

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032862.D
 Acq On : 19 Jun 2019 16:53
 Operator : JC/SP
 Sample : K3413-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG4

Quant Time: Jun 20 07:27:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 07:24:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	97731	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	95018	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49366	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31195	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.68	69	25557	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.27	63	49073	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.18	46	102149	57.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.20%
24) Chloroform-d	4.64	84	64439	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	5.31	65	37366	6.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.60%
32) Benzene-d6	5.33	84	123084	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.32	67	39720	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.56	98	111253	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.85	79	16549	5.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.40%
46) 2-Hexanone-d5	8.31	63	79323	50.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34485	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	48201	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

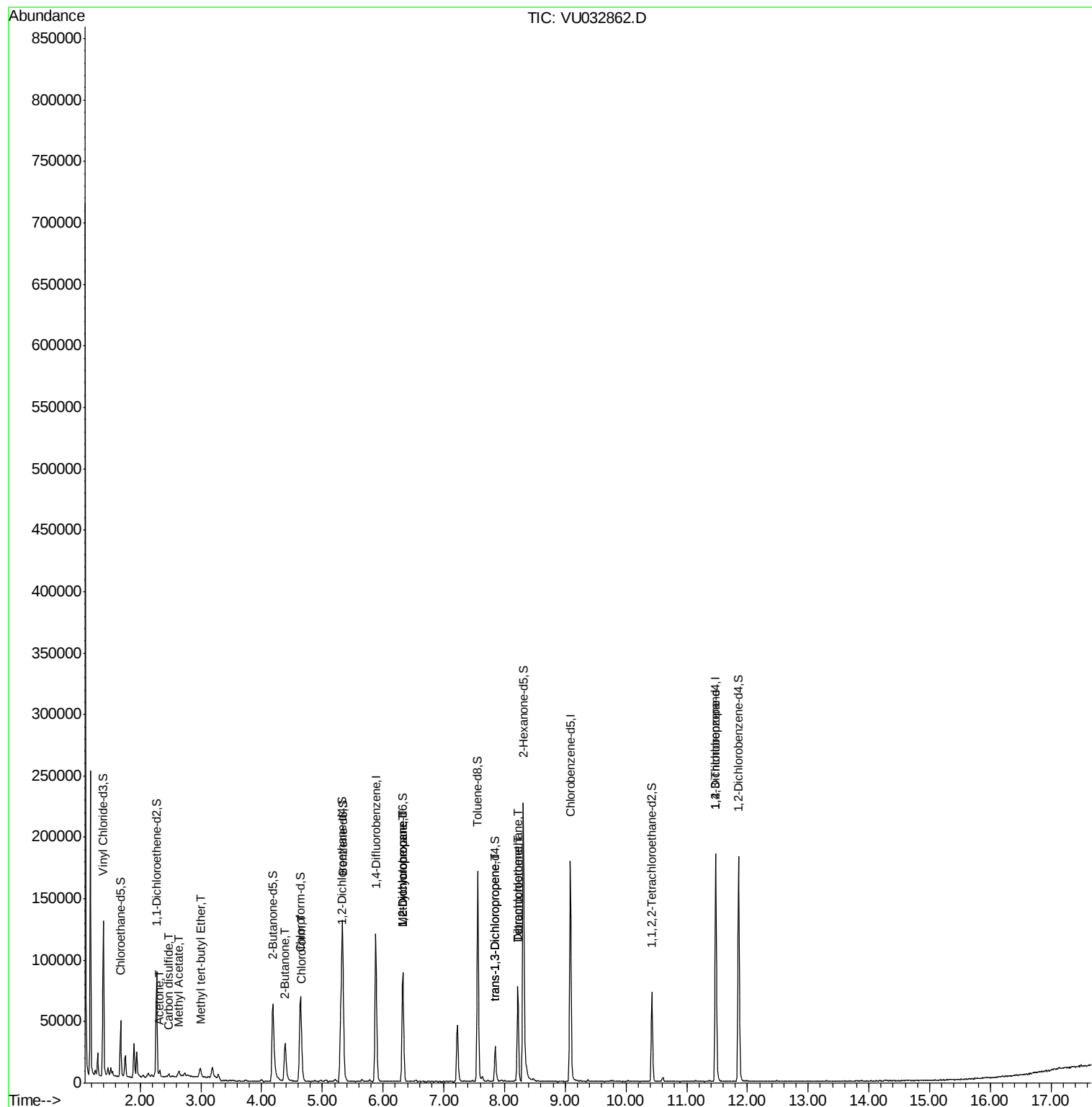
					Qvalue
13) Acetone	2.32	43	4388	3.188	ug/L 100
14) Carbon disulfide	2.47	76	2954	0.149	ug/L # 85
15) Methyl Acetate	2.63	43	1105	0.293	ug/L # 53
17) Methyl tert-butyl Ether	3.00	73	3337	0.184	ug/L # 1
21) 2-Butanone	4.39	43	46032	22.995	ug/L # 49
25) Chloroform	4.67	83	5503	0.449	ug/L 91
35) Methylcyclohexane	6.32	83	9592	0.740	ug/L # 19
37) 1,2-Dichloropropane	6.32	63	4697	0.648	ug/L # 89
44) trans-1,3-Dichloropropene	7.84	75	854	0.096	ug/L 97
47) Tetrachloroethene	8.22	164	16673	2.629	ug/L 94
49) Dibromochloromethane	8.22	129	15605	2.314	ug/L # 11
59) 1,2,3-Trichloropropane	11.48	75	6443	1.354	ug/L # 84

