

Data File : VU032132.D
Acq On : 18 May 2019 05:01
Operator : JC/SP
Sample : K2860-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W34

Quant Time: May 18 05:50:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 05:45:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	346990	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	363561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	140672	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	112451	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.68	69	95475	3.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.40%
11) 1,1-Dichloroethene-d2	2.27	63	158672	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.20	46	241000	42.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.00%
24) Chloroform-d	4.64	84	224695	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.31	65	111733	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.33	84	444173	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.33	67	128725	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.40%
41) Toluene-d8	7.56	98	364101	3.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.60%
43) trans-1,3-Dichloropropene-	7.85	79	39059	3.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.00%
46) 2-Hexanone-d5	8.31	63	201769	38.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	108630	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	138182	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	2910	0.175 ug/L	93
8) Chloroethane	1.62	64	3018	0.278 ug/L #	43
12) 1,1-Dichloroethene	2.27	96	2048	0.147 ug/L #	1
13) Acetone	2.34	43	38272	20.316 ug/L	95
15) Methyl Acetate	2.34	43	30912	5.723 ug/L #	42
18) trans-1,2-Dichloroethene	2.97	96	2725	0.183 ug/L #	75
22) cis-1,2-Dichloroethene	4.22	96	6320	0.431 ug/L	98
23) Bromochloromethane	4.55	128	877	0.139 ug/L #	81
25) Chloroform	4.67	83	44741	1.768 ug/L	98
34) Trichloroethene	6.19	95	14954	0.988 ug/L	82
35) Methylcyclohexane	6.33	83	31395	1.440 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	14364	1.052 ug/L #	87
38) Bromodichloromethane	6.75	83	59687	3.419 ug/L #	99
44) trans-1,3-Dichloropropene	7.85	75	1739	0.119 ug/L #	56
47) Tetrachloroethene	8.22	164	5426	0.479 ug/L	94
49) Dibromochloromethane	8.47	129	55376	4.766 ug/L	95
59) 1,2,3-Trichloropropane	10.22	75	1525	0.176 ug/L #	42

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051719\
Quantitation Report (Not Reviewed)

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QLast Update : Sat May 18 05:45:56 2019
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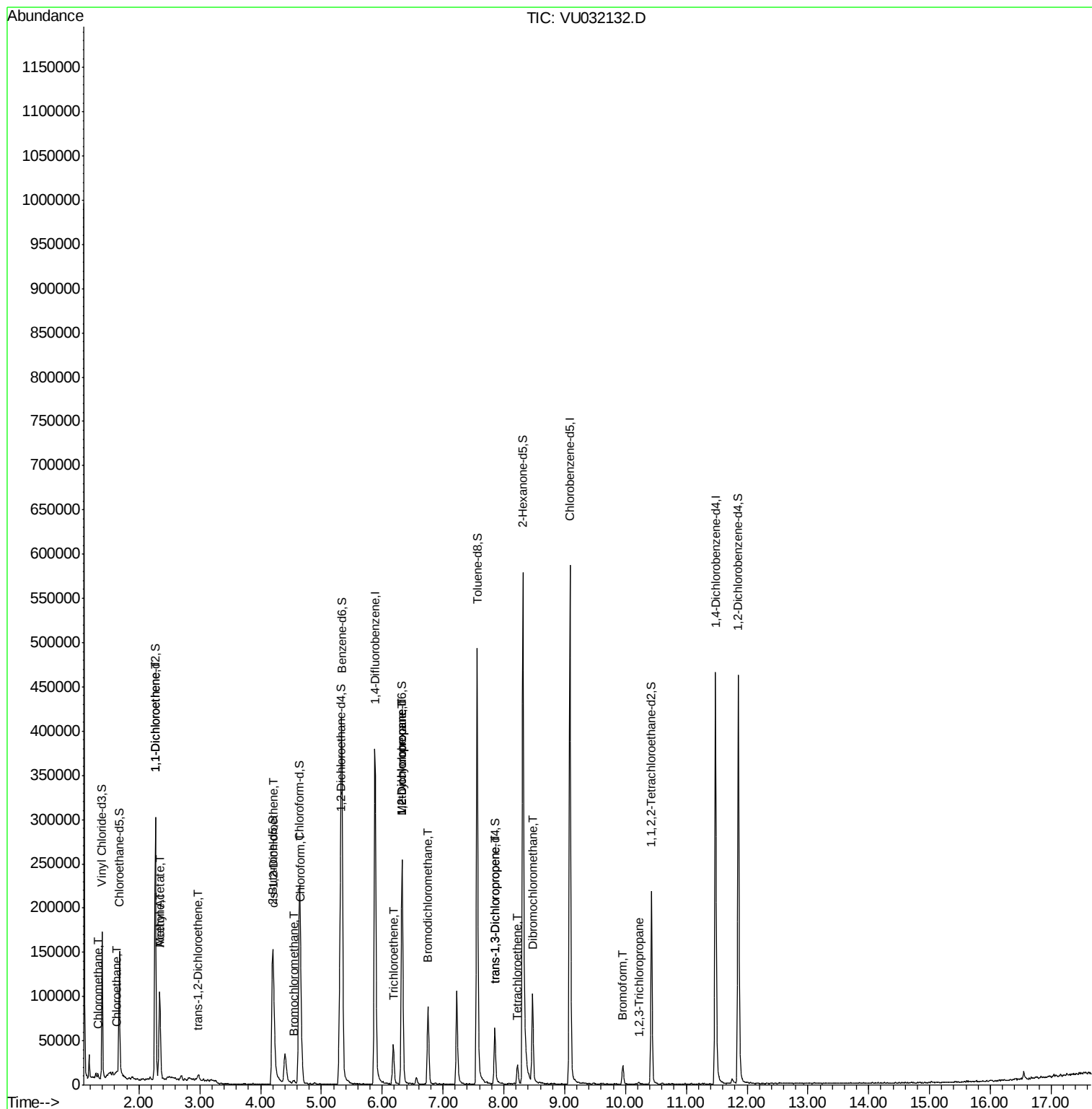
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Bromoform	9.96	173	12018	2.226	ug/L	96

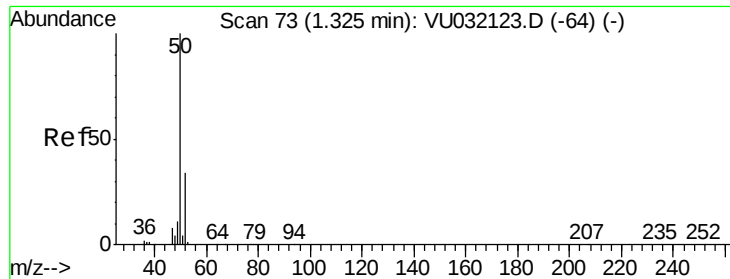
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.175 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032132.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_U

ClientSampleId :

