

Data File : VU032037.D
Acq On : 15 May 2019 17:20
Operator : JC/SP
Sample : K2738-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB895

Quant Time: May 16 04:30:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 04:24:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1076029	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1048174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	400253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	369487	39.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.26%
7) Chloroethane-d5	1.67	69	294992	38.59	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.18%
11) 1,1-Dichloroethene-d2	2.27	63	602444	35.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.20%
21) 2-Butanone-d5	4.17	46	588435	89.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.00%
24) Chloroform-d	4.64	84	643104	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.38%
26) 1,2-Dichloroethane-d4	5.31	65	421060	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.60%
32) Benzene-d6	5.34	84	1384744	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
36) 1,2-Dichloropropane-d6	6.32	67	461431	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.18%
41) Toluene-d8	7.56	98	1192158	43.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.70%
43) trans-1,3-Dichloropropene-	7.85	79	182813	41.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.78%
47) 2-Hexanone-d5	8.31	63	371783	91.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.57%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	633826	42.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	406228	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

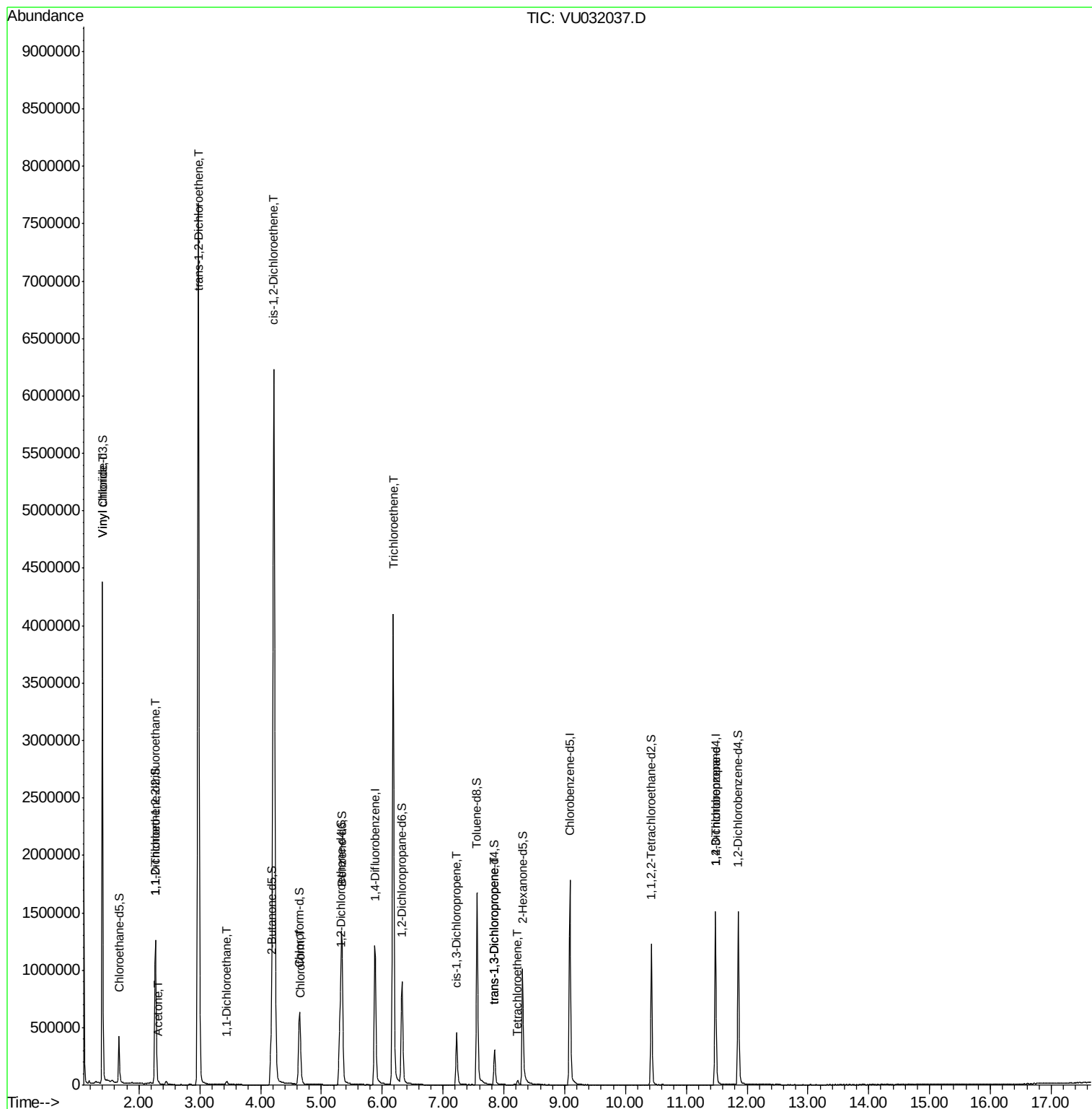
						Qvalue
5) Vinyl chloride	1.40	62	2515526	217.048	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	5409	0.675	ug/L #	25
13) Acetone	2.32	43	20413	3.003	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	3032198	366.779	ug/L	98
19) 1,1-Dichloroethane	3.44	63	26534	1.634	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	3559519	389.260	ug/L	99
25) Chloroform	4.67	83	13224	0.824	ug/L	100
34) Trichloroethene	6.18	95	1519614	178.719	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	11111	0.849	ug/L	87
44) trans-1,3-Dichloropropene	7.85	75	7668	0.667	ug/L	96
46) Tetrachloroethene	8.22	164	9867	1.644	ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	50940	4.235	ug/L	99

