

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051519\
 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

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 9:35:34 AM

Quant Time: May 16 07:00:59 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

					Ovalue
5) Vinyl chloride	1.40	62	2515526	217.048 ug/L	98
12) 1,1-Dichloroethene	2.28	96	195503m	24.601 ug/L	
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
34) Trichloroethene	6.18	95	1519614	178.719 ug/L	100
46) Tetrachloroethene	8.22	164	9867	1.644 ug/L	89

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

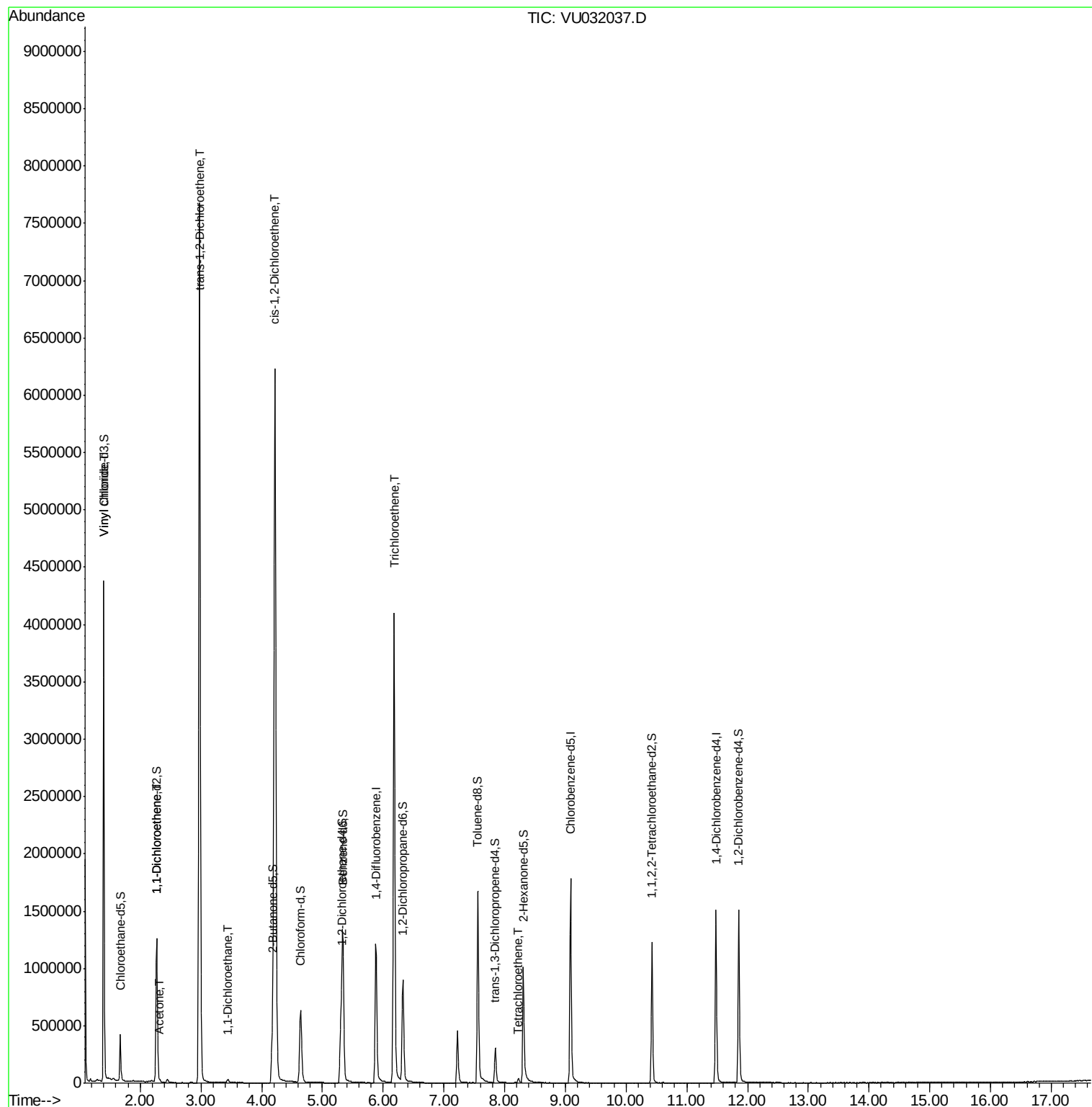
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU051519\
Data File : VU032037.D
Acq On : 15 May 2019 17:20
Operator : JC/SP
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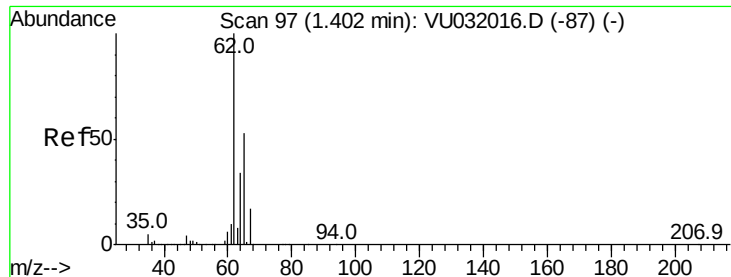
Instrument :
MSVOA_U
ClientSampleId :
DB895

