

Data File : VU032130.D
Acq On : 18 May 2019 04:11
Operator : JC/SP
Sample : K2860-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W32

Quant Time: May 18 05:50:00 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	354108	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	356843	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	142802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	109720	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.68	69	97795	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.27	63	161422	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.20	46	235150	40.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.32%
24) Chloroform-d	4.64	84	219609	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.31	65	110318	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	5.33	84	441759	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.33	67	130321	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	7.56	98	368147	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	7.85	79	41933	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	8.31	63	193692	37.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109354	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	138605	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3493	0.205 ug/L	97
5) Vinyl chloride	1.40	62	10812	0.605 ug/L #	76
12) 1,1-Dichloroethene	2.28	96	7941	0.558 ug/L #	1
13) Acetone	2.34	43	116823	60.766 ug/L	96
15) Methyl Acetate	2.70	43	53306	9.670 ug/L #	42
17) Methyl tert-butyl Ether	3.01	73	11747	0.351 ug/L #	83
18) trans-1,2-Dichloroethene	2.97	96	30901	2.030 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	195280	13.041 ug/L	89
30) Cyclohexane	4.99	56	2282	0.119 ug/L #	64
33) Benzene	5.38	78	14197	0.259 ug/L	100
34) Trichloroethene	6.18	95	369379	24.852 ug/L	97
35) Methylcyclohexane	6.33	83	31573	1.475 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	14225	1.062 ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	1606	0.111 ug/L #	32
47) Tetrachloroethene	8.23	164	7535	0.678 ug/L	84
48) 2-Hexanone	8.37	43	9735	2.021 ug/L #	89
49) Dibromochloromethane	8.22	129	7386	0.648 ug/L #	10

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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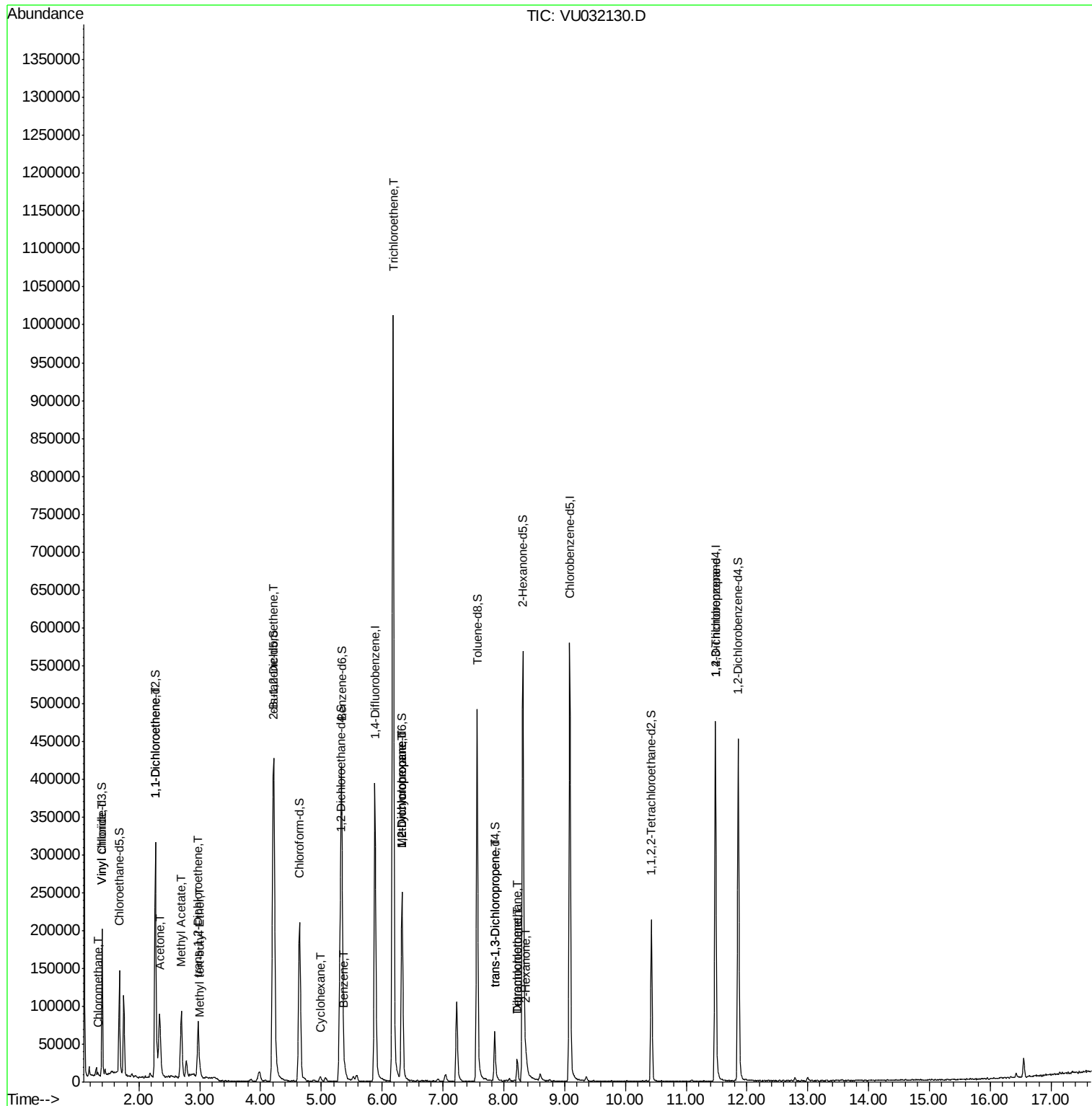
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	15032	1.767	ug/L	94

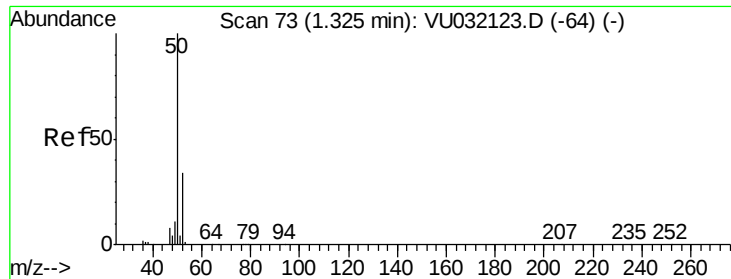
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.205 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

