

Data File : VU032129.D
Acq On : 18 May 2019 03:46
Operator : JC/SP
Sample : K2860-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W31

Quant Time: May 18 05:49:47 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	350607	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	364442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	140679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	107342	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.68	69	94096	3.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.60%
11) 1,1-Dichloroethene-d2	2.27	63	157325	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.20	46	265629	45.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.62%
24) Chloroform-d	4.64	84	218688	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.31	65	113140	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.33	84	436435	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
36) 1,2-Dichloropropane-d6	6.32	67	127798	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.60%
41) Toluene-d8	7.56	98	361215	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	7.85	79	44143	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.31	63	229945	43.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118010	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	140782	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3076	0.183 ug/L	97
5) Vinyl chloride	1.40	62	11175	0.632 ug/L	84
12) 1,1-Dichloroethene	2.28	96	8108	0.576 ug/L #	1
13) Acetone	2.34	43	119901	62.990 ug/L	99
15) Methyl Acetate	2.70	43	26749	4.901 ug/L #	43
17) Methyl tert-butyl Ether	3.00	73	11498	0.347 ug/L #	85
18) trans-1,2-Dichloroethene	2.97	96	30398	2.017 ug/L	92
22) cis-1,2-Dichloroethene	4.22	96	193320	13.039 ug/L	87
33) Benzene	5.39	78	14145	0.253 ug/L	100
34) Trichloroethene	6.18	95	363910	23.974 ug/L	94
35) Methylcyclohexane	6.33	83	31639	1.447 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	13846	1.012 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2964	0.157 ug/L #	78
44) trans-1,3-Dichloropropene	7.85	75	1757	0.119 ug/L	84
47) Tetrachloroethene	8.22	164	6626	0.584 ug/L	86
59) 1,2,3-Trichloropropane	11.48	75	13500	1.553 ug/L #	79

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
Response via : Initial Calibration

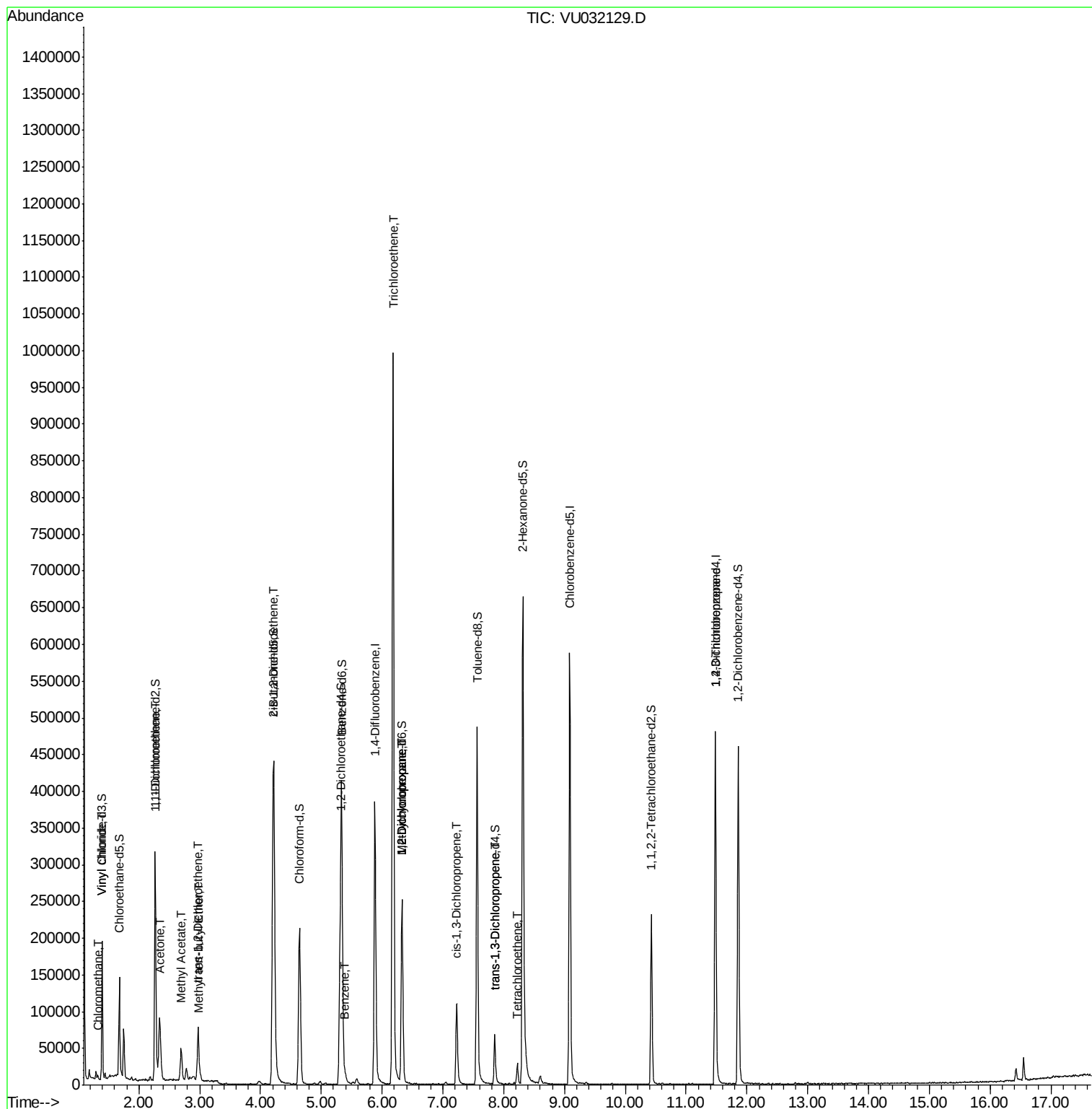
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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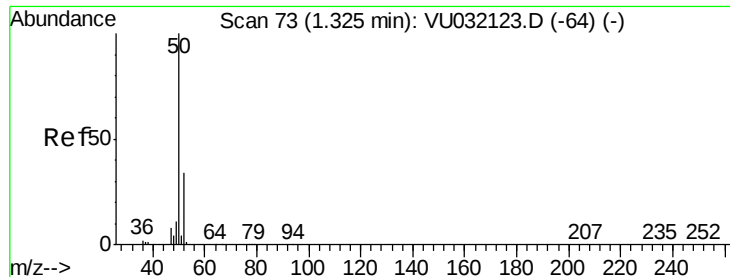
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 18 05:45:56 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.183 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampled :