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Quant Time: May 16 07:00:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 04:24:16 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 217.048 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

Instrument :

MSVOA_U

ClientSampled :

DB895

Tot Ion: 62 Resp: 2515526

Ion Ratio Lower Upper

62 100

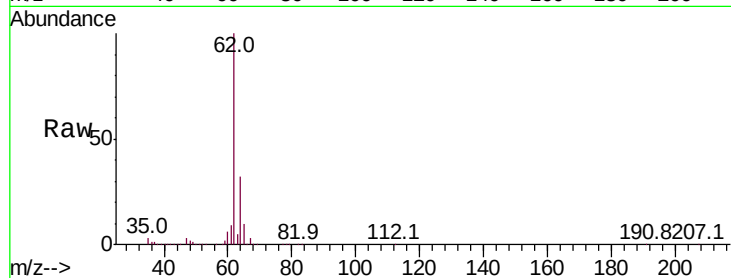
64 32.4 23.6 43.8

Manual Integrations

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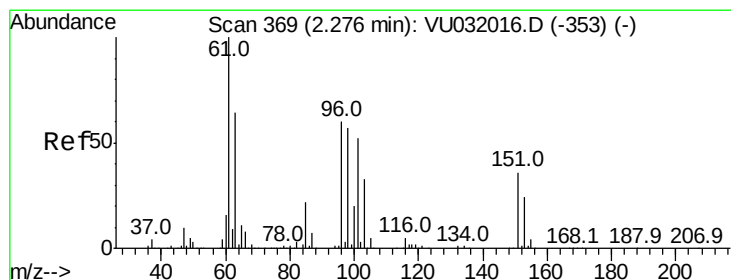
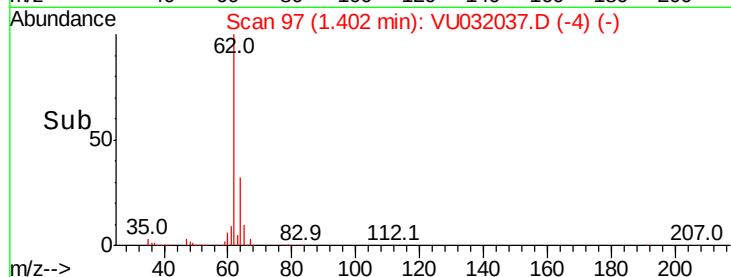
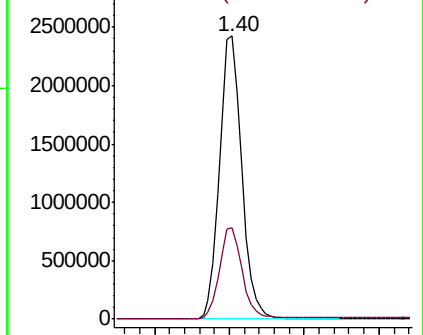
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 24.601 ug/L m

