

Data File : VU032021.D
Acq On : 15 May 2019 11:02
Operator : JC/SP
Sample : K2738-11DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB896DL

Quant Time: May 16 04:27:53 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	1030865	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1037263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	409216	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	373479	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.58%
7) Chloroethane-d5	1.68	69	322158	43.99	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.98%
11) 1,1-Dichloroethene-d2	2.27	63	536115	33.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.12%
21) 2-Butanone-d5	4.17	46	573301	90.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.51%
24) Chloroform-d	4.64	84	680146	44.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	5.31	65	438505	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
32) Benzene-d6	5.34	84	1445808	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.30%
36) 1,2-Dichloropropane-d6	6.32	67	477676	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.56	98	1238735	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%
43) trans-1,3-Dichloropropene-	7.85	79	191929	43.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.82%
47) 2-Hexanone-d5	8.31	63	363212	90.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	660009	45.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	432935	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

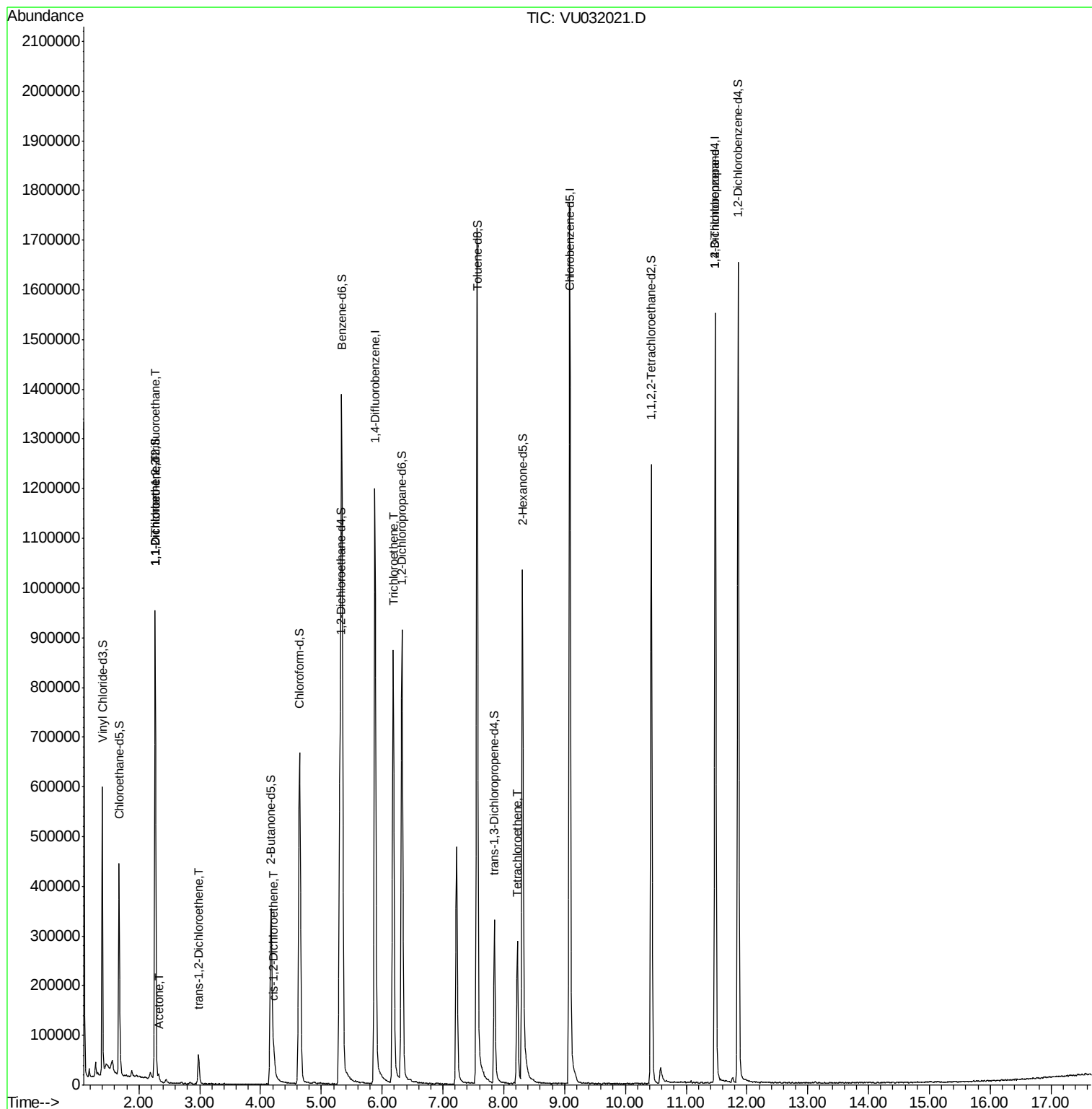
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4502	0.587	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	4425	0.581	ug/L #	1
13) Acetone	2.32	43	6914	1.062	ug/L	88
17) trans-1,2-Dichloroethene	2.98	96	23569	2.976	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	16434	1.876	ug/L	89
34) Trichloroethene	6.18	95	329732	39.187	ug/L	99
46) Tetrachloroethene	8.22	164	68840	11.588	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	50313	4.227	ug/L	92