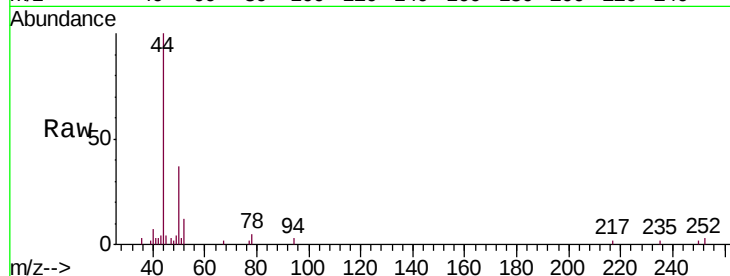
F9W31

Tgt Ion: 50 Resp: 3076

Ion Ratio Lower Upper

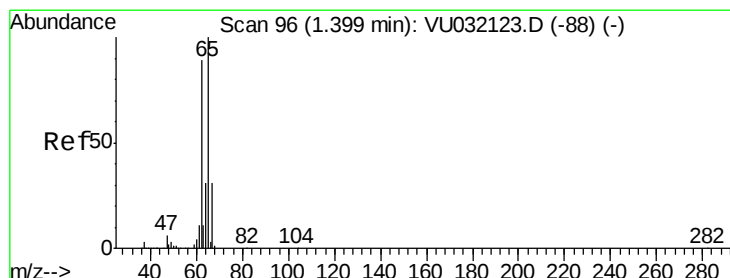
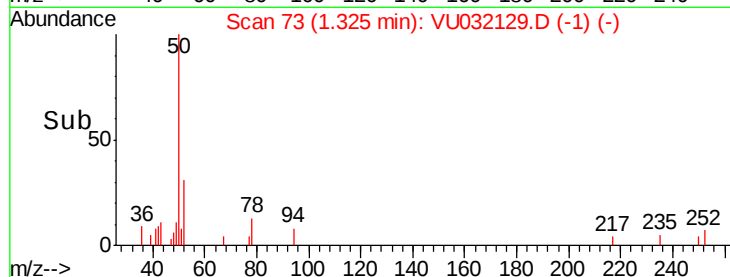
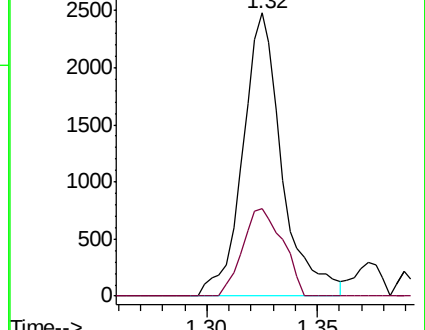
50 100

52 31.2 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU032129.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032129.D (-64) (-)



#5

Vinyl chloride

Concen: 0.632 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032129.D

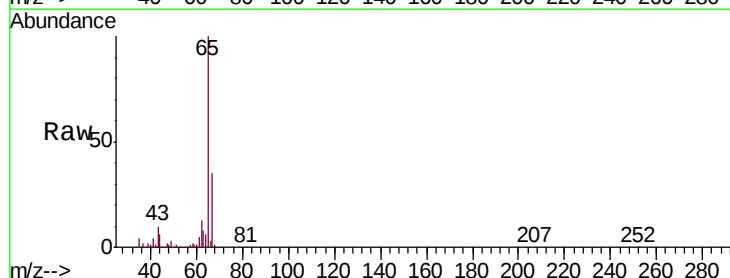
Acq: 18 May 2019 03:46

Tgt Ion: 62 Resp: 11175

Ion Ratio Lower Upper

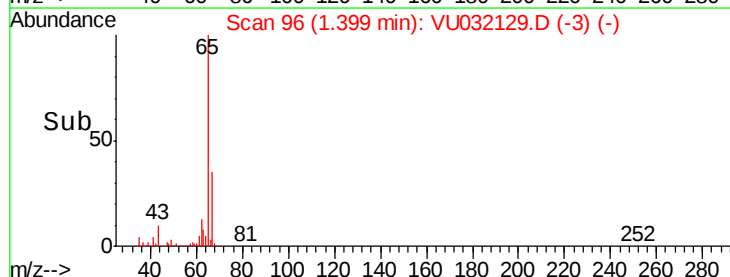
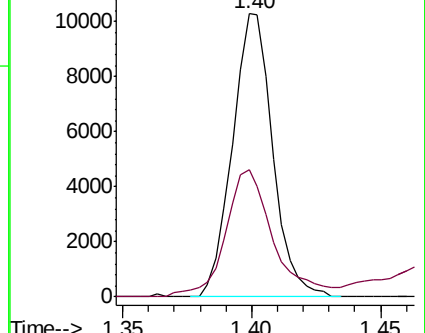
62 100

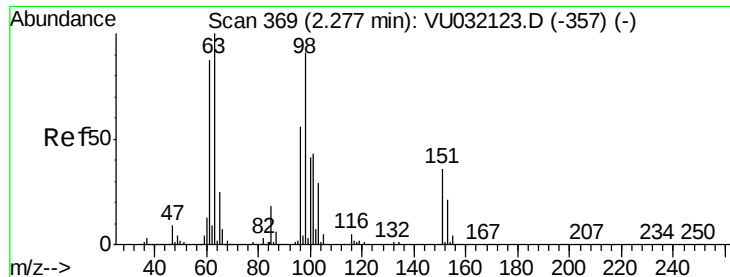
64 45.1 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU032129.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032129.D (-88) (-)





