

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032858.D
 Acq On : 19 Jun 2019 15:11
 Operator : JC/SP
 Sample : K3413-24
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALH0

Quant Time: Jun 20 05:18:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 05:14:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	92833	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	90505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46571	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28953	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.68	69	24830	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.27	63	47882	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.19	46	100656	59.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.50%
24) Chloroform-d	4.64	84	60387	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.30	65	36397	6.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.80%
32) Benzene-d6	5.33	84	116689	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.32	67	38370	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.56	98	106394	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.85	79	15093	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.31	63	76176	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33567	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	45573	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

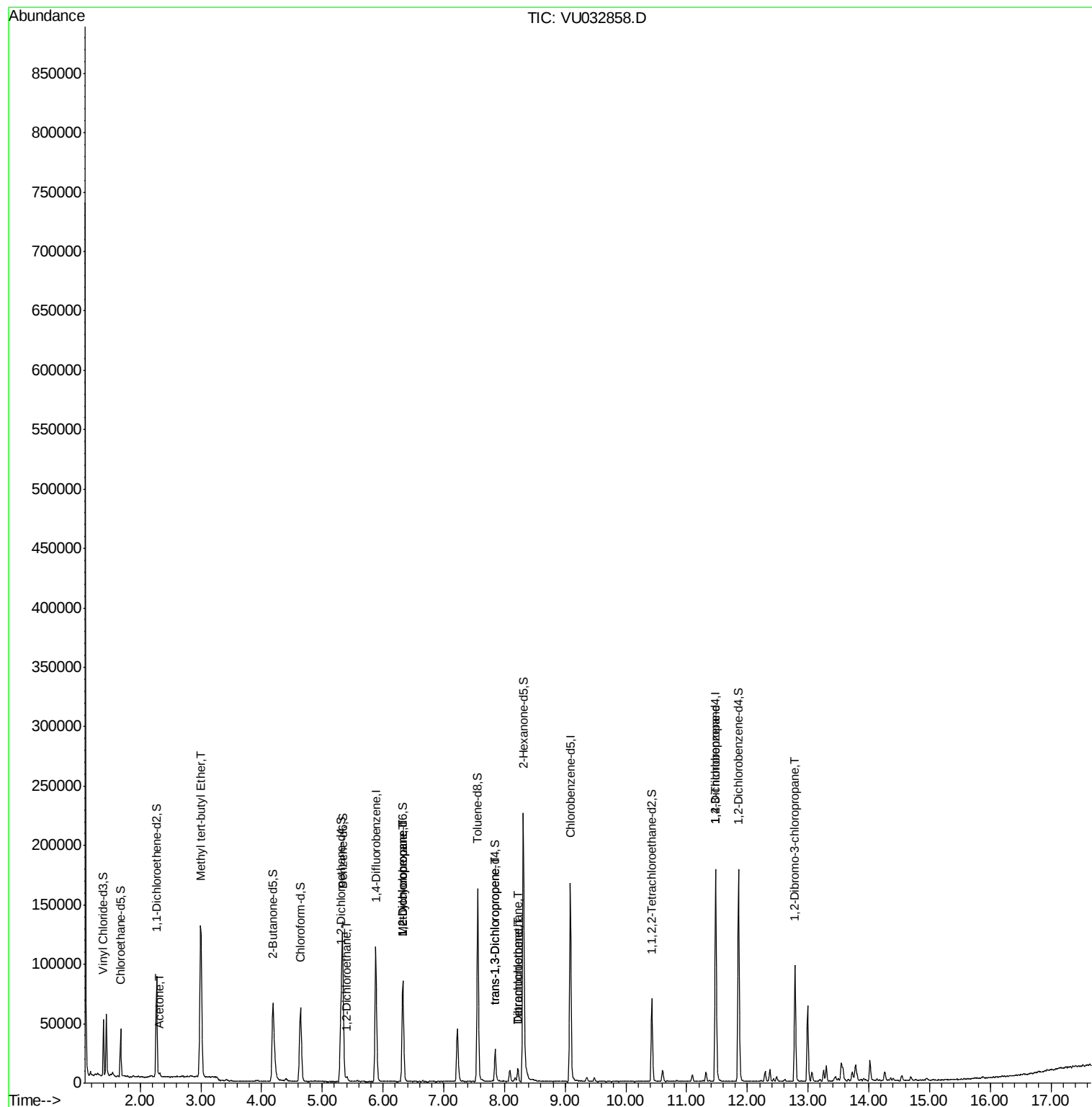
					Qvalue
13) Acetone	2.32	43	2805	2.146 ug/L	87
17) Methyl tert-butyl Ether	3.00	73	125080	7.251 ug/L	99
27) 1,2-Dichloroethane	5.40	62	3596	0.470 ug/L	97
35) Methylcyclohexane	6.32	83	8946	0.725 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	4791	0.694 ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	810	0.096 ug/L	95
47) Tetrachloroethene	8.22	164	2281	0.378 ug/L	95
49) Dibromochloromethane	8.22	129	2136	0.332 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	6058	1.336 ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.78	75	678	0.657 ug/L #	1