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

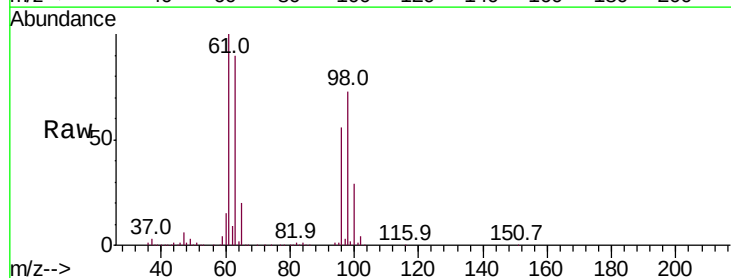
Tgt Ion: 96 Resp: 195503

Ion Ratio Lower Upper

96 100

61 178.3 120.9 224.5

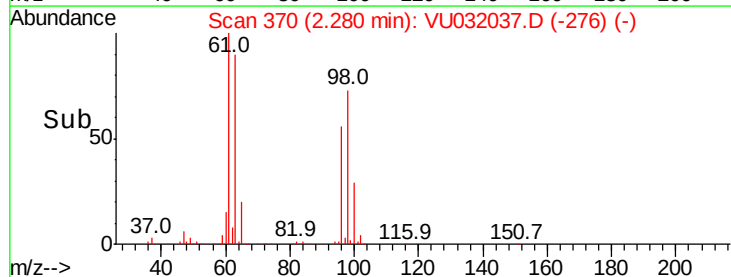
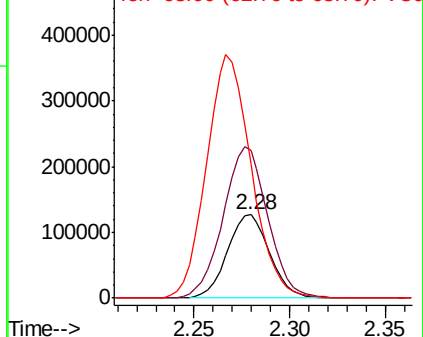
63 160.8 84.4 156.8#

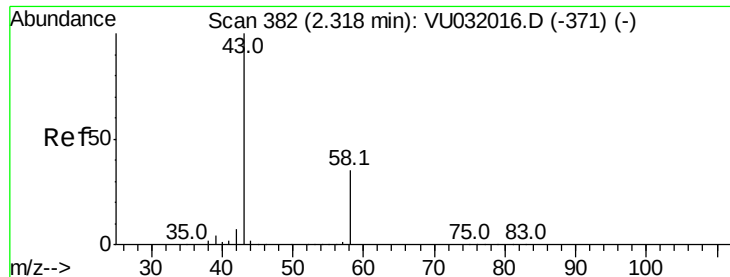


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.003 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032037.D

Acq: 15 May 2019 17:20

Instrument :

MSVOA_U

ClientSampled :

DB895

Tot Ion: 43 Resp: 20413

Ion Ratio Lower Upper

43 100

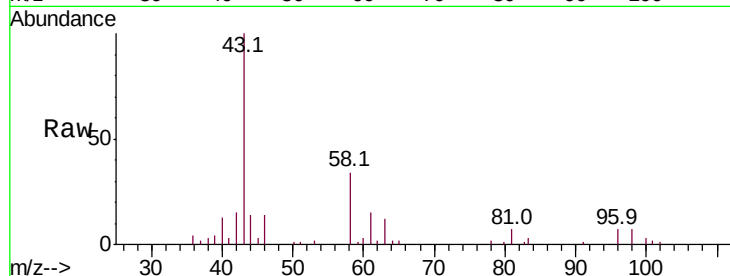
58 35.6 0.0 68.2

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Abundance Ion 43.00 (42.70 to 43.70): VU032037.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032037.D (-289) (-)