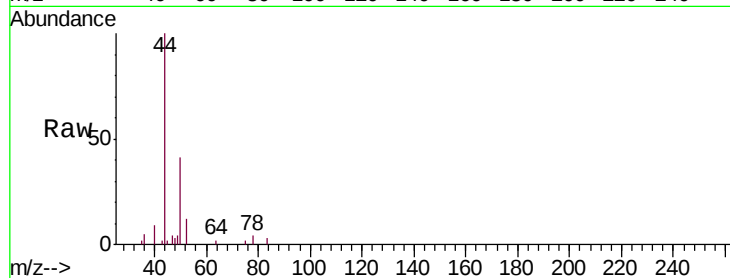
F9W34

Tgt Ion: 50 Resp: 2910

Ion Ratio Lower Upper

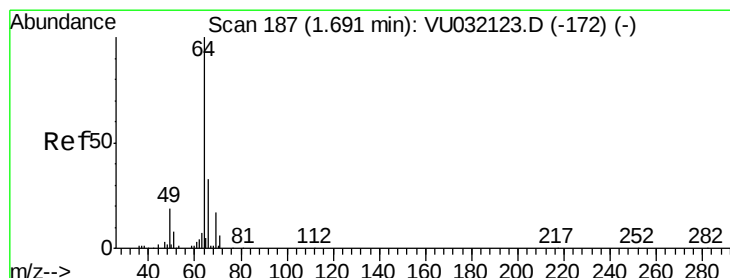
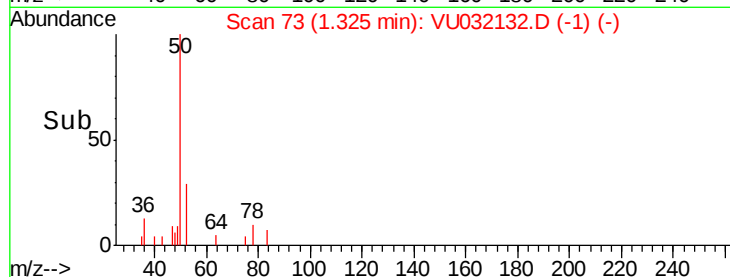
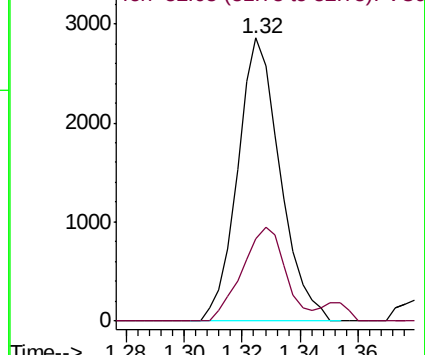
50 100

52 29.3 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.278 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.07 min

Lab File: VU032132.D

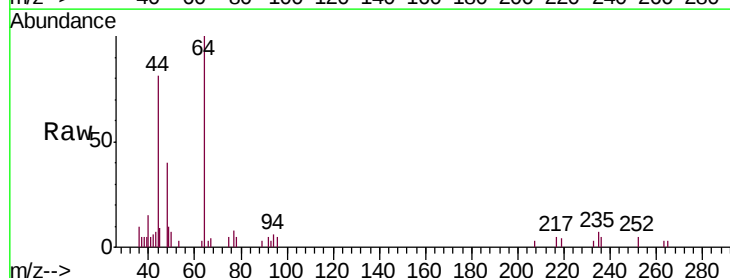
Acq: 18 May 2019 05:01

Tgt Ion: 64 Resp: 3018

Ion Ratio Lower Upper

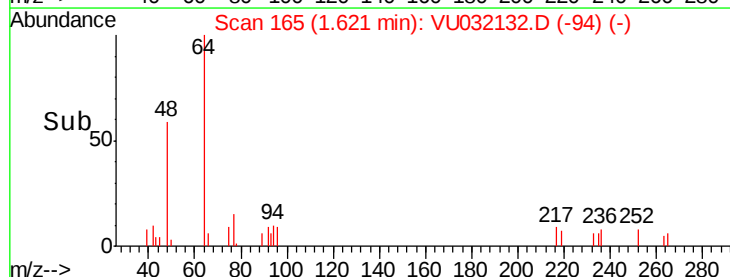
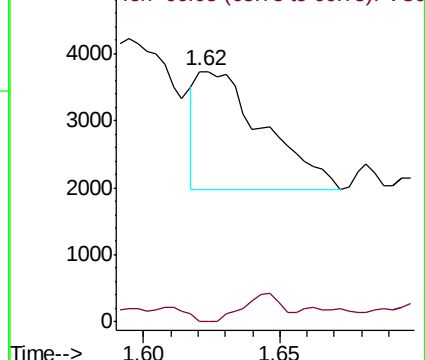
64 100

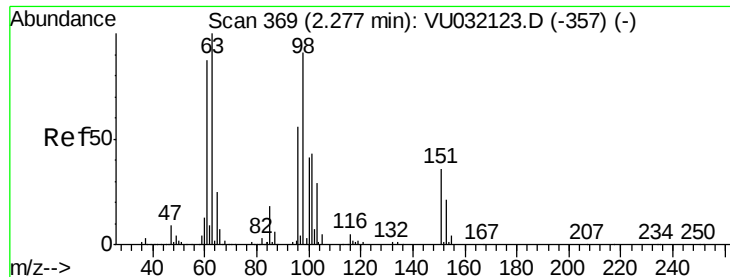
66 0.0 22.0 41.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.147 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032132.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_U

ClientSampleId :

F9W34

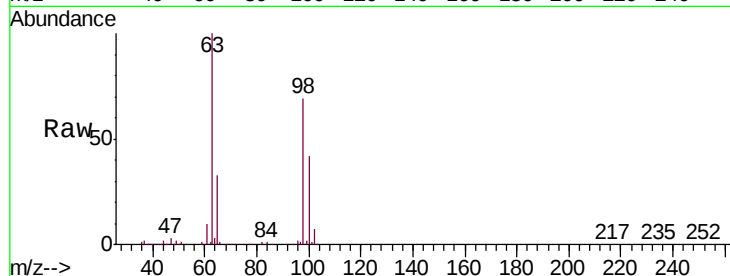
Tgt Ion: 96 Resp: 2048

Ion Ratio Lower Upper

96 100

61 675.2 111.7 207.5#

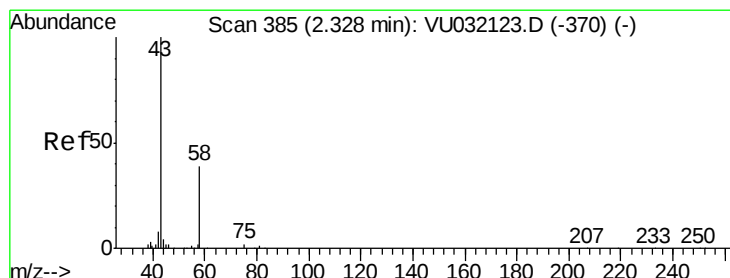
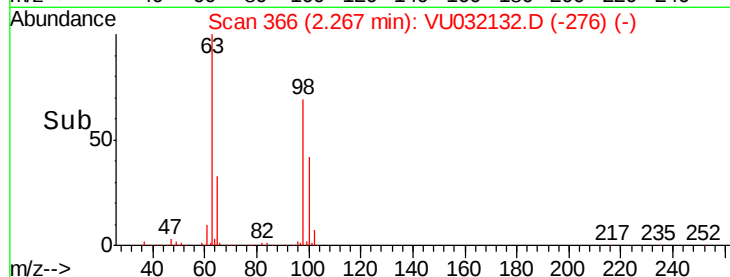
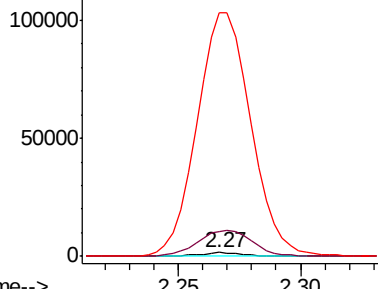
63 6579.0 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 20.316 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU032132.D

