

Data File : VU026544.D
Acq On : 05 Sep 2018 14:32
Operator : MD/SY
Sample : J4694-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE38

Quant Time: Sep 06 04:39:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 04:37:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	148775	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	139697	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60292	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41387	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.80%
7) Chloroethane-d5	1.68	69	38726	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.27	63	63499	30.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.18%
21) 2-Butanone-d5	4.18	46	84483	118.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.09%
24) Chloroform-d	4.65	84	88282	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.42%
26) 1,2-Dichloroethane-d4	5.31	65	60354	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.35	84	170185	52.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.70%
36) 1,2-Dichloropropane-d6	6.33	67	61285	55.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.82%
41) Toluene-d8	7.57	98	151384	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.85	79	16609	32.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.76%
47) 2-Hexanone-d5	8.31	63	61624	121.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88869	54.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	62903	57.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

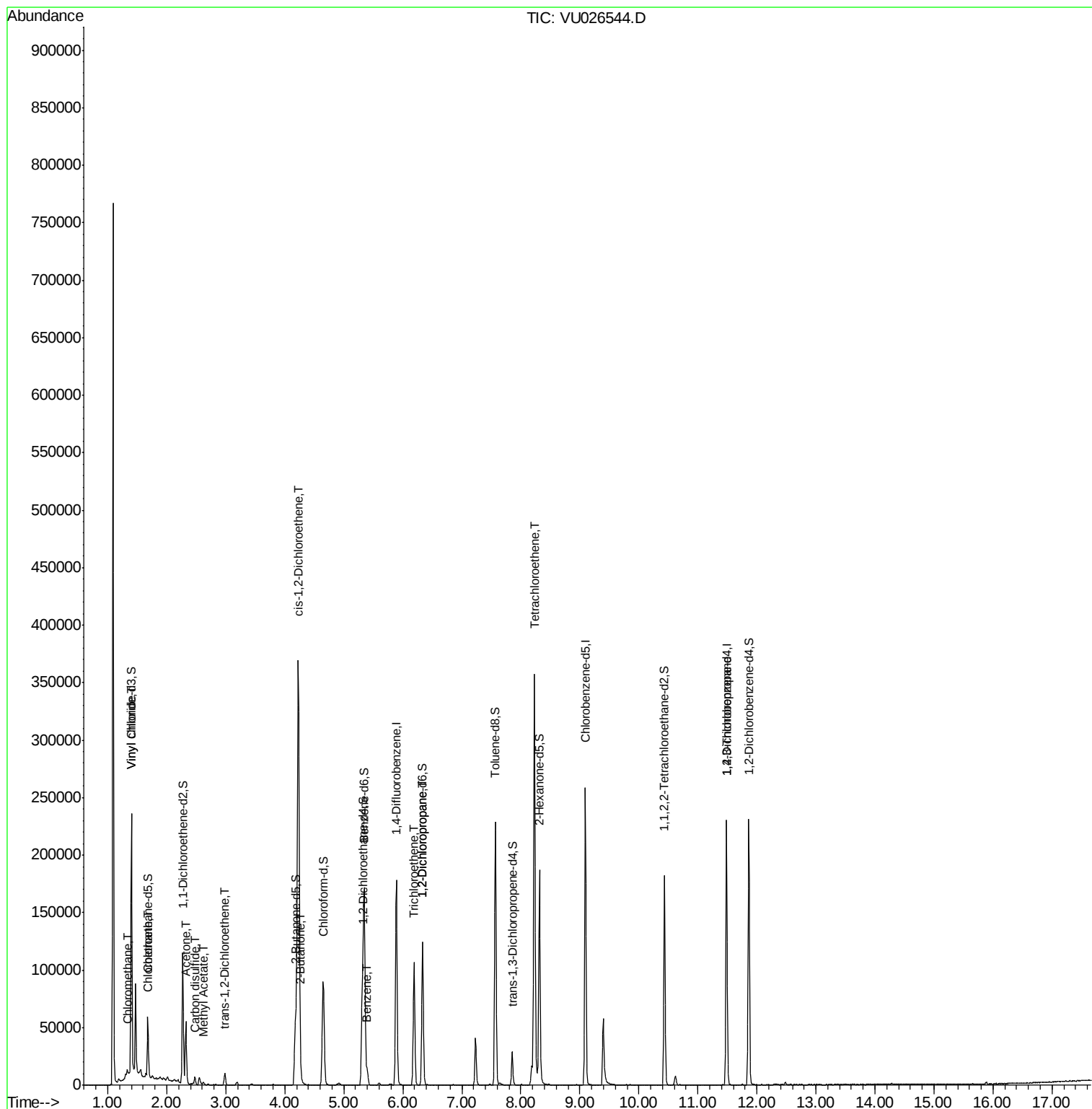
					Qvalue
3) Chloromethane	1.33	50	3339	2.331 ug/L	93
5) Vinyl chloride	1.40	62	105718	68.080 ug/L	89
8) Chloroethane	1.70	64	1524	1.635 ug/L #	61
13) Acetone	2.32	43	56765	91.631 ug/L	99
14) Carbon disulfide	2.48	76	8328	2.771 ug/L	100
15) Methyl Acetate	2.62	43	2707	2.225 ug/L #	87
17) trans-1,2-Dichloroethene	2.98	96	4144	4.314 ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	206317	191.737 ug/L	99
22) 2-Butanone	4.27	43	7352	8.829 ug/L	98
33) Benzene	5.39	78	12292	3.069 ug/L	100
34) Trichloroethene	6.19	95	36432	36.267 ug/L	98
37) 1,2-Dichloropropane	6.34	63	6377	5.752 ug/L #	88
46) Tetrachloroethene	8.23	164	79818	97.184 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	7176	5.187 ug/L	91