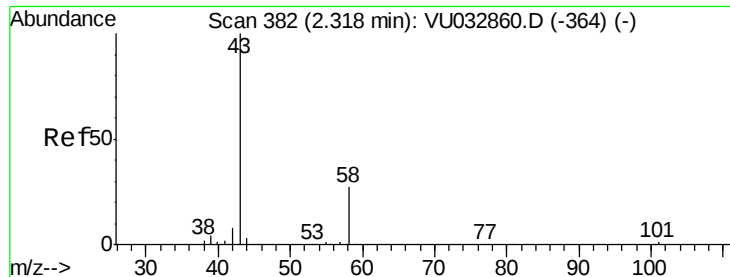
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.188 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032862.D

Acq: 19 Jun 2019 16:53

Instrument :

MSVOA_U

ClientSampled :

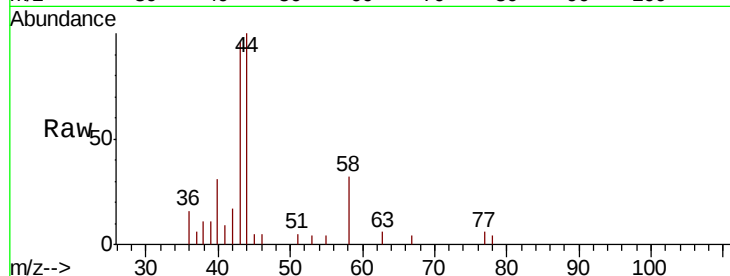
GALG4

Tgt Ion: 43 Resp: 4388

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032862.D (-364) (-)

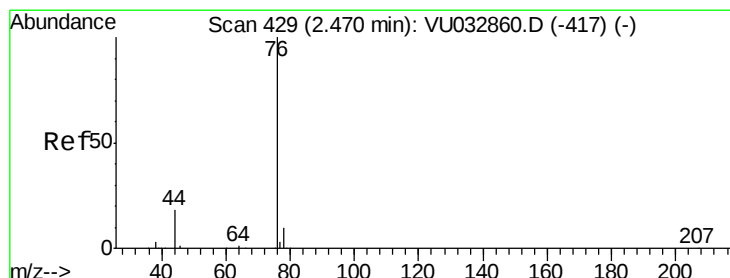
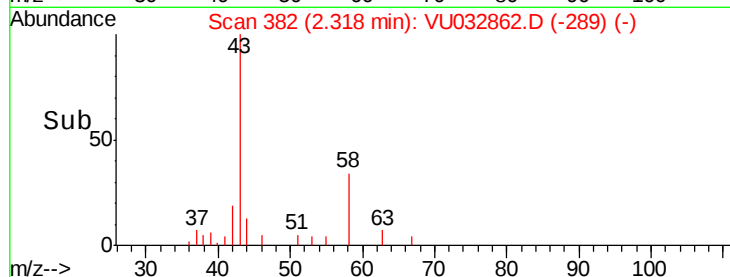
Ion 58.05 (57.75 to 58.75): VU032862.D (-364) (-)

2.32

2.30

2.35

Time-->



#14

Carbon disulfide

Concen: 0.149 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032862.D

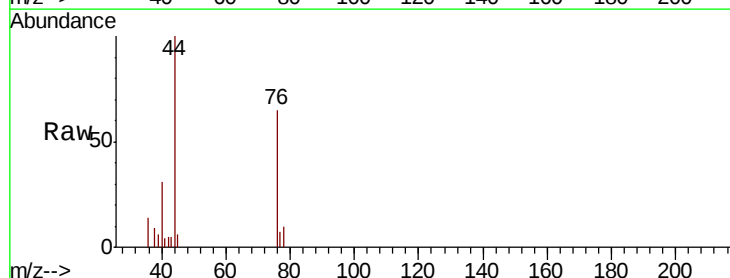
Acq: 19 Jun 2019 16:53

Tgt Ion: 76 Resp: 2954

Ion Ratio Lower Upper

76 100

78 14.7 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU032862.D (-336) (-)

