

Data File : VU032165.D
Acq On : 20 May 2019 19:29
Operator : JC/SP
Sample : K2889-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BL8

Quant Time: May 21 08:34:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	355102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	374722	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	149183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99617	3.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.60%
7) Chloroethane-d5	1.67	69	91314	3.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.40%
11) 1,1-Dichloroethene-d2	2.27	63	140627	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.19	46	235228	40.06	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.12%
24) Chloroform-d	4.64	84	200294	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.20%
26) 1,2-Dichloroethane-d4	5.31	65	104772	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
32) Benzene-d6	5.33	84	402500	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.40%
36) 1,2-Dichloropropane-d6	6.32	67	120346	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.00%
41) Toluene-d8	7.56	98	330420	3.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.60%#
43) trans-1,3-Dichloropropene-	7.85	79	39493	3.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.60%
46) 2-Hexanone-d5	8.31	63	205362	37.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109753	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	130202	4.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.40%

Target Compounds

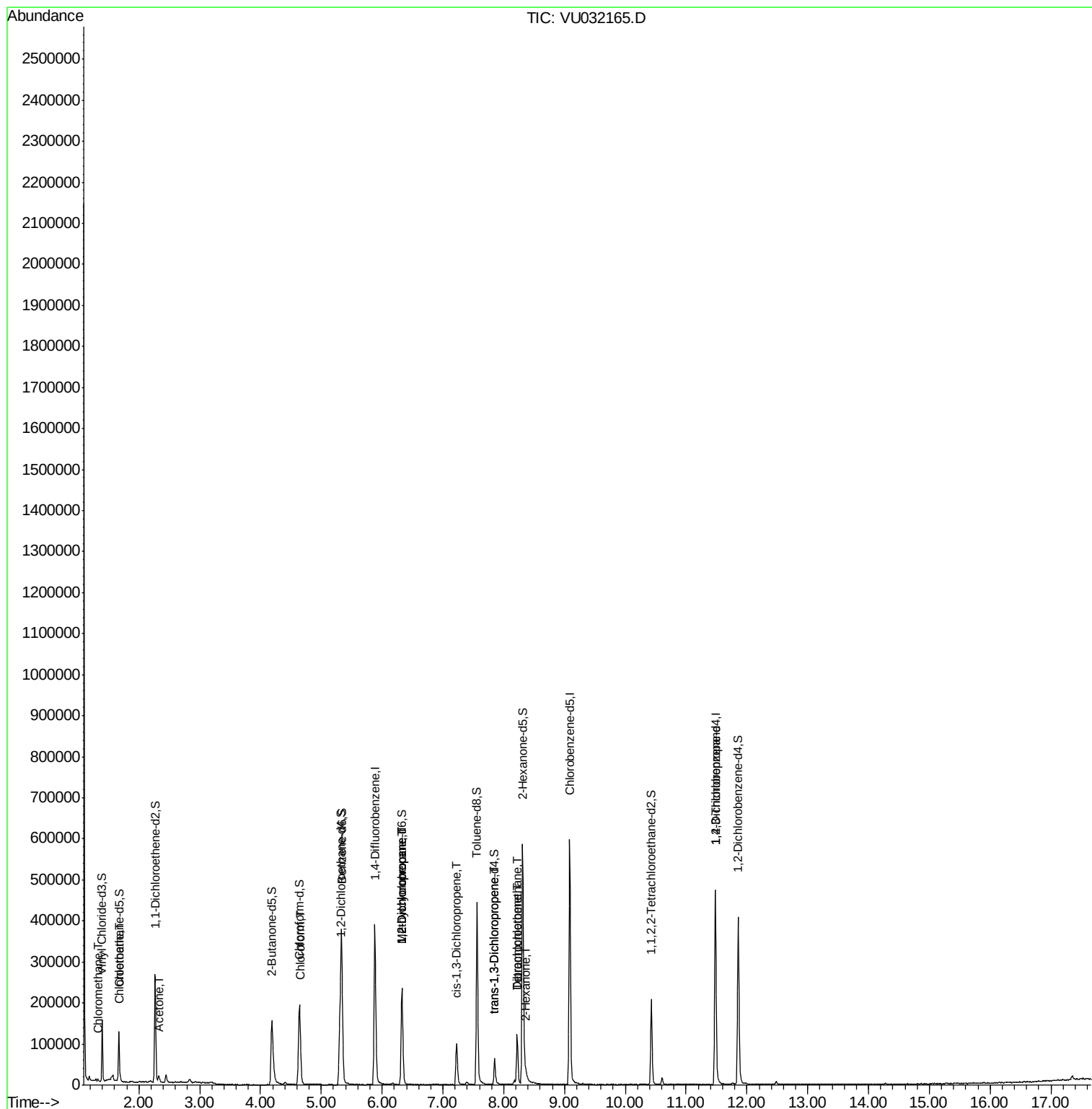
					Qvalue
3) Chloromethane	1.33	50	4966	0.291	ug/L 100
8) Chloroethane	1.69	64	976	0.088	ug/L # 59
13) Acetone	2.32	43	9317	4.833	ug/L 97
25) Chloroform	4.66	83	6080	0.235	ug/L 93
35) Methylcyclohexane	6.32	83	30041	1.337	ug/L # 20
37) 1,2-Dichloropropane	6.32	63	12898	0.917	ug/L # 87
39) cis-1,3-Dichloropropene	7.22	75	2911	0.150	ug/L # 67
44) trans-1,3-Dichloropropene	7.85	75	1624	0.107	ug/L 85
47) Tetrachloroethene	8.22	164	31290	2.682	ug/L 94
48) 2-Hexanone	8.37	43	6869	1.358	ug/L # 78
49) Dibromochloromethane	8.22	129	28482	2.378	ug/L # 10
59) 1,2,3-Trichloropropane	11.48	75	14643	1.639	ug/L 90