15000

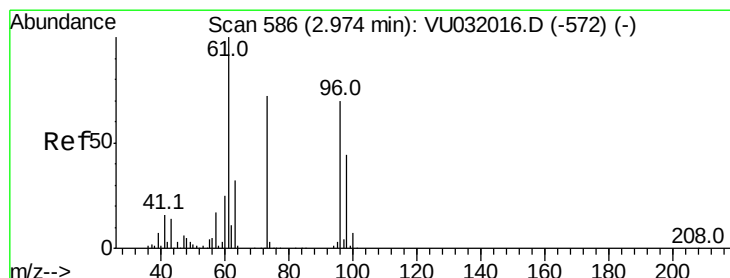
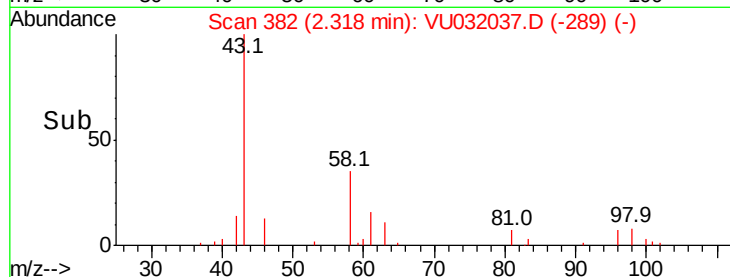
10000

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

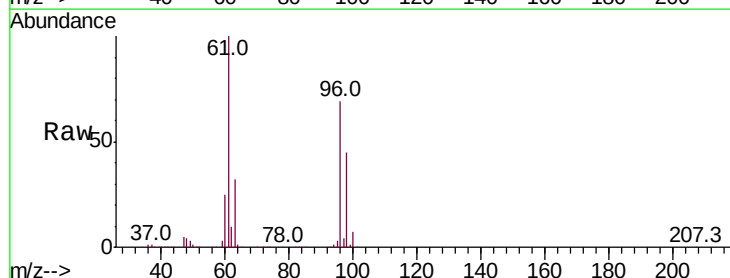
Tgt Ion: 96 Resp: 3032198

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

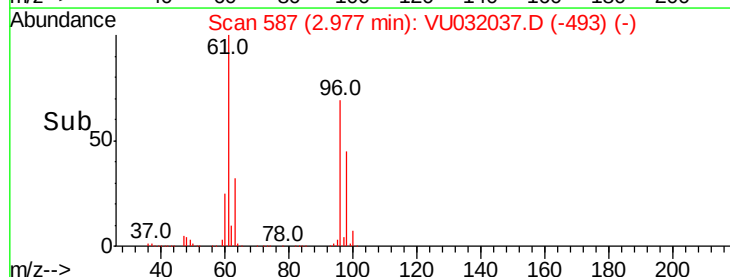
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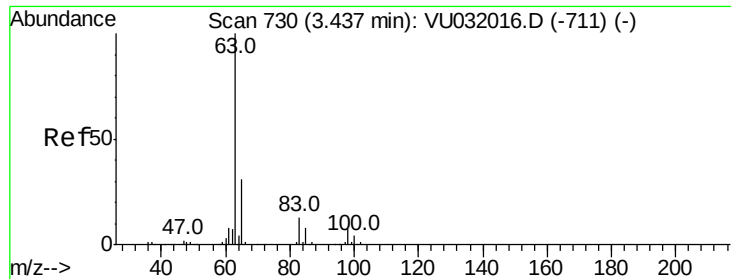
500000