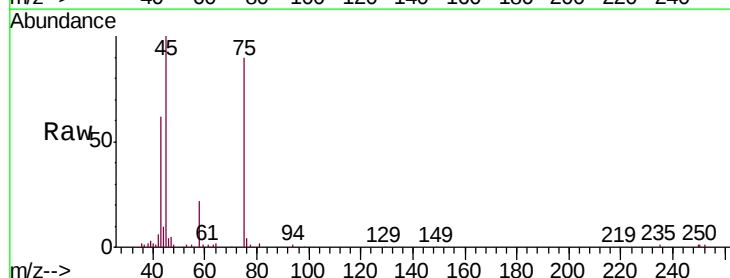
Acq: 18 May 2019 05:01

Tgt Ion: 43 Resp: 38272

Ion Ratio Lower Upper

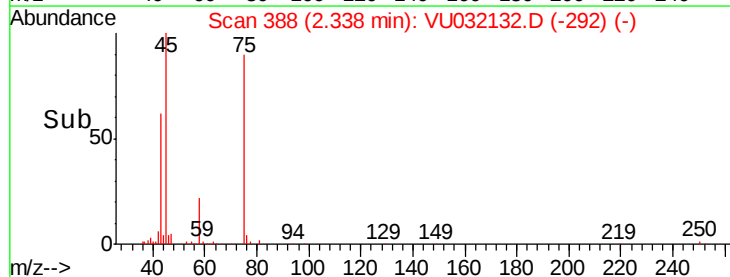
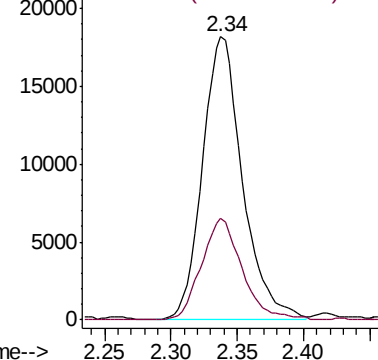
43 100

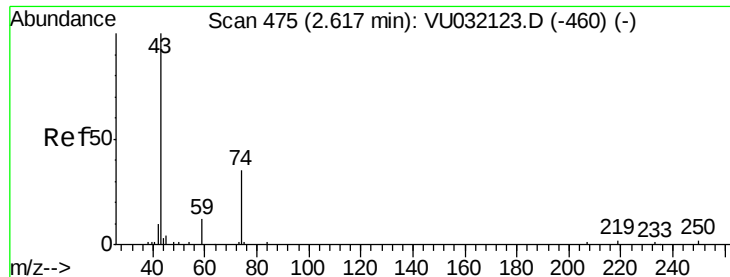
58 36.3 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

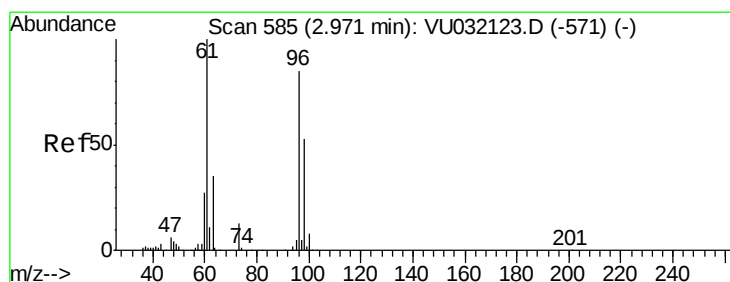
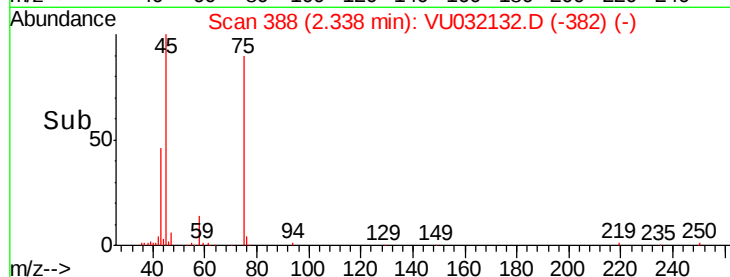
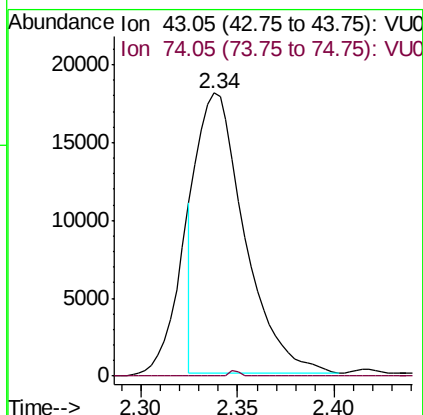
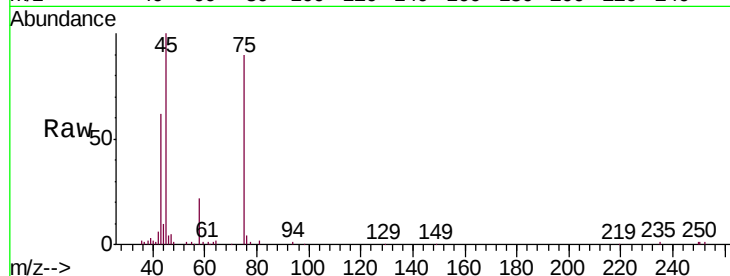




#15
Methyl Acetate
Concen: 5.723 ug/L
RT: 2.34 min Scan# 388
Delta R.T. -0.28 min
Lab File: VU032123.D
Acq: 18 May 2019 05:01