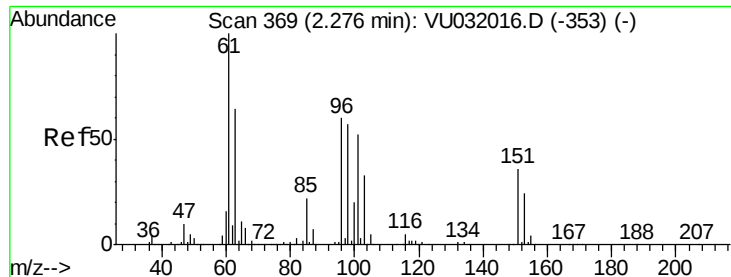
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.587 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032021.D

Acq: 15 May 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

DB896DL

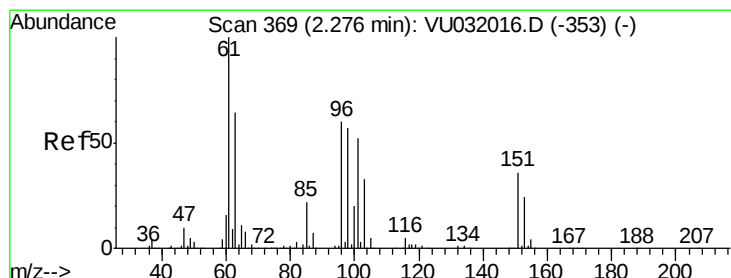
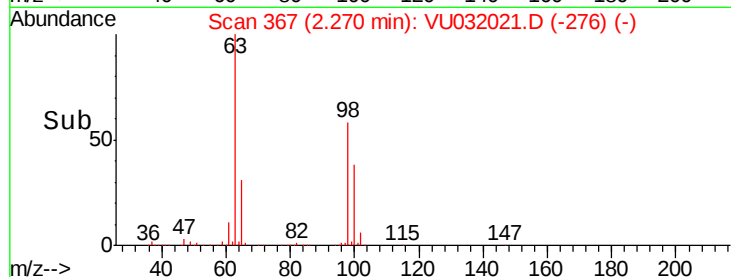
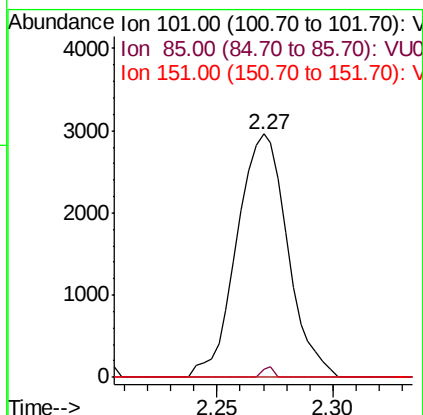
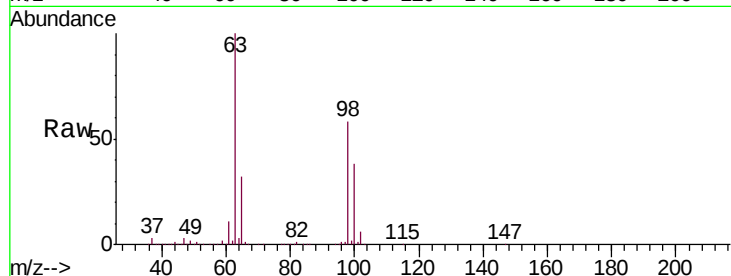
Tgt Ion: 101 Resp: 4502

Ion Ratio Lower Upper

101 100

85 1.0 34.1 51.1#

151 0.0 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.581 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032021.D

