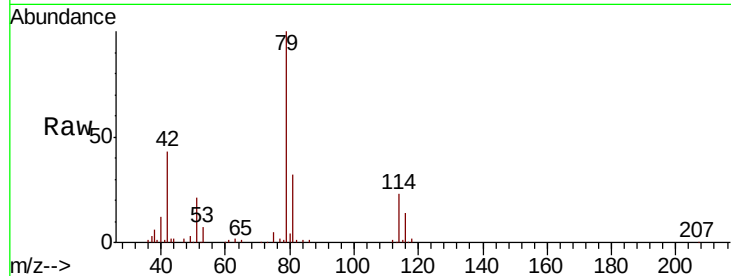




#39
 cis-1,3-Dichloropropene
 Concen: 1.331 ug/L
 RT: 7.23 min Scan# 2064
 Delta R.T. -0.05 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

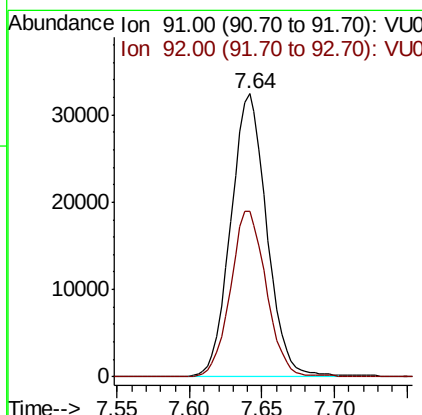
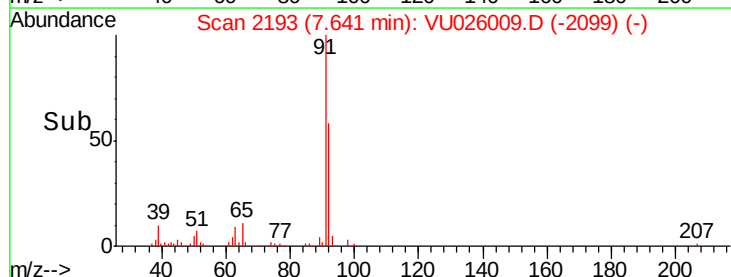
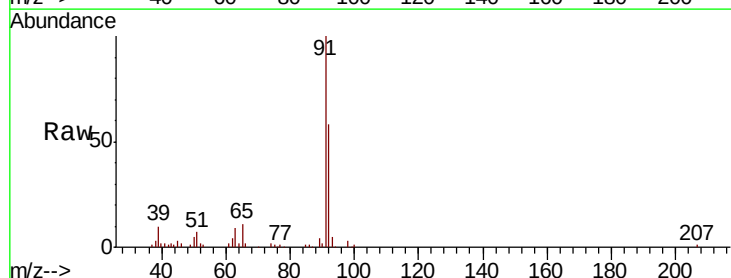
Instrument :
 MSVOA_U
 ClientSampleId :

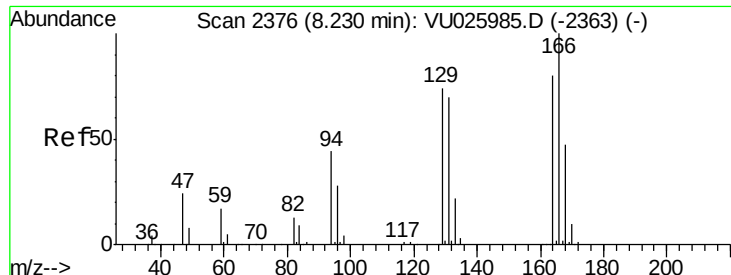
Tot Ion: 75 Resp: 4488
 Ion Ratio Lower Upper
 75 100
 77 48.2 22.1 41.1#



#42
 Toluene
 Concen: 6.466 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

Tgt Ion: 91 Resp: 55782
 Ion Ratio Lower Upper
 91 100
 92 58.4 41.0 76.2





#46

Tetrachloroethene

Concen: 1.941 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

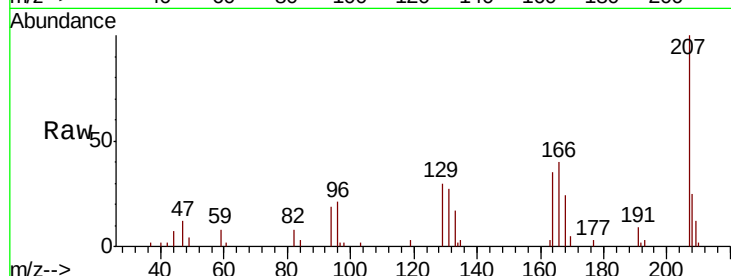
Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:164 Resp: 3507