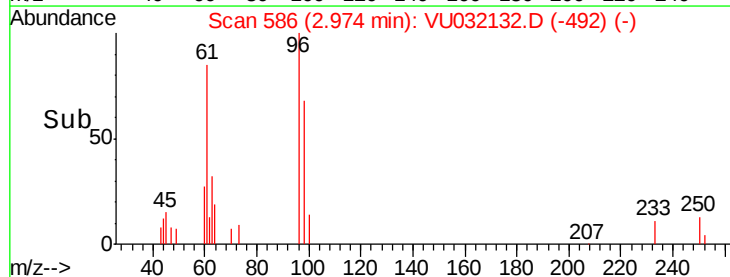
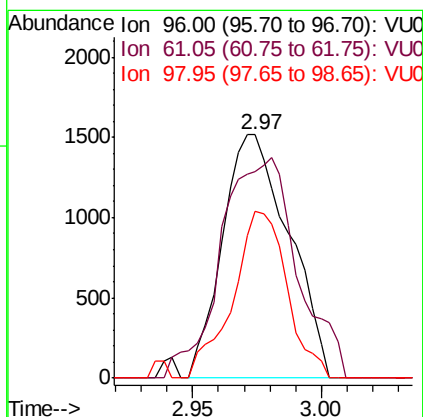
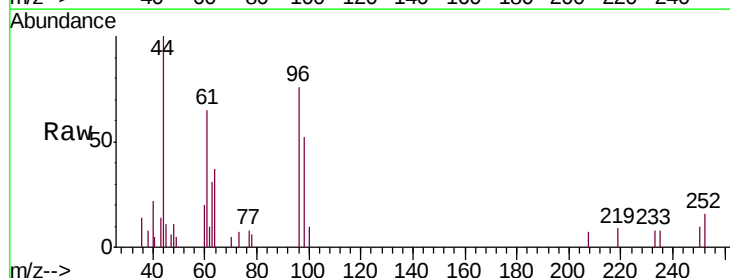
Instrument :
MSVOA_U
ClientSampleId :
F9W34

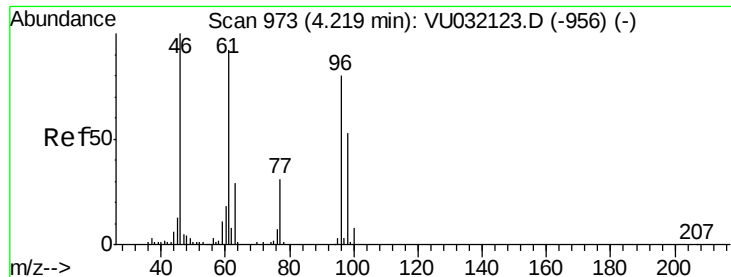
Tgt Ion: 43 Resp: 30912
Ion Ratio Lower Upper
43 100
74 0.4 26.4 39.6#



#18
trans-1,2-Dichloroethene
Concen: 0.183 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032123.D
Acq: 18 May 2019 05:01

Tgt Ion: 96 Resp: 2725
Ion Ratio Lower Upper
96 100
61 85.0 86.5 160.7#
98 68.4 43.5 80.9



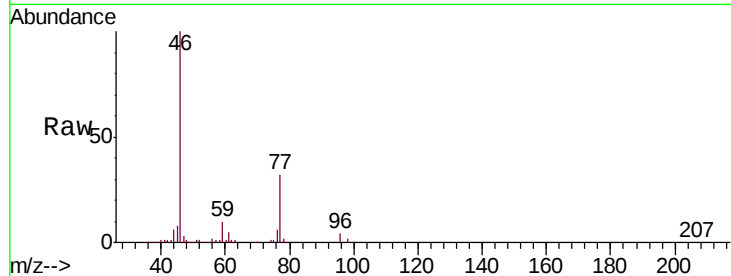


#22

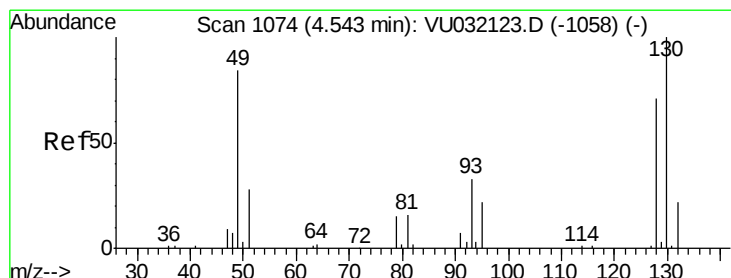
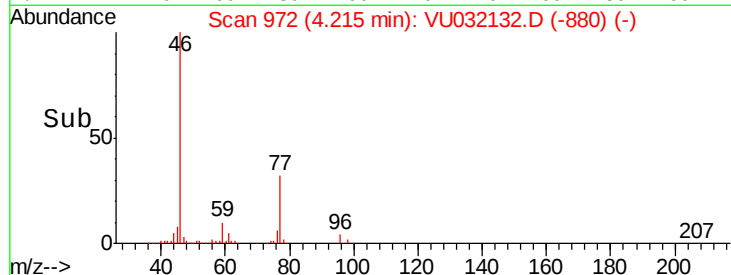
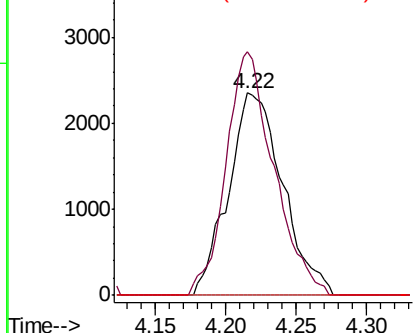
cis-1,2-Dichloroethene
 Concen: 0.431 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032132.D
 Acq: 18 May 2019 05:01

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W34

Tgt Ion: 96 Resp: 6320
 Ion Ratio Lower Upper
 96 100
 61 120.3 85.8 159.4
 68 0.0 0.0 0.0



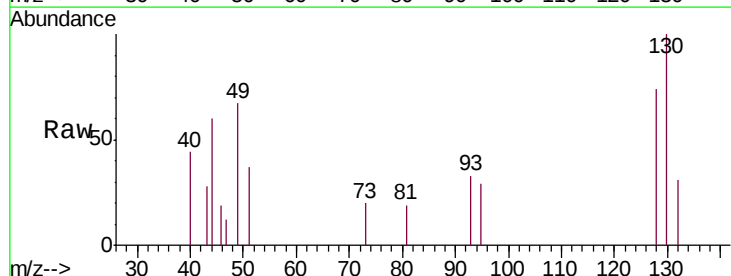
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



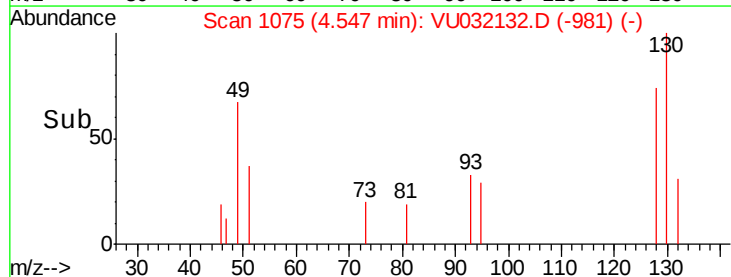
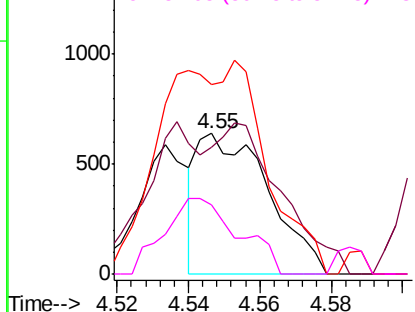
#23