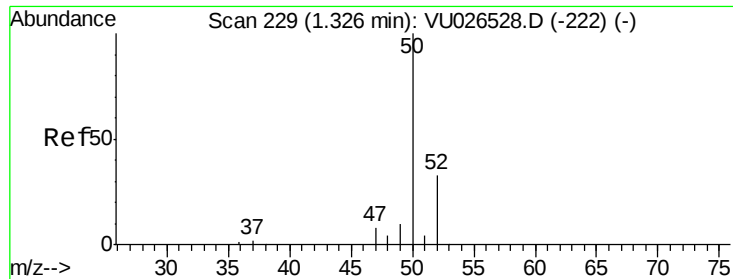
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026544.D
Acq On : 05 Sep 2018 14:32
Operator : MD/SY
Sample : J4694-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE38

Quant Time: Sep 06 04:39:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 04:37:37 2018
Response via : Initial Calibration

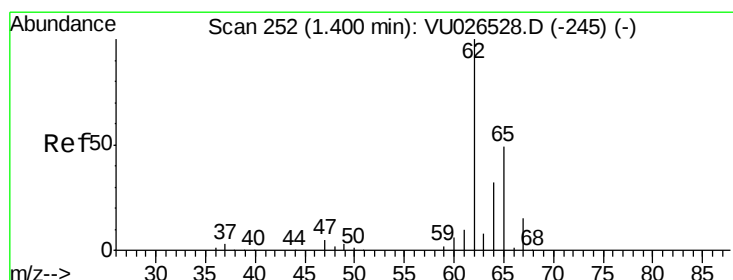
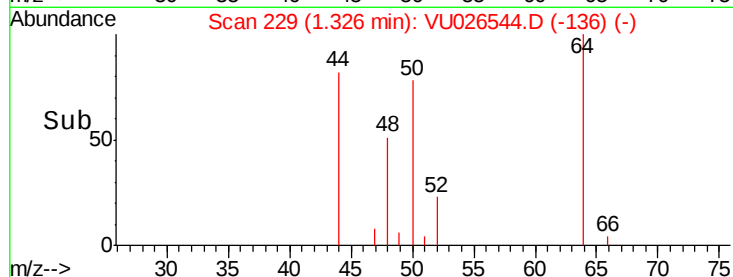
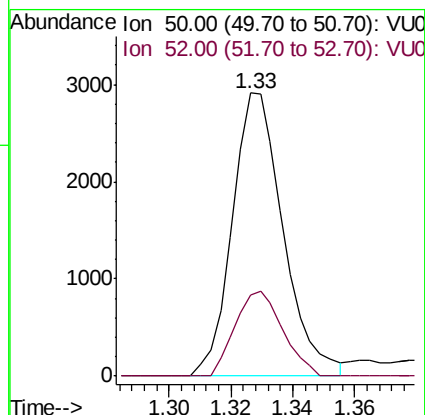
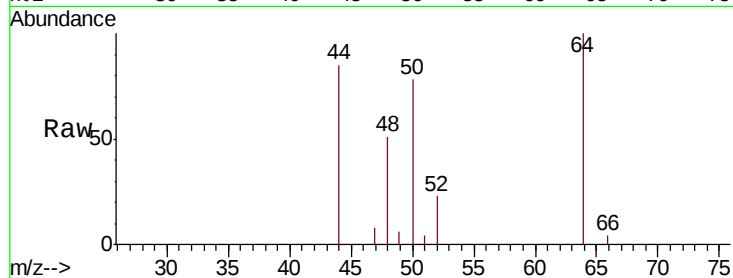




#3
Chloromethane
Concen: 2.331 ug/L
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU026544.D
Acq: 05 Sep 2018 14:32

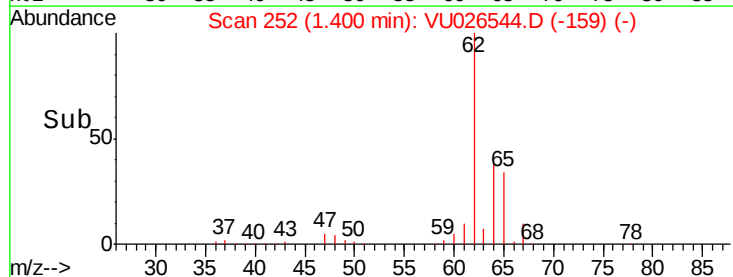
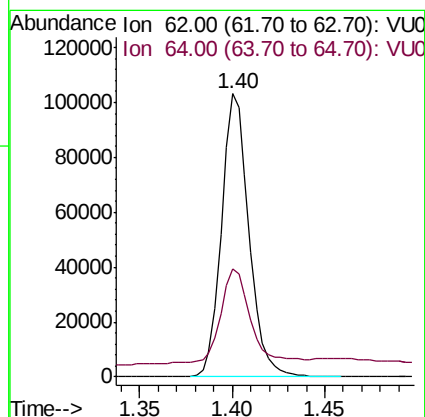
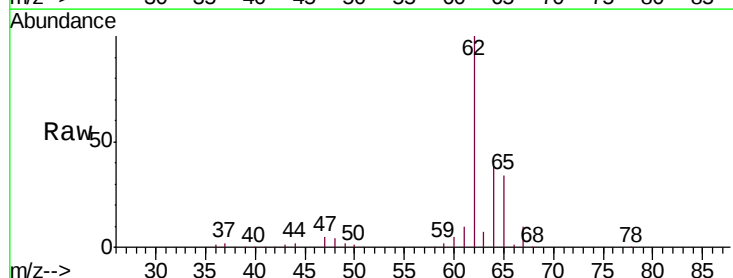
Instrument :
MSVOA_U
ClientSampleId :
BEE38