Acq: 15 May 2019 11:02

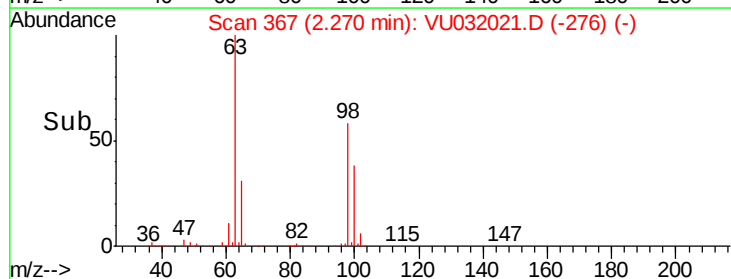
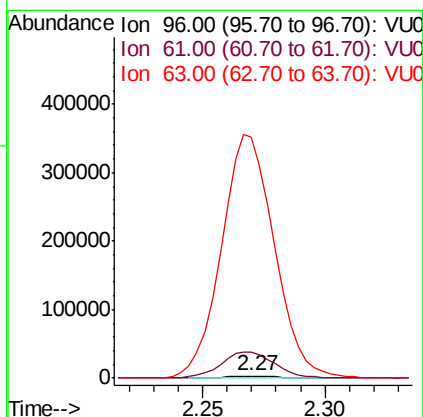
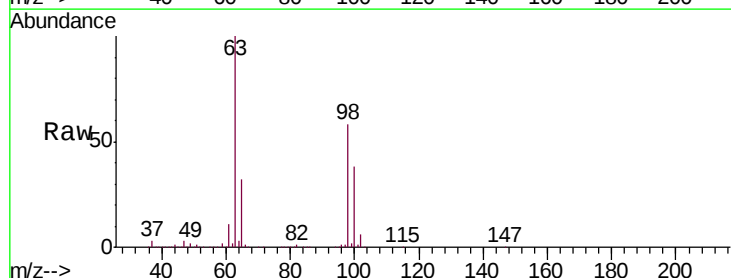
Tgt Ion: 96 Resp: 4425

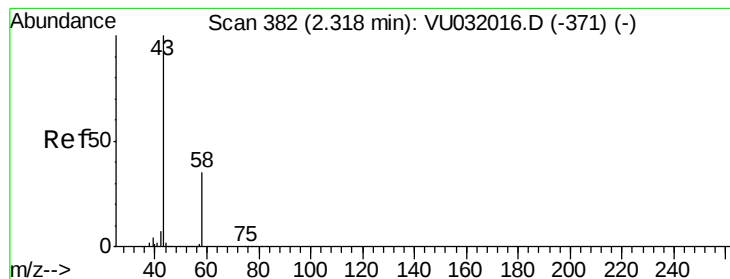
Ion Ratio Lower Upper

96 100

61 1373.2 120.9 224.5#

63 12716.7 84.4 156.8#





#13

Acetone

Concen: 1.062 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032021.D

Acq: 15 May 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

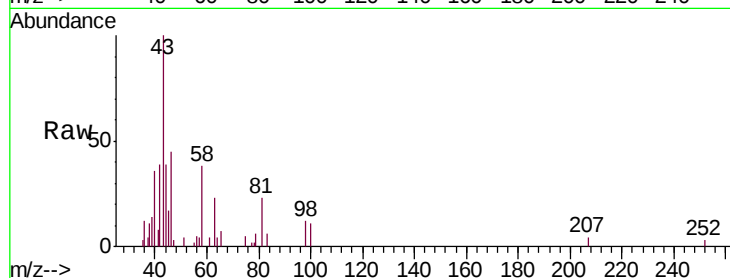
DB896DL

Tgt Ion: 43 Resp: 6914

Ion Ratio Lower Upper

43 100

58 41.0 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VU032021.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU032021.D (-371) (-)