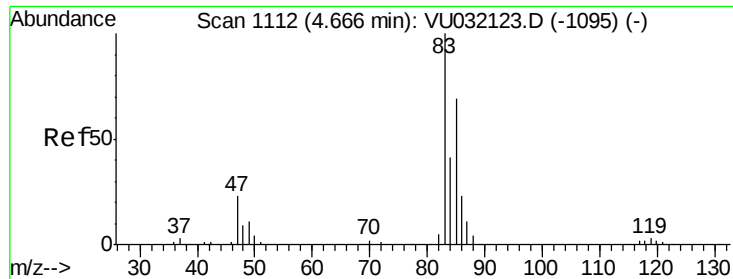
Bromochloromethane
 Concen: 0.139 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU032132.D
 Acq: 18 May 2019 05:01

Tgt Ion: 128 Resp: 877
 Ion Ratio Lower Upper
 128 100
 49 90.2 92.2 171.2#
 130 134.8 90.3 167.7
 51 49.4 35.3 52.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

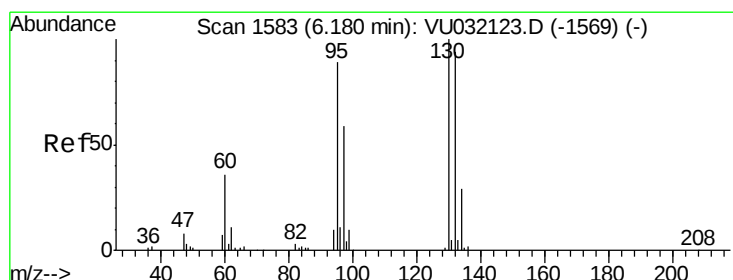
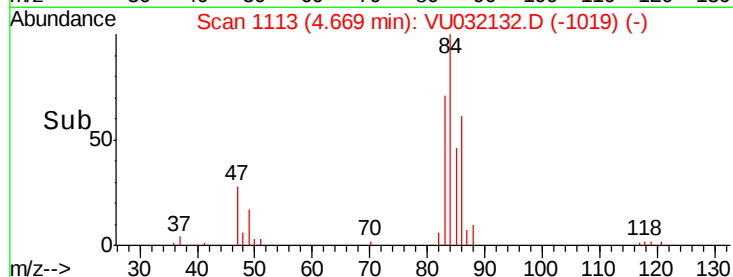
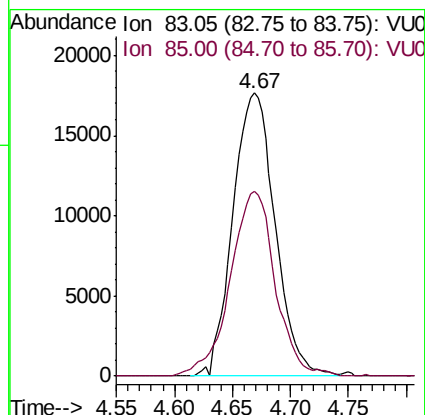
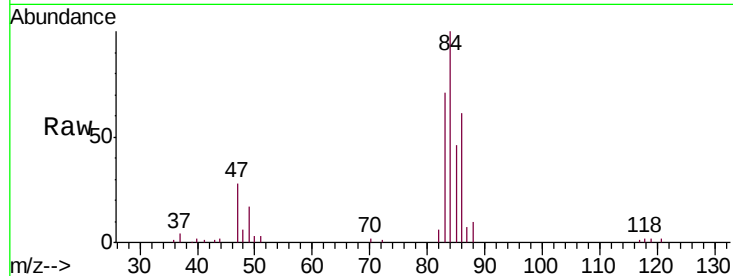




#25
Chloroform
Concen: 1.768 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032132.D
Acq: 18 May 2019 05:01

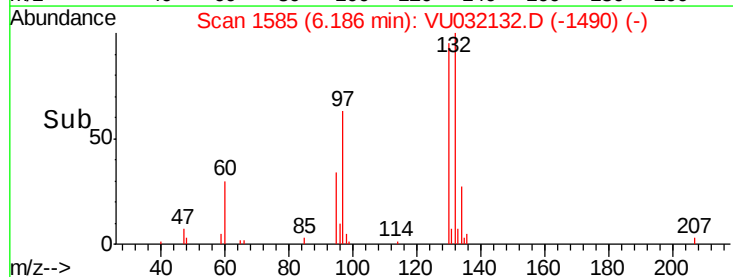
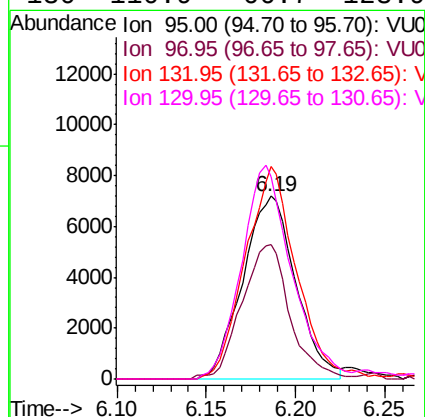
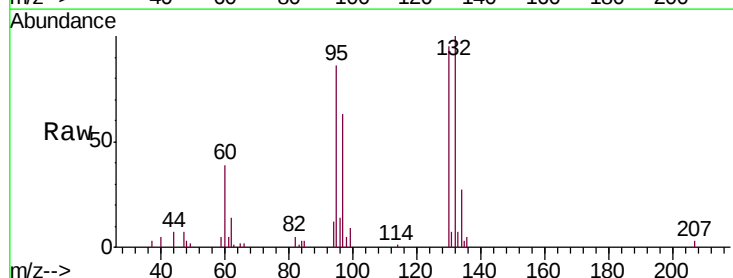
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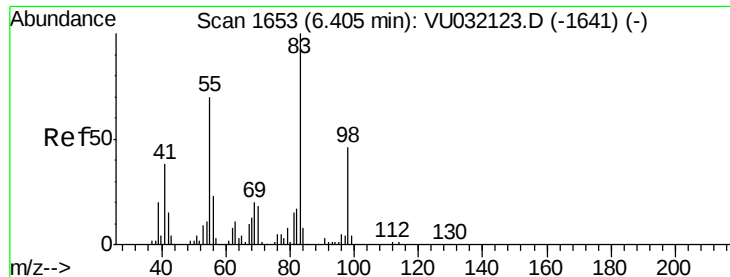
Tgt Ion: 83 Resp: 44741
Ion Ratio Lower Upper
83 100
85 65.3 44.9 83.3



#34
Trichloroethene
Concen: 0.988 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU032132.D
Acq: 18 May 2019 05:01

Tgt Ion: 95 Resp: 14954
Ion Ratio Lower Upper
95 100
97 73.7 45.2 84.0
132 116.7 66.1 122.7
130 110.9 66.7 123.9