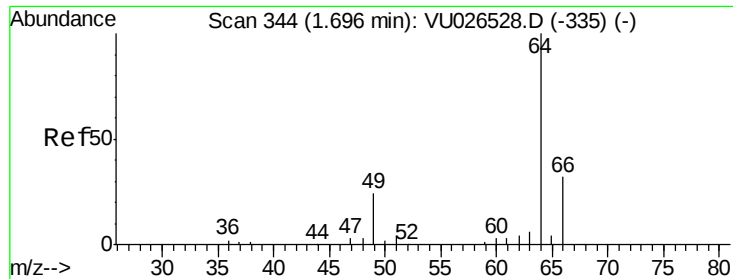
Tgt Ion: 50 Resp: 3339
Ion Ratio Lower Upper
50 100
52 28.8 23.0 42.6



#5
Vinyl chloride
Concen: 68.080 ug/L
RT: 1.40 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU026544.D
Acq: 05 Sep 2018 14:32

Tgt Ion: 62 Resp: 105718
Ion Ratio Lower Upper
62 100
64 37.9 22.4 41.6





#8

Chloroethane

Concen: 1.635 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

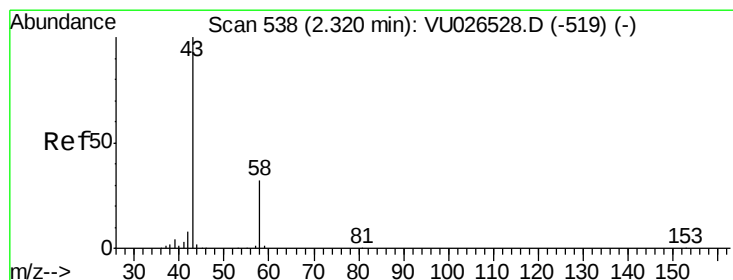
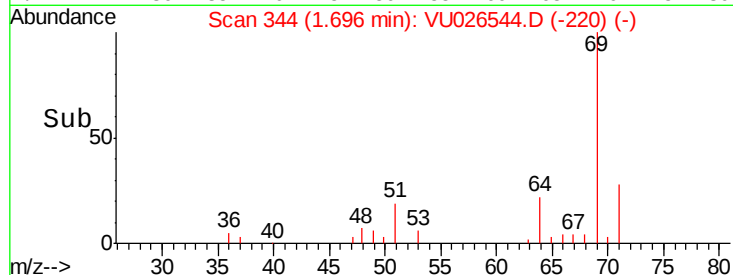
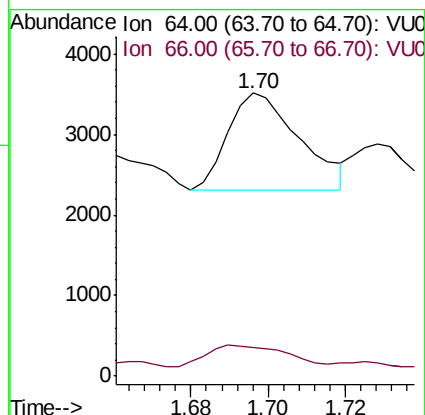
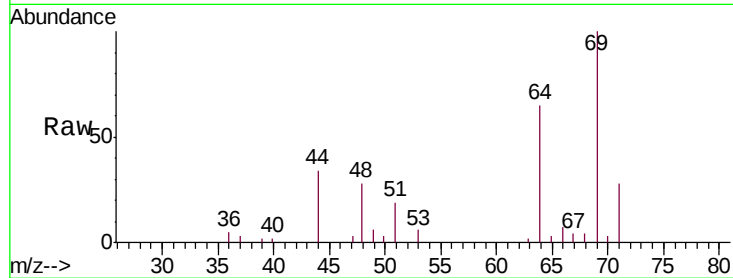
BEE38

Tgt Ion: 64 Resp: 1524

Ion Ratio Lower Upper

64 100

66 10.0 22.2 41.2#



#13

Acetone

Concen: 91.631 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026544.D

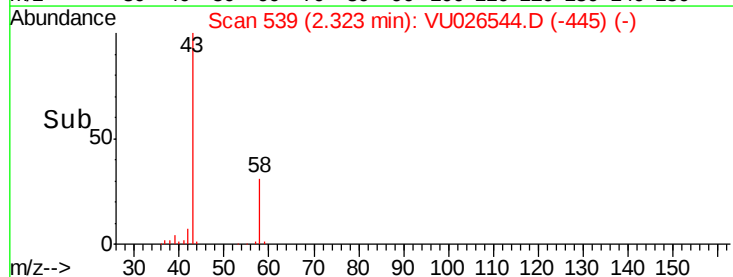
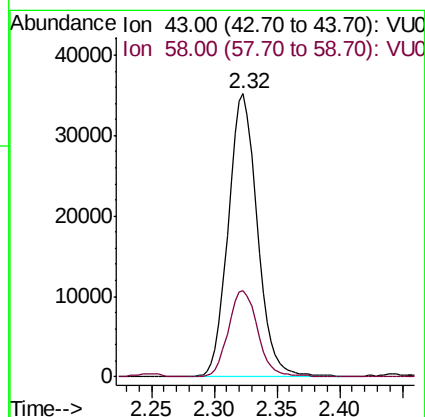
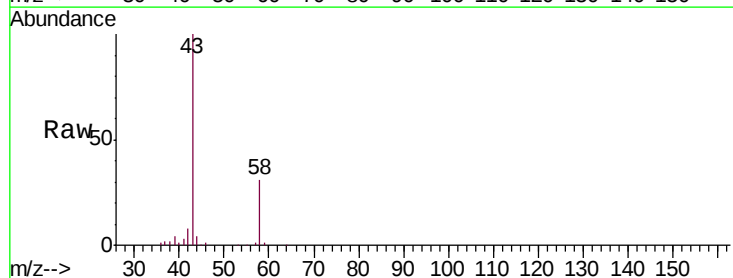
Acq: 05 Sep 2018 14:32