#12

1,1-Dichloroethene

Concen: 0.576 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

F9W31

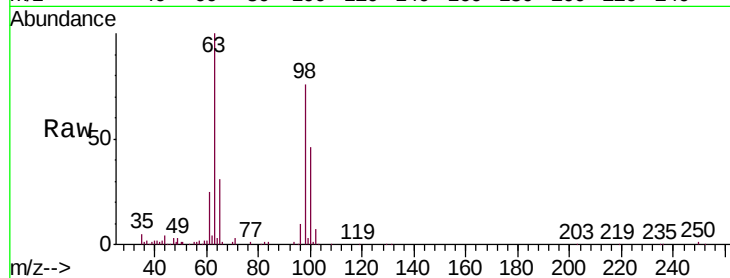
Tgt Ion: 96 Resp: 8108

Ion Ratio Lower Upper

96 100

61 257.3 111.7 207.5#

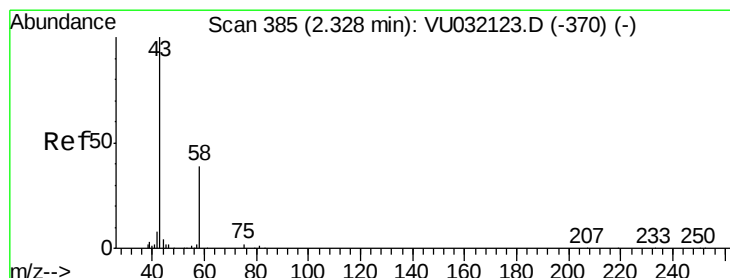
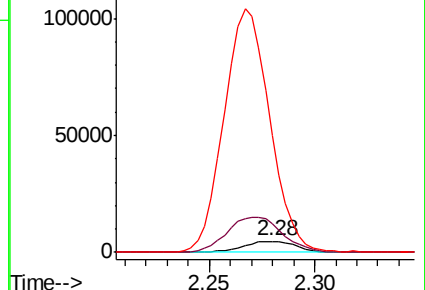
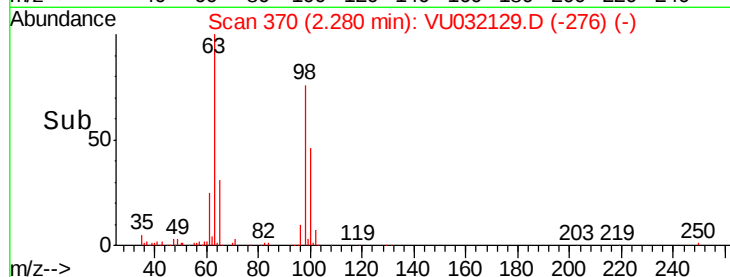
63 1046.3 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032129.D (-276) (-)

Ion 61.05 (60.75 to 61.75): VU032129.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032129.D (-276) (-)



#13

Acetone

Concen: 62.990 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032129.D

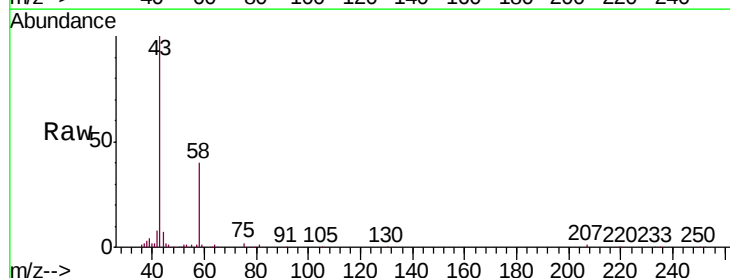
Acq: 18 May 2019 03:46

Tgt Ion: 43 Resp: 119901

Ion Ratio Lower Upper

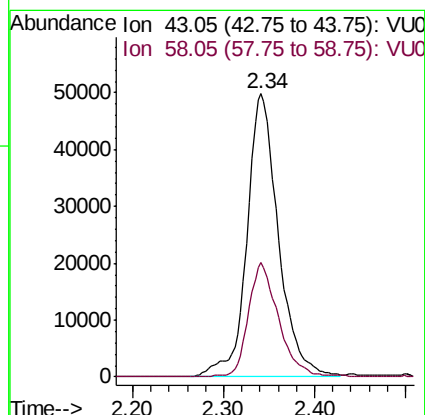
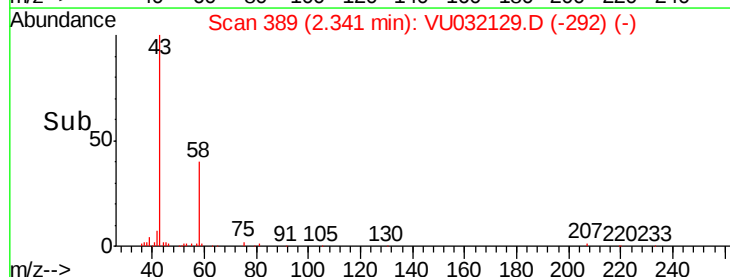
43 100

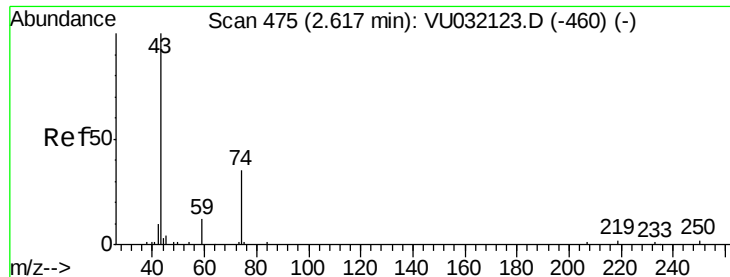
58 38.5 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032129.D (-292) (-)

Ion 58.05 (57.75 to 58.75): VU032129.D (-292) (-)





#15

Methyl Acetate

Concen: 4.901 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.08 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

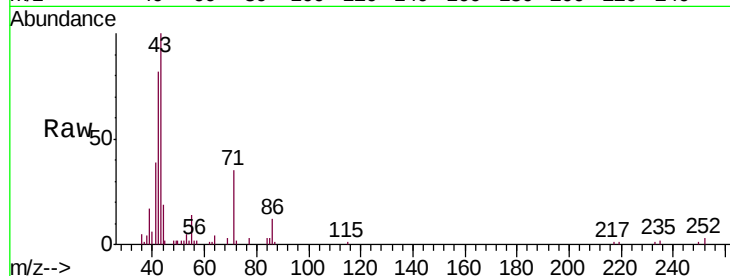
F9W31

Tgt Ion: 43 Resp: 26749

Ion Ratio Lower Upper

43 100

74 0.5 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032129.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU032129.D (-460) (-)