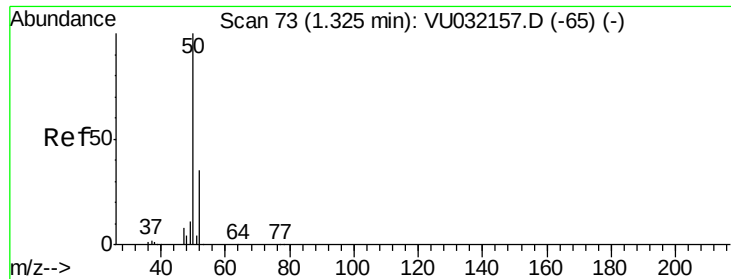
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.291 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032165.D

Acq: 20 May 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

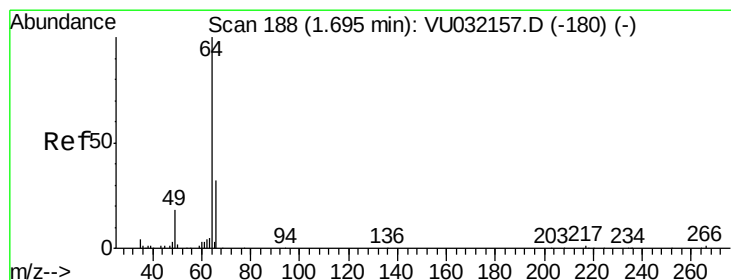
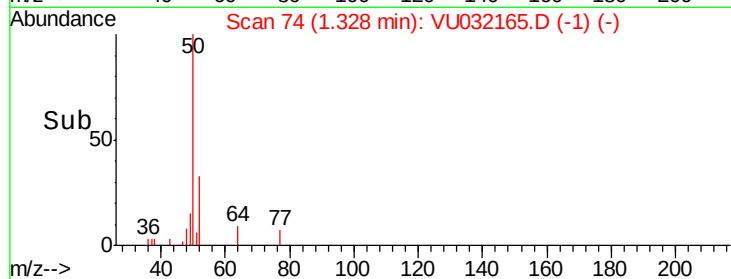
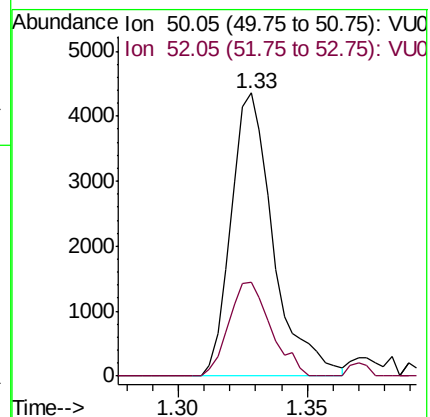
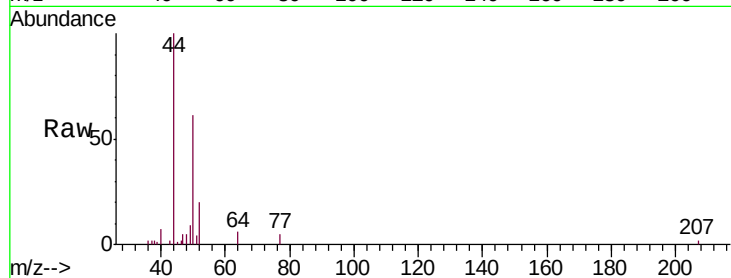
C0BL8