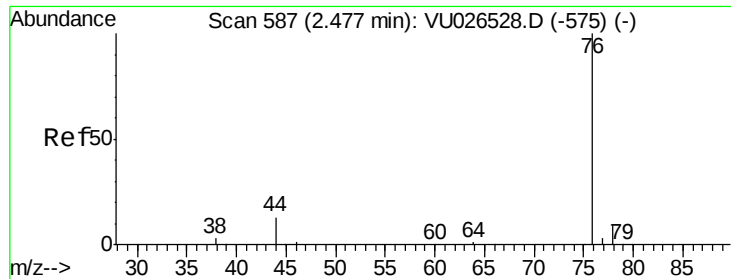
Tgt Ion: 43 Resp: 56765

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.2

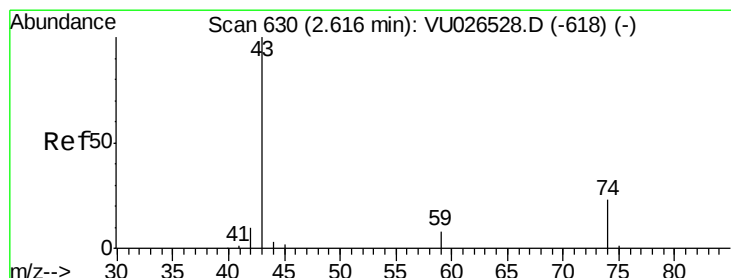
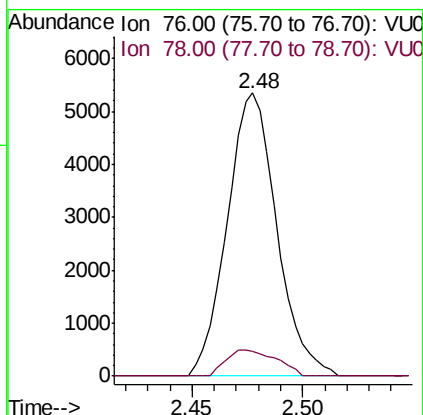
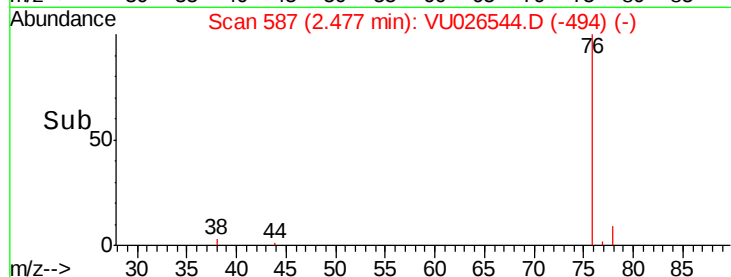
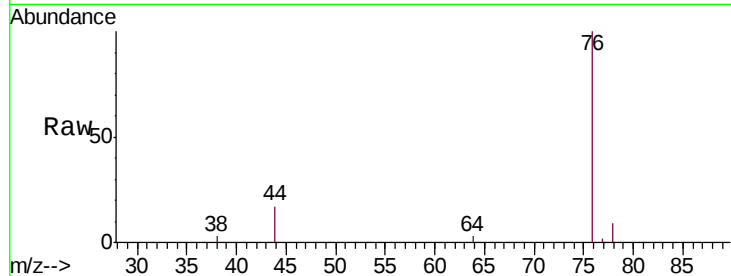




#14
Carbon disulfide
Concen: 2.771 ug/L
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU026544.D
Acq: 05 Sep 2018 14:32

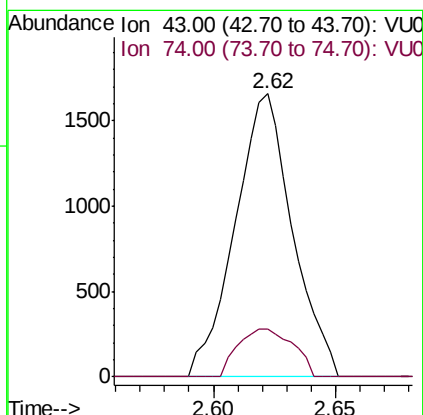
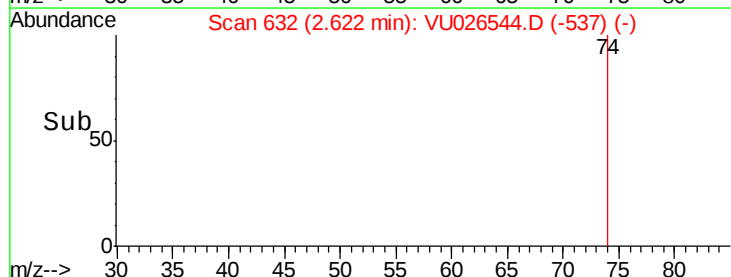
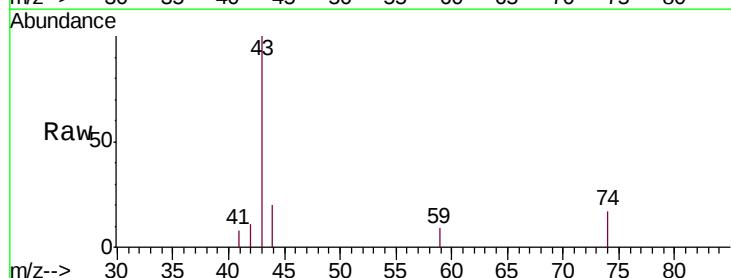
Instrument :
MSVOA_U
ClientSampleId :
BEE38