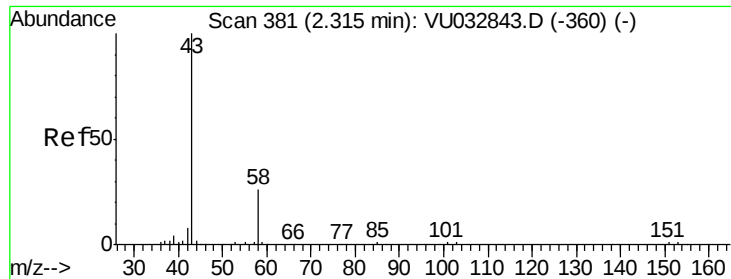
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 05:14:15 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.146 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032858.D

Acq: 19 Jun 2019 15:11

Instrument :

MSVOA_U

ClientSampleId :

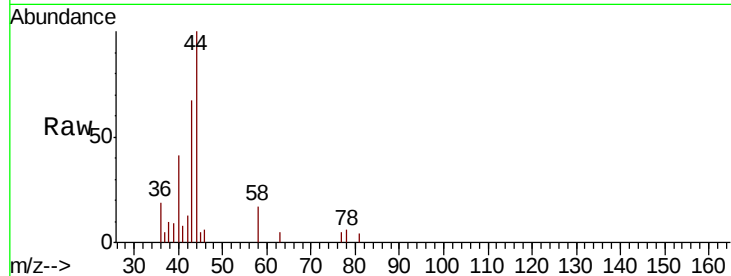
GALH0

Tgt Ion: 43 Resp: 2805

Ion Ratio Lower Upper

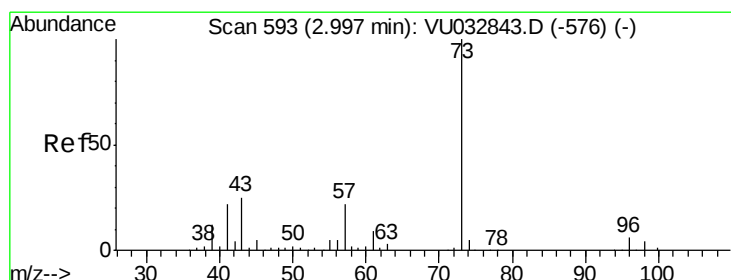
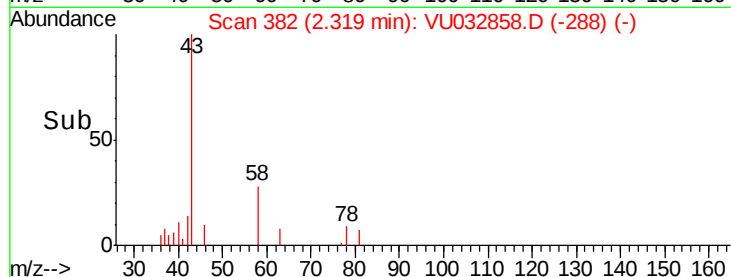
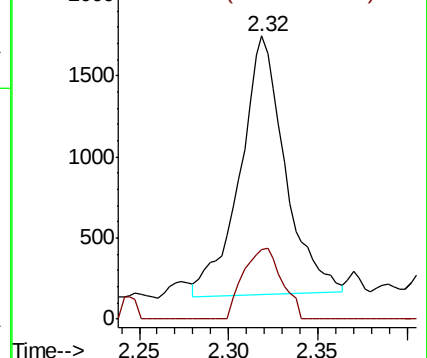
43 100