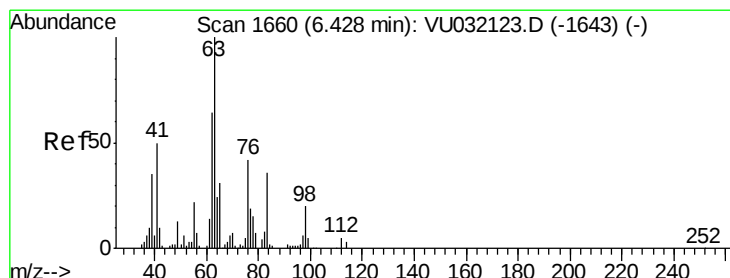
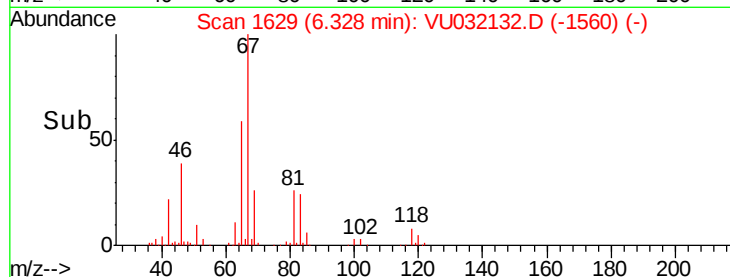
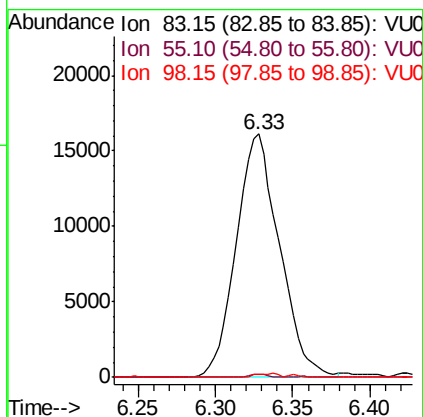
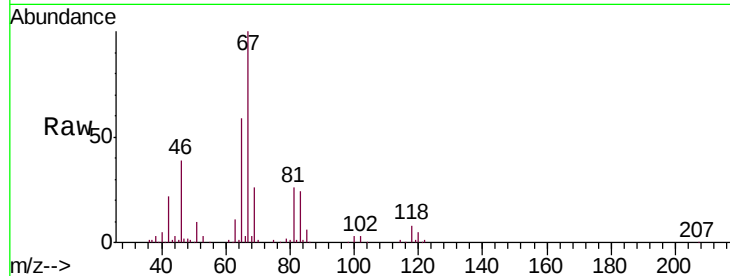




#35
Methylcyclohexane
Concen: 1.440 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032132.D
Acq: 18 May 2019 05:01

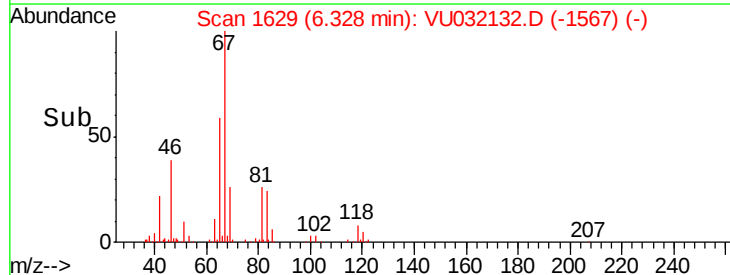
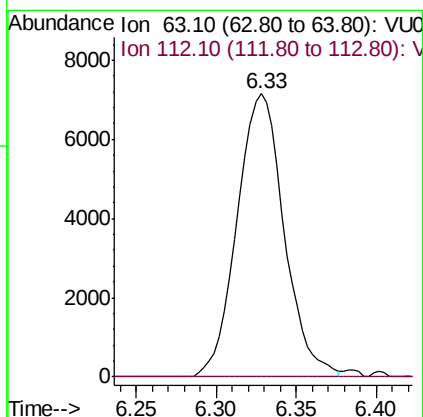
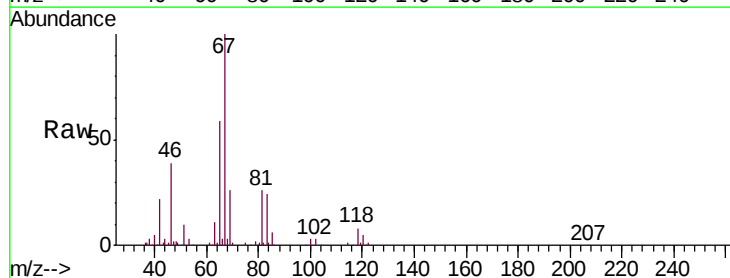
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ClientSampleId :
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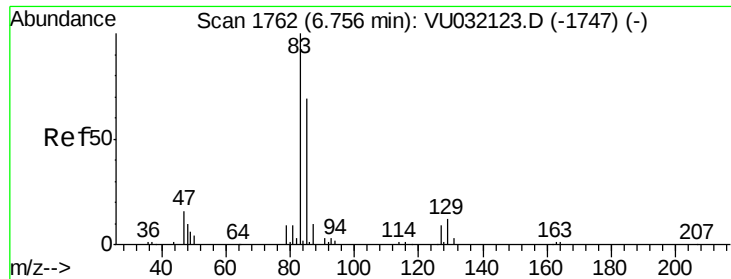
Tgt Ion: 83 Resp: 31395
Ion Ratio Lower Upper
83 100
55 0.5 59.7 89.5#
98 0.8 36.8 55.2#



#37
1,2-Dichloropropane
Concen: 1.052 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032132.D
Acq: 18 May 2019 05:01

Tgt Ion: 63 Resp: 14364
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.6#





#38

Bromodichloromethane

Concen: 3.419 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU032132.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_U

ClientSampleId :