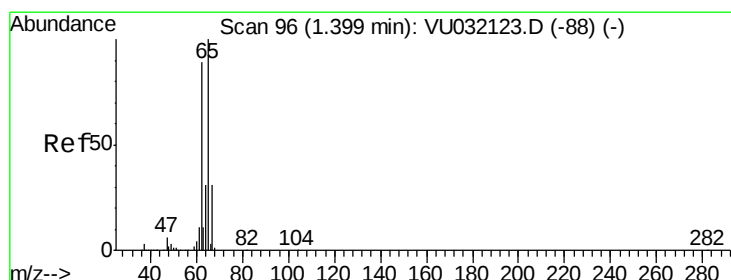
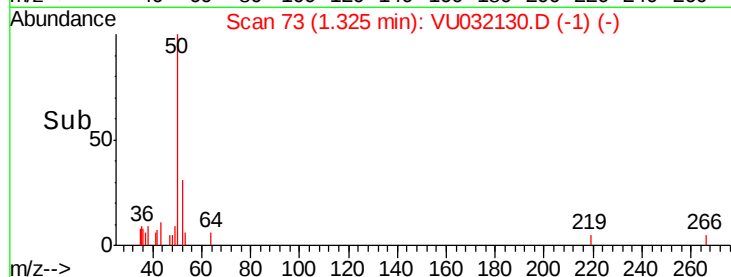
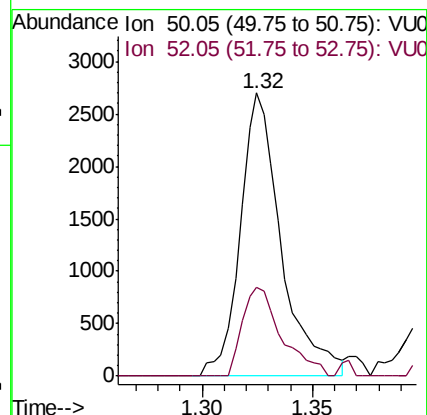
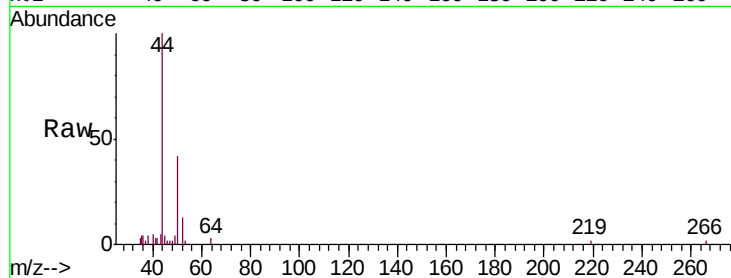
F9W32

Tgt Ion: 50 Resp: 3493

Ion Ratio Lower Upper

50 100

52 31.4 23.2 43.0



#5

Vinyl chloride

Concen: 0.605 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032130.D

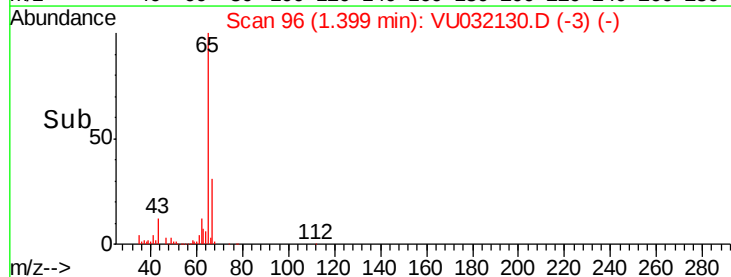
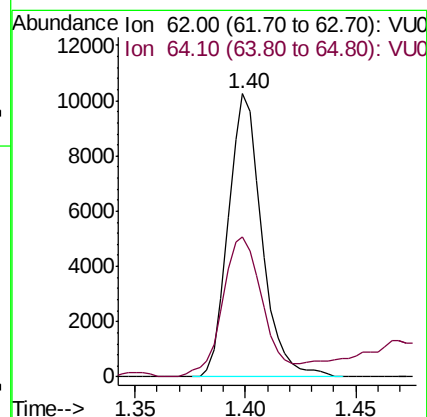
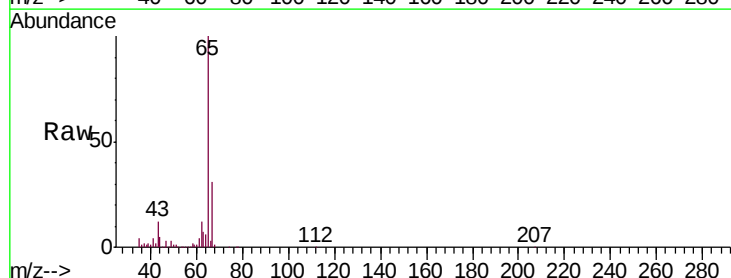
Acq: 18 May 2019 04:11

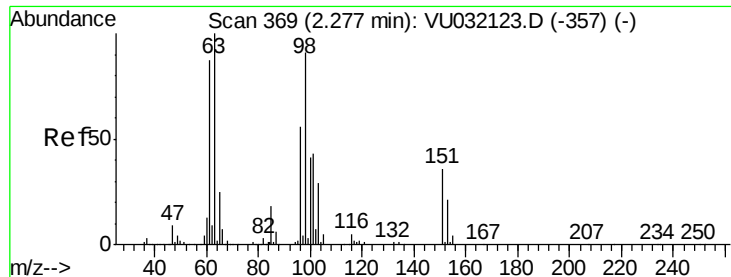
Tgt Ion: 62 Resp: 10812

Ion Ratio Lower Upper

62 100

64 49.5 24.8 46.1#





#12

1,1-Dichloroethene

Concen: 0.558 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

F9W32

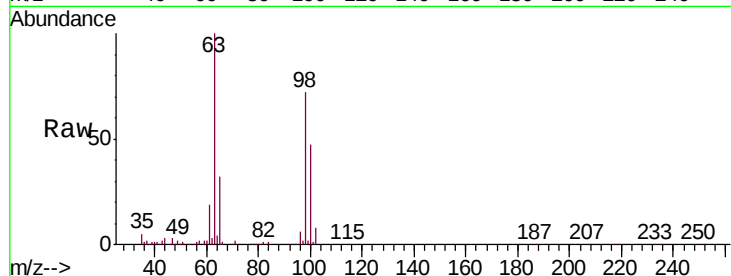
Tgt Ion: 96 Resp: 7941

Ion Ratio Lower Upper

96 100

61 310.1 111.7 207.5#

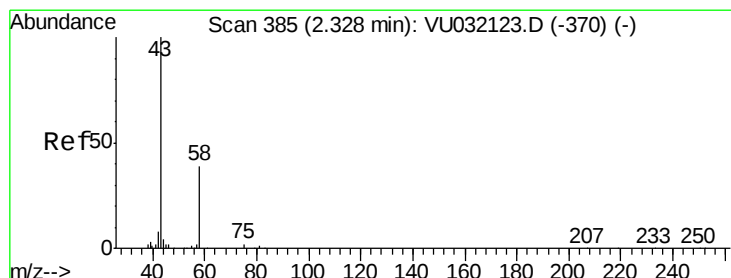
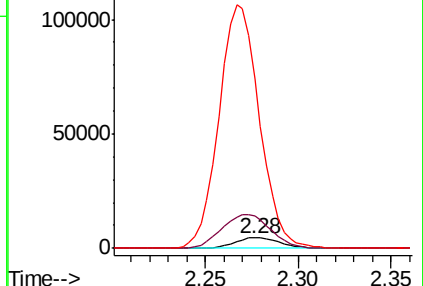
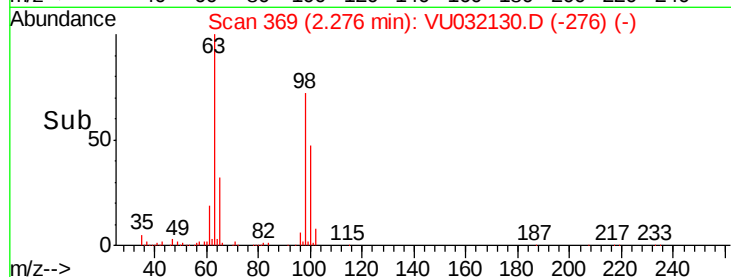
63 1601.0 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032130.D (-276) (-)