2.32

4000

3000

2000

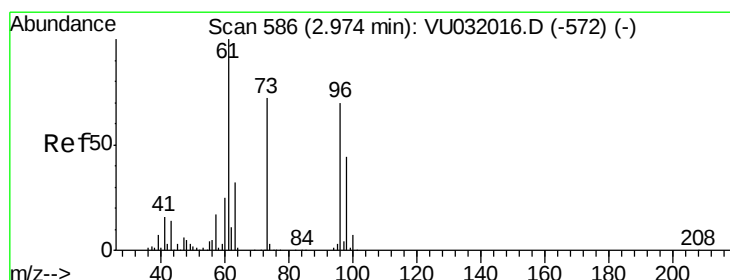
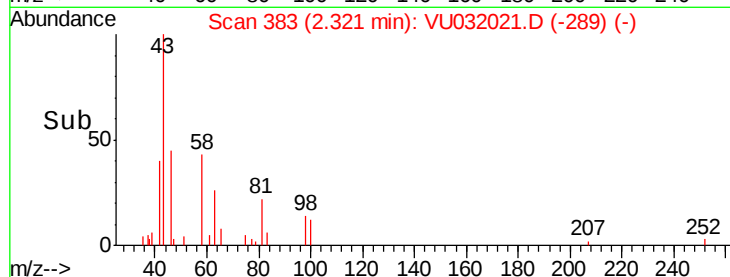
1000

0

Time-->

2.30

2.35



#17

trans-1,2-Dichloroethene

Concen: 2.976 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032021.D

Acq: 15 May 2019 11:02

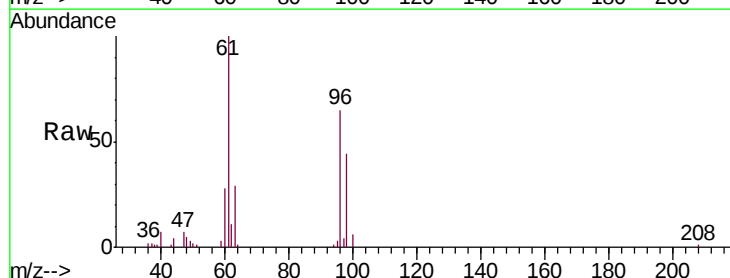
Tgt Ion: 96 Resp: 23569

Ion Ratio Lower Upper

96 100

61 154.8 103.2 191.6

98 68.2 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU032021.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032021.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032021.D (-493) (-)