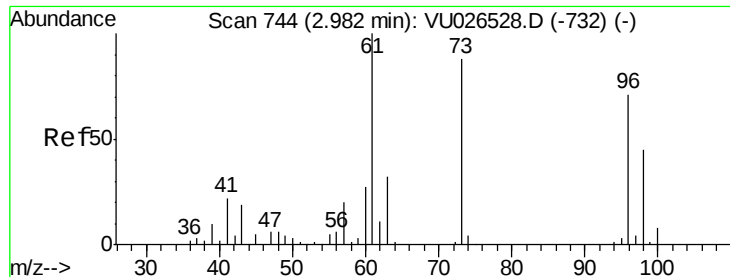
Tgt Ion: 76 Resp: 8328
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#15
Methyl Acetate
Concen: 2.225 ug/L
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU026544.D
Acq: 05 Sep 2018 14:32

Tgt Ion: 43 Resp: 2707
Ion Ratio Lower Upper
43 100
74 16.2 17.8 26.6#





#17

trans-1,2-Dichloroethene

Concen: 4.314 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

BEE38

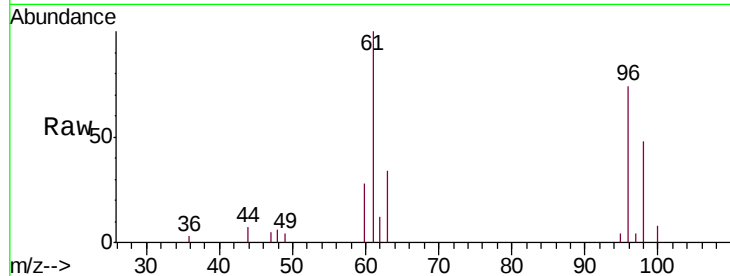
Tgt Ion: 96 Resp: 4144

Ion Ratio Lower Upper

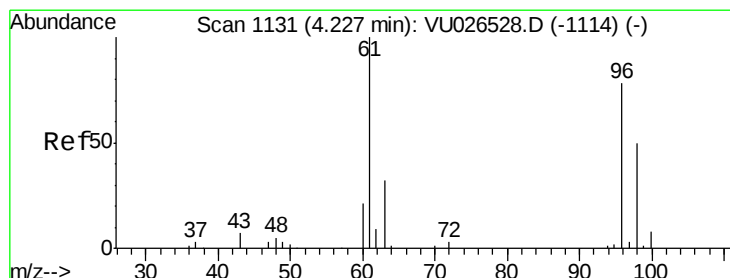
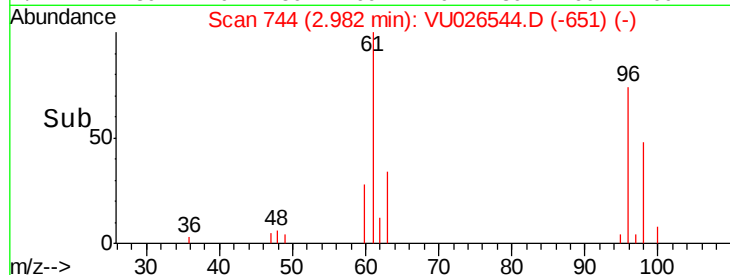
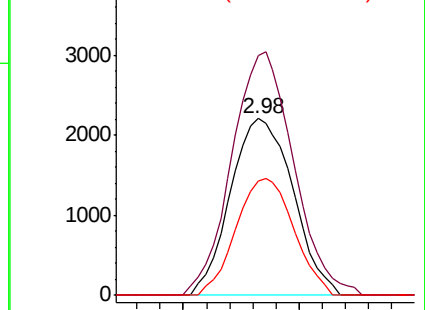
96 100

61 135.9 103.2 191.6

98 64.9 44.9 83.3



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: 191.737 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