Ion 61.05 (60.75 to 61.75): VU032130.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032130.D (-276) (-)



#13

Acetone

Concen: 60.766 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032130.D

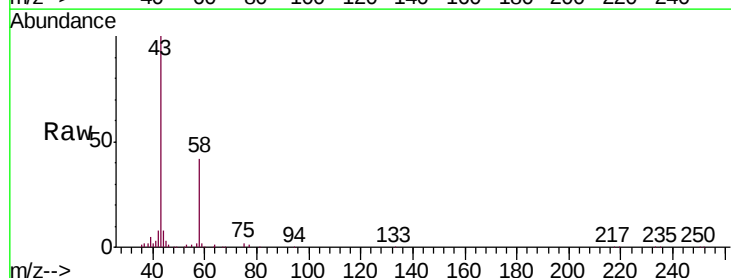
Acq: 18 May 2019 04:11

Tgt Ion: 43 Resp: 116823

Ion Ratio Lower Upper

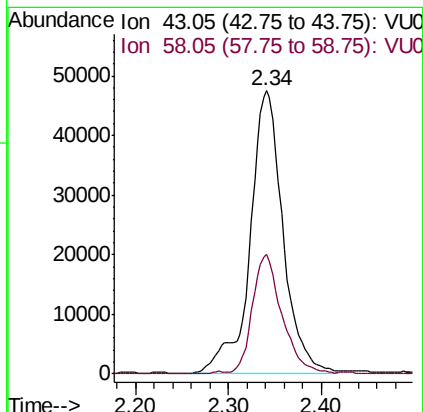
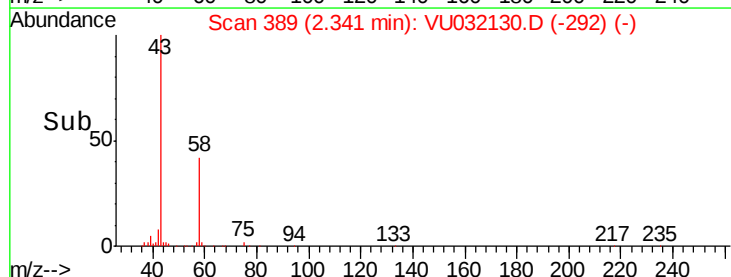
43 100

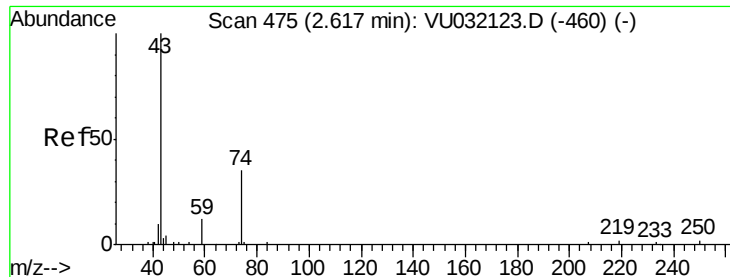
58 37.0 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032130.D (-292) (-)

Ion 58.05 (57.75 to 58.75): VU032130.D (-292) (-)

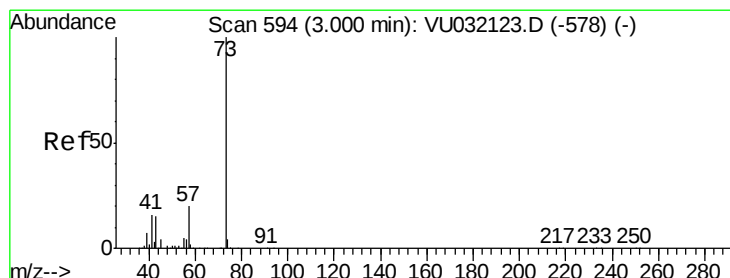
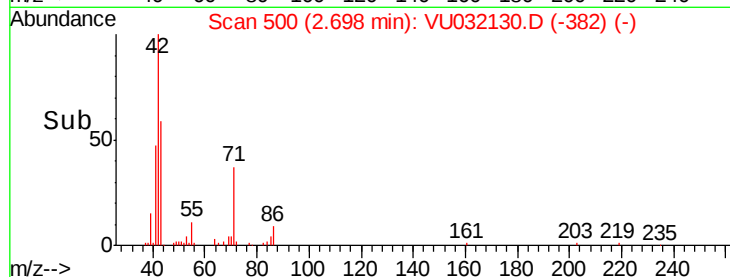
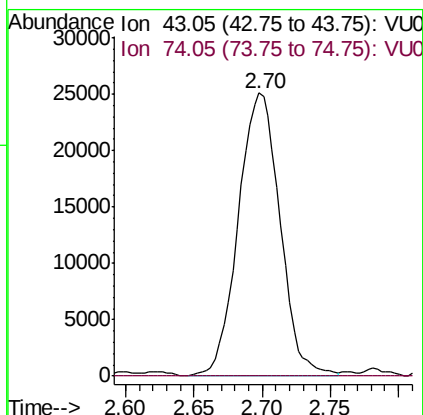
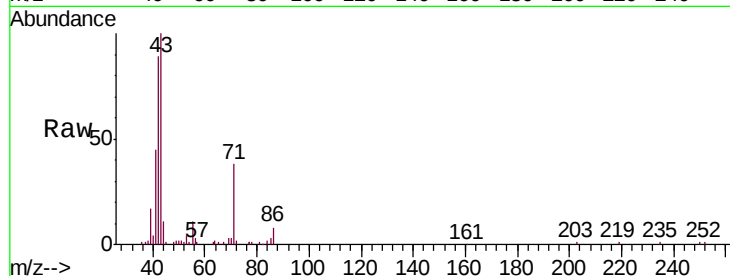




#15
Methyl Acetate
Concen: 9.670 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.08 min
Lab File: VU032130.D
Acq: 18 May 2019 04:11