2.70

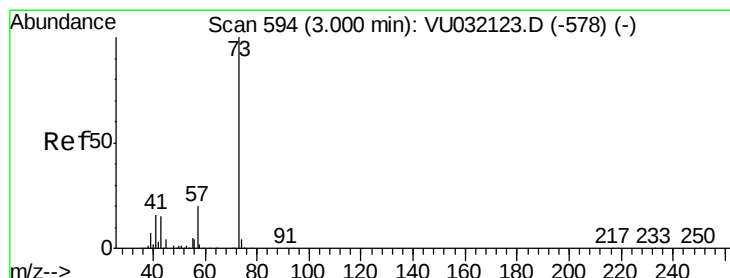
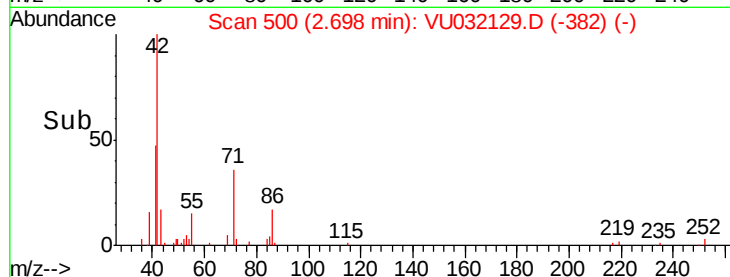
15000

10000

5000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.347 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

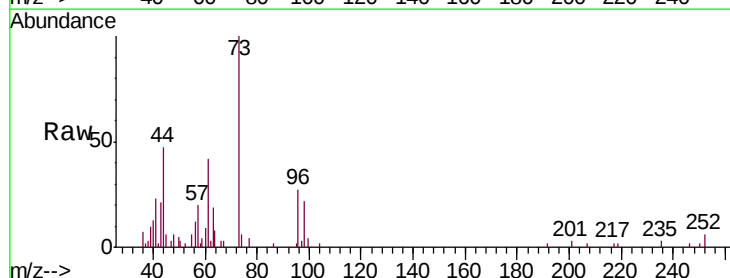
Tgt Ion: 73 Resp: 11498

Ion Ratio Lower Upper

73 100

43 23.0 13.0 19.6#

57 15.2 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VU032129.D (-578) (-)

Ion 43.05 (42.75 to 43.75): VU032129.D (-578) (-)

Ion 57.10 (56.80 to 57.80): VU032129.D (-578) (-)

3.00

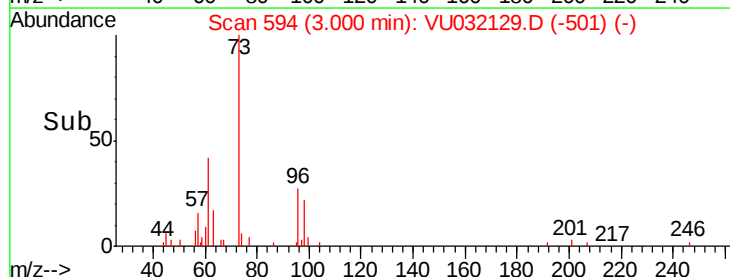
6000

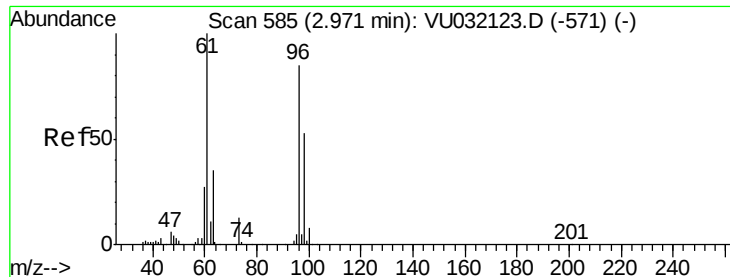
4000

2000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 2.017 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

F9W31

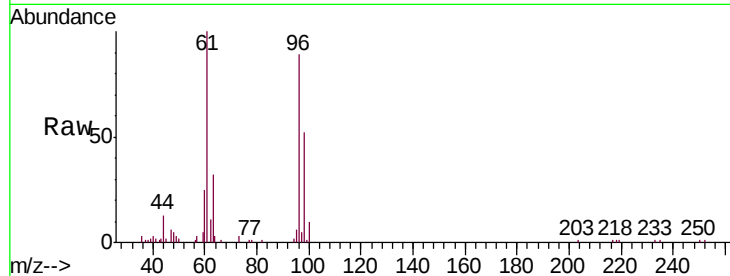
Tgt Ion: 96 Resp: 30398

Ion Ratio Lower Upper

96 100

61 112.8 86.5 160.7

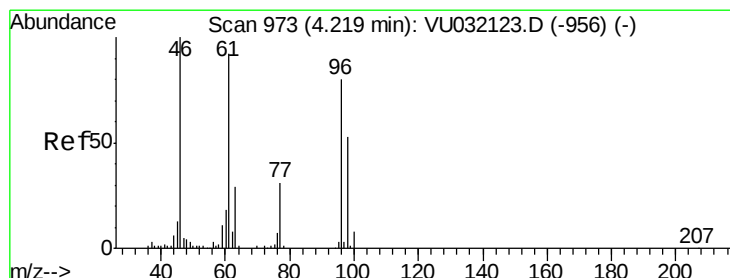
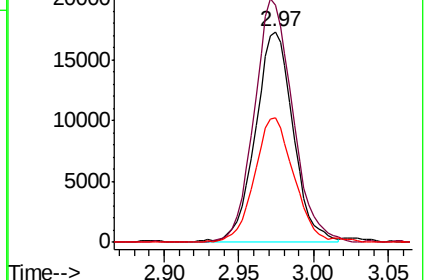
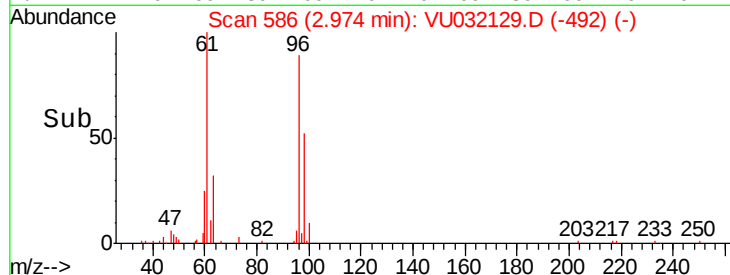
98 58.9 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032129.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032129.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032129.D (-492) (-)