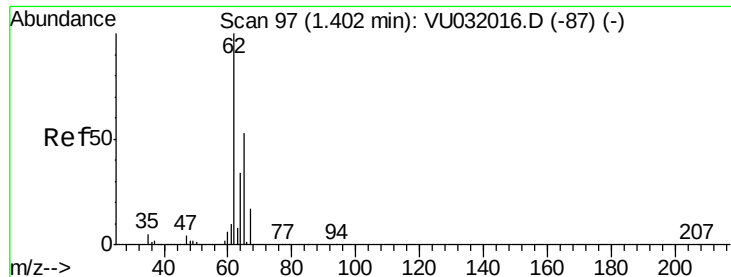
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 217.048 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032037.D

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Instrument :

MSVOA_U

ClientSampleId :

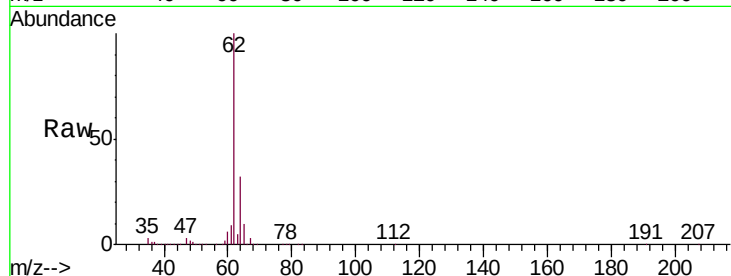
DB895

Tgt Ion: 62 Resp: 2515526

Ion Ratio Lower Upper

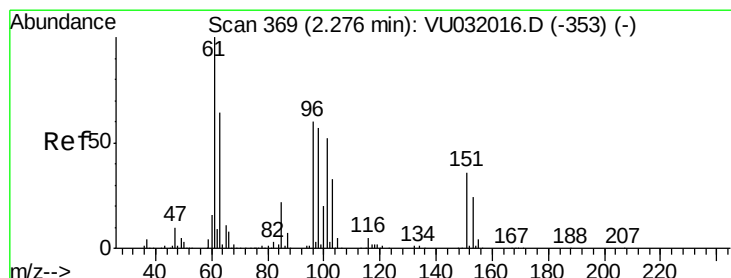
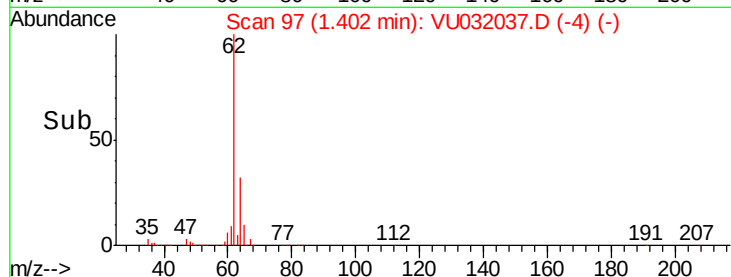
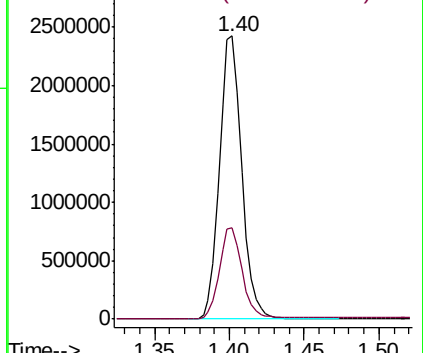
62 100

64 32.4 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU032016.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU032016.D (-87) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.675 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