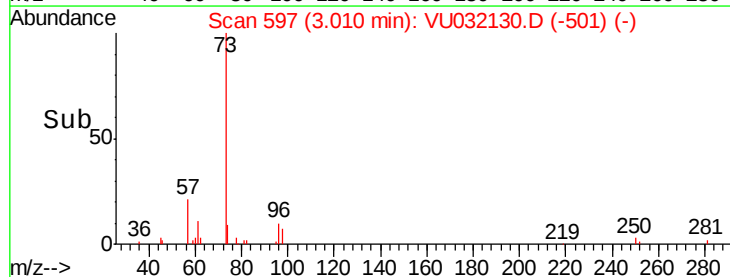
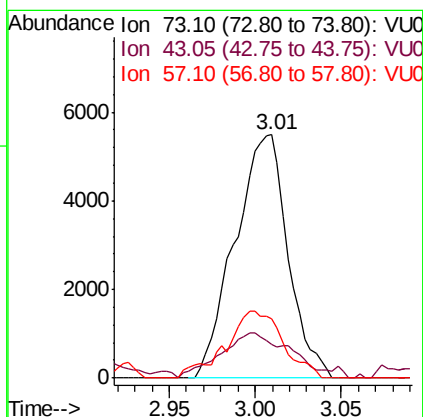
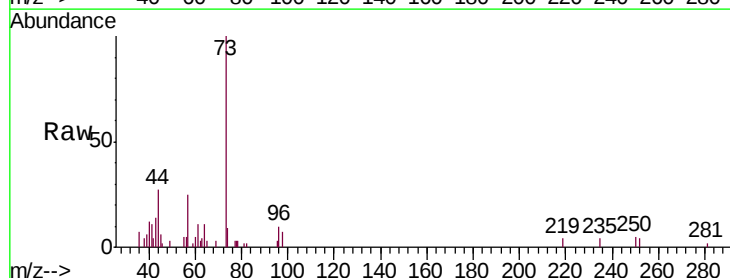
Instrument :
MSVOA_U
ClientSampleId :
F9W32

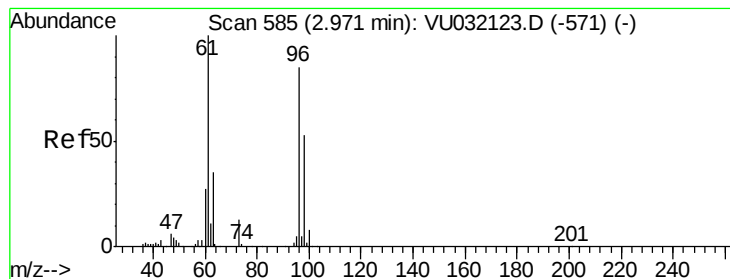
Tgt Ion: 43 Resp: 53306
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#17
Methyl tert-butyl Ether
Concen: 0.351 ug/L
RT: 3.01 min Scan# 597
Delta R.T. 0.01 min
Lab File: VU032130.D
Acq: 18 May 2019 04:11

Tgt Ion: 73 Resp: 11747
Ion Ratio Lower Upper
73 100
43 24.1 13.0 19.6#
57 29.8 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 2.030 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampled :

F9W32

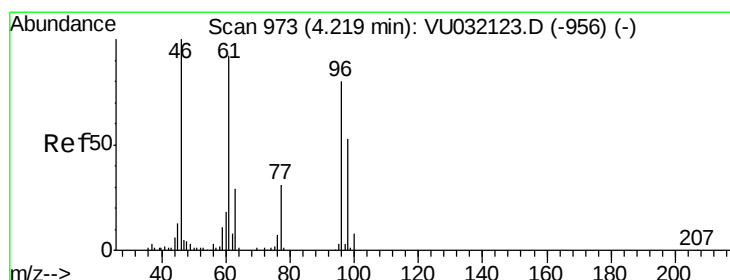
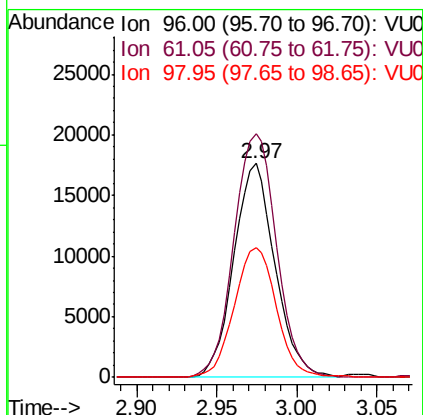
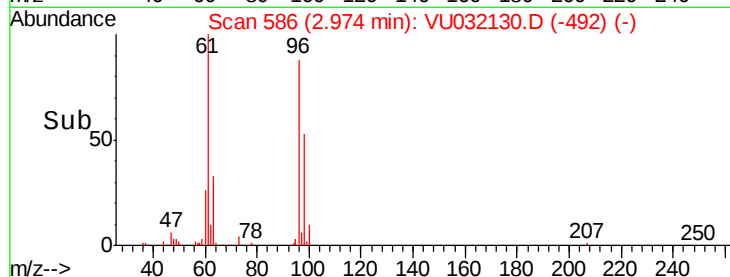
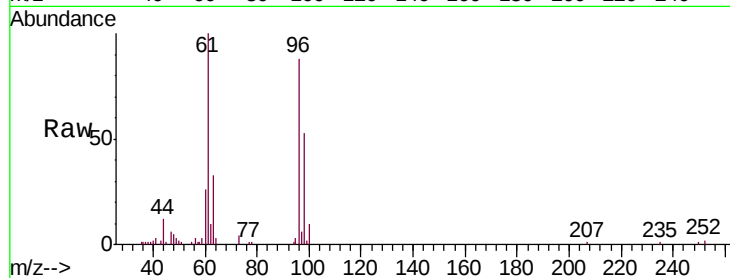
Tgt Ion: 96 Resp: 30901

Ion Ratio Lower Upper

96 100

61 113.7 86.5 160.7

98 60.7 43.5 80.9



#22

cis-1,2-Dichloroethene

Concen: 13.041 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

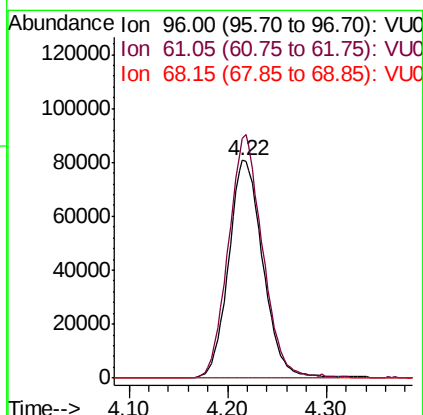
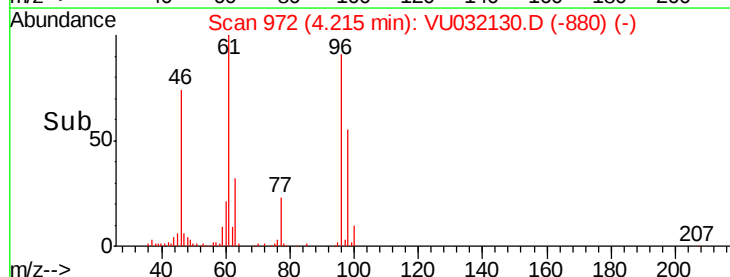
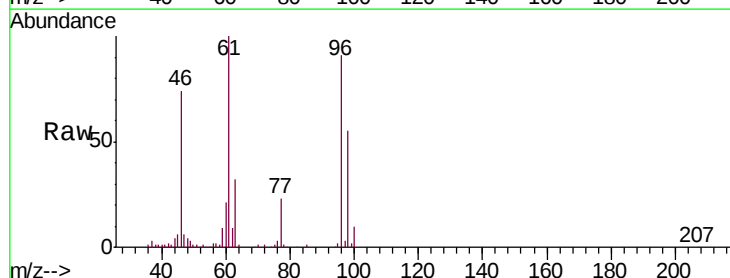
Tgt Ion: 96 Resp: 195280