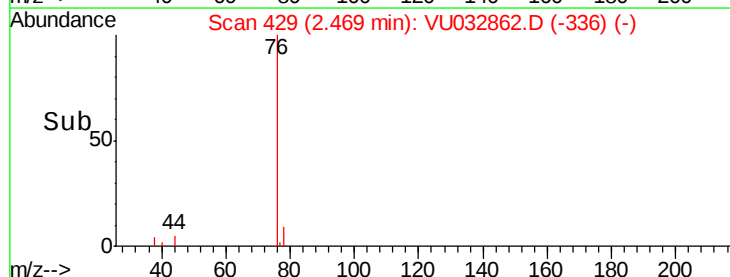
Ion 78.00 (77.70 to 78.70): VU032862.D (-336) (-)

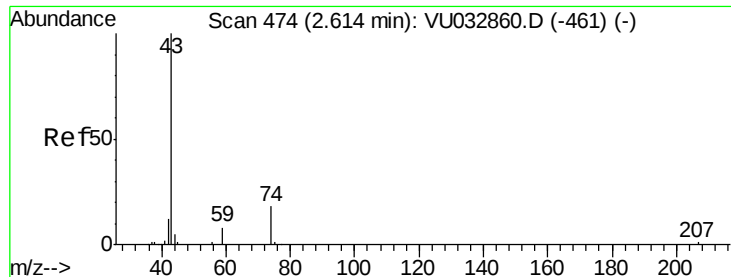
2.47

2.45

2.50

Time-->

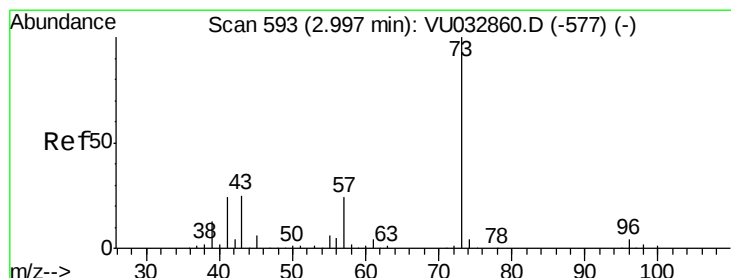
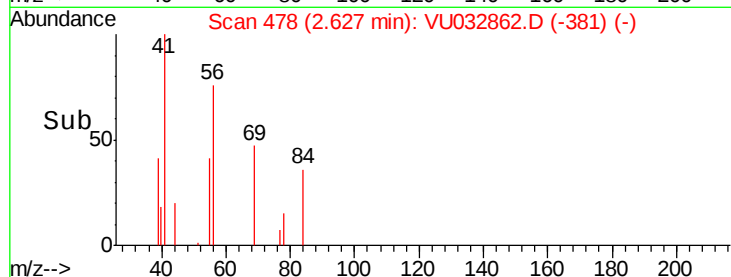
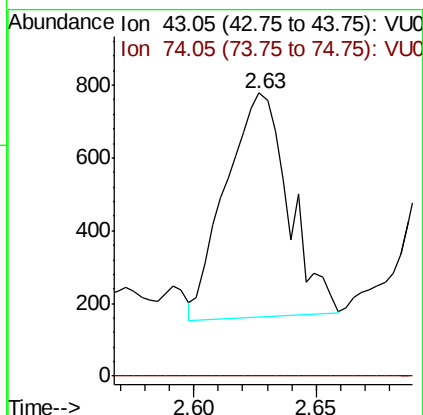
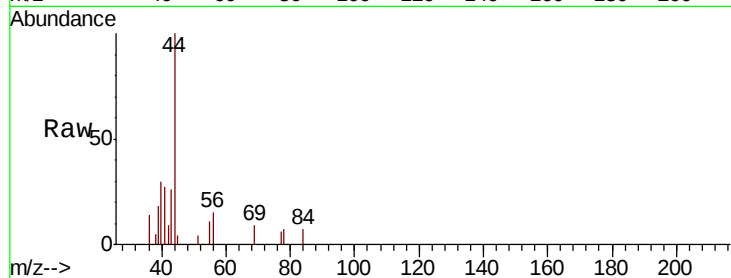




#15
Methyl Acetate
Concen: 0.293 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU032862.D
Acq: 19 Jun 2019 16:53