Tgt Ion: 50 Resp: 4966

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.0



#8

Chloroethane

Concen: 0.088 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU032165.D

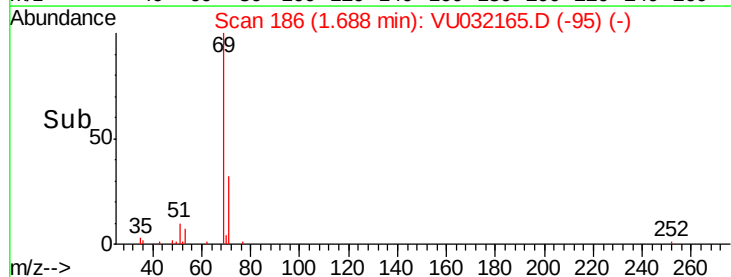
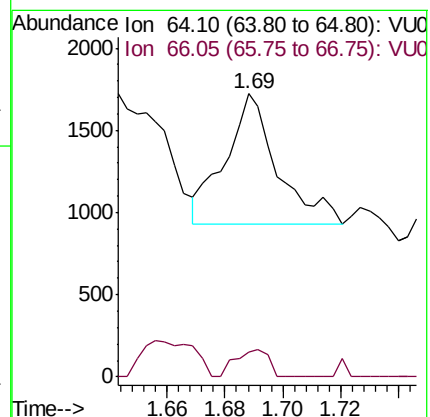
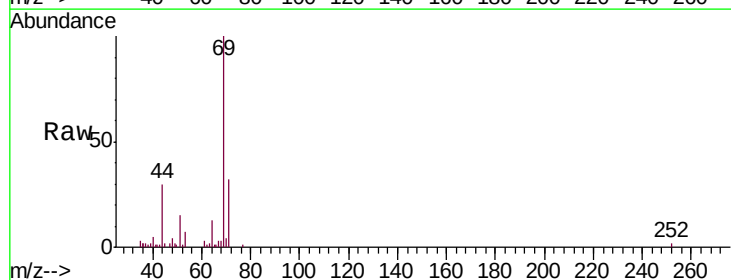
Acq: 20 May 2019 19:29

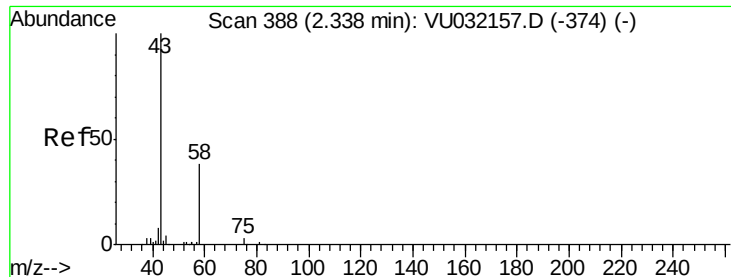
Tgt Ion: 64 Resp: 976

Ion Ratio Lower Upper

64 100

66 8.7 22.0 41.0#





#13

Acetone

Concen: 4.833 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.02 min

Lab File: VU032165.D

Acq: 20 May 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

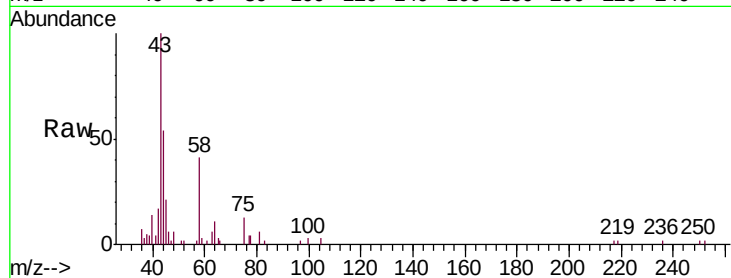
C0BL8

Tgt Ion: 43 Resp: 9317

Ion Ratio Lower Upper

43 100

58 41.2 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032157.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032157.D (-374) (-)