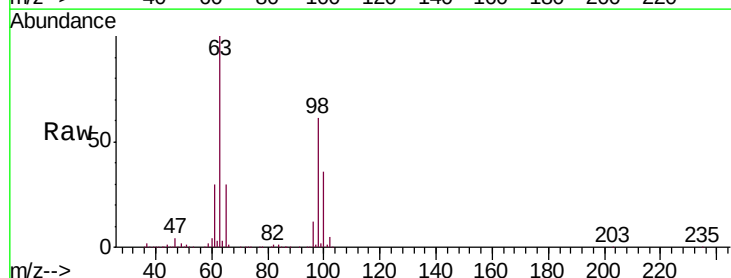
Tgt Ion: 101 Resp: 5409

Ion Ratio Lower Upper

101 100

85 4.1 34.1 51.1#

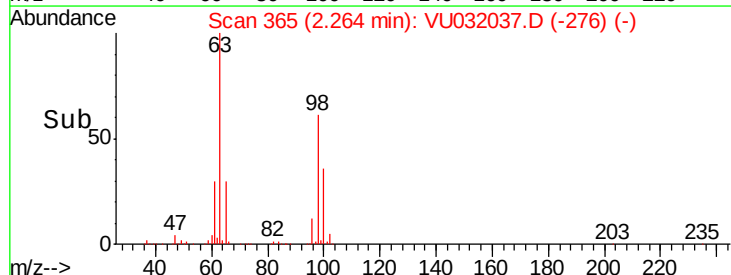
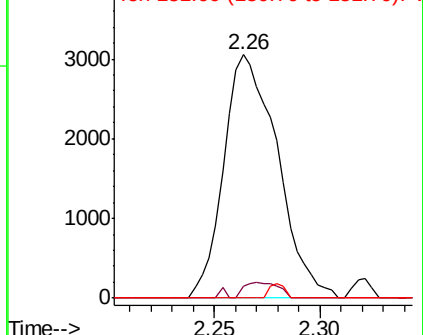
151 1.7 55.8 83.8#

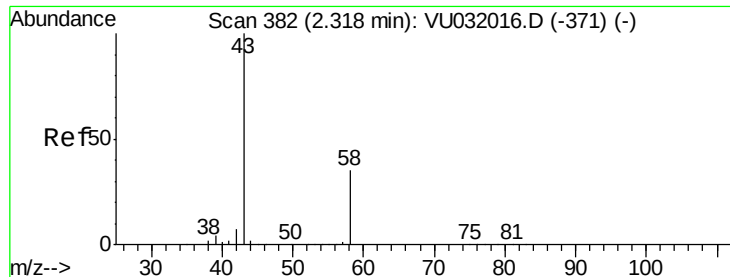


Abundance Ion 101.00 (100.70 to 101.70): VU032016.D (-353) (-)

Ion 85.00 (84.70 to 85.70): VU032016.D (-353) (-)

Ion 151.00 (150.70 to 151.70): VU032016.D (-353) (-)





#13

Acetone

Concen: 3.003 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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Acq: 15 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

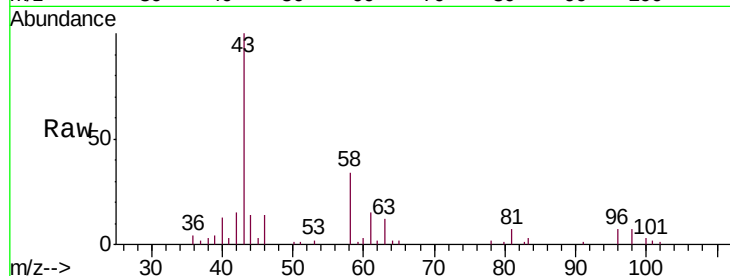
DB895

Tgt Ion: 43 Resp: 20413

Ion Ratio Lower Upper

43 100

58 35.6 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VU032037.D (-493) (-)

Ion 58.00 (57.70 to 58.70): VU032037.D (-493) (-)

15000

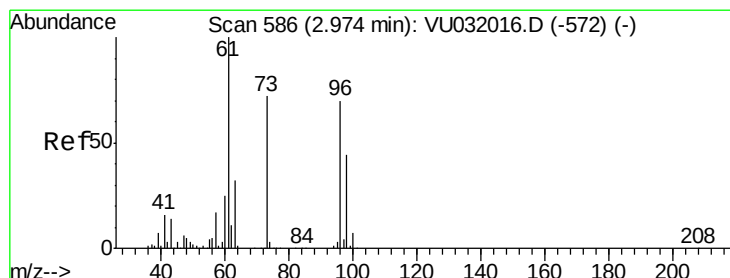
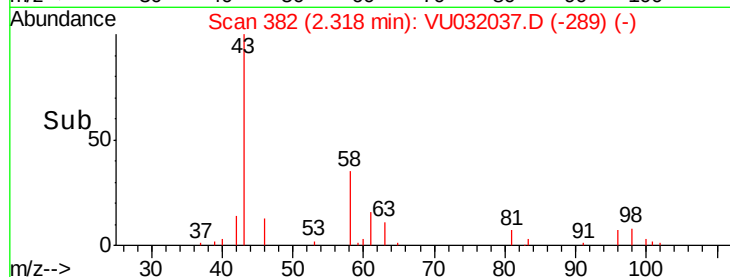
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#17