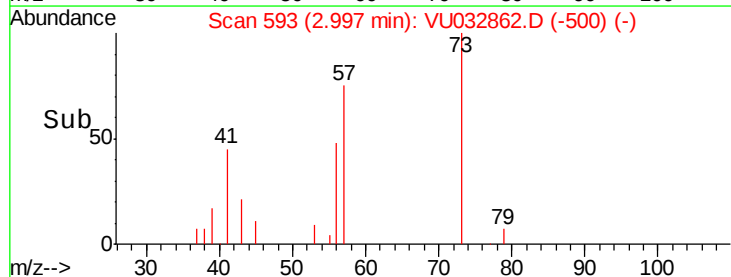
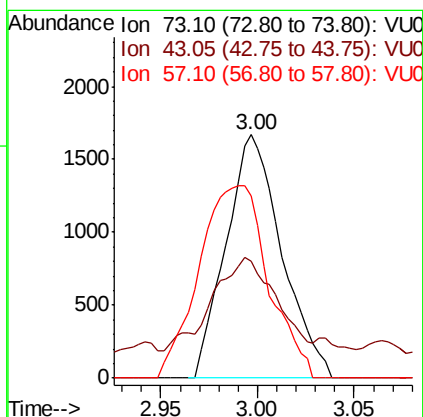
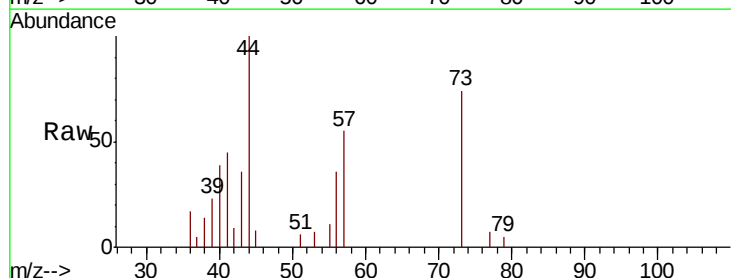
Instrument :
MSVOA_U
ClientSampleId :
GALG4

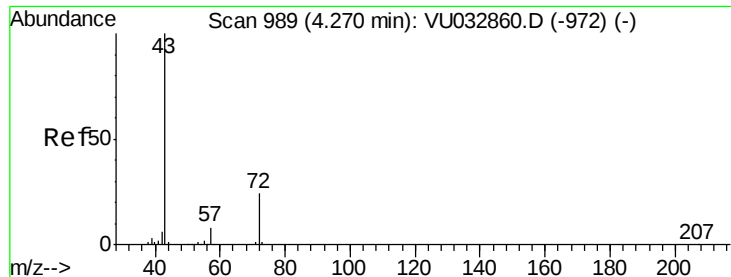
Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#17
Methyl tert-butyl Ether
Concen: 0.184 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032862.D
Acq: 19 Jun 2019 16:53

Tgt Ion: 73 Resp: 3337
Ion Ratio Lower Upper
73 100
43 46.1 18.6 27.8#
57 98.4 18.3 27.5#

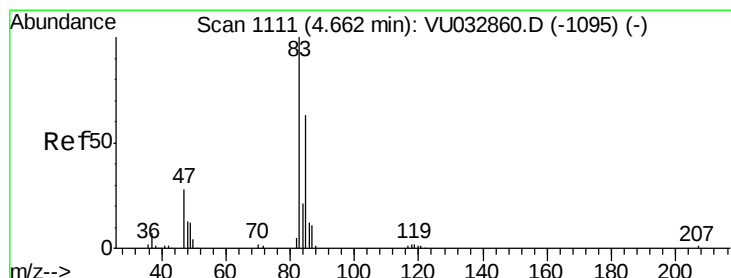
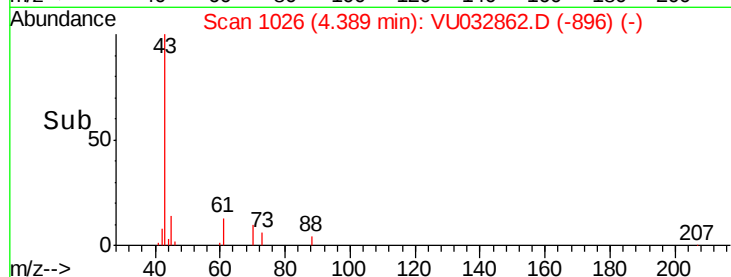
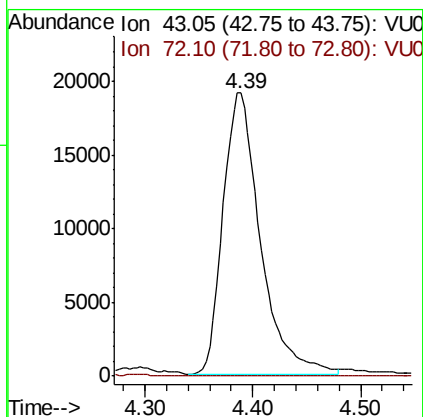
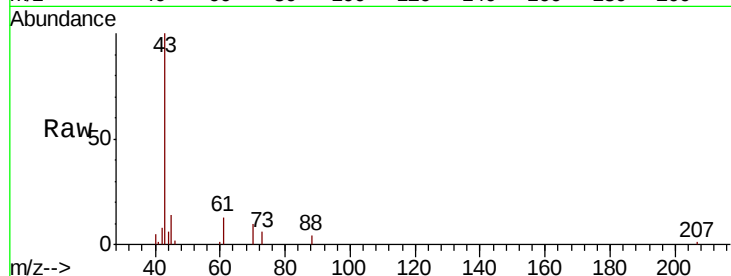