2.98

25000

20000

15000

10000

5000

0

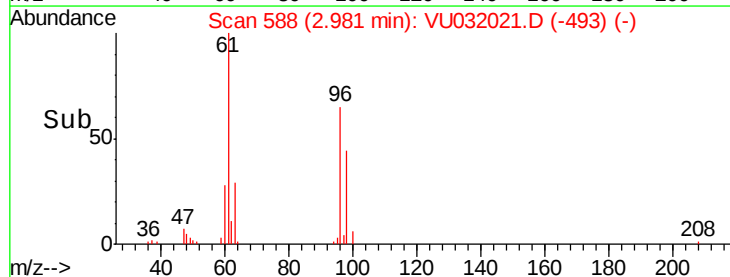
Time-->

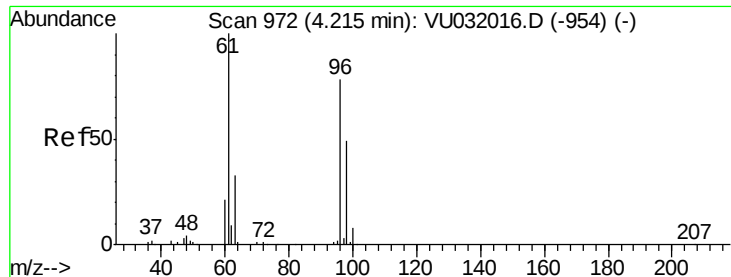
2.90

2.95

3.00

3.05



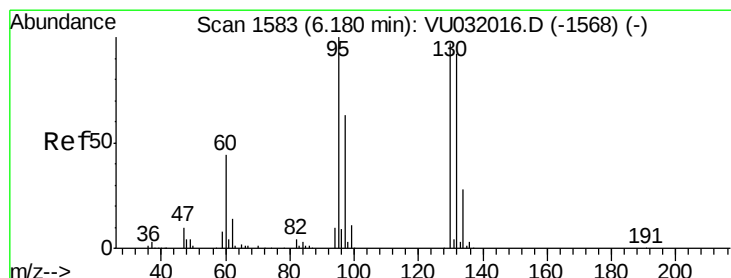
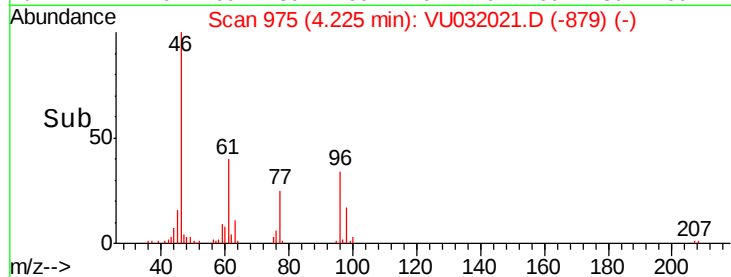
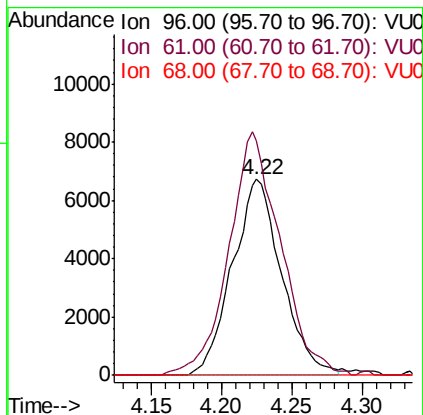
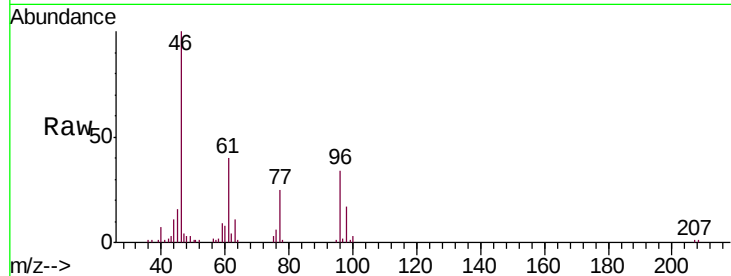


#20

cis-1,2-Dichloroethene
Concen: 1.876 ug/L
RT: 4.22 min Scan# 975
Delta R.T. 0.01 min
Lab File: VU032021.D
Acq: 15 May 2019 11:02

Instrument :
MSVOA_U
ClientSampled :
DB896DL

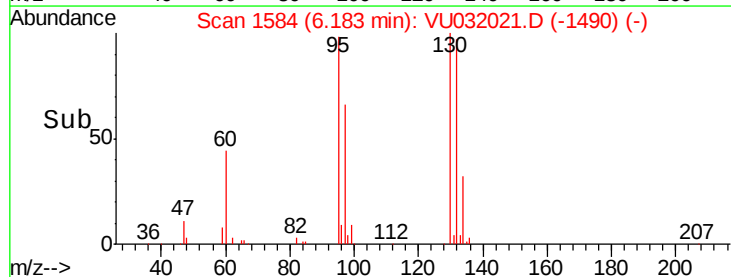
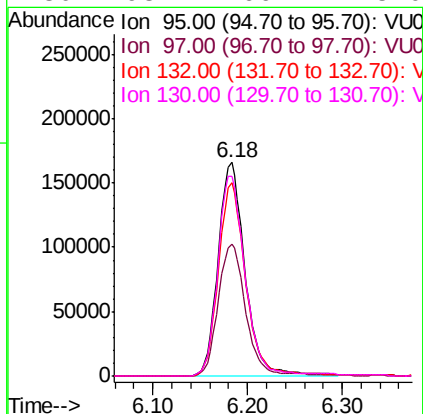
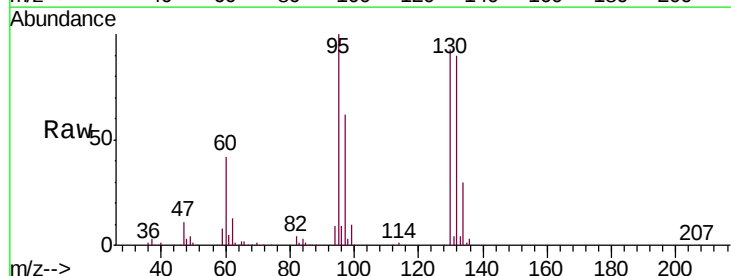
Tgt Ion: 96 Resp: 16434
Ion Ratio Lower Upper
96 100
61 119.7 93.0 172.8
68 0.0 0.0 0.0