2.32

6000

5000

4000

3000

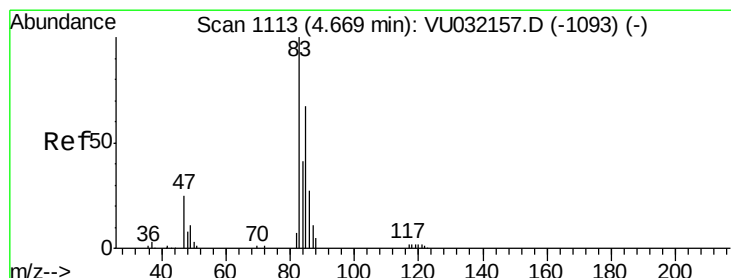
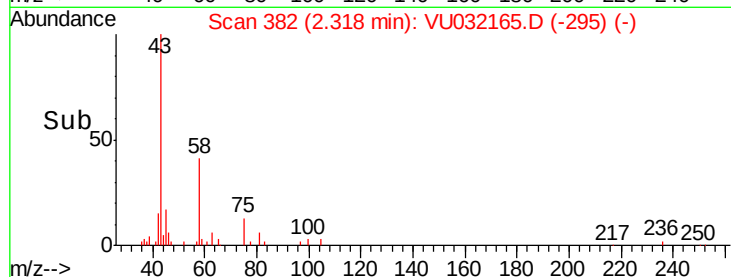
2000

1000

0

Time-->

2.30 2.35



#25

Chloroform

Concen: 0.235 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU032165.D

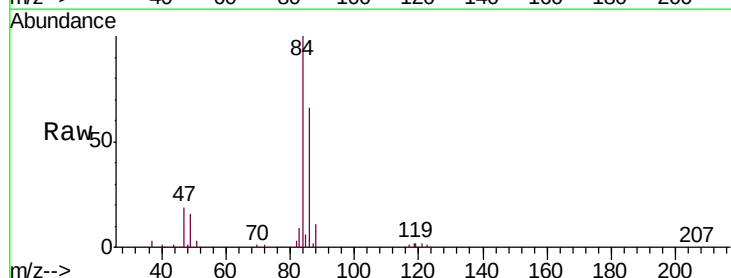
Acq: 20 May 2019 19:29

Tgt Ion: 83 Resp: 6080

Ion Ratio Lower Upper

83 100

85 69.6 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU032157.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU032157.D (-1093) (-)