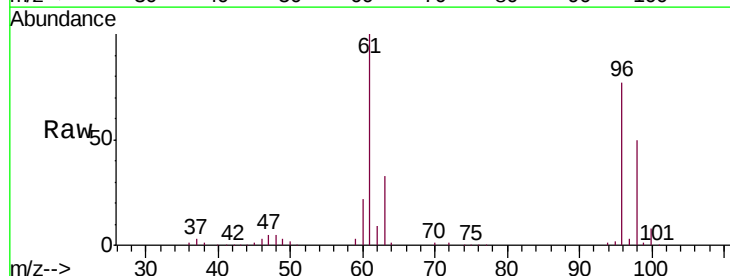
Tgt Ion: 96 Resp: 206317

Ion Ratio Lower Upper

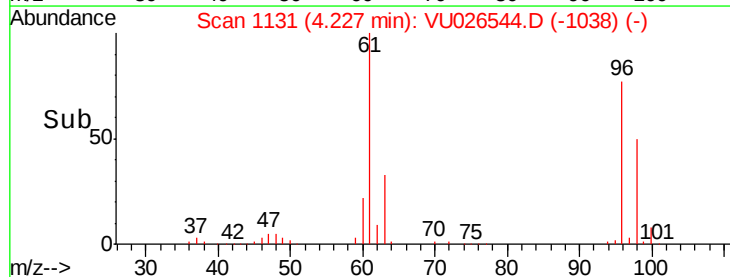
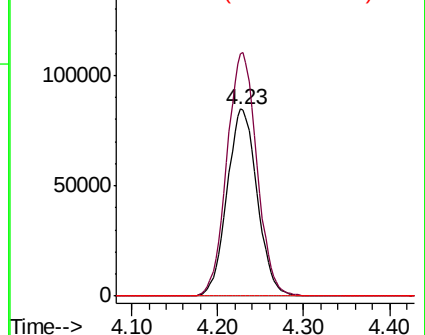
96 100

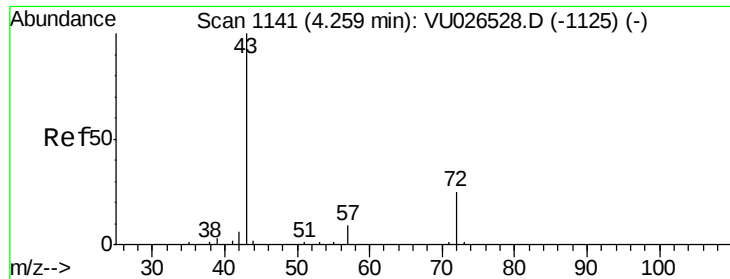
61 129.5 91.6 170.2

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





#22

2-Butanone

Concen: 8.829 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

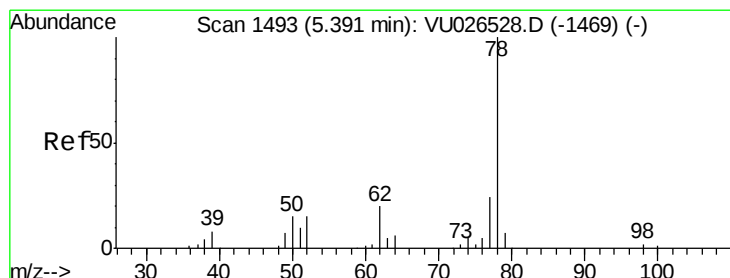
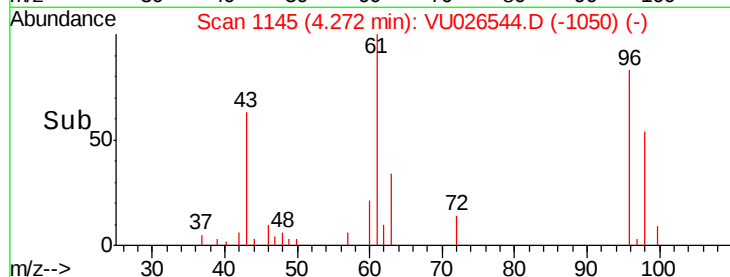
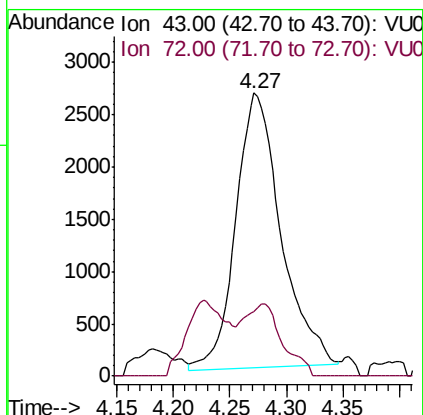
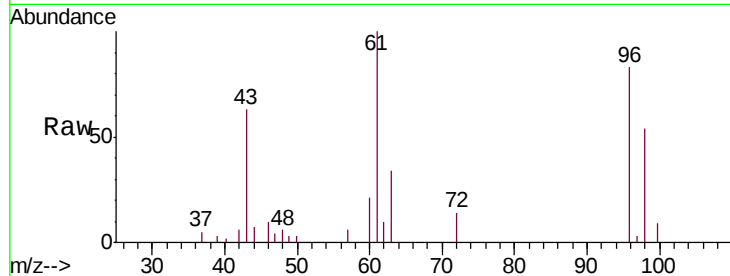
BEE38