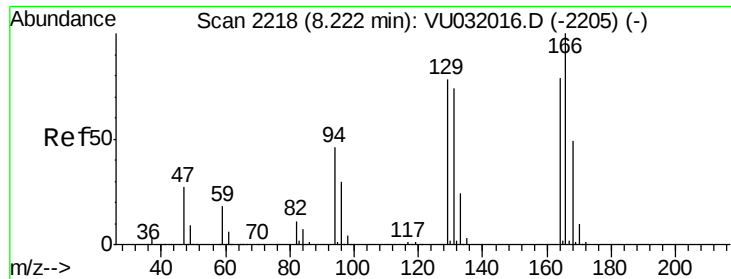


#34

Trichloroethene
Concen: 39.187 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU032021.D
Acq: 15 May 2019 11:02

Tgt Ion: 95 Resp: 329732
Ion Ratio Lower Upper
95 100
97 61.9 44.9 83.3
132 90.4 63.5 117.9
130 93.4 66.2 123.0

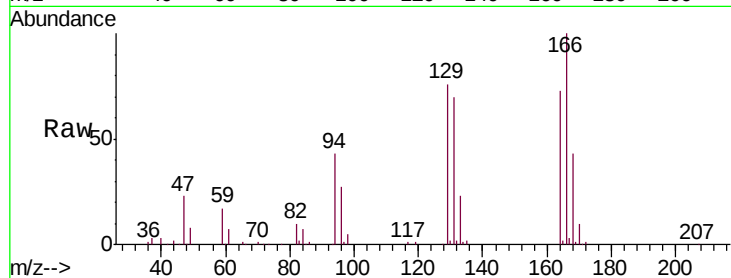




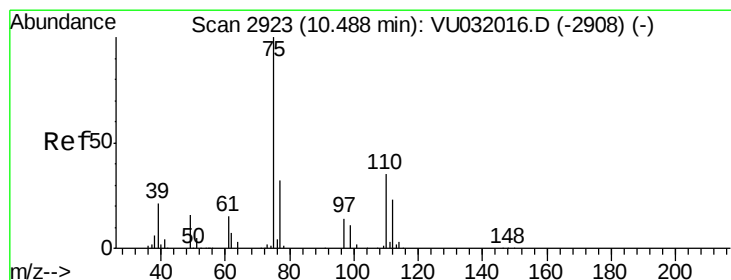
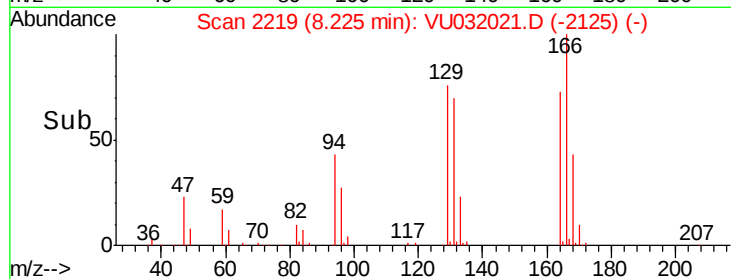
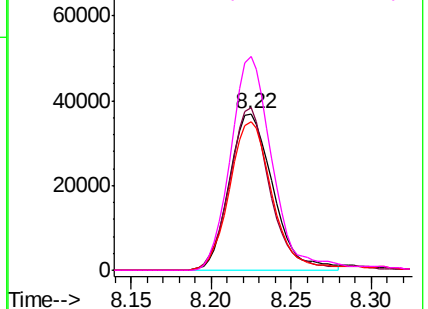
#46
Tetrachloroethene
Concen: 11.588 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032021.D
Acq: 15 May 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
DB896DL

Tgt Ion:164 Resp: 68840
Ion Ratio Lower Upper
164 100
129 103.9 70.9 131.7
131 95.0 67.4 125.2
166 136.5 90.2 167.4

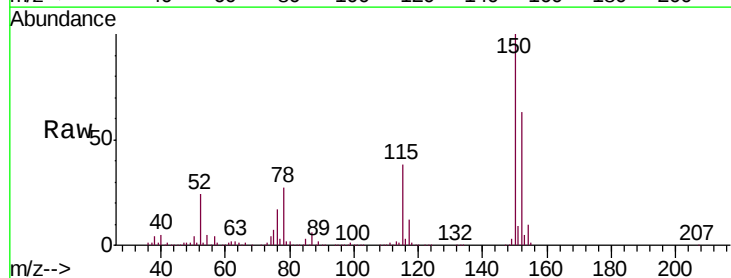


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#59
1,2,3-Trichloropropane
Concen: 4.227 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032021.D
Acq: 15 May 2019 11:02

Tgt Ion: 75 Resp: 50313
Ion Ratio Lower Upper
75 100
77 36.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