#22

cis-1,2-Dichloroethene

Concen: 13.039 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

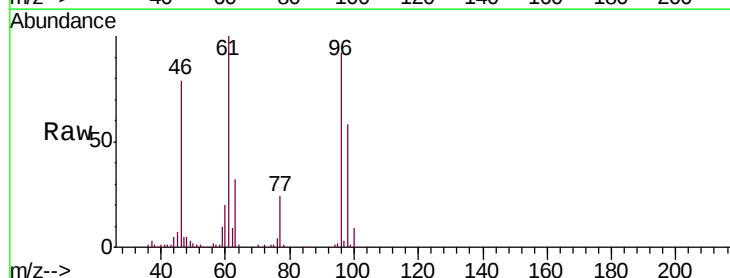
Tgt Ion: 96 Resp: 193320

Ion Ratio Lower Upper

96 100

61 108.2 85.8 159.4

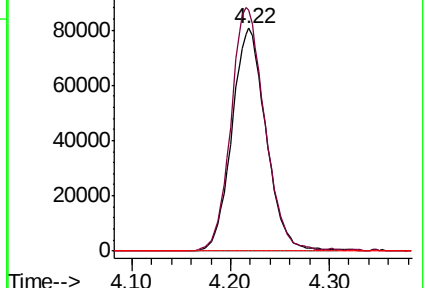
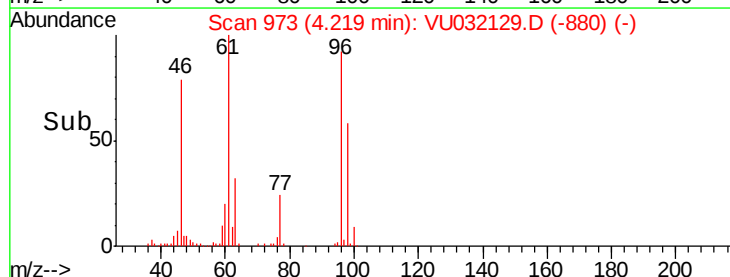
68 0.0 0.0 0.0

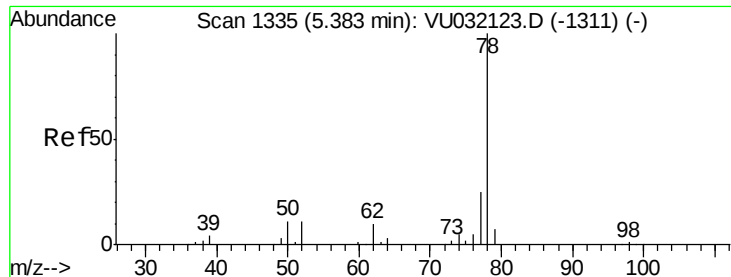


Abundance Ion 96.00 (95.70 to 96.70): VU032129.D (-880) (-)

Ion 61.05 (60.75 to 61.75): VU032129.D (-880) (-)

Ion 68.15 (67.85 to 68.85): VU032129.D (-880) (-)





#33

Benzene

Concen: 0.253 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

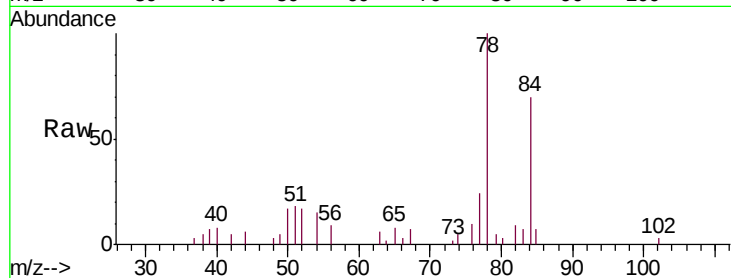
Instrument :

MSVOA_U

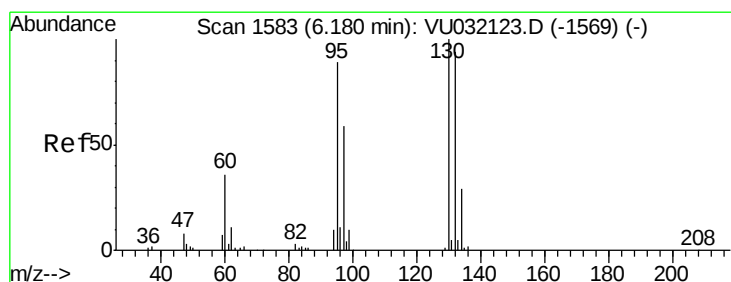
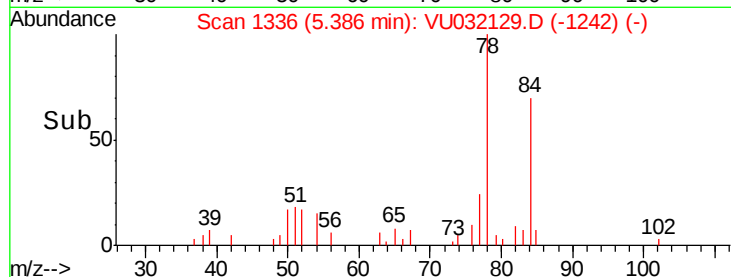
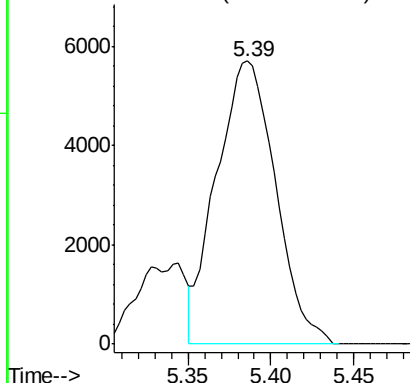
ClientSampleId :

F9W31

Tgt Ion: 78 Resp: 14145



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 23.974 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Tgt Ion: 95 Resp: 363910