58 23.5 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032843.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU032843.D (-360) (-)



#17

Methyl tert-butyl Ether

Concen: 7.251 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU032858.D

Acq: 19 Jun 2019 15:11

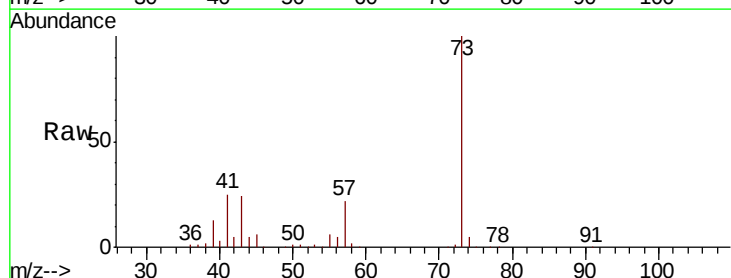
Tgt Ion: 73 Resp: 125080

Ion Ratio Lower Upper

73 100

43 23.9 18.6 27.8

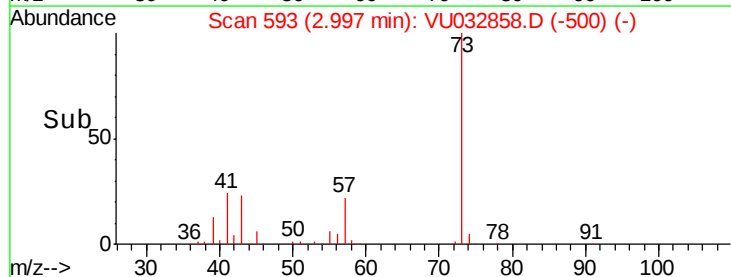
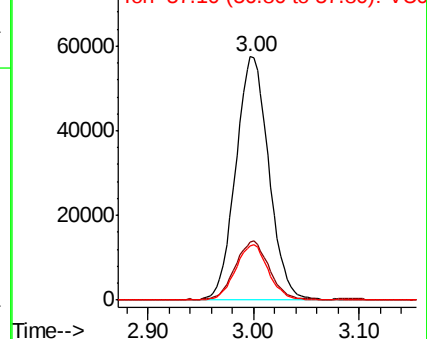
57 22.5 18.3 27.5

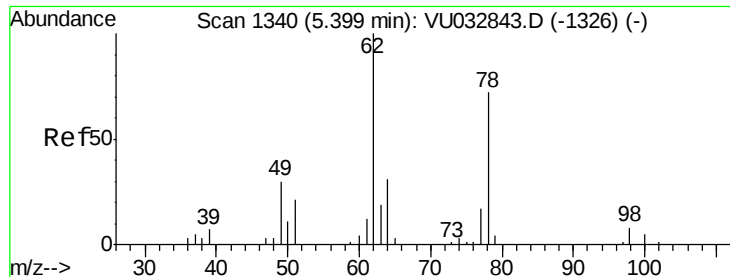


Abundance Ion 73.10 (72.80 to 73.80): VU032843.D (-576) (-)

Ion 43.05 (42.75 to 43.75): VU032843.D (-576) (-)

Ion 57.10 (56.80 to 57.80): VU032843.D (-576) (-)