0

2.90 3.00 3.10

Time-->





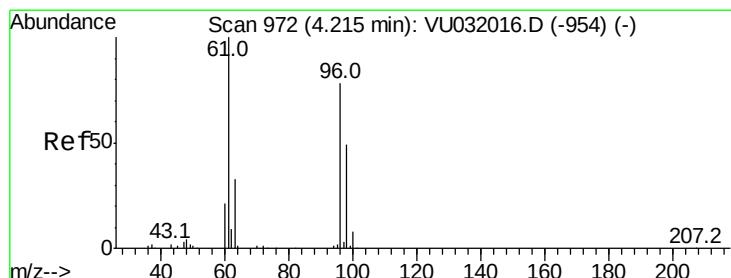
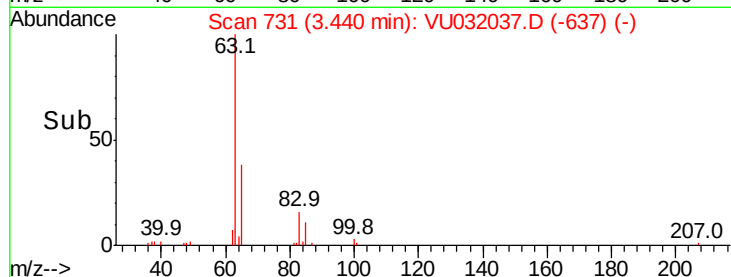
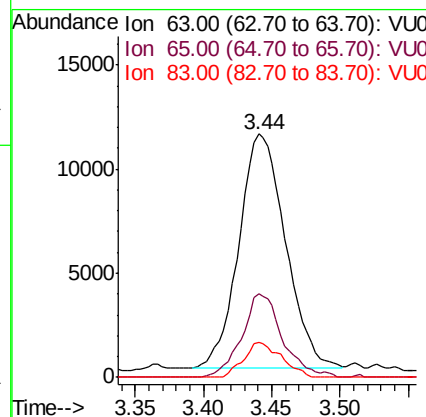
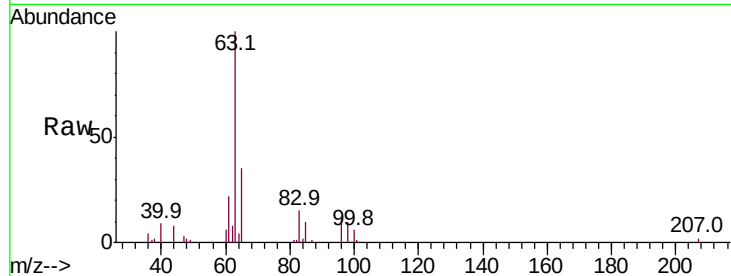
#19
 1,1-Dichloroethane
 Concen: 1.634 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032037.D
 Acq: 15 May 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 DB895

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.5	22.2	41.2
83	14.5	9.2	17.2

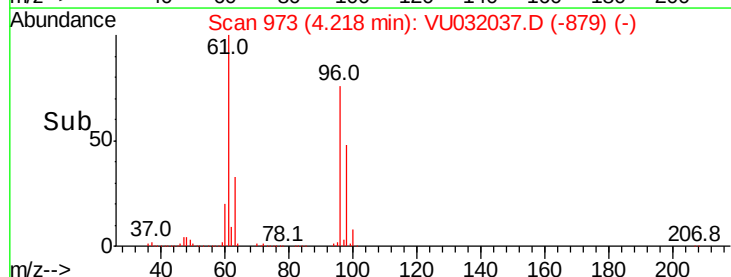
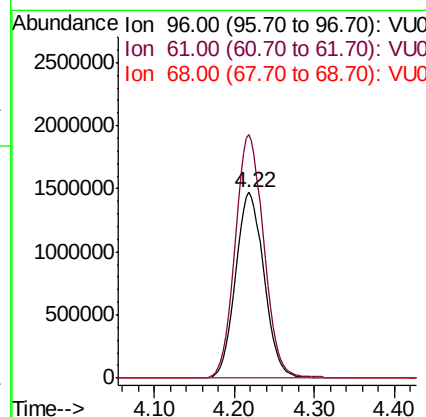
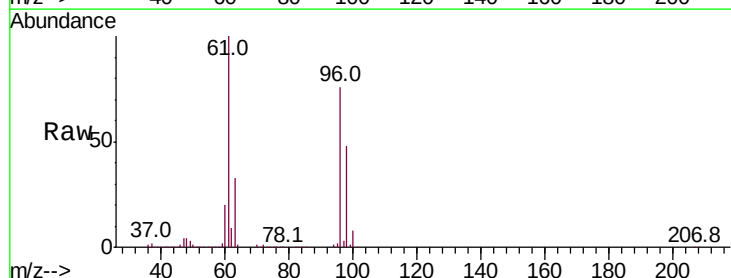
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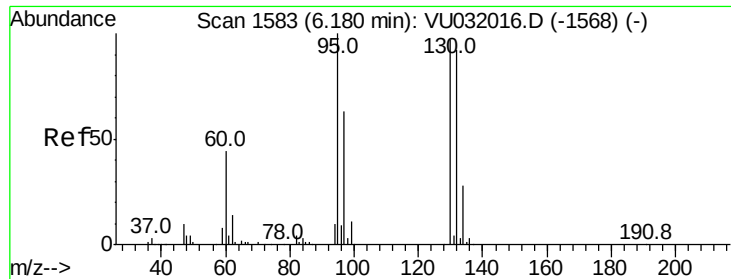
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#20
 cis-1,2-Dichloroethene
 Concen: 389.260 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032037.D
 Acq: 15 May 2019 17:20