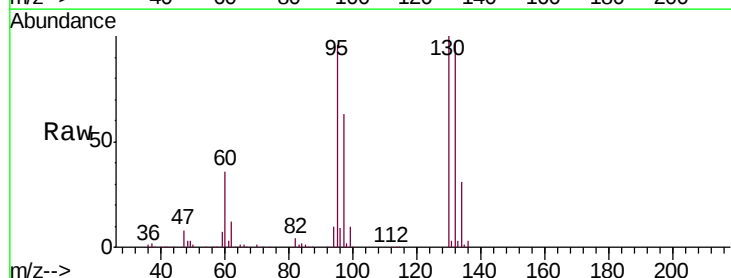
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.2	84.0
132	101.1	66.1	122.7
130	104.4	66.7	123.9

95 100

97 65.6 45.2 84.0

132 101.1 66.1 122.7

130 104.4 66.7 123.9

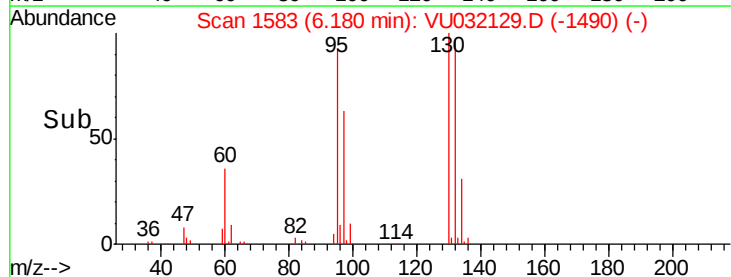
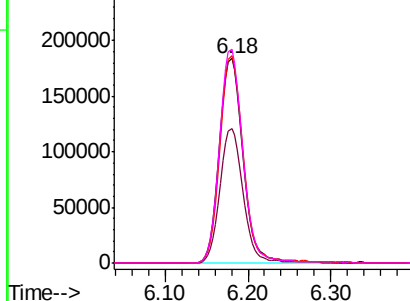


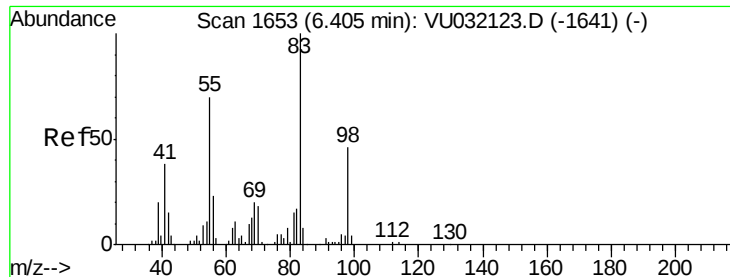
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

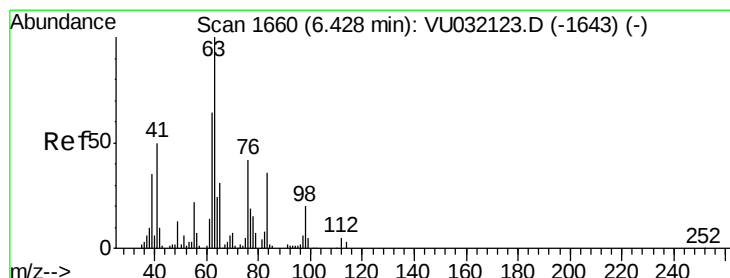
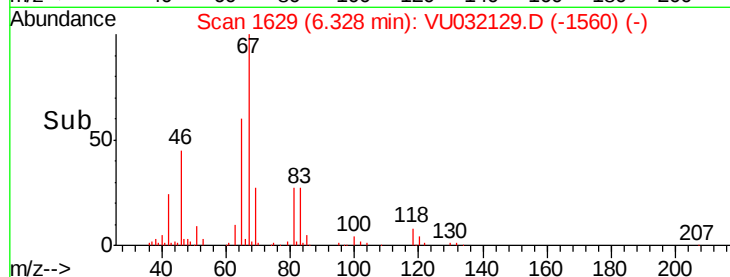
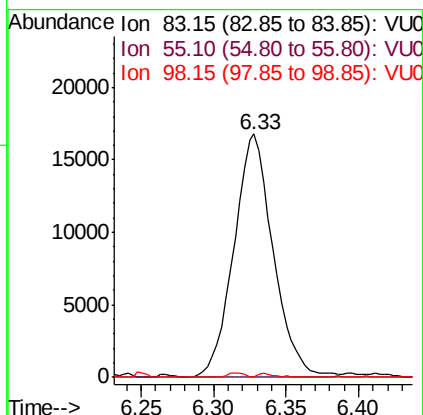
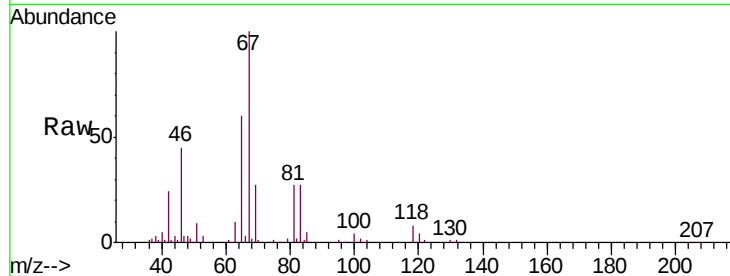




#35
Methylcyclohexane
Concen: 1.447 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032129.D
Acq: 18 May 2019 03:46