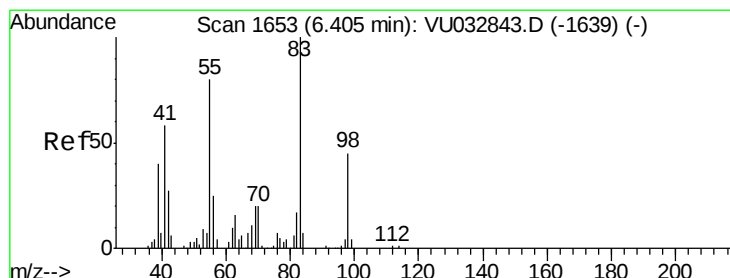
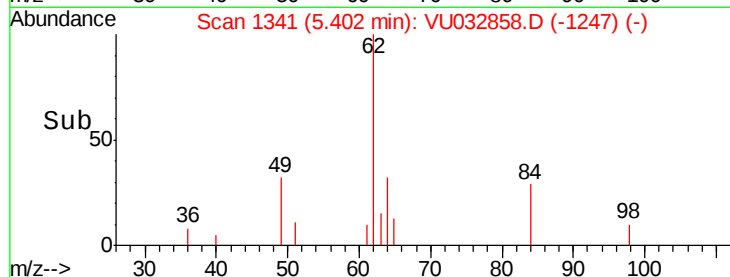
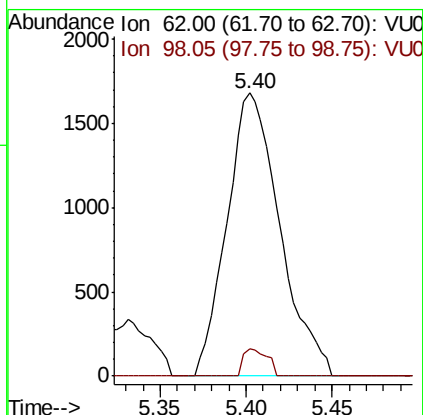
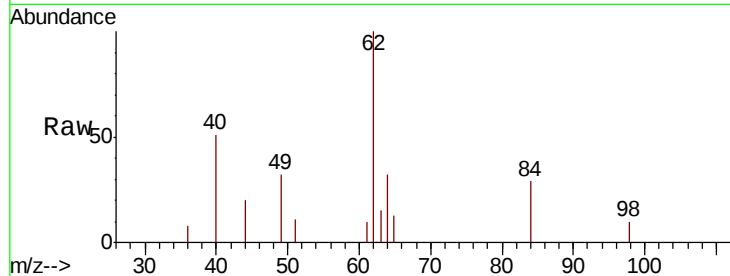




#27
 1,2-Dichloroethane
 Concen: 0.470 ug/L
 RT: 5.40 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VU032858.D
 Acq: 19 Jun 2019 15:11

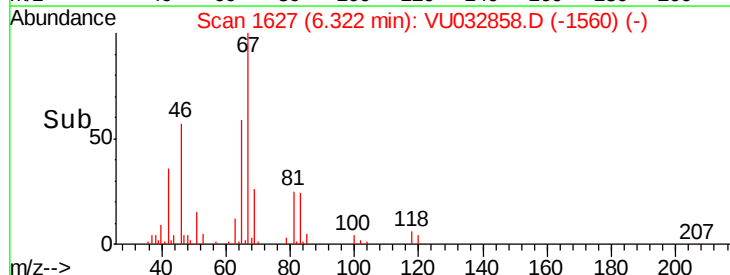
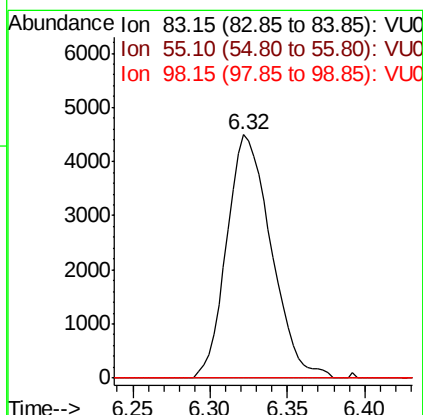
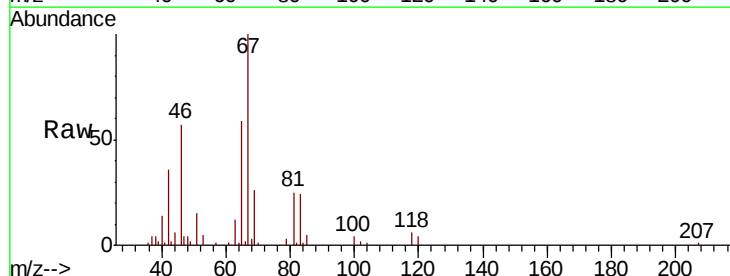
Instrument :
 MSVOA_U
 ClientSampleId :
 GALH0