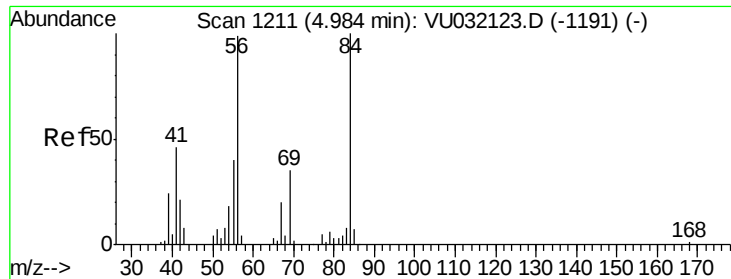
Ion Ratio Lower Upper

96 100

61 110.0 85.8 159.4

68 0.0 0.0 0.0

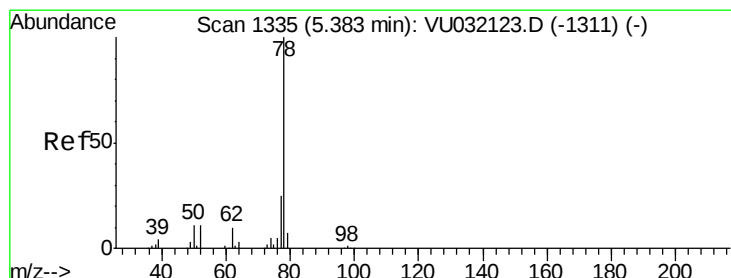
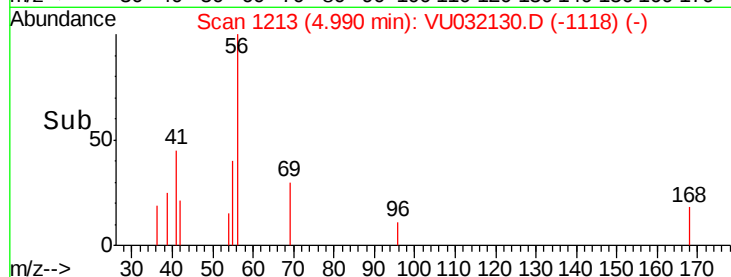
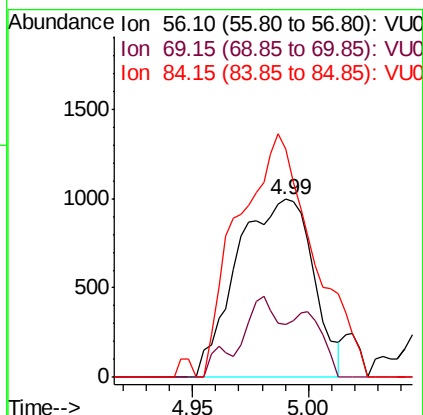
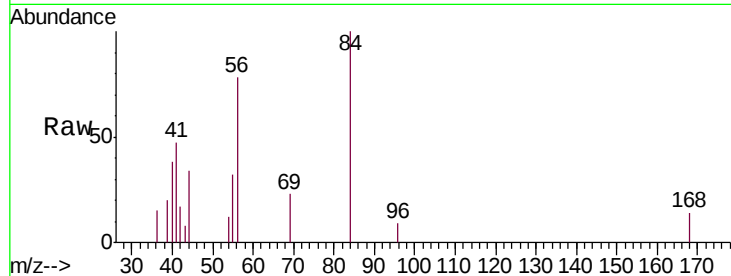




#30
Cyclohexane
Concen: 0.119 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VU032130.D
Acq: 18 May 2019 04:11

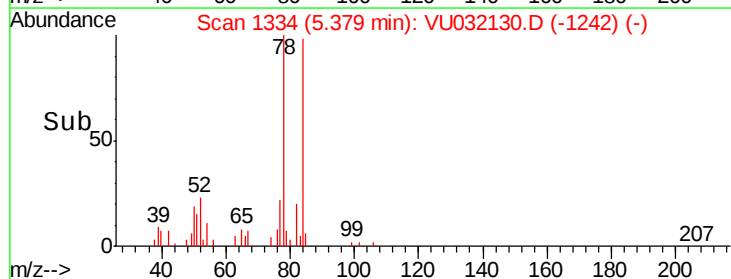
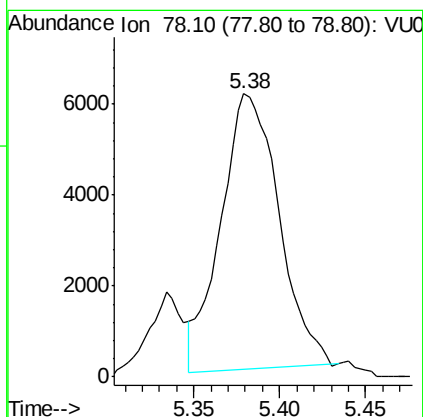
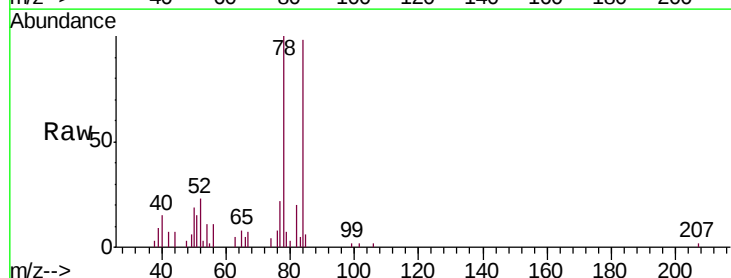
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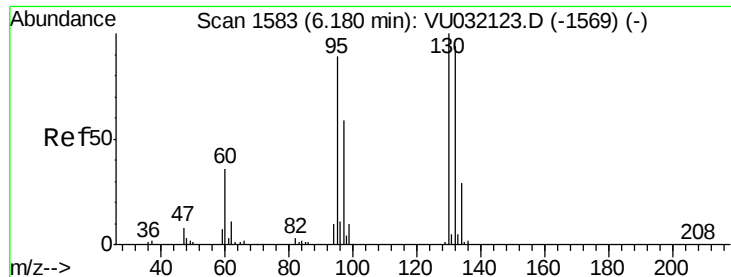
Tgt Ion: 56 Resp: 2282
Ion Ratio Lower Upper
56 100
69 19.8 26.9 40.3#
84 135.3 76.6 115.0#