#21
2-Butanone
Concen: 22.995 ug/L
RT: 4.39 min Scan# 1026
Delta R.T. 0.12 min
Lab File: VU032862.D
Acq: 19 Jun 2019 16:53

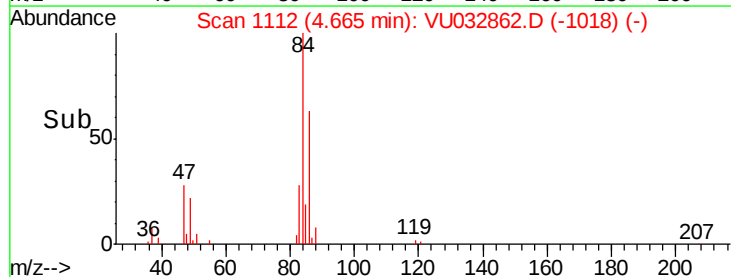
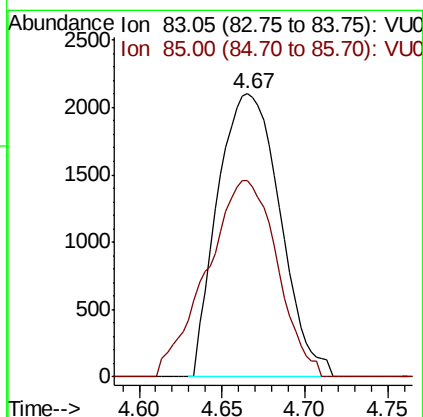
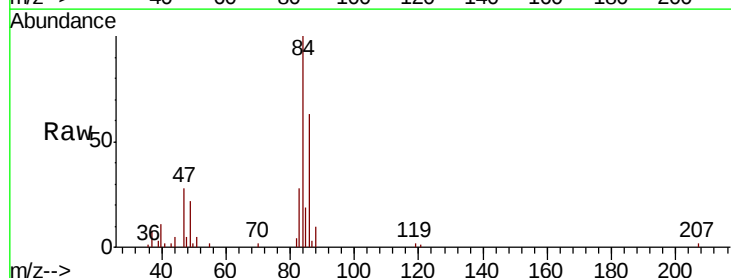
Instrument :
MSVOA_U
ClientSampled :
GALG4

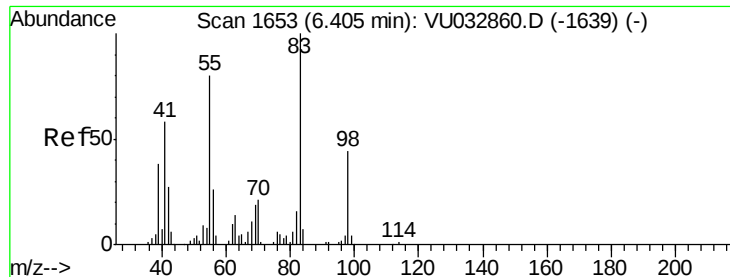
Tgt Ion: 43 Resp: 46032
Ion Ratio Lower Upper
43 100
72 0.3 13.1 39.3#



#25
Chloroform
Concen: 0.449 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032862.D
Acq: 19 Jun 2019 16:53

Tgt Ion: 83 Resp: 5503
Ion Ratio Lower Upper
83 100
85 69.6 43.8 81.3





#35

Methylcyclohexane

Concen: 0.740 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032862.D

Acq: 19 Jun 2019 16:53

Instrument :

MSVOA_U

ClientSampleId :