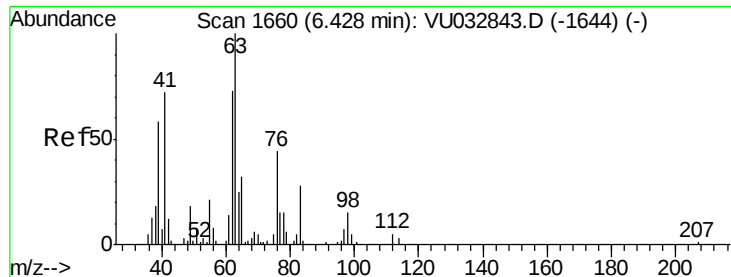
Tgt Ion: 62 Resp: 3596
 Ion Ratio Lower Upper
 62 100
 98 9.8 7.0 10.6



#35
 Methylcyclohexane
 Concen: 0.725 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.08 min
 Lab File: VU032858.D
 Acq: 19 Jun 2019 15:11

Tgt Ion: 83 Resp: 8946
 Ion Ratio Lower Upper
 83 100
 55 0.2 60.0 90.0#
 98 0.0 37.8 56.8#





#37

1,2-Dichloropropane

Concen: 0.694 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032858.D

Acq: 19 Jun 2019 15:11

Instrument :

MSVOA_U

ClientSampleId :

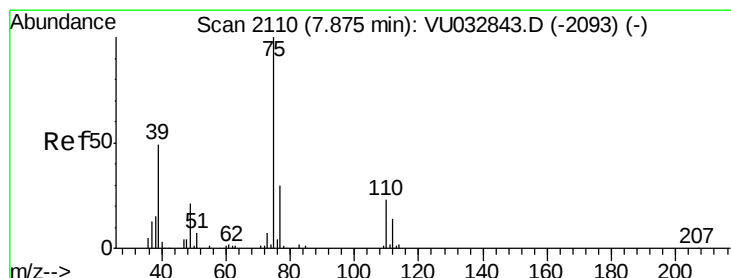
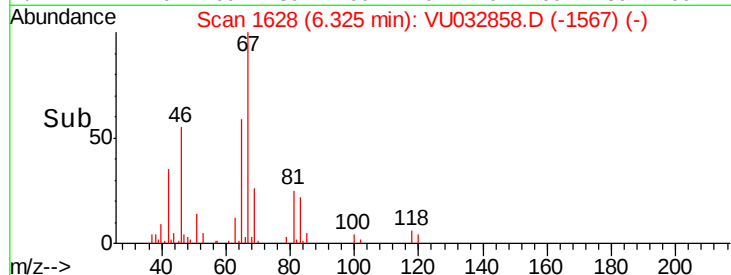
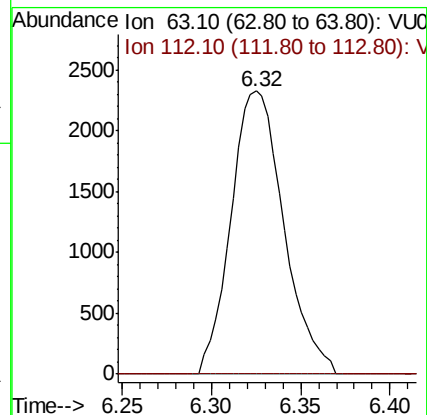
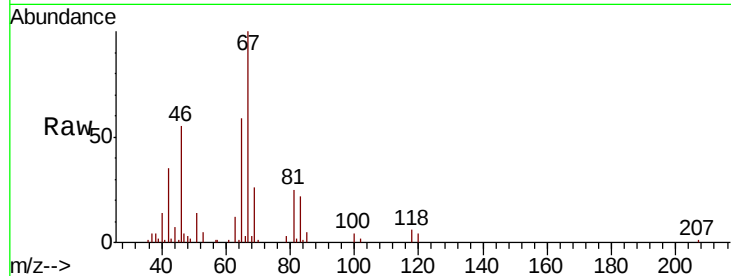
GALH0