Ion Ratio Lower Upper

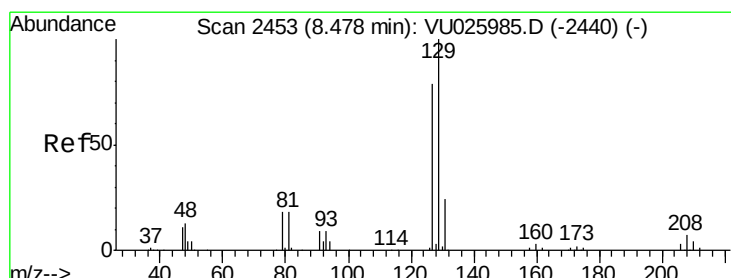
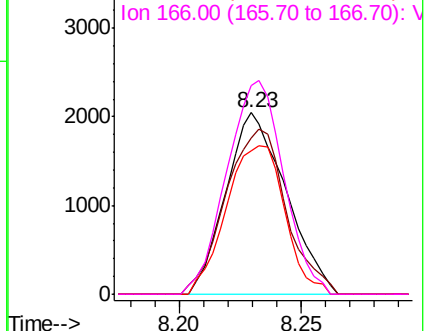
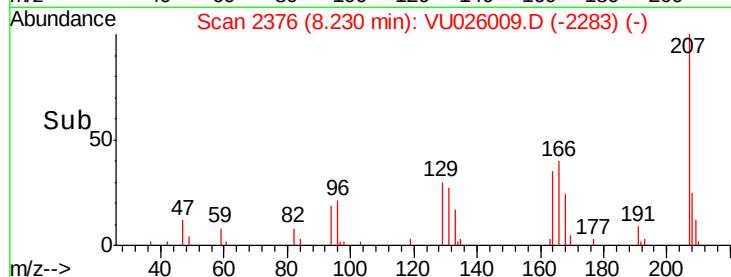
164 100

129 85.9 64.8 120.3

131 79.1 62.8 116.6

166 114.8 89.0 165.4

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



#49

Dibromochloromethane

Concen: 1.262 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. -0.24 min

Lab File: VU026009.D

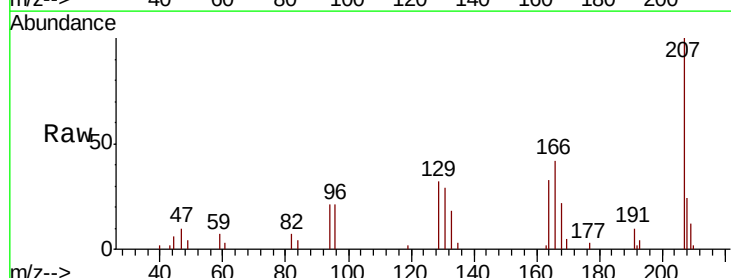
Acq: 09 Aug 2018 20:26

Tgt Ion:129 Resp: 3228

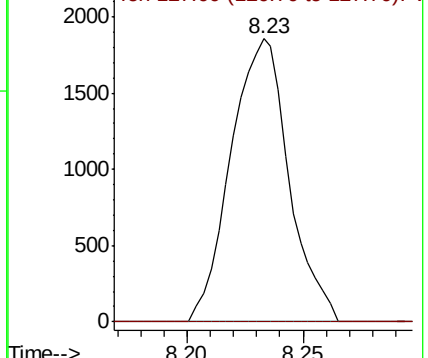
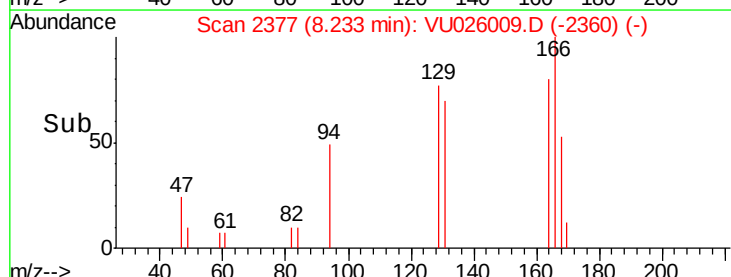
Ion Ratio Lower Upper