GALG4

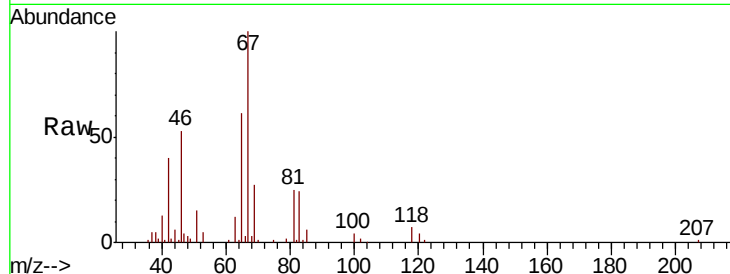
Tgt Ion: 83 Resp: 9592

Ion Ratio Lower Upper

83 100

55 0.2 60.0 90.0#

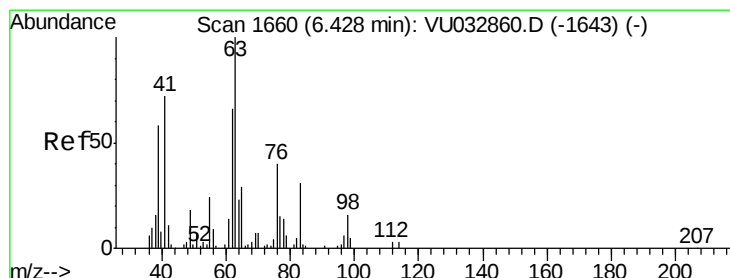
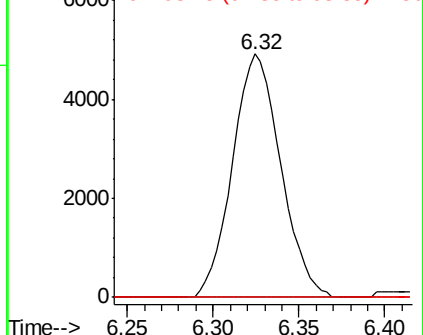
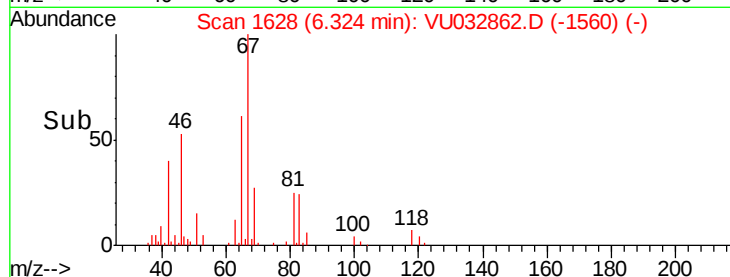
98 0.5 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU032862.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU032862.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU032862.D (-1560) (-)



#37

1,2-Dichloropropane

Concen: 0.648 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032862.D

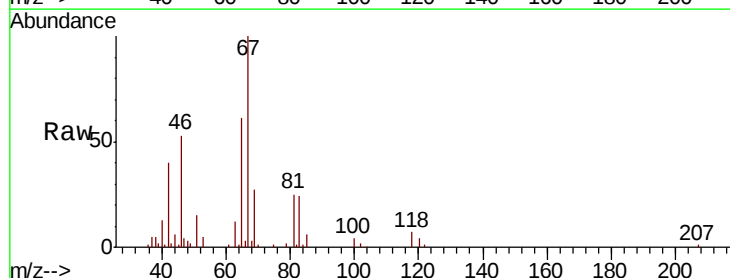
Acq: 19 Jun 2019 16:53

Tgt Ion: 63 Resp: 4697

Ion Ratio Lower Upper

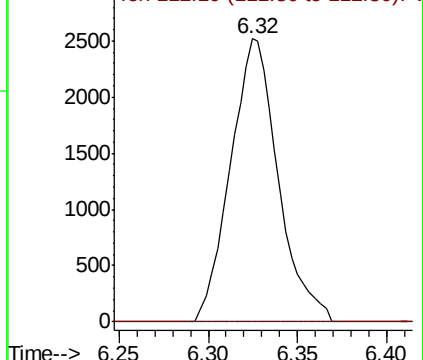
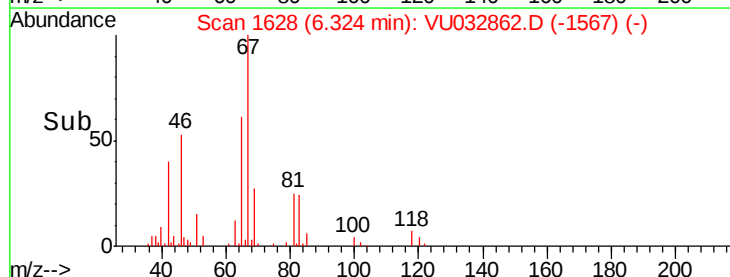
63 100

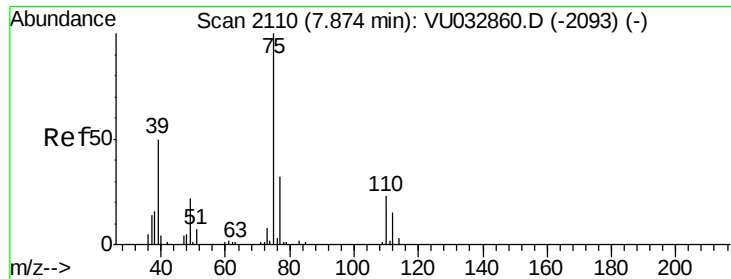
112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032862.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VU032862.D (-1567) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.04 min