trans-1,2-Dichloroethene

Concen: 366.779 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

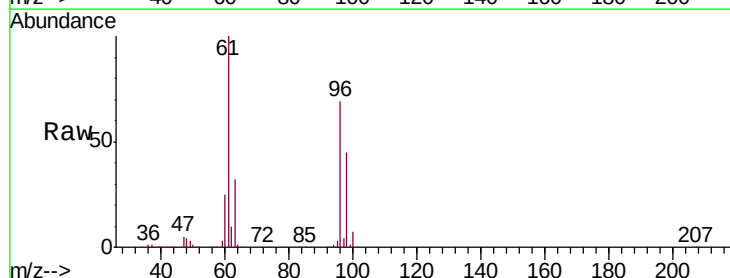
Tgt Ion: 96 Resp: 3032198

Ion Ratio Lower Upper

96 100

61 144.6 103.2 191.6

98 64.6 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU032037.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032037.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032037.D (-493) (-)

3000000

2500000

2000000

1500000

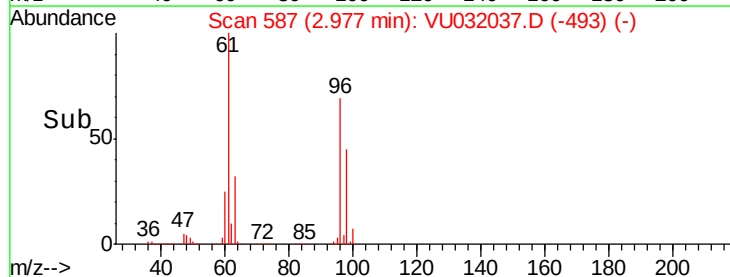
1000000

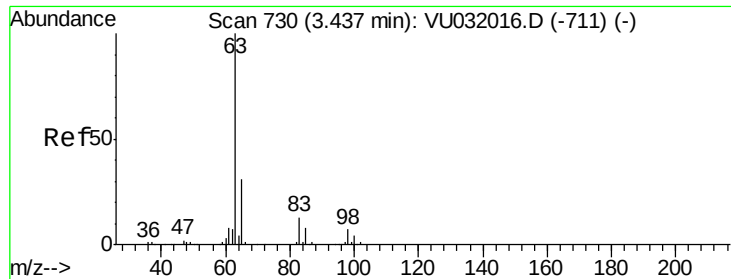
500000

0

2.90 2.95 3.00 3.05 3.10

Time-->

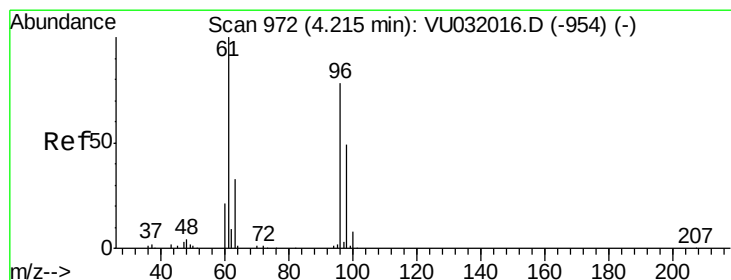
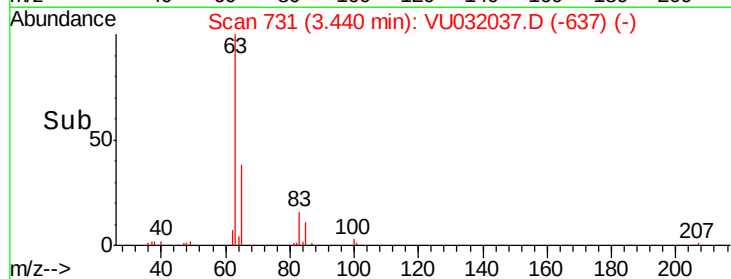
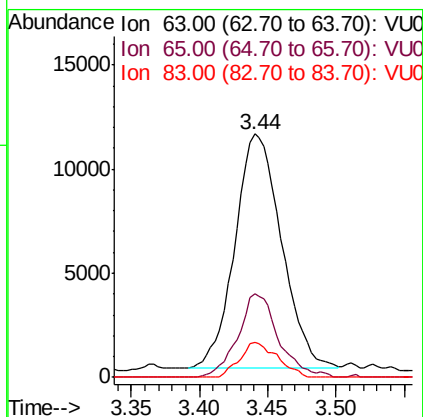
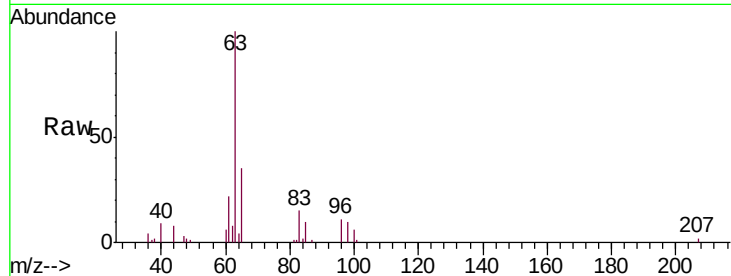