Tgt Ion: 43 Resp: 7352

Ion Ratio Lower Upper

43 100

72 24.8 13.0 38.9



#33

Benzene

Concen: 3.069 ug/L

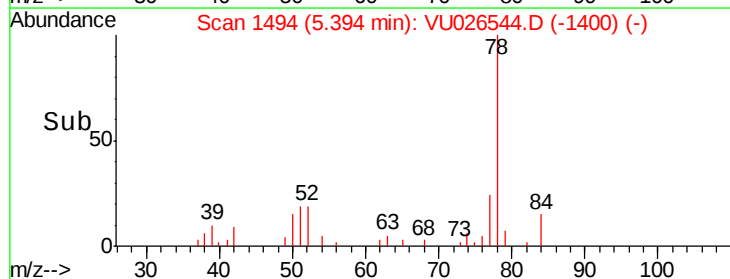
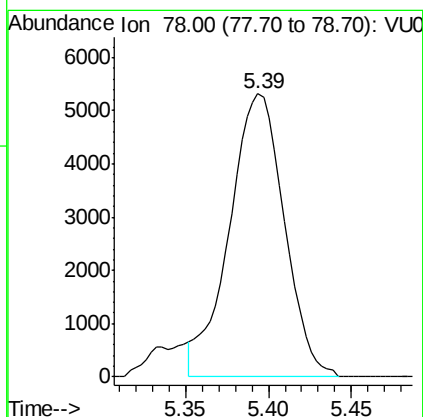
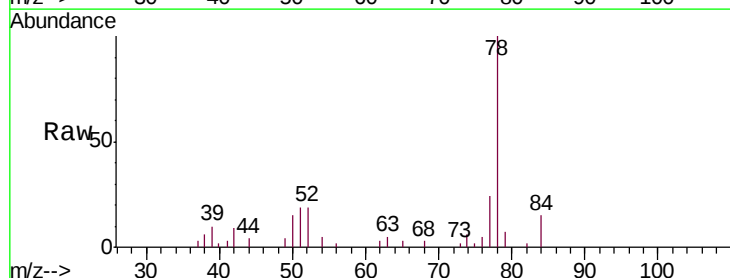
RT: 5.39 min Scan# 1494

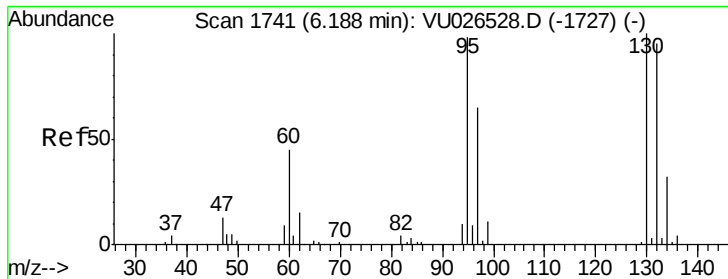
Delta R.T. 0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Tgt Ion: 78 Resp: 12292





#34

Trichloroethene

Concen: 36.267 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

BEE38

Tgt Ion: 95 Resp: 36432

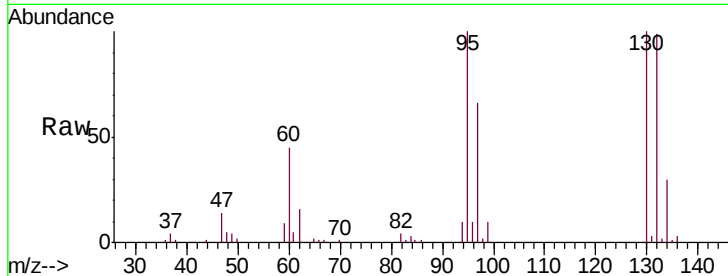
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.7

132 99.0 67.5 125.3

130 100.4 69.3 128.7

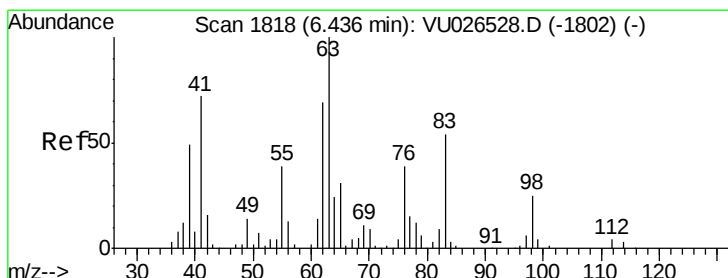
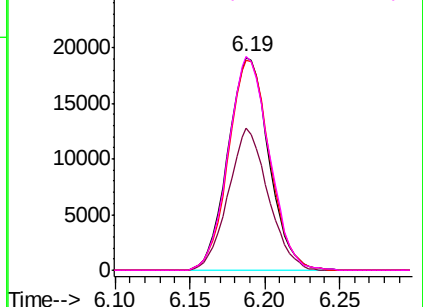
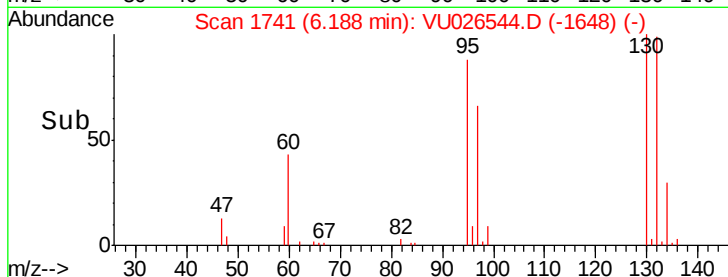


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.752 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026544.D