Tgt Ion: 63 Resp: 4791

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032858.D

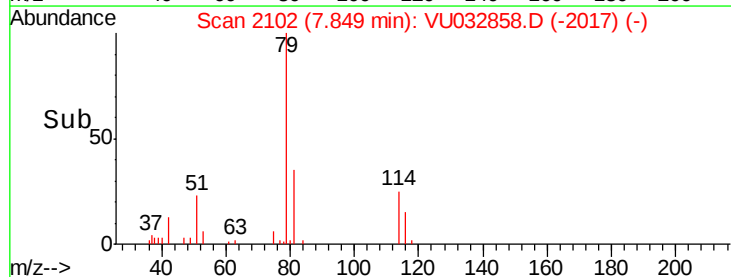
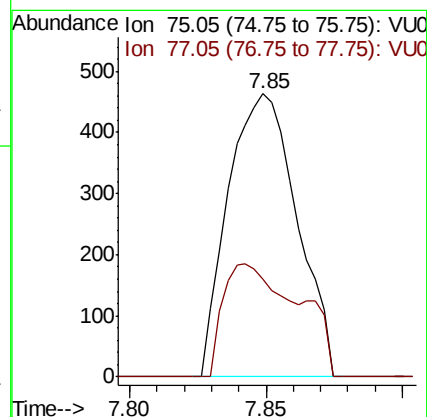
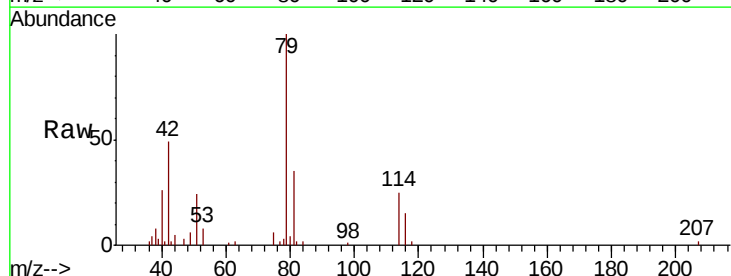
Acq: 19 Jun 2019 15:11

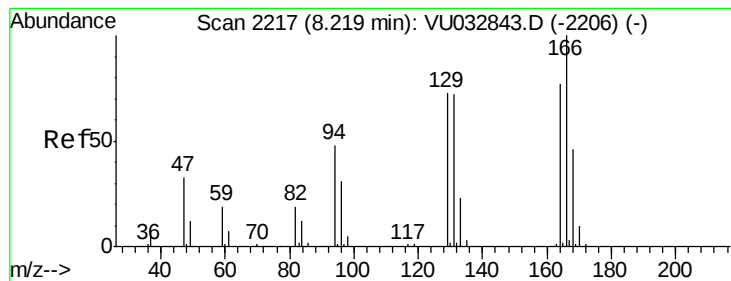
Tgt Ion: 75 Resp: 810

Ion Ratio Lower Upper

75 100

77 34.8 22.5 41.7





#47

Tetrachloroethene

Concen: 0.378 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032858.D

Acq: 19 Jun 2019 15:11

Instrument :

MSVOA_U

ClientSampleId :