F9W34

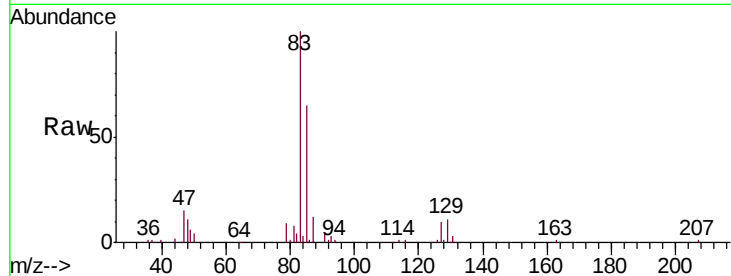
Tgt Ion: 83 Resp: 59687

Ion Ratio Lower Upper

83 100

85 65.1 45.5 84.5

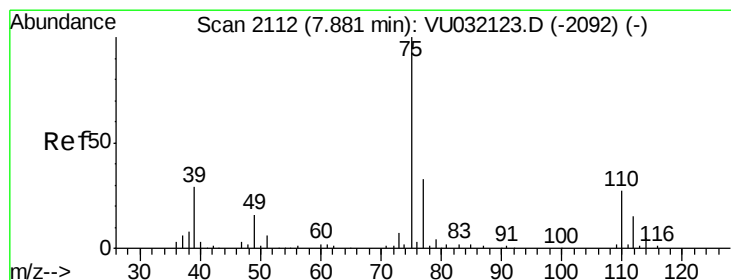
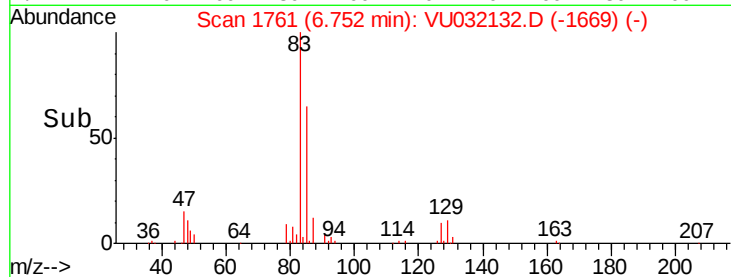
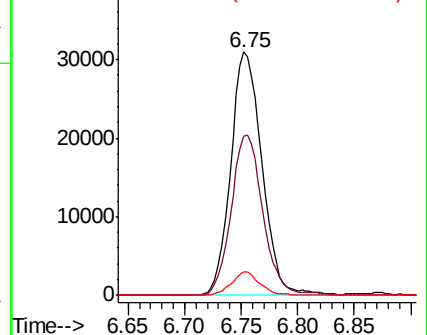
127 9.9 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032132.D

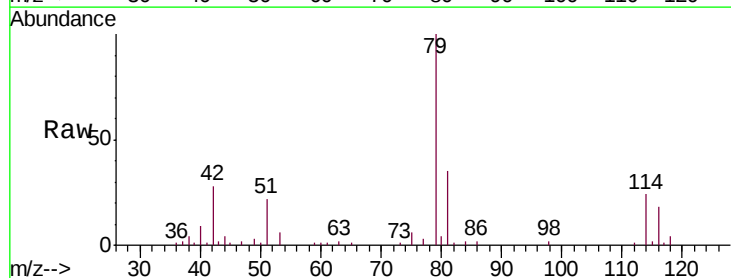
Acq: 18 May 2019 05:01

Tgt Ion: 75 Resp: 1739

Ion Ratio Lower Upper

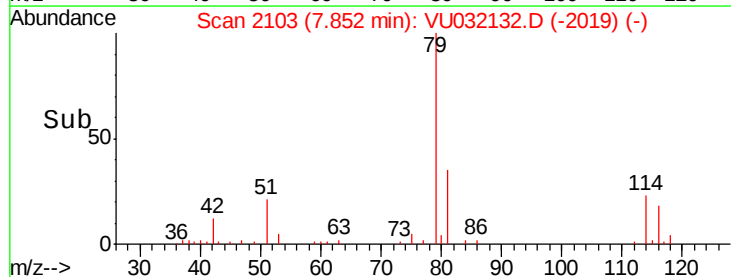
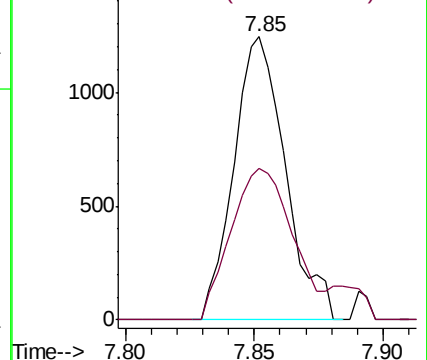
75 100

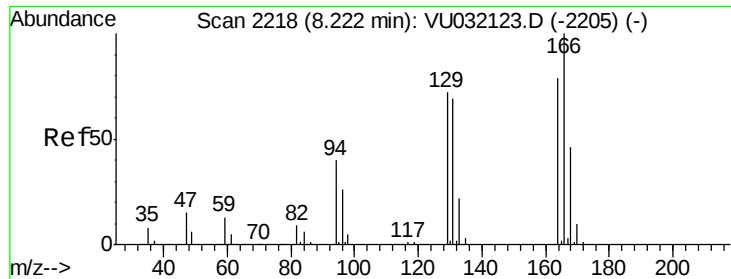
77 53.7 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

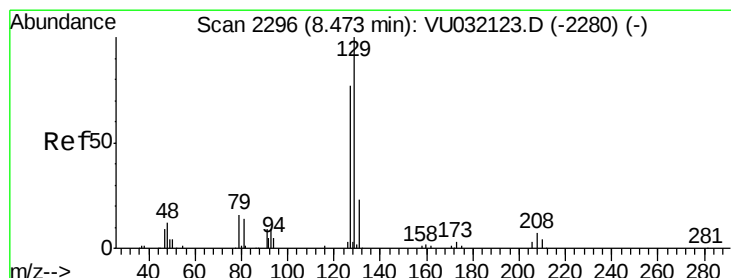
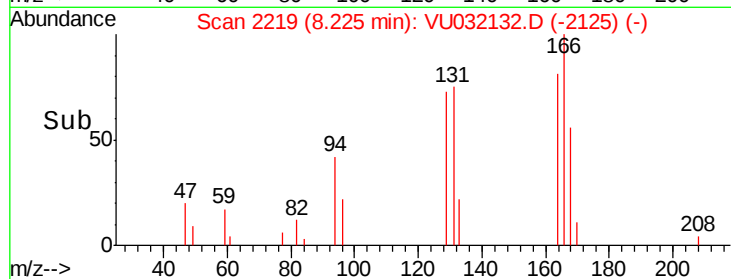
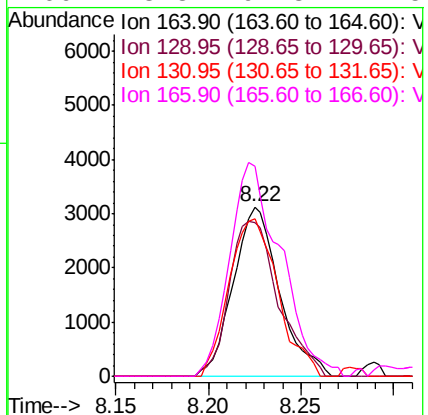
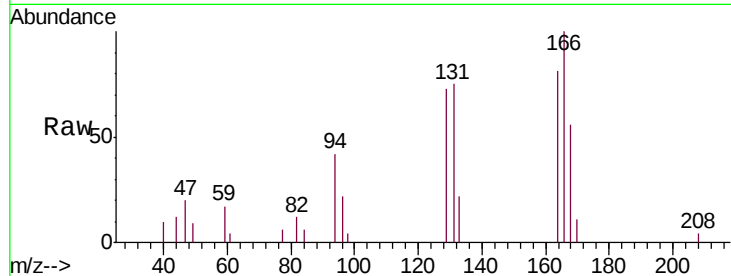




#47
Tetrachloroethene
Concen: 0.479 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032132.D
Acq: 18 May 2019 05:01