4.66

3000

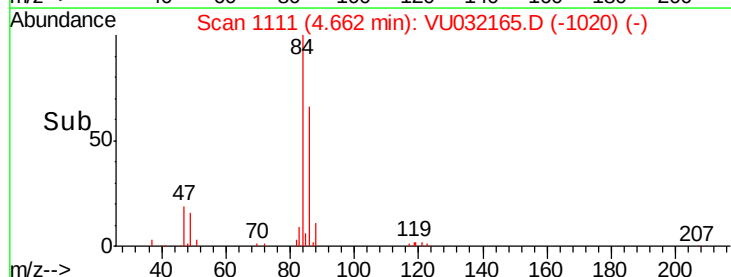
2000

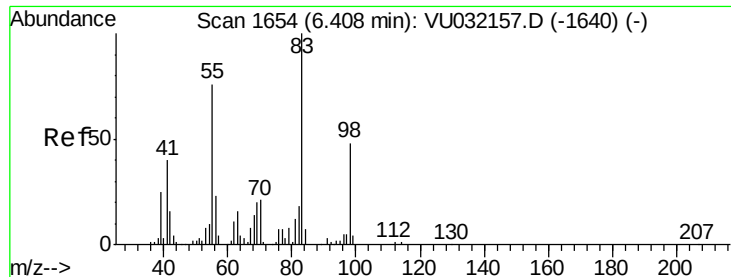
1000

0

Time-->

4.65 4.70 4.75

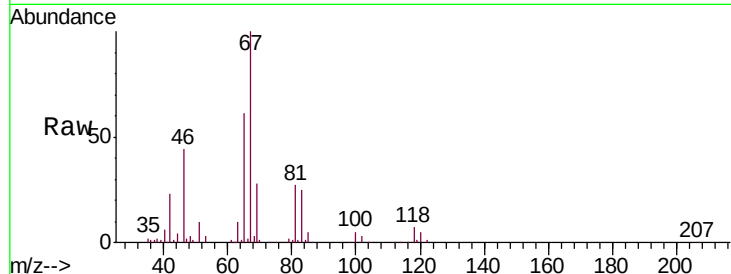




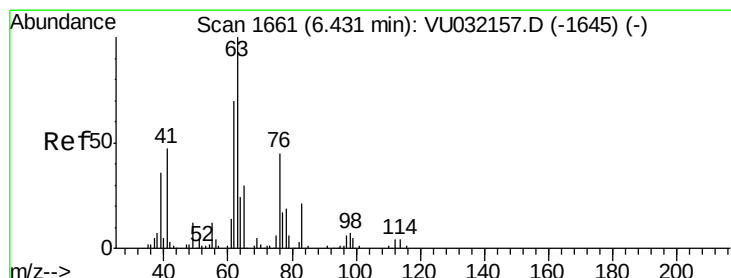
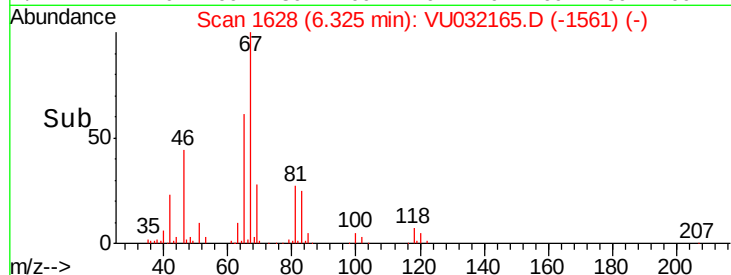
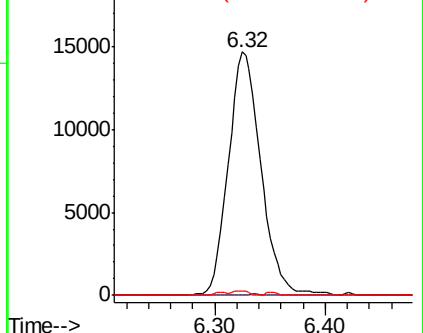
#35
Methylcyclohexane
Concen: 1.337 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032165.D
Acq: 20 May 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
C0BL8

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.1	59.7	89.5#
98	0.9	36.8	55.2#

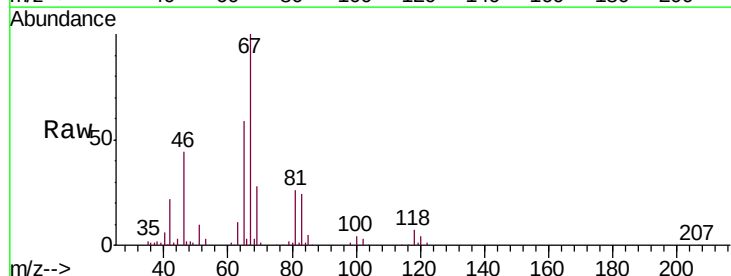


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

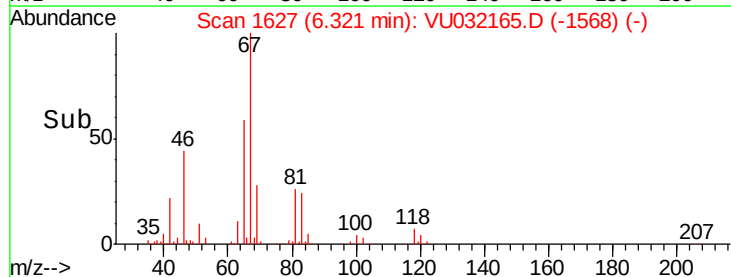
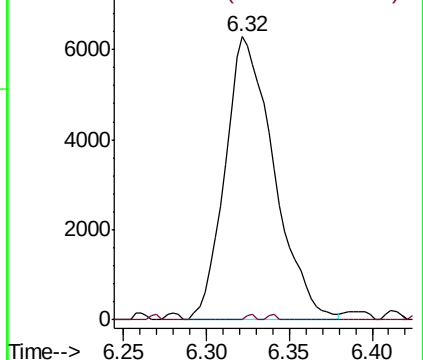


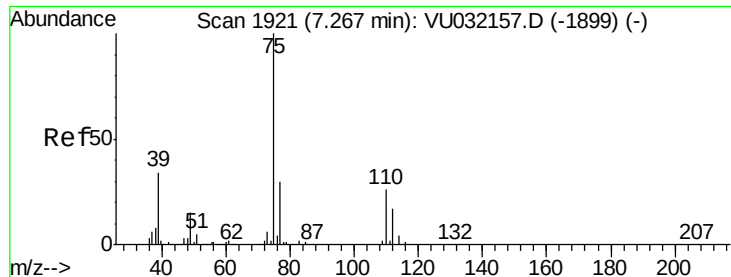
#37
1,2-Dichloropropane
Concen: 0.917 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.11 min
Lab File: VU032165.D
Acq: 20 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.8	5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.150 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032165.D