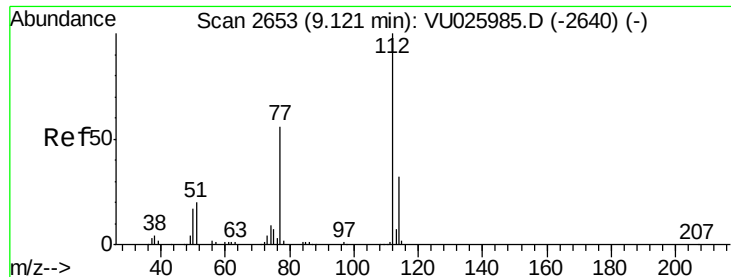
129 100

127 0.0 53.5 99.3#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

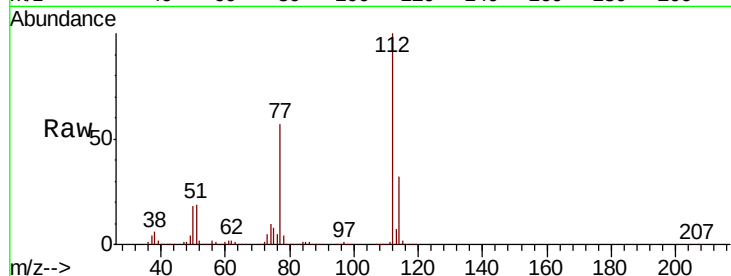




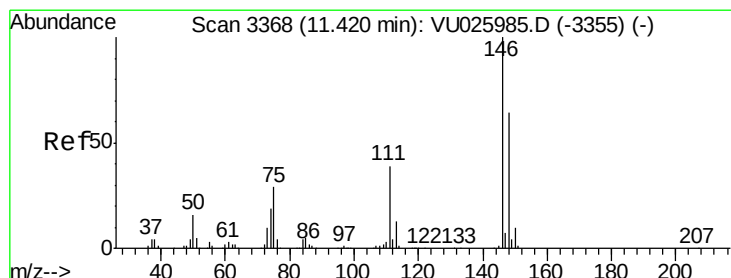
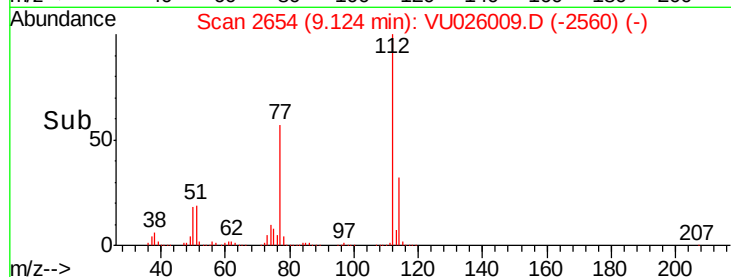
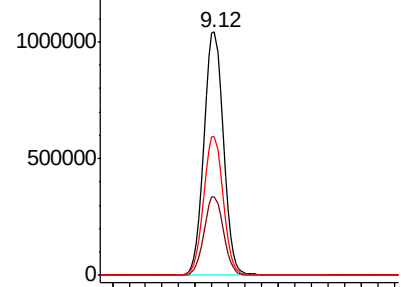
#51
Chlorobenzene
Concen: 290.718 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026009.D
Acq: 09 Aug 2018 20:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 1691144
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.3
77 56.7 45.2 67.8