#33
Benzene
Concen: 0.259 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU032130.D
Acq: 18 May 2019 04:11

Tgt Ion: 78 Resp: 14197

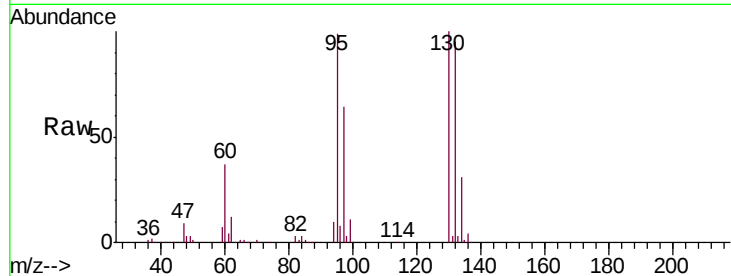




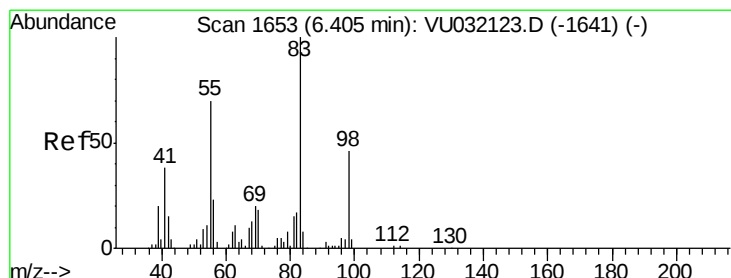
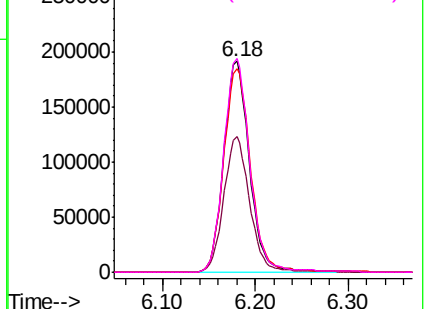
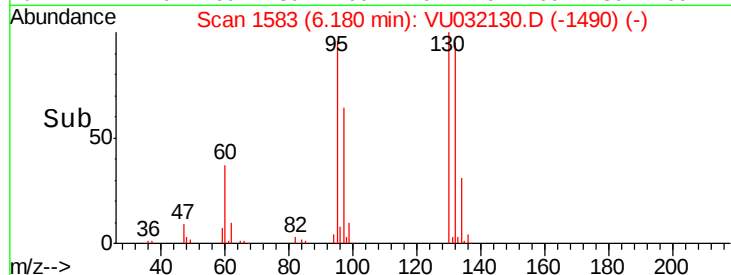
#34
 Trichloroethene
 Concen: 24.852 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032130.D
 Acq: 18 May 2019 04:11

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W32

Tgt Ion: 95 Resp: 369379
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.2 84.0
 132 96.7 66.1 122.7
 130 101.3 66.7 123.9

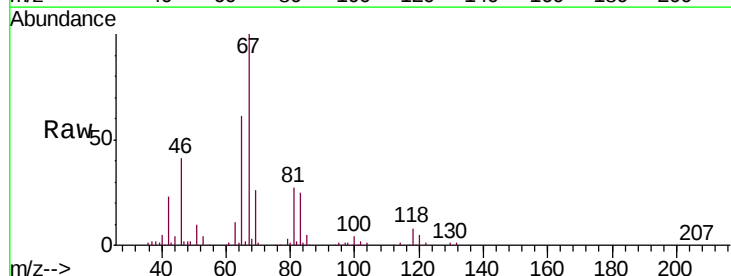


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

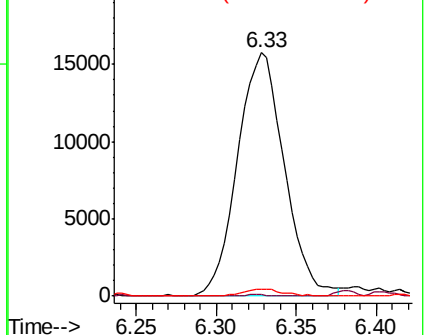
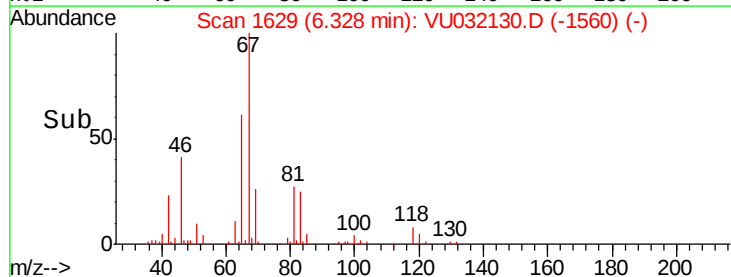


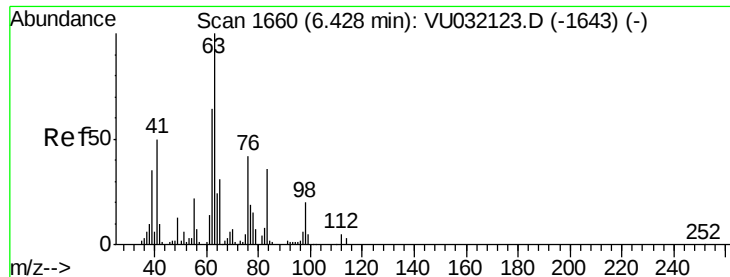
#35
 Methylcyclohexane
 Concen: 1.475 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU032130.D
 Acq: 18 May 2019 04:11

Tgt Ion: 83 Resp: 31573
 Ion Ratio Lower Upper
 83 100
 55 0.3 59.7 89.5#
 98 2.4 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: 1.062 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