Lab File: VU032862.D

Acq: 19 Jun 2019 16:53

Instrument :

MSVOA_U

ClientSampleId :

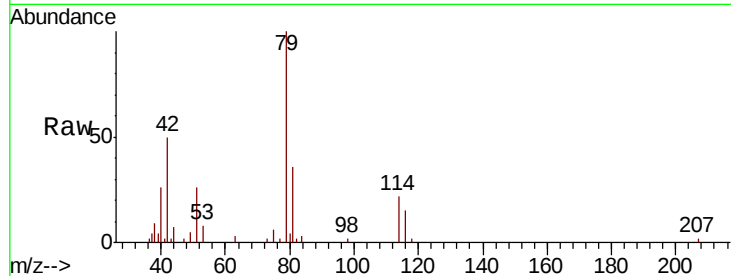
GALG4

Tgt Ion: 75 Resp: 854

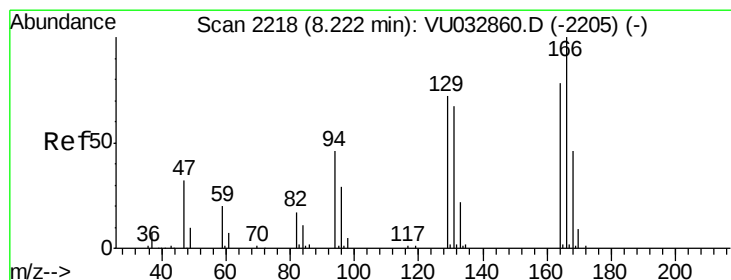
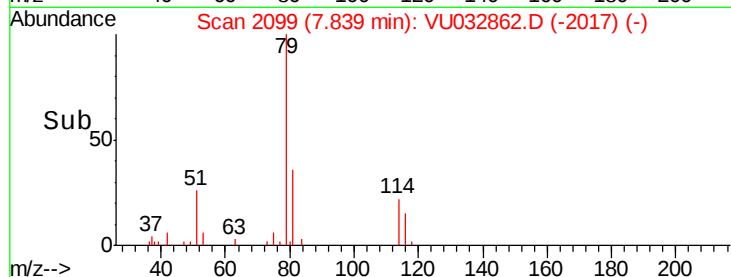
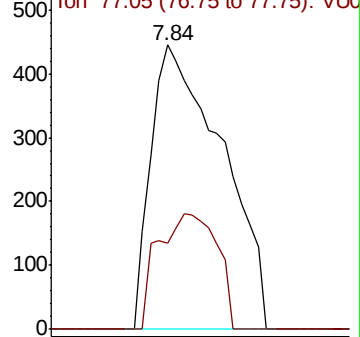
Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032862.D (-2093) (-)



#47

Tetrachloroethene

Concen: 2.629 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032862.D

Acq: 19 Jun 2019 16:53

Tgt Ion: 164 Resp: 16673

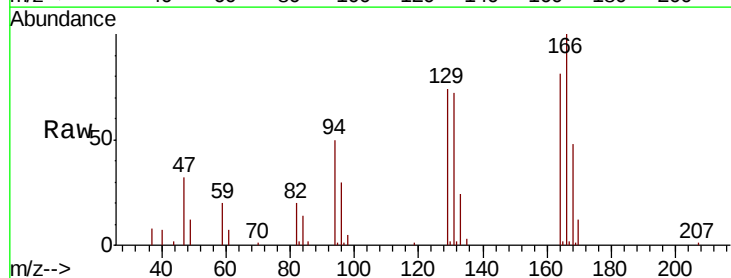
Ion Ratio Lower Upper

164 100

129 91.1 66.1 122.7

131 88.2 65.6 121.8

166 122.7 93.2 173.2

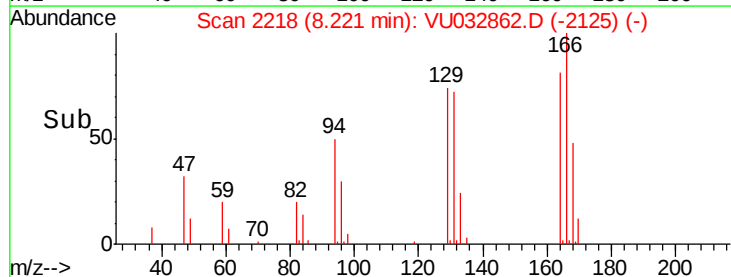
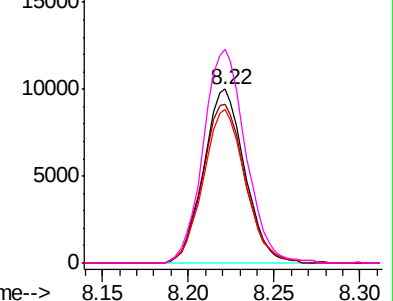