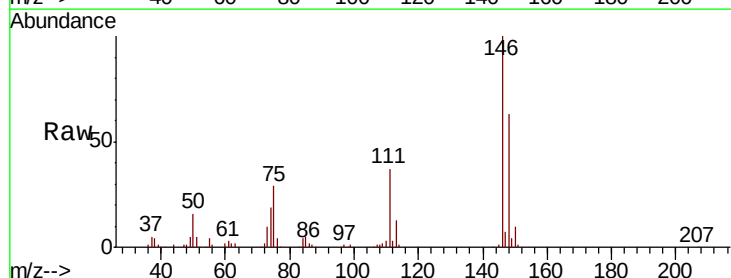


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

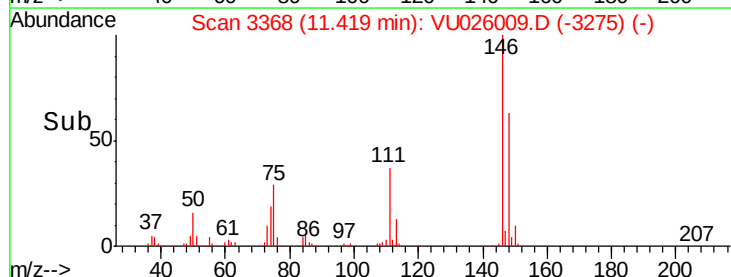
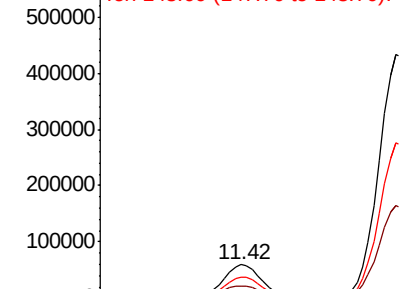


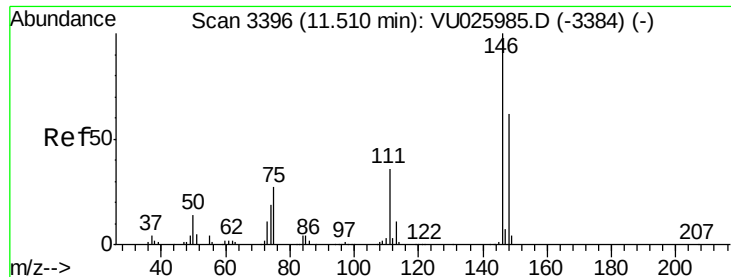
#62
1,3-Dichlorobenzene
Concen: 21.661 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU026009.D
Acq: 09 Aug 2018 20:26

Tgt Ion:146 Resp: 92474
Ion Ratio Lower Upper
146 100
111 36.5 27.9 51.9
148 63.2 46.0 85.4



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: 148.536 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026009.D

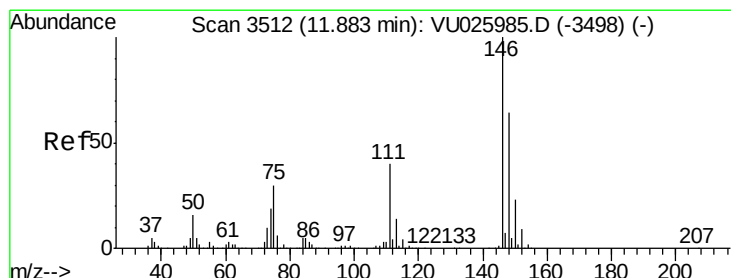
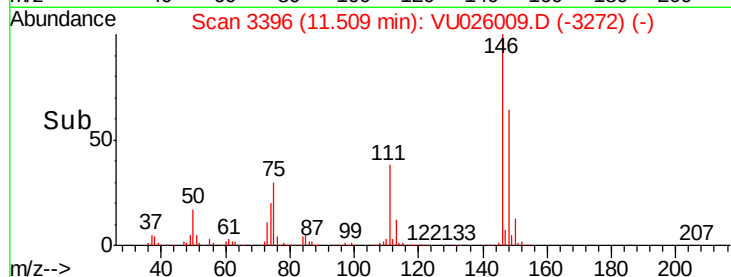
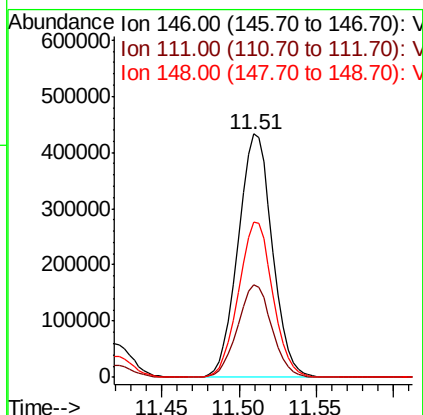
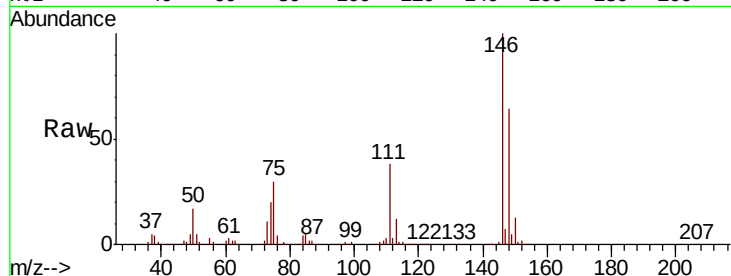
Acq: 09 Aug 2018 20:26