#19
 1,1-Dichloroethane
 Concen: 1.634 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032037.D
 Acq: 15 May 2019 17:20

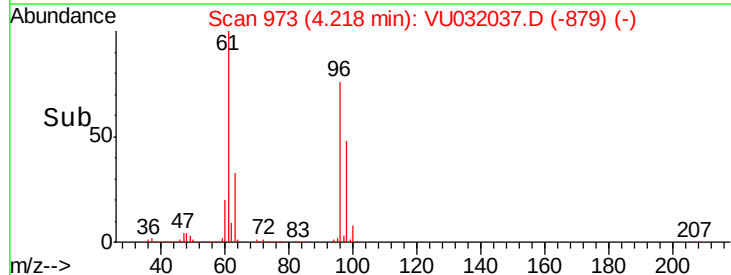
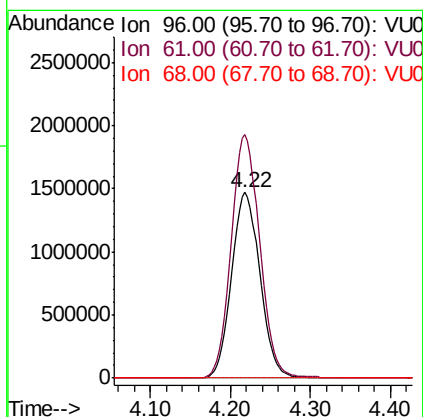
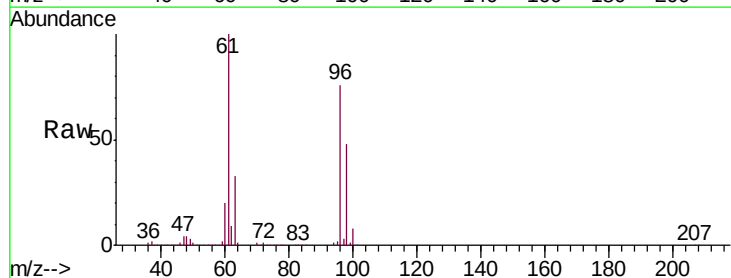
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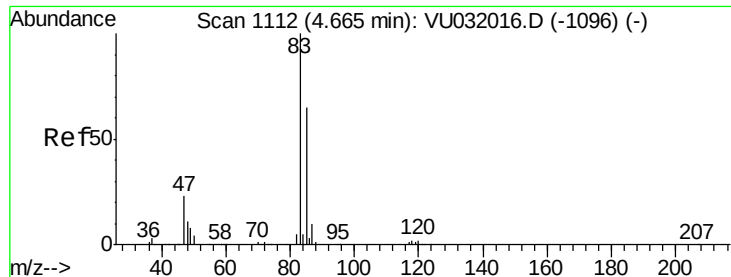
Tgt Ion: 63 Resp: 26534
 Ion Ratio Lower Upper
 63 100
 65 34.5 22.2 41.2
 83 14.5 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 389.260 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032037.D
 Acq: 15 May 2019 17:20

Tgt Ion: 96 Resp: 3559519
 Ion Ratio Lower Upper
 96 100
 61 131.2 93.0 172.8
 68 0.0 0.0 0.0