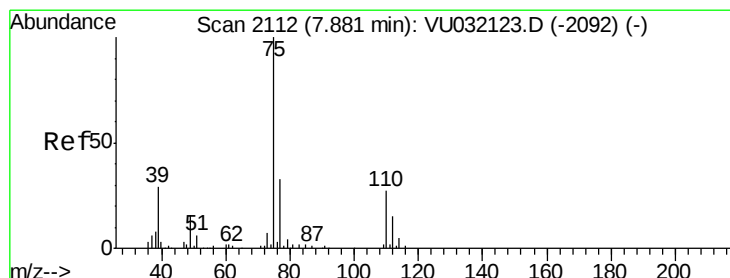
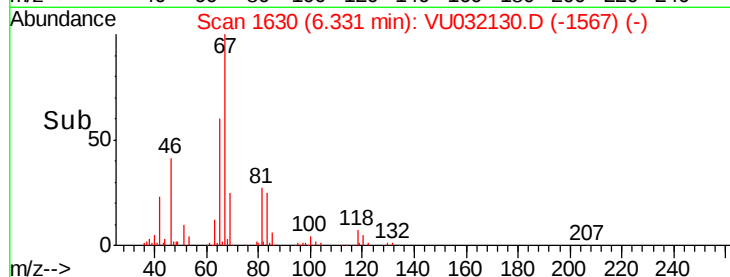
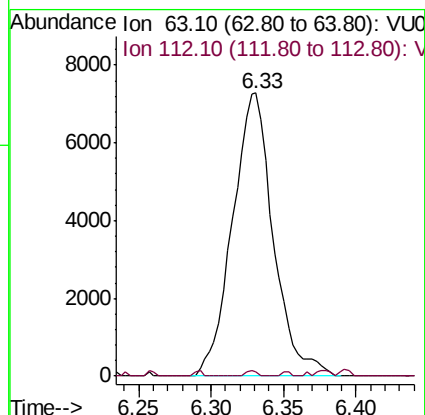
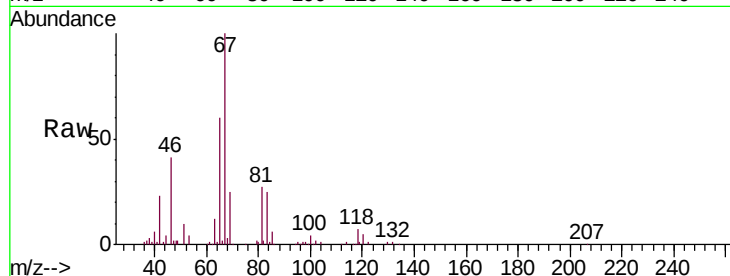
F9W32

Tgt Ion: 63 Resp: 14225

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.6#



#44

trans-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032130.D

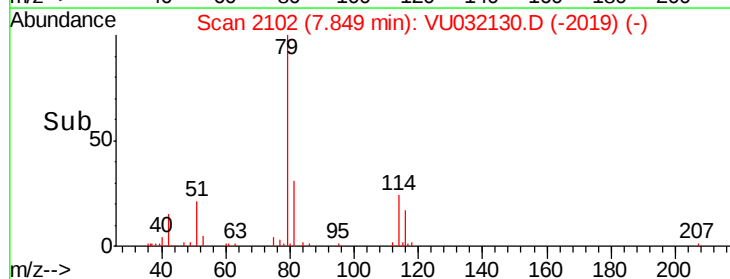
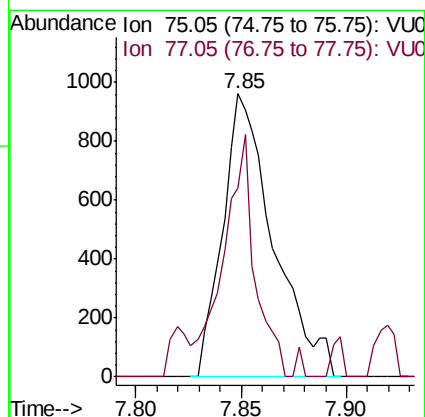
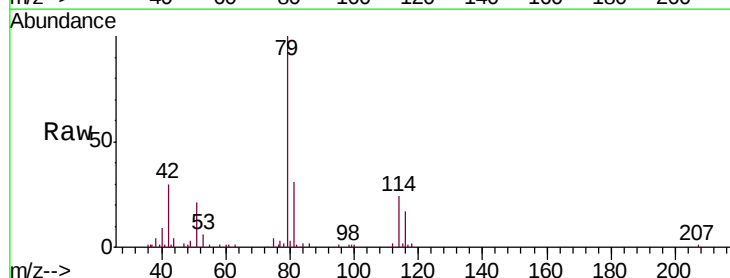
Acq: 18 May 2019 04:11

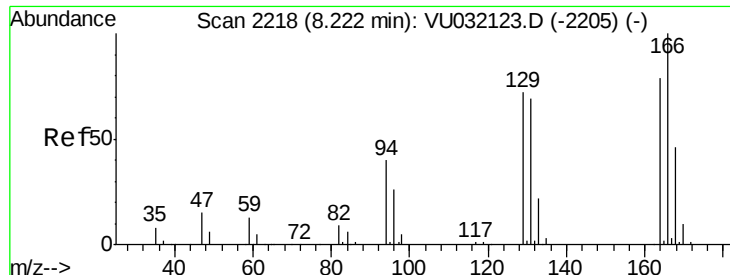
Tgt Ion: 75 Resp: 1606

Ion Ratio Lower Upper

75 100

77 66.7 21.0 39.0#

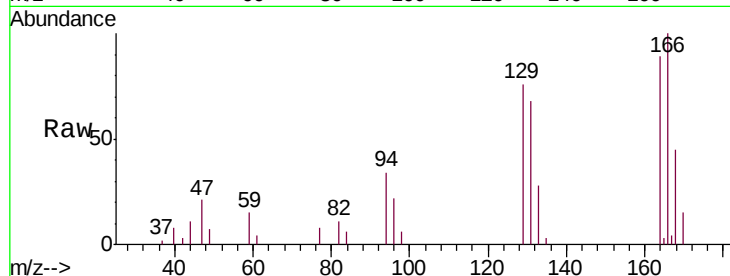




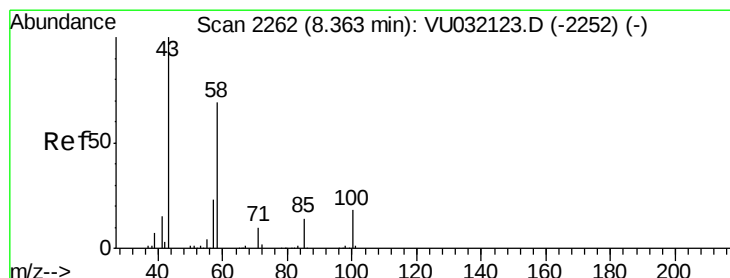
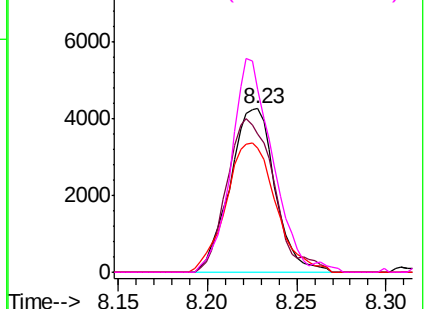
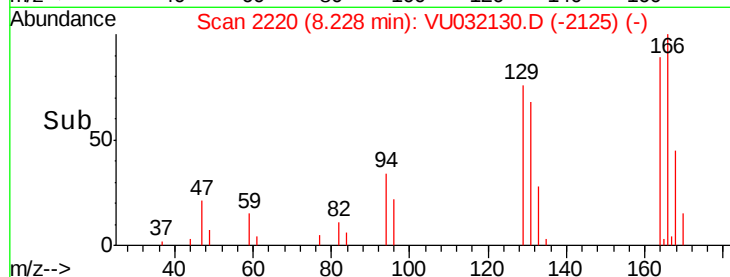
#47
Tetrachloroethene
Concen: 0.678 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU032130.D
Acq: 18 May 2019 04:11