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:	146	Resp:	664755
Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.4	49.0
148	63.5	43.8	81.4



#65

1,2-Dichlorobenzene

Concen: 168.491 ug/L

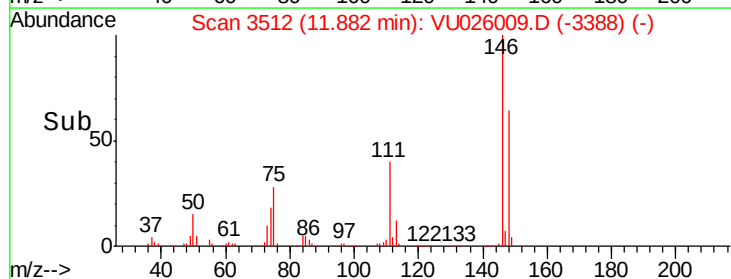
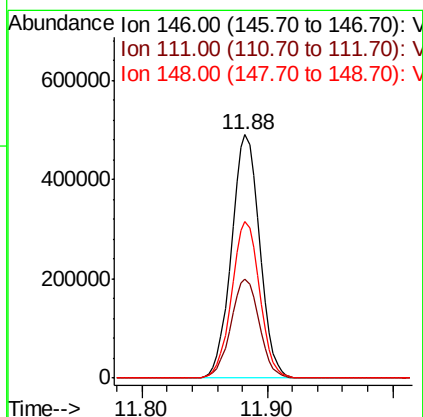
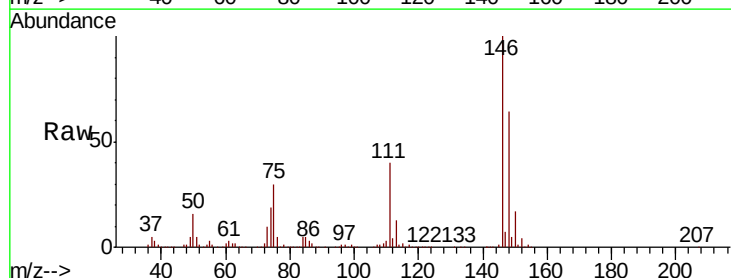
RT: 11.88 min Scan# 3512

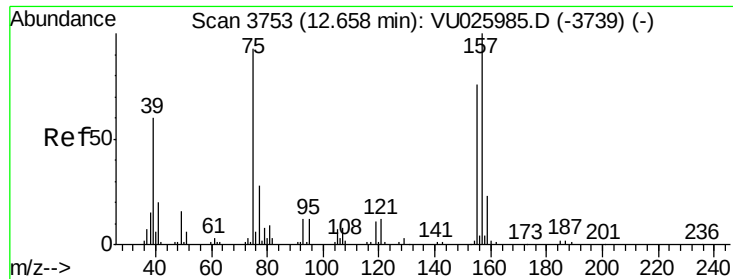
Delta R.T. -0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

Tgt Ion:	146	Resp:	765658
Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.4	48.6
148	64.3	50.1	75.1