GALH0

Tgt Ion:164 Resp: 2281

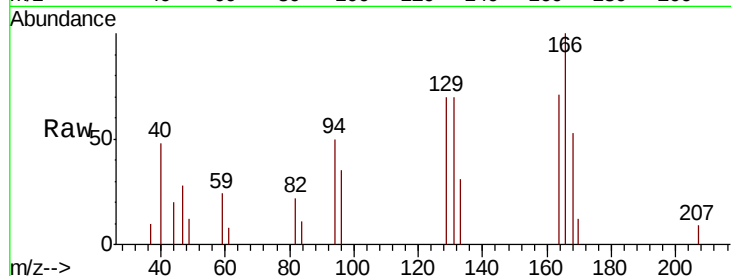
Ion Ratio Lower Upper

164 100

129 98.3 66.1 122.7

131 98.3 65.6 121.8

166 139.9 93.2 173.2

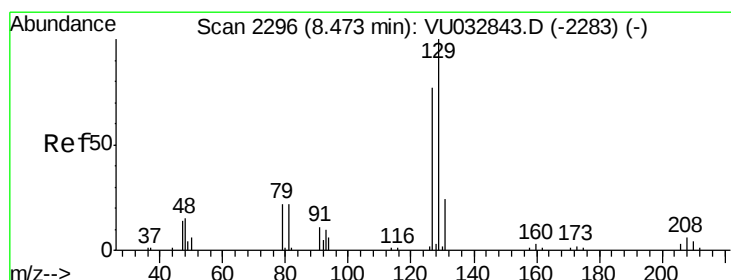
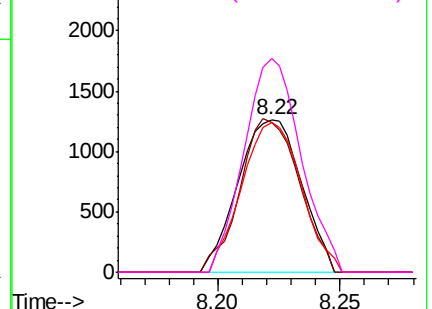
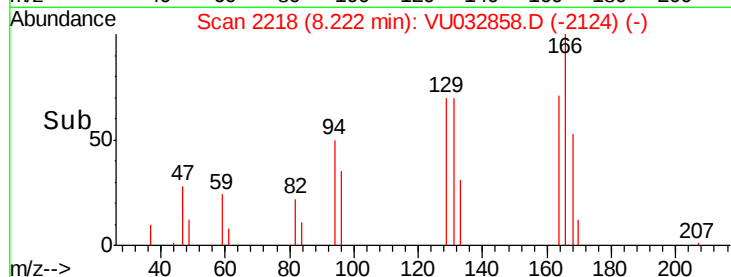


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.332 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU032858.D

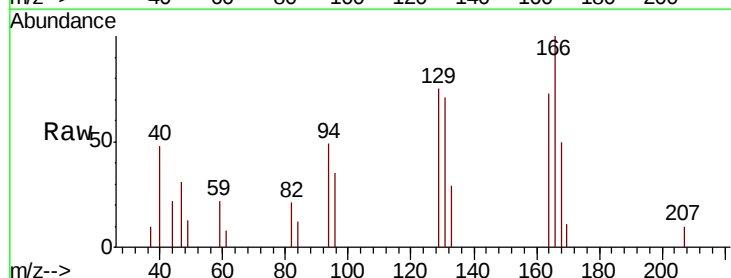
Acq: 19 Jun 2019 15:11

Tgt Ion:129 Resp: 2136

Ion Ratio Lower Upper

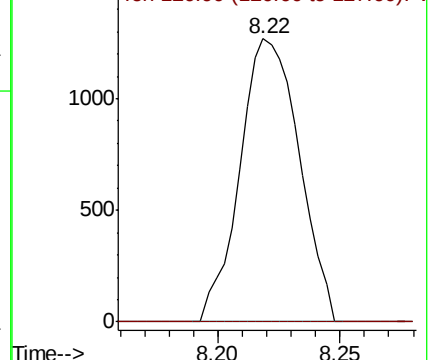
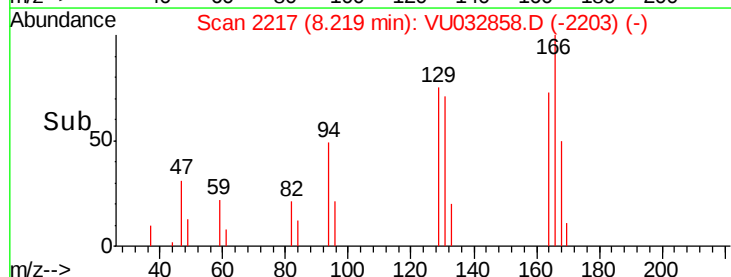
129 100