Instrument :
MSVOA_U
ClientSampleId :
F9W32

Tgt Ion: 164 Resp: 7535
Ion Ratio Lower Upper
164 100
129 84.6 70.3 130.5
131 76.4 64.5 119.9
166 111.9 92.3 171.5

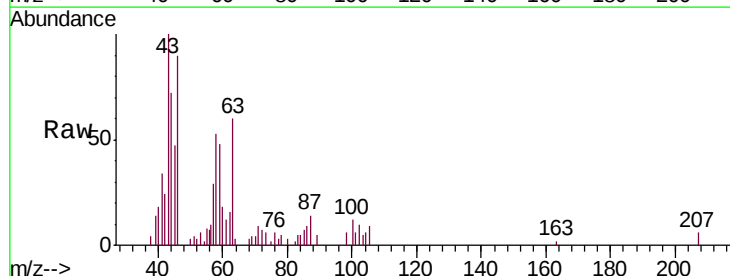


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

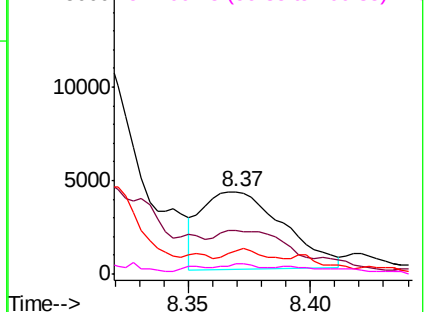
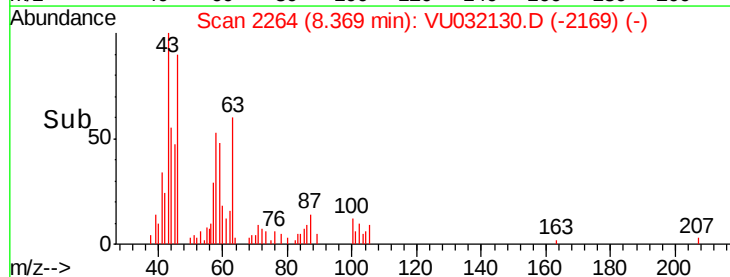


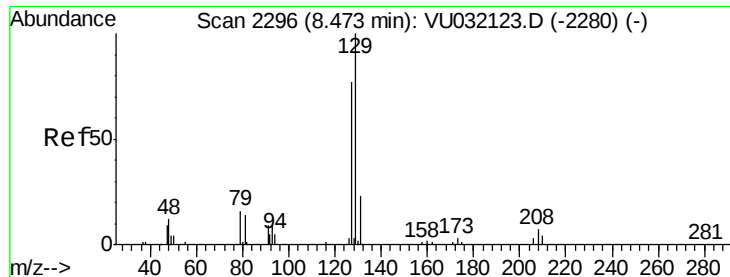
#48
2-Hexanone
Concen: 2.021 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032130.D
Acq: 18 May 2019 04:11

Tgt Ion: 43 Resp: 9735
Ion Ratio Lower Upper
43 100
58 60.3 51.6 77.4
57 15.0 18.4 27.6#
100 3.6 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: 0.648 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

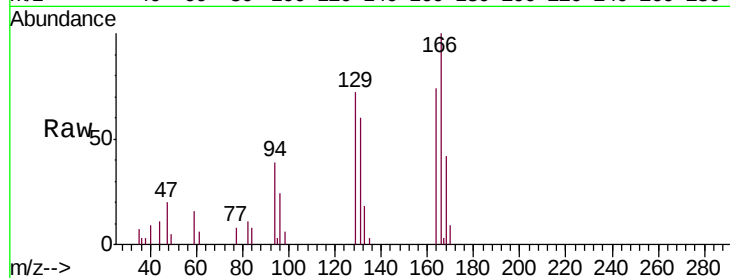
F9W32

Tgt Ion:129 Resp: 7386

Ion Ratio Lower Upper

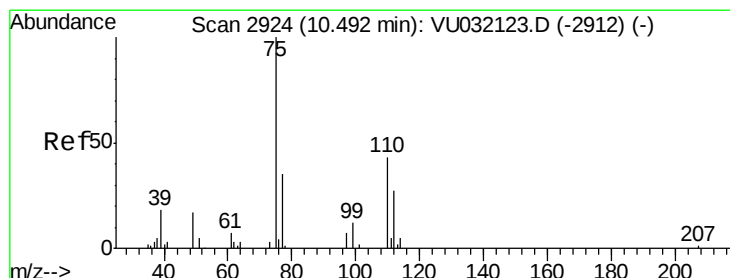
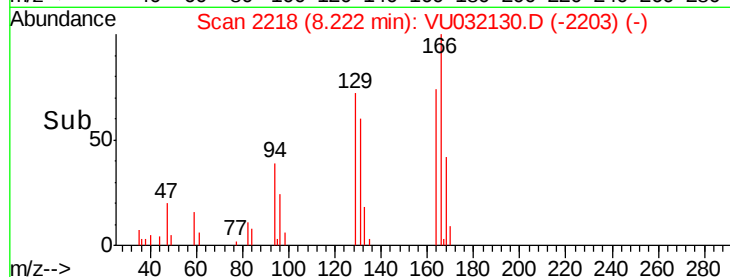
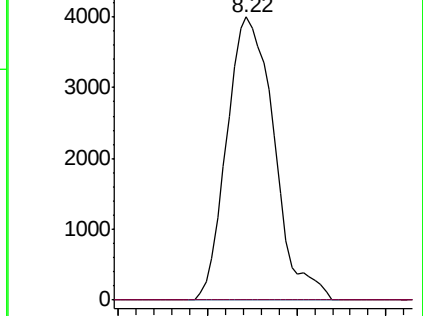
129 100

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



#59

1,2,3-Trichloropropane

Concen: 1.767 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032130.D

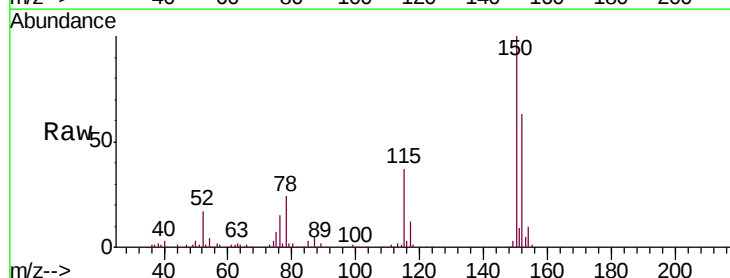
Acq: 18 May 2019 04:11

Tgt Ion: 75 Resp: 15032

Ion Ratio Lower Upper

75 100

77 36.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