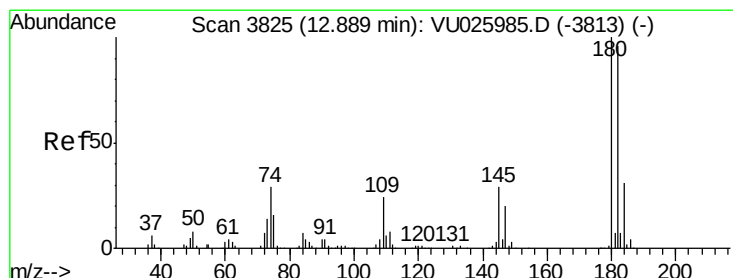
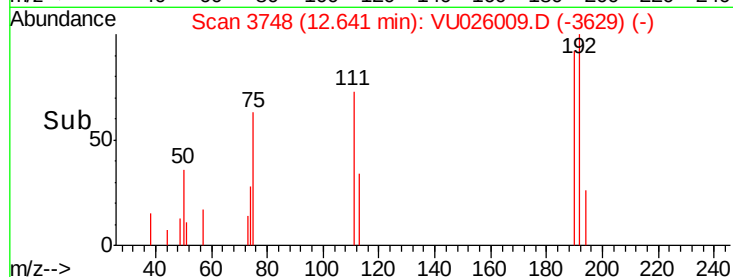
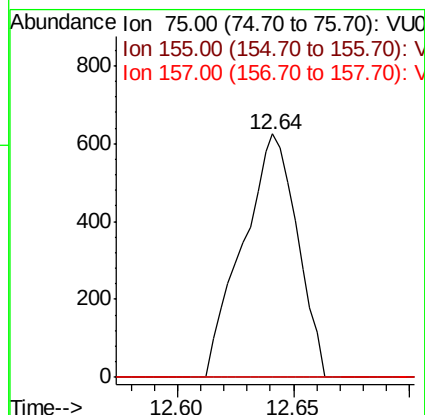
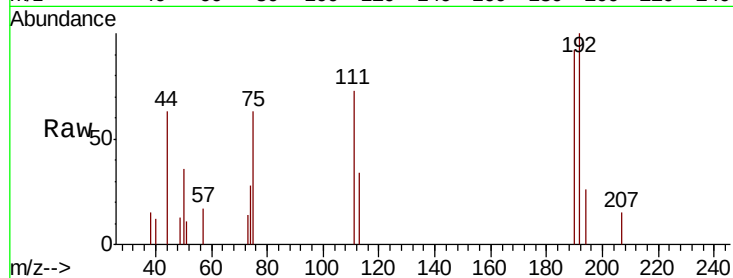




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.279 ug/L
 RT: 12.64 min Scan# 3748
 Delta R.T. -0.02 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

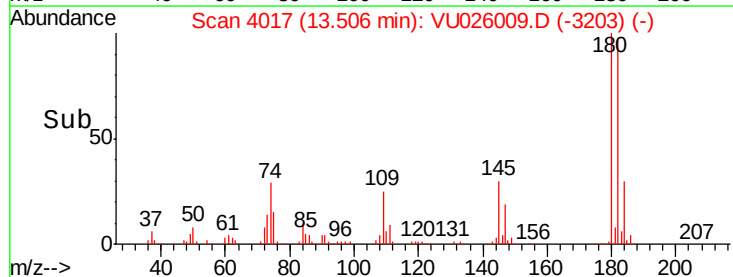
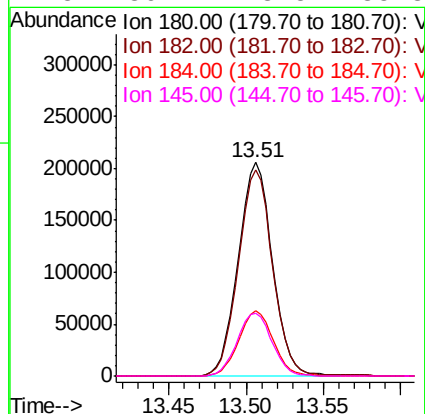
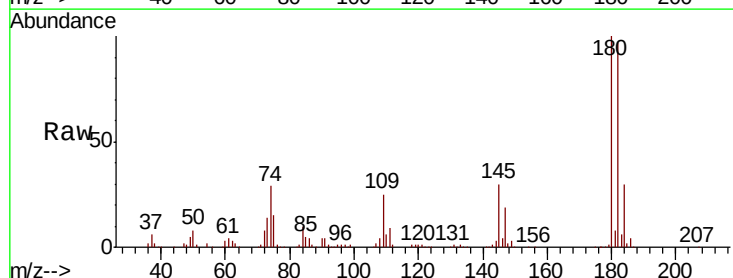
Instrument :
 MSVOA_U
 ClientSampled :