Acq: 20 May 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

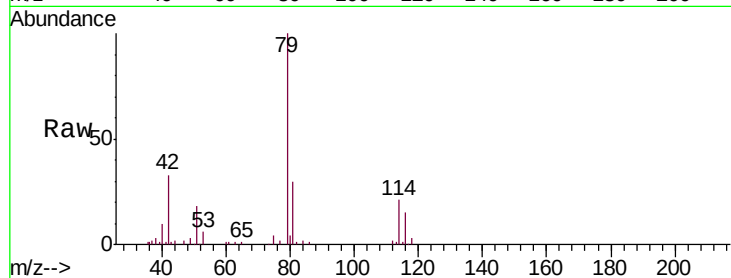
C0BL8

Tgt Ion: 75 Resp: 2911

Ion Ratio Lower Upper

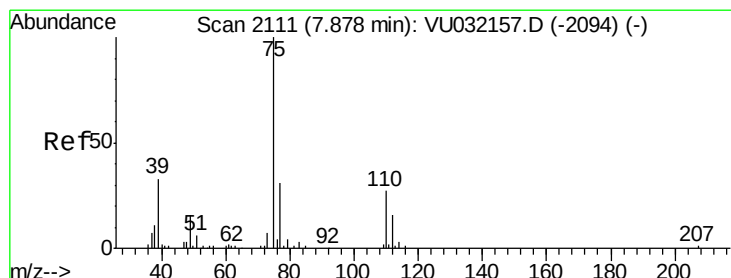
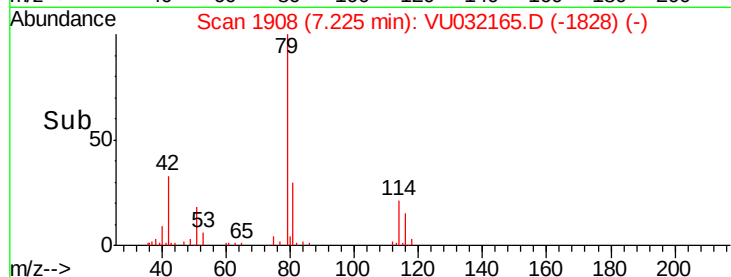
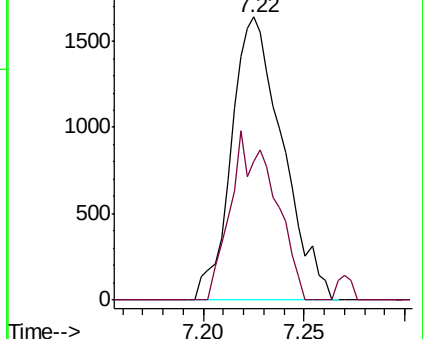
75 100

77 49.1 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032165.D

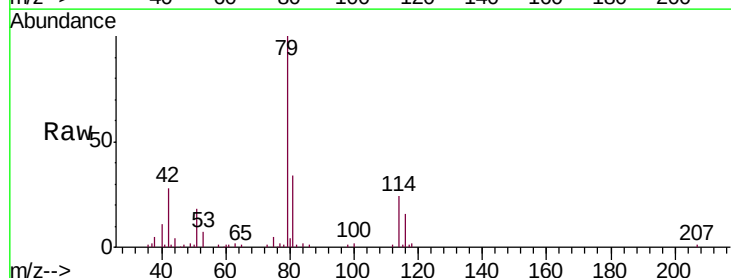
Acq: 20 May 2019 19:29

Tgt Ion: 75 Resp: 1624

Ion Ratio Lower Upper

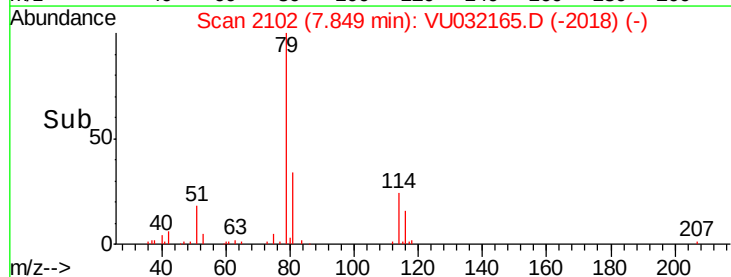
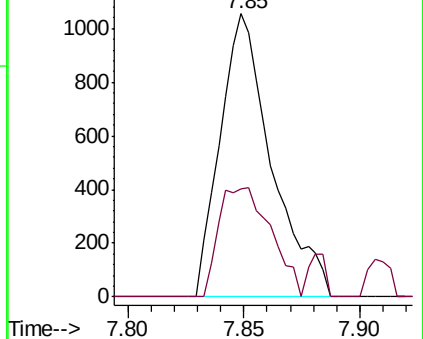
75 100