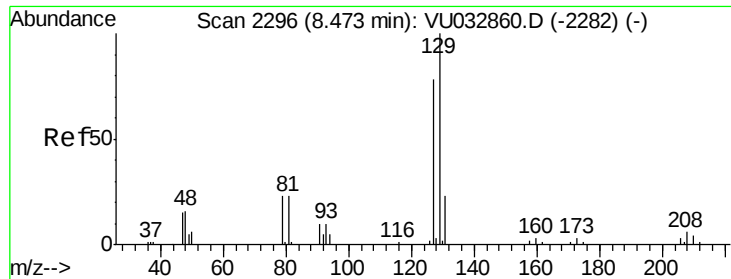
Abundance Ion 163.90 (163.60 to 164.60): VU032862.D (-2218) (-)

Ion 128.95 (128.65 to 129.65): VU032862.D (-2218) (-)

Ion 130.95 (130.65 to 131.65): VU032862.D (-2218) (-)

Ion 165.90 (165.60 to 166.60): VU032862.D (-2218) (-)





#49

Dibromochloromethane

Concen: 2.314 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032862.D

Acq: 19 Jun 2019 16:53

Instrument :

MSVOA_U

ClientSampleId :

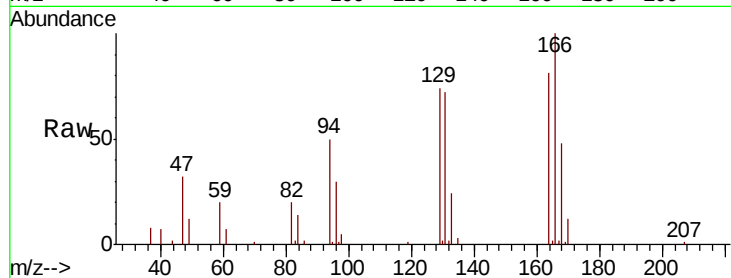
GALG4

Tgt Ion:129 Resp: 15605

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

10000

8000

6000

4000

2000

0

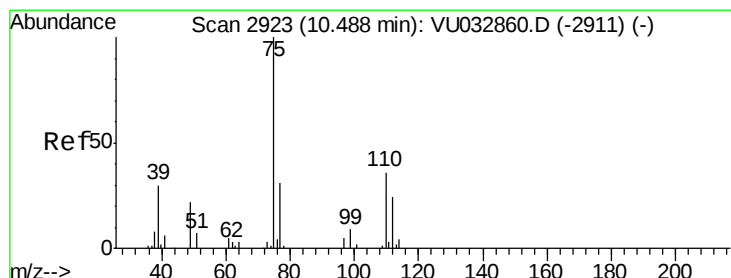
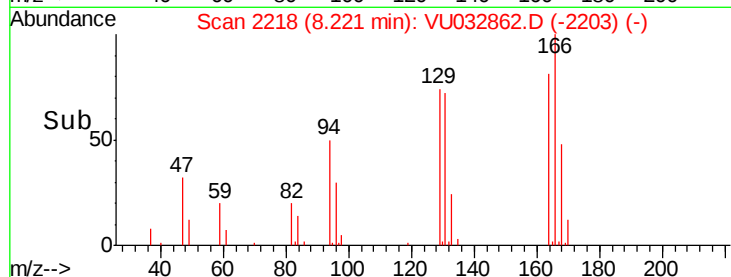
Time-->

8.15

8.20

8.25

8.30



#59

1,2,3-Trichloropropane

Concen: 1.354 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032862.D

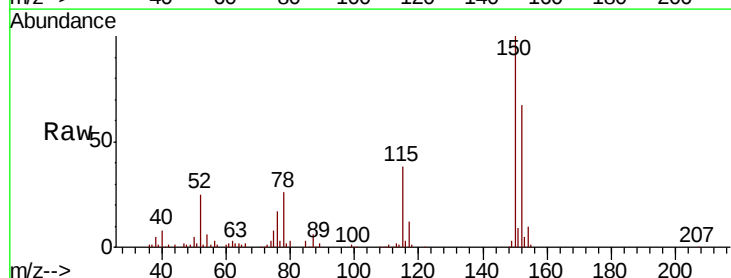
Acq: 19 Jun 2019 16:53

Tgt Ion: 75 Resp: 6443

Ion Ratio Lower Upper

75 100

77 40.7 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

4000

3000

2000

1000

0

Time-->

11.45

11.50