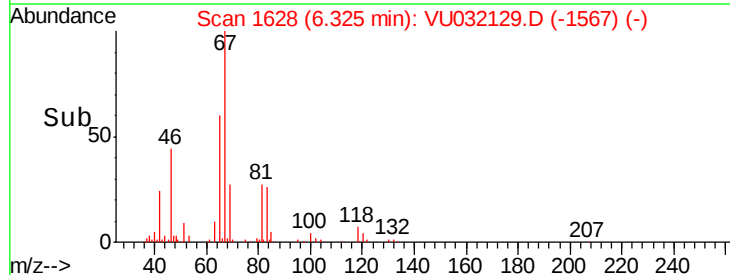
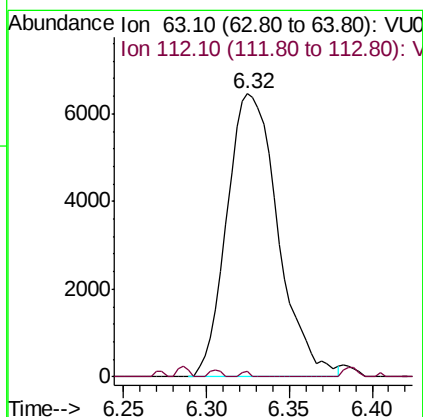
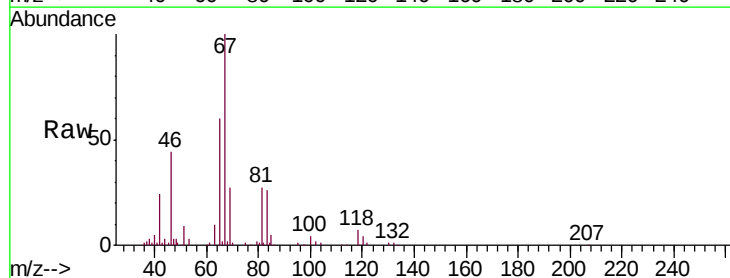
Instrument :
MSVOA_U
ClientSampleId :
F9W31

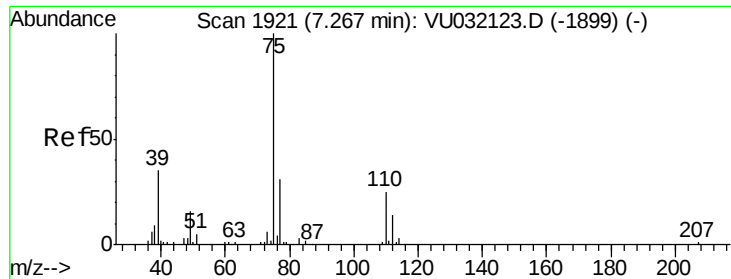
Tgt Ion: 83 Resp: 31639
Ion Ratio Lower Upper
83 100
55 0.1 59.7 89.5#
98 1.4 36.8 55.2#



#37
1,2-Dichloropropane
Concen: 1.012 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032129.D
Acq: 18 May 2019 03:46

Tgt Ion: 63 Resp: 13846
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.6#

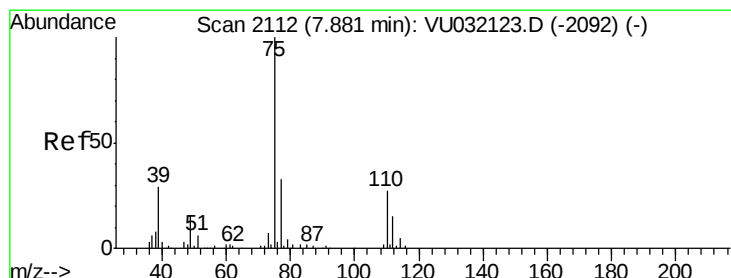
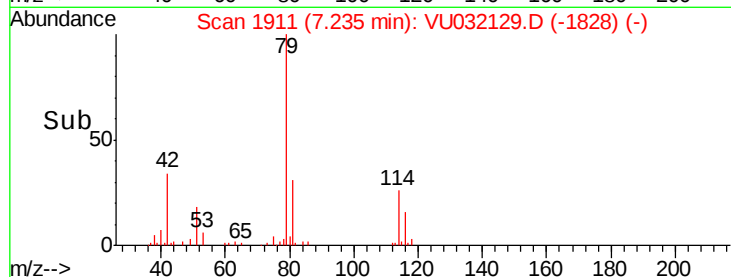
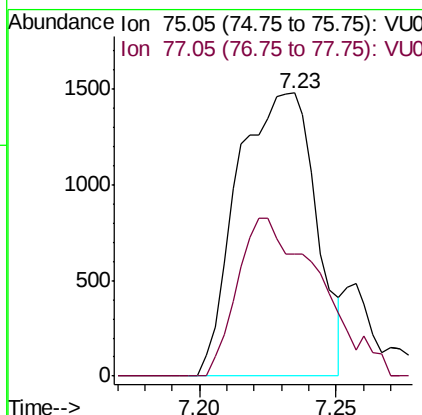
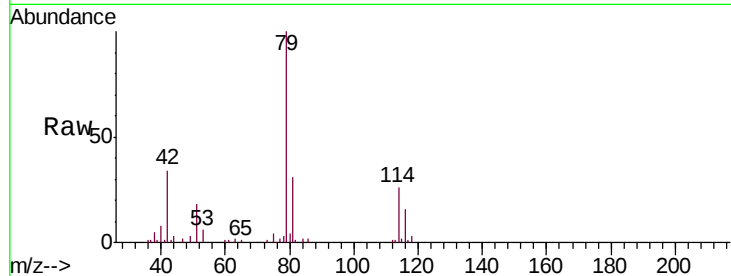




#39
 cis-1,3-Dichloropropene
 Concen: 0.157 ug/L
 RT: 7.23 min Scan# 1911
 Delta R.T. -0.03 min
 Lab File: VU032129.D
 Acq: 18 May 2019 03:46

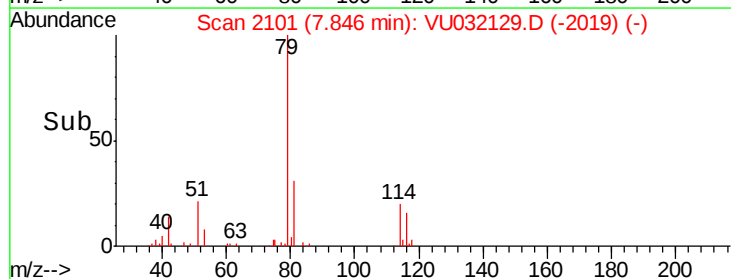
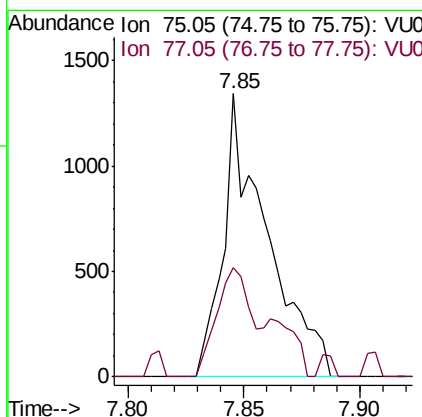
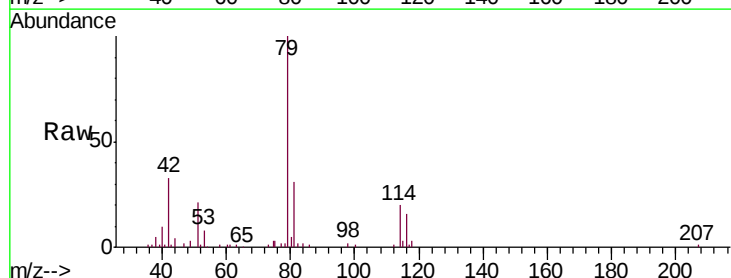
Instrument :
 MSVOA_U
 ClientSampleId :
 F9W31