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





#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

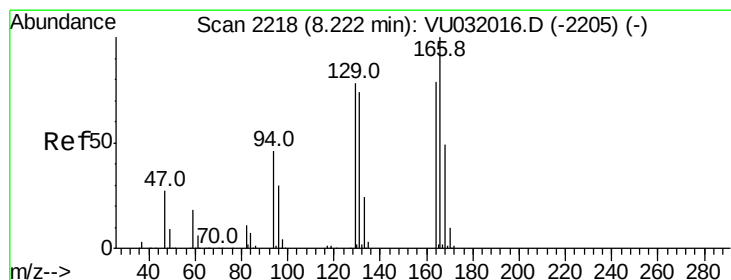
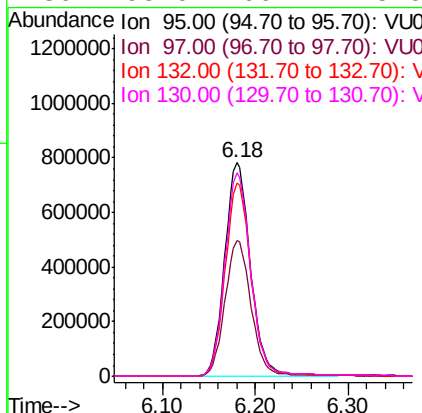
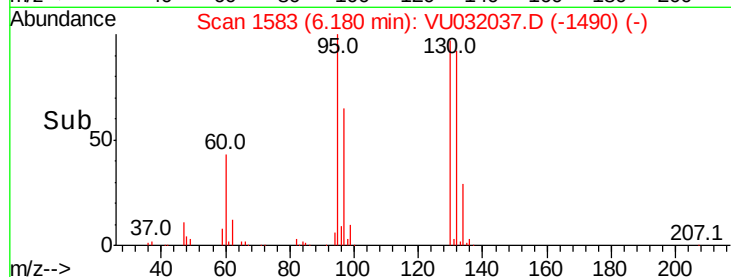
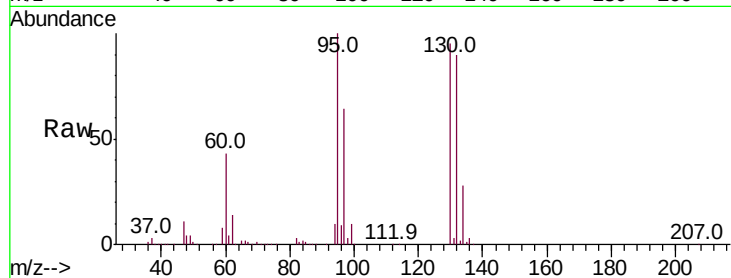
Instrument :
 MSVOA_U
 ClientSampleId :
 DB895

Tot 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

Manual Integrations
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#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

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