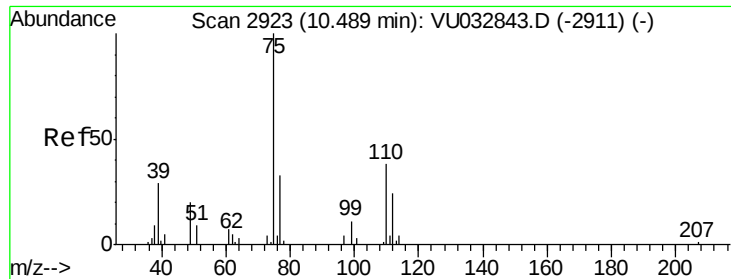
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

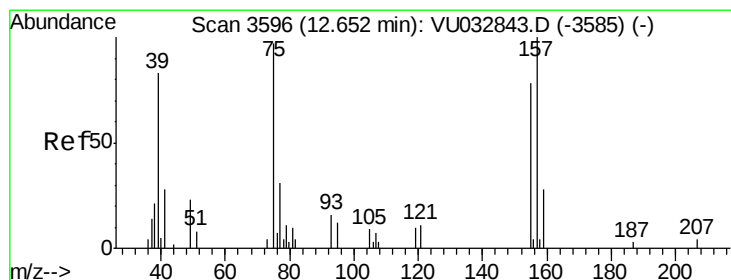
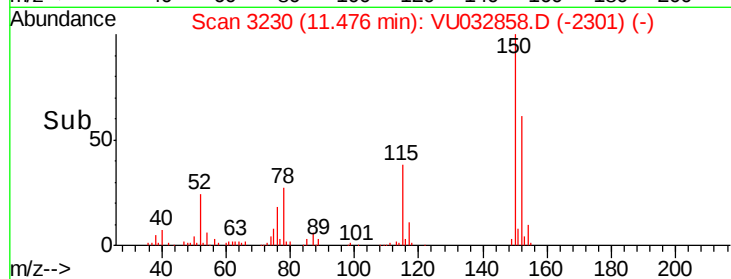
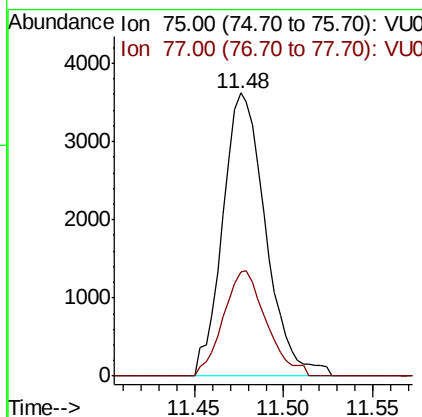
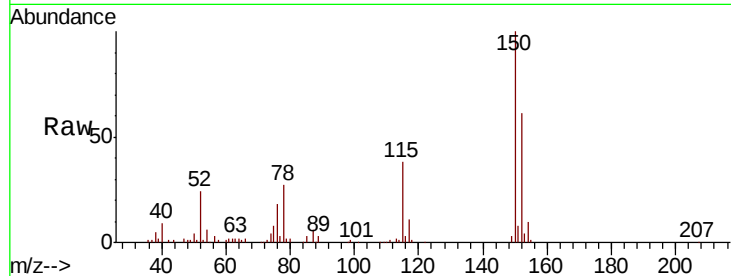




#59
 1,2,3-Trichloropropane
 Concen: 1.336 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU032858.D
 Acq: 19 Jun 2019 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 GALH0

Tgt Ion: 75 Resp: 6058
 Ion Ratio Lower Upper
 75 100
 77 37.2 25.3 37.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.657 ug/L
 RT: 12.78 min Scan# 3636
 Delta R.T. 0.13 min
 Lab File: VU032858.D
 Acq: 19 Jun 2019 15:11

Tgt Ion: 75 Resp: 678
 Ion Ratio Lower Upper
 75 100
 155 0.0 72.3 108.5#
 157 0.0 87.4 131.0#