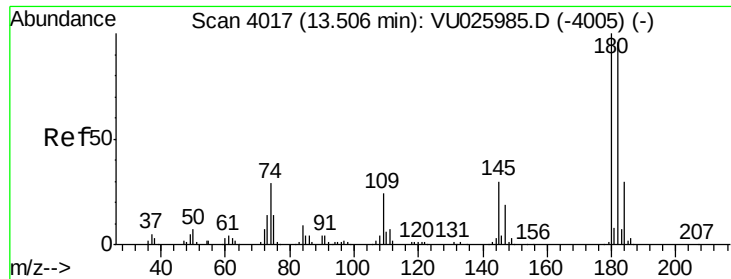
Tot Ion: 75 Resp: 1020
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.8 107.8#
 157 0.0 93.0 139.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 98.977 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

Tgt Ion: 180 Resp: 315807
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.5 114.7
 184 30.9 24.3 36.5
 145 30.4 23.5 35.3





#68

1,2,4-trichlorobenzene

Concen: 117.043 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

Instrument :

MSVOA_U

ClientSampled :

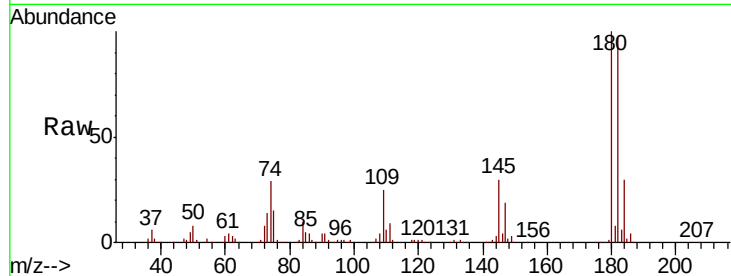
Tot Ion:180 Resp: 315807

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

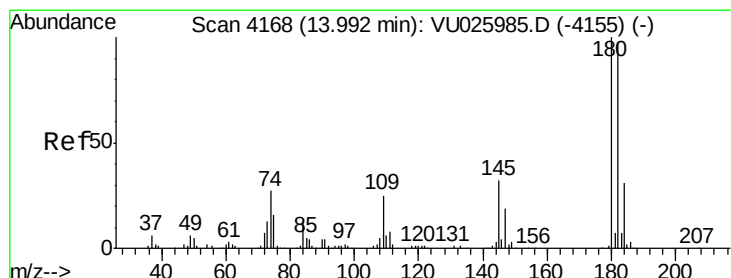
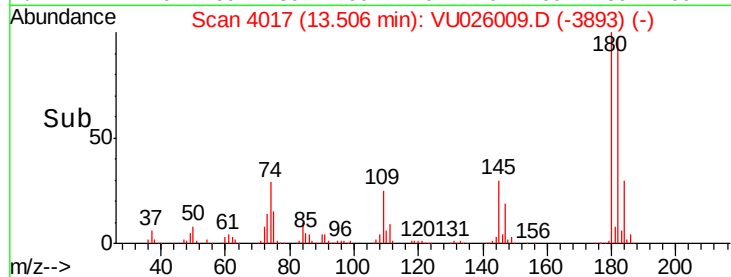
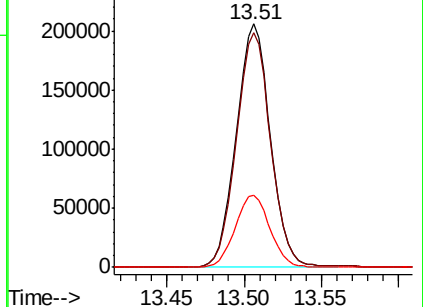
145 30.4 24.2 36.4



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



#70

1,2,3-Trichlorobenzene

Concen: 25.501 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

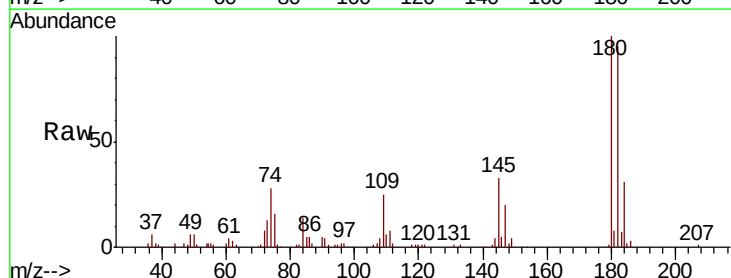
Tgt Ion:180 Resp: 73955

Ion Ratio Lower Upper

180 100

182 97.2 76.5 114.7

145 32.5 24.7 37.1



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