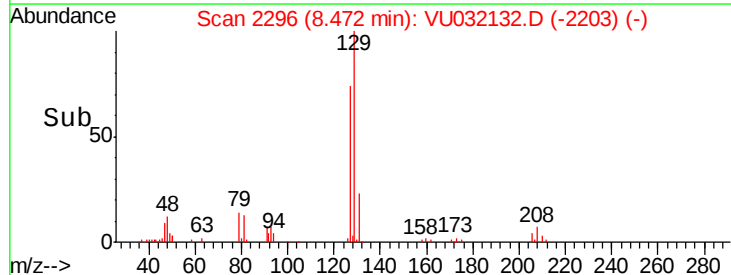
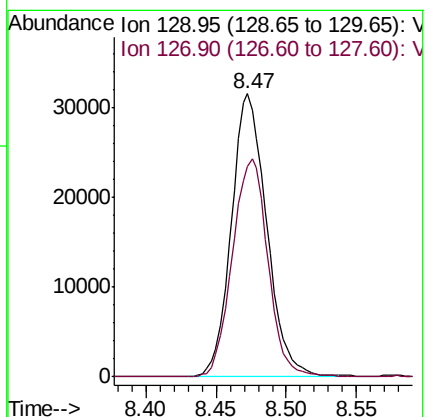
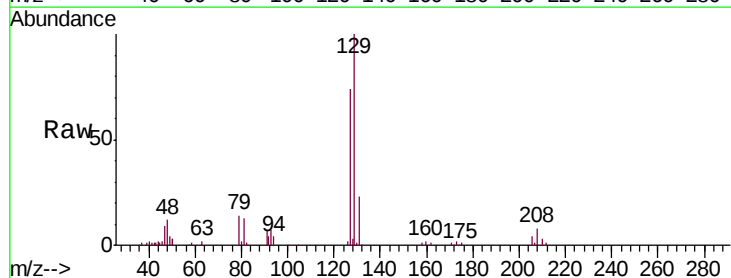
Instrument :
MSVOA_U
ClientSampleId :
F9W34

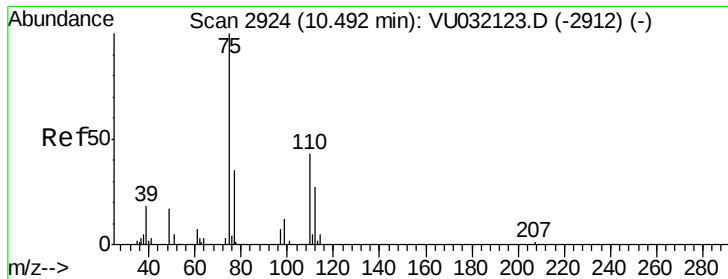
Tgt Ion:	164	Resp:	5426
Ion	Ratio	Lower	Upper
164	100		
129	90.9	70.3	130.5
131	93.0	64.5	119.9
166	123.8	92.3	171.5



#49
Dibromochloromethane
Concen: 4.766 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032132.D
Acq: 18 May 2019 05:01

Tgt Ion:	129	Resp:	55376
Ion	Ratio	Lower	Upper
129	100		
127	74.3	55.2	102.6





#59

1,2,3-Trichloropropane

Concen: 0.176 ug/L

RT: 10.22 min Scan# 2841

Delta R.T. -0.27 min

Lab File: VU032132.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_U

ClientSampleId :

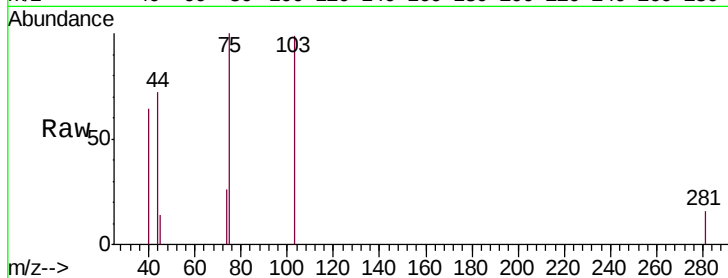
F9W34

Tgt Ion: 75 Resp: 1525

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

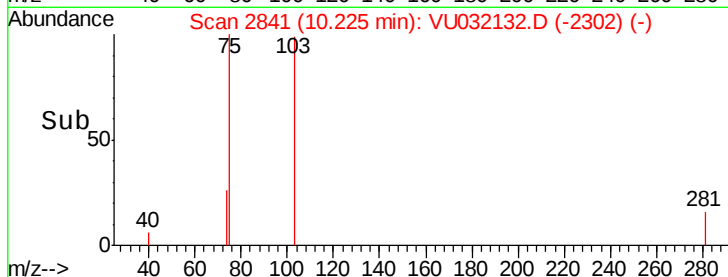


Abundance Ion 75.00 (74.70 to 75.70): VU032132.D (-2841) (-)

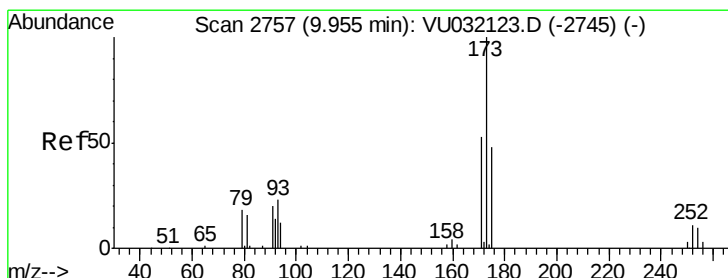
Ion 77.00 (76.70 to 77.70): VU032132.D (-2841) (-)

10.22

Time-->



Time-->



#61

Bromoform

Concen: 2.226 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU032132.D

Acq: 18 May 2019 05:01

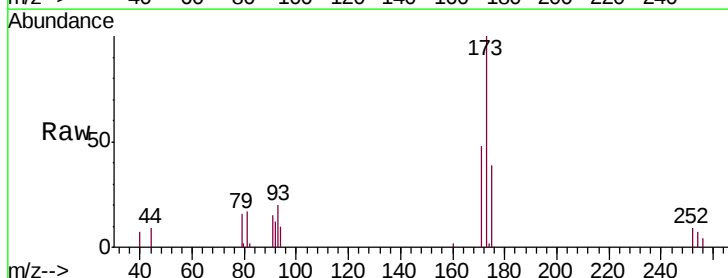
Tgt Ion: 173 Resp: 12018

Ion Ratio Lower Upper

173 100

175 44.8 38.0 57.0

254 8.4 7.8 11.6



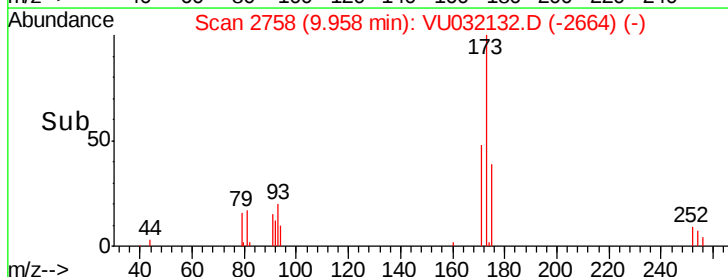
Abundance Ion 172.90 (172.60 to 173.60): VU032123.D (-2758) (-)

Ion 174.90 (174.60 to 175.60): VU032123.D (-2758) (-)

Ion 253.75 (253.45 to 254.45): VU032123.D (-2758) (-)

9.96

Time-->



Time-->