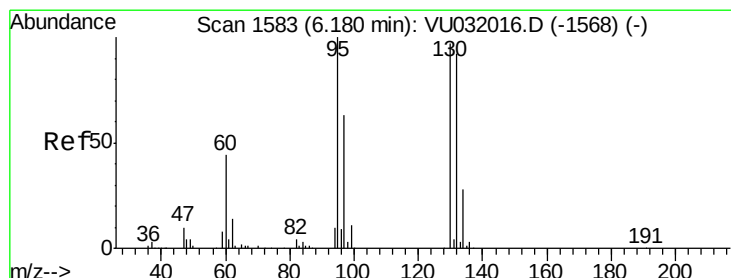
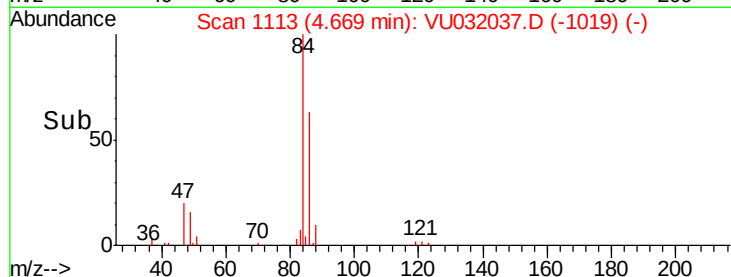
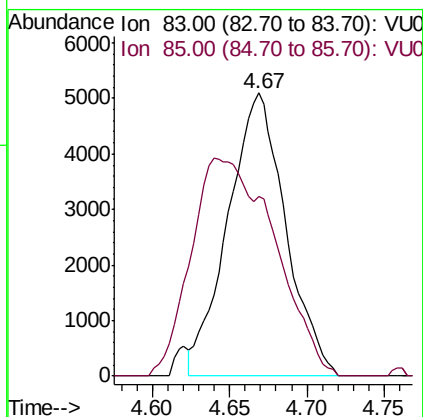
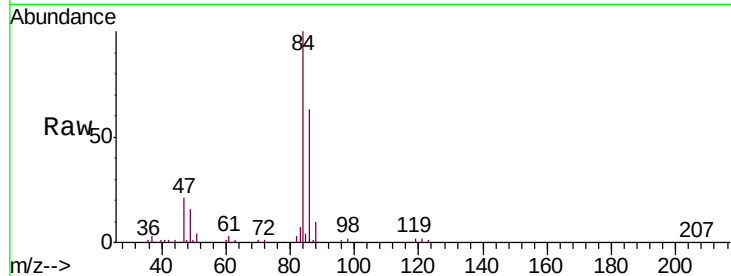




#25
Chloroform
Concen: 0.824 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032037.D
Acq: 15 May 2019 17:20

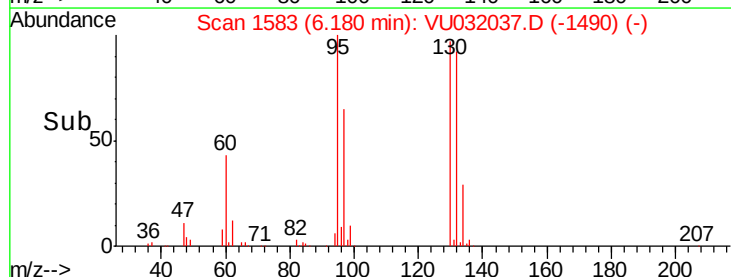
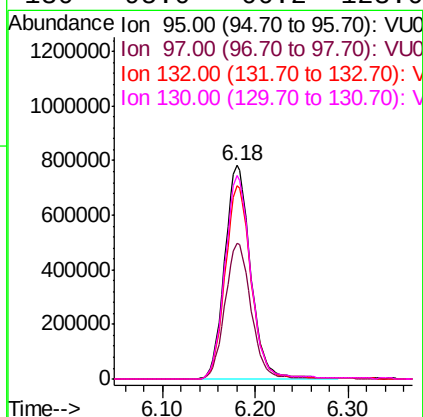
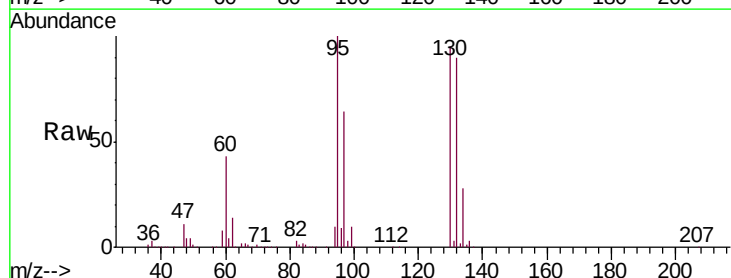
Instrument :
MSVOA_U
ClientSampleId :
DB895