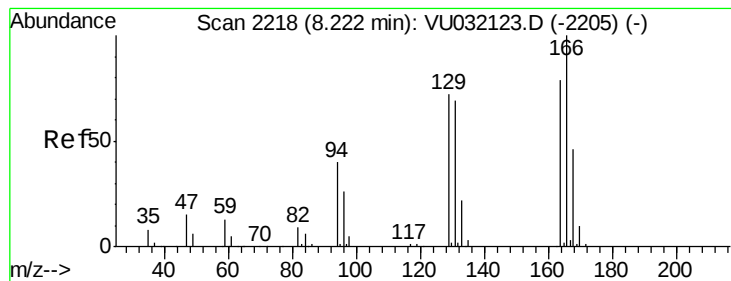
Tgt Ion: 75 Resp: 2964
 Ion Ratio Lower Upper
 75 100
 77 43.1 21.7 40.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.04 min
 Lab File: VU032129.D
 Acq: 18 May 2019 03:46

Tgt Ion: 75 Resp: 1757
 Ion Ratio Lower Upper
 75 100
 77 38.8 21.0 39.0





#47

Tetrachloroethene

Concen: 0.584 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

F9W31

Tgt Ion:164 Resp: 6626

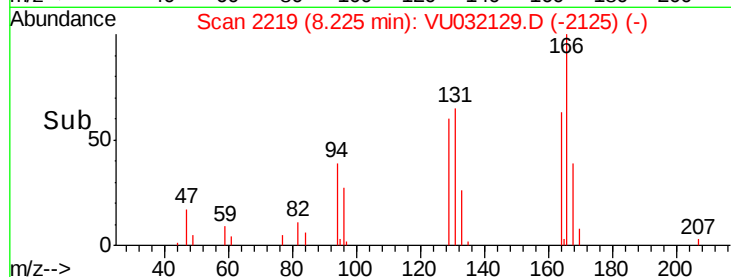
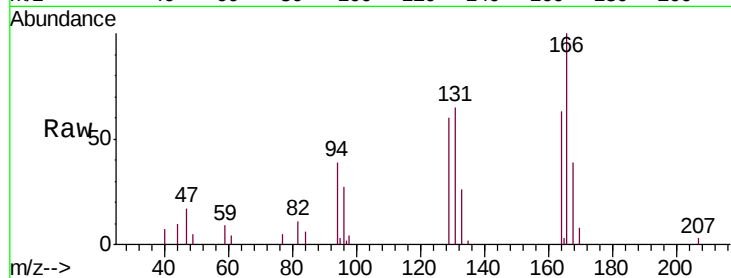
Ion Ratio Lower Upper

164 100

129 95.1 70.3 130.5

131 103.4 64.5 119.9

166 159.3 92.3 171.5

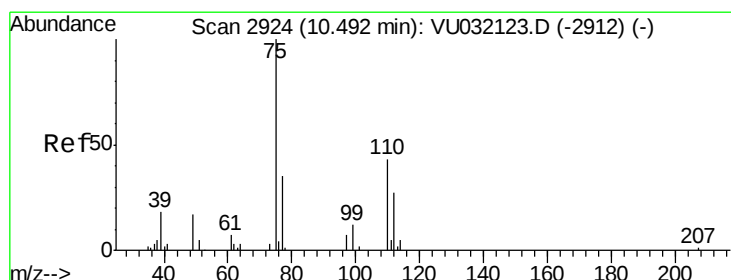
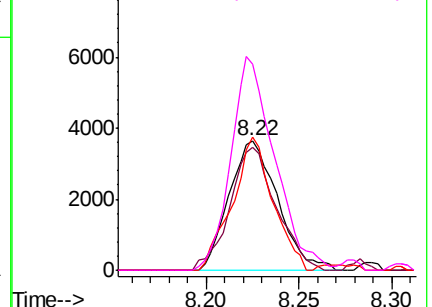


Abundance Ion 163.90 (163.60 to 164.60): V

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



#59

1,2,3-Trichloropropane

Concen: 1.553 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032129.D

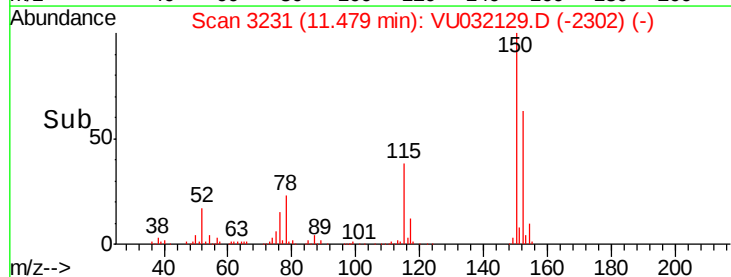
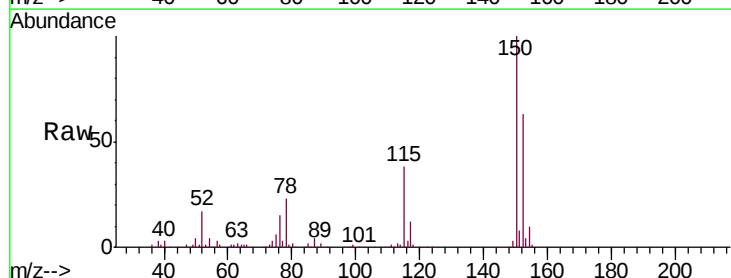
Acq: 18 May 2019 03:46

Tgt Ion: 75 Resp: 13500

Ion Ratio Lower Upper

75 100

77 44.3 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