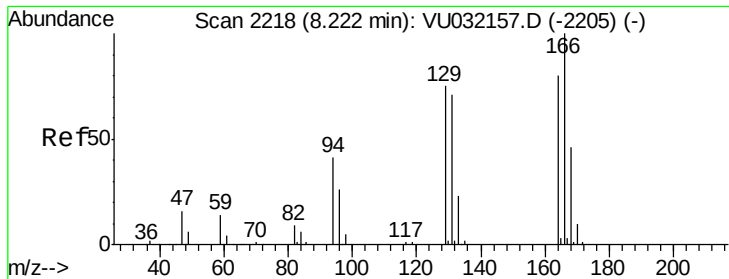
77 38.1 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 2.682 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032165.D

Acq: 20 May 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

C0BL8

Tgt Ion:164 Resp: 31290

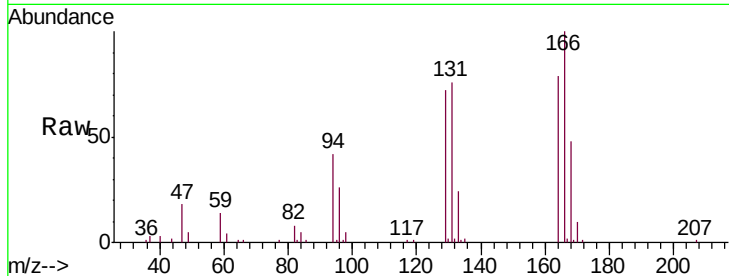
Ion Ratio Lower Upper

164 100

129 90.1 70.3 130.5

131 95.1 64.5 119.9

166 125.9 92.3 171.5

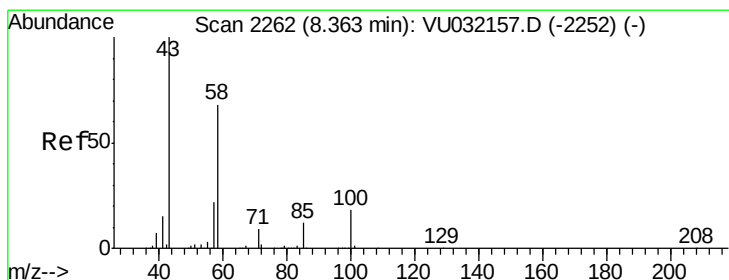
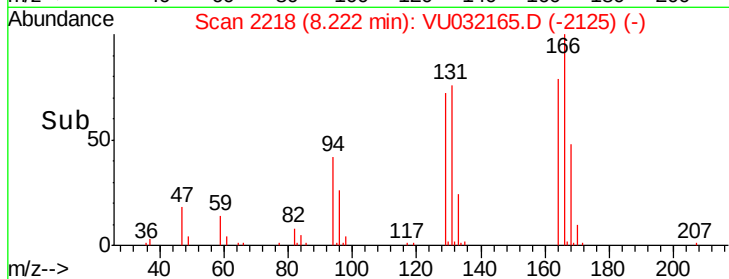
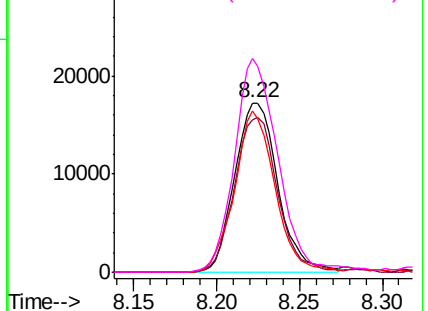


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.358 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU032165.D