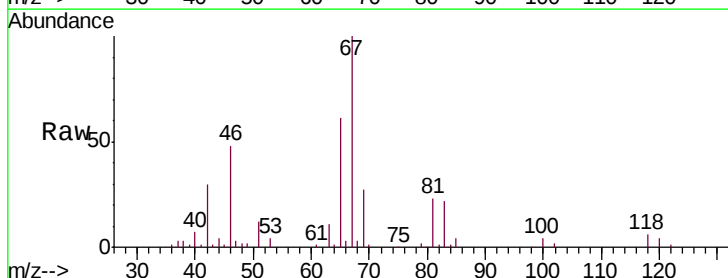
Acq: 05 Sep 2018 14:32

Tgt Ion: 63 Resp: 6377

Ion Ratio Lower Upper

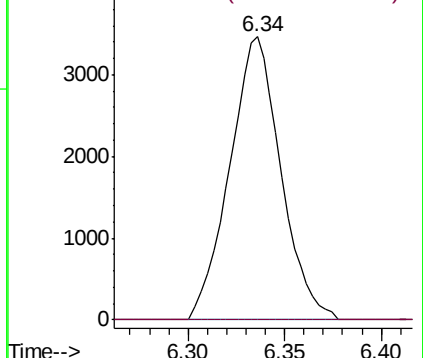
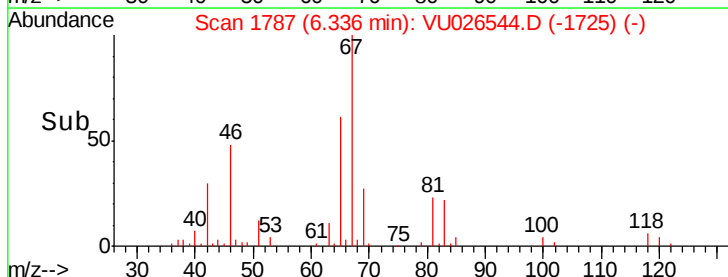
63 100

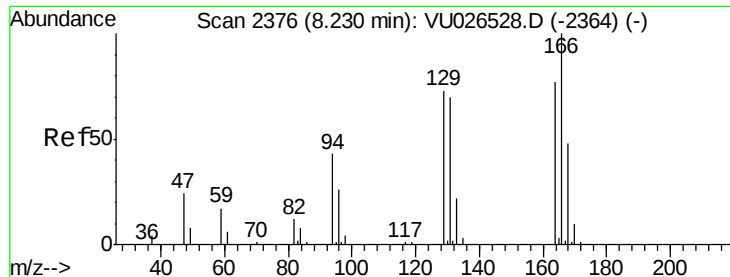
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#46

Tetrachloroethene

Concen: 97.184 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

BEE38

Tgt Ion:164 Resp: 79818

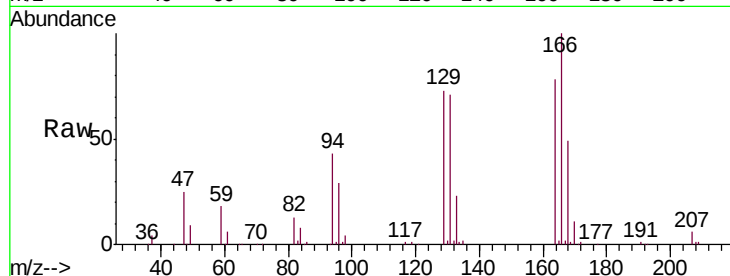
Ion Ratio Lower Upper

164 100

129 92.5 67.3 125.1

131 90.2 65.3 121.3

166 127.5 90.9 168.7

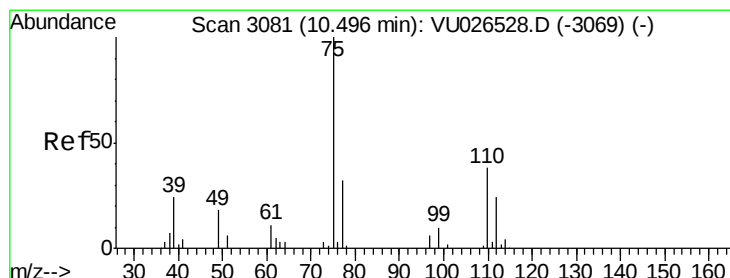
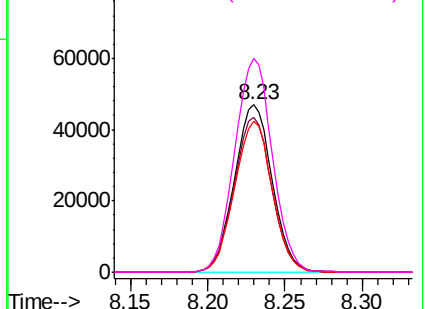
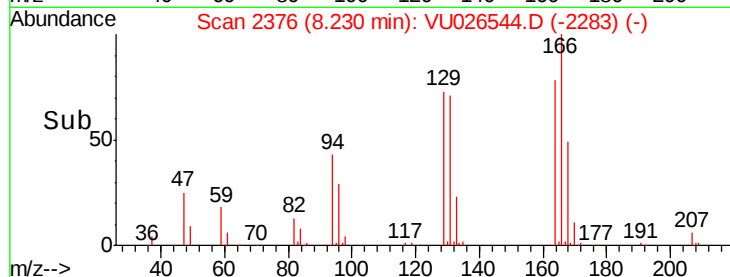


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.187 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026544.D

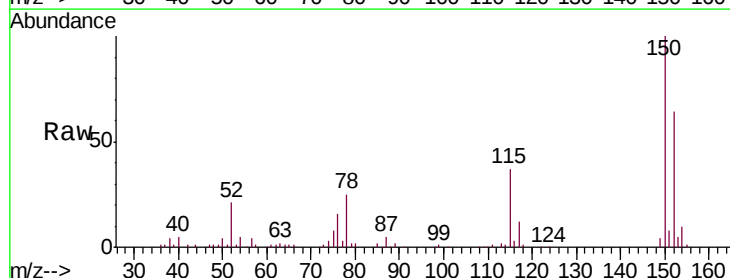
Acq: 05 Sep 2018 14:32

Tgt Ion: 75 Resp: 7176

Ion Ratio Lower Upper

75 100

77 36.5 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