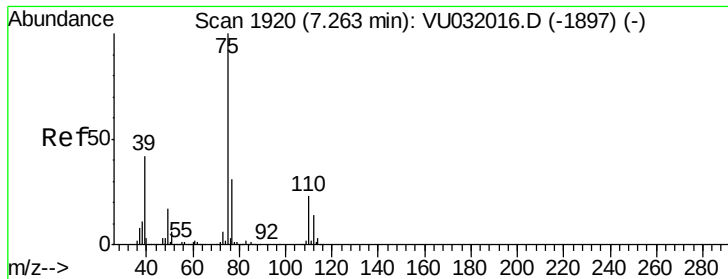
Tgt Ion: 83 Resp: 13224
Ion Ratio Lower Upper
83 100
85 63.4 44.2 82.2



#34
Trichloroethene
Concen: 178.719 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032037.D
Acq: 15 May 2019 17:20

Tgt Ion: 95 Resp: 1519614
Ion Ratio Lower Upper
95 100
97 63.5 44.9 83.3
132 90.5 63.5 117.9
130 95.0 66.2 123.0





#39

cis-1,3-Dichloropropene

Concen: 0.849 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

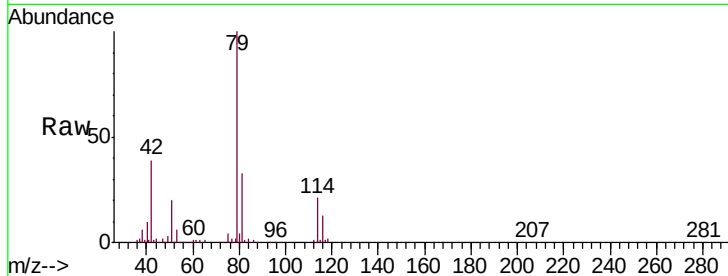
DB895

Tgt Ion: 75 Resp: 11111

Ion Ratio Lower Upper

75 100

77 38.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU032016.D (-1897) (-)

Ion 77.00 (76.70 to 77.70): VU032016.D (-1897) (-)

7.22

6000

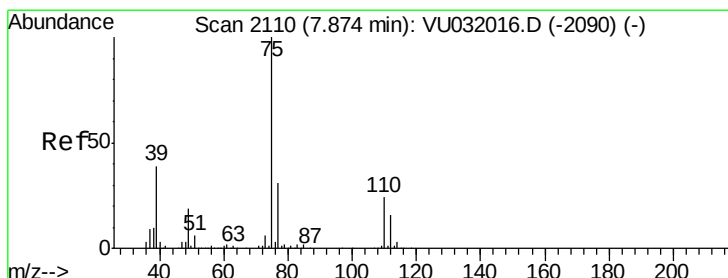
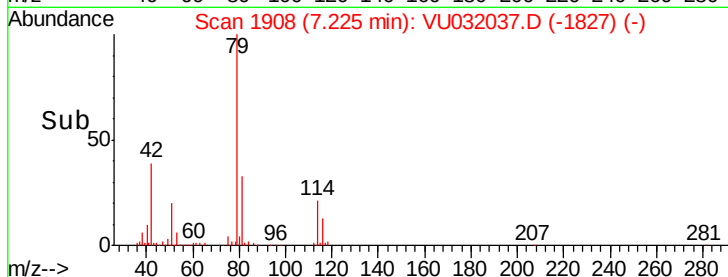
4000

2000

0

7.20 7.25

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.667 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032037.D

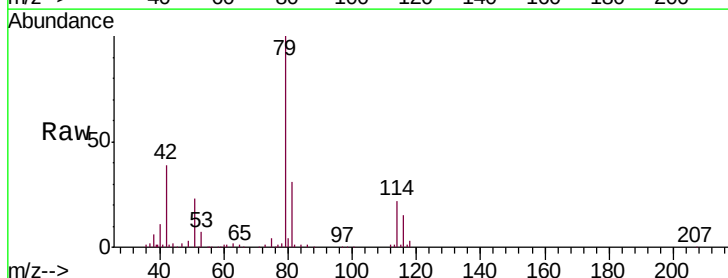
Acq: 15 May 2019 17:20

Tgt Ion: 75 Resp: 7668

Ion Ratio Lower Upper

75 100

77 34.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU032016.D (-2090) (-)

Ion 77.00 (76.70 to 77.70): VU032016.D (-2090) (-)