Acq: 20 May 2019 19:29

Tgt Ion: 43 Resp: 6869

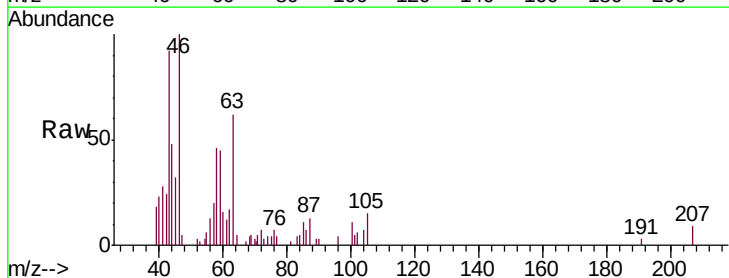
Ion Ratio Lower Upper

43 100

58 75.0 51.6 77.4

57 0.0 18.4 27.6#

100 7.5 12.2 18.4#

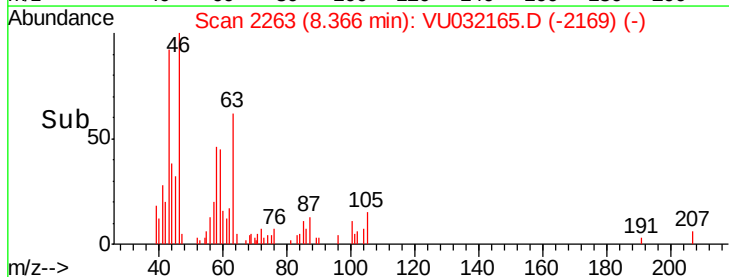
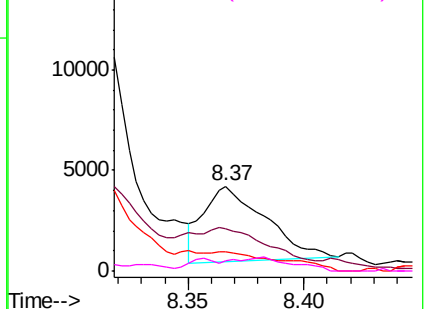


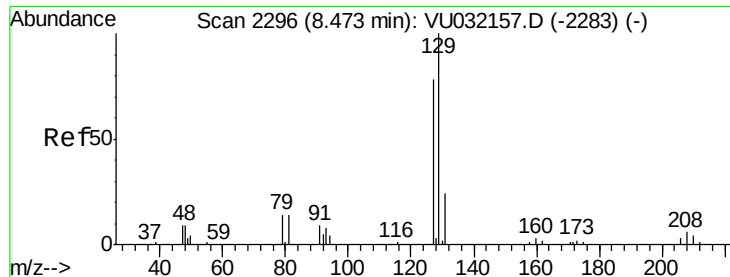
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 2.378 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032165.D

Acq: 20 May 2019 19:29

Instrument :

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ClientSampleId :

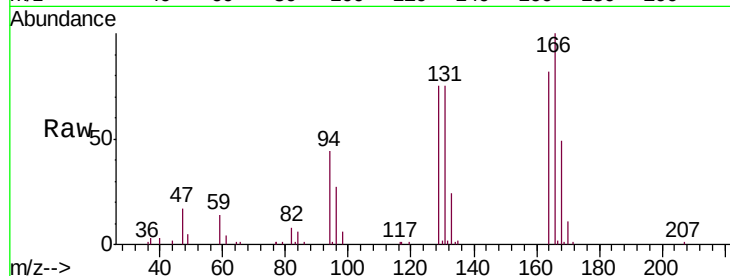
C0BL8

Tgt Ion:129 Resp: 28482

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

15000

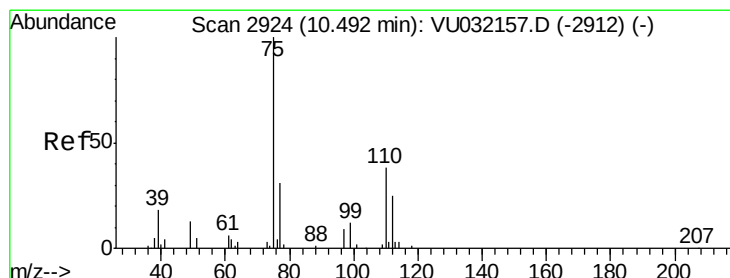
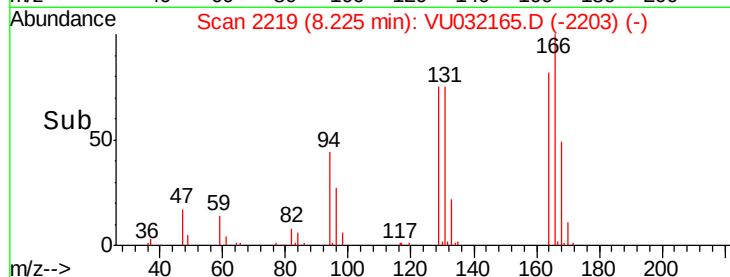
10000

5000

0

Time-->

8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 1.639 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032165.D

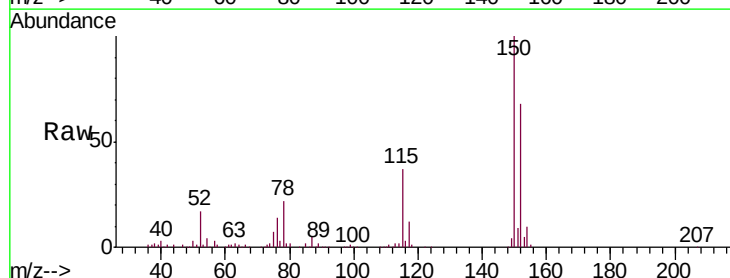
Acq: 20 May 2019 19:29

Tgt Ion: 75 Resp: 14643

Ion Ratio Lower Upper

75 100

77 38.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10000

8000

6000

4000

2000

0

Time-->

11.40 11.45 11.50 11.55