7.85

5000

4000

3000

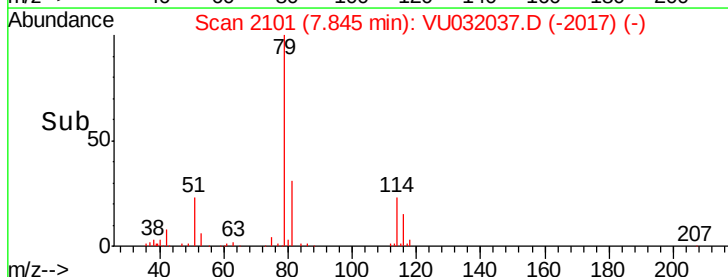
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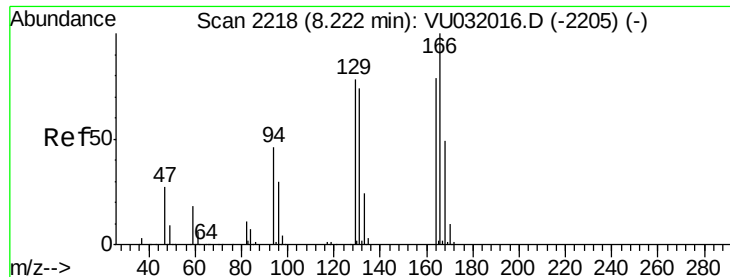
1000

0

7.80 7.85 7.90

Time-->





#46

Tetrachloroethene

Concen: 1.644 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

DB895

Tgt Ion:164 Resp: 9867

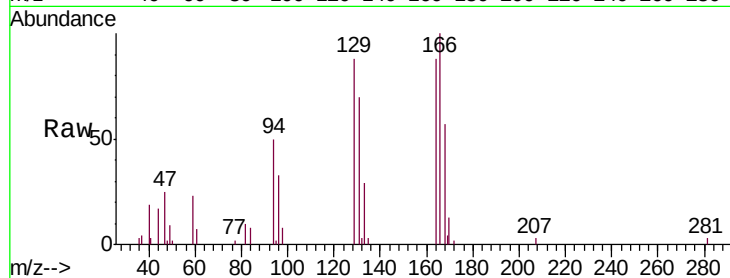
Ion Ratio Lower Upper

164 100

129 100.3 70.9 131.7

131 79.7 67.4 125.2

166 113.4 90.2 167.4

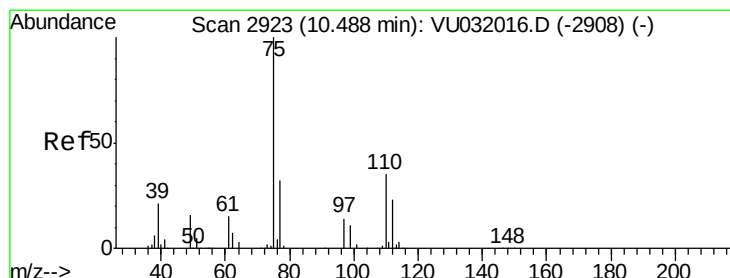
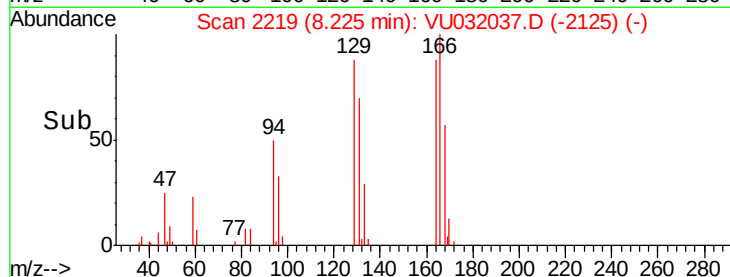
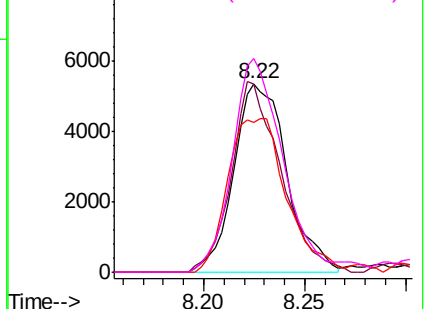


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 4.235 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032037.D

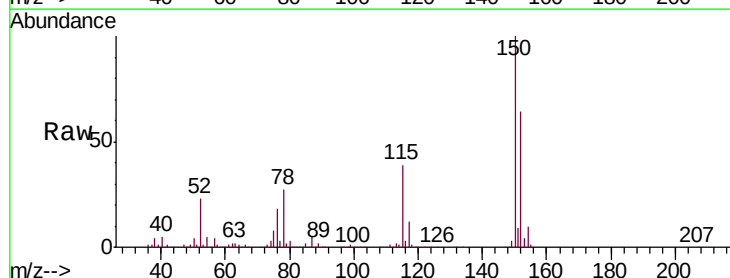
Acq: 15 May 2019 17:20

Tgt Ion: 75 Resp: 50940

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

