

Data File : VU031717.D
Acq On : 02 May 2019 17:15
Operator : JC/SP
Sample : K2661-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B22

Quant Time: May 03 07:28:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 07:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1099675	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1017409	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	442411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	419425	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.14%
7) Chloroethane-d5	1.83	69	250	0.04	ug/L	0.15
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.27	63	604435	32.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.96%
21) 2-Butanone-d5	4.18	46	752704	90.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.27%
24) Chloroform-d	4.64	84	662030	39.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.56%
26) 1,2-Dichloroethane-d4	5.31	65	446301	40.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.06%
32) Benzene-d6	5.33	84	1421824	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
36) 1,2-Dichloropropane-d6	6.32	67	484174	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.10%
41) Toluene-d8	7.56	98	1247383	45.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.68%
43) trans-1,3-Dichloropropene-	7.85	79	210266	44.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.12%
47) 2-Hexanone-d5	8.31	63	497163	104.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	606311	41.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	413962	44.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.98%

Target Compounds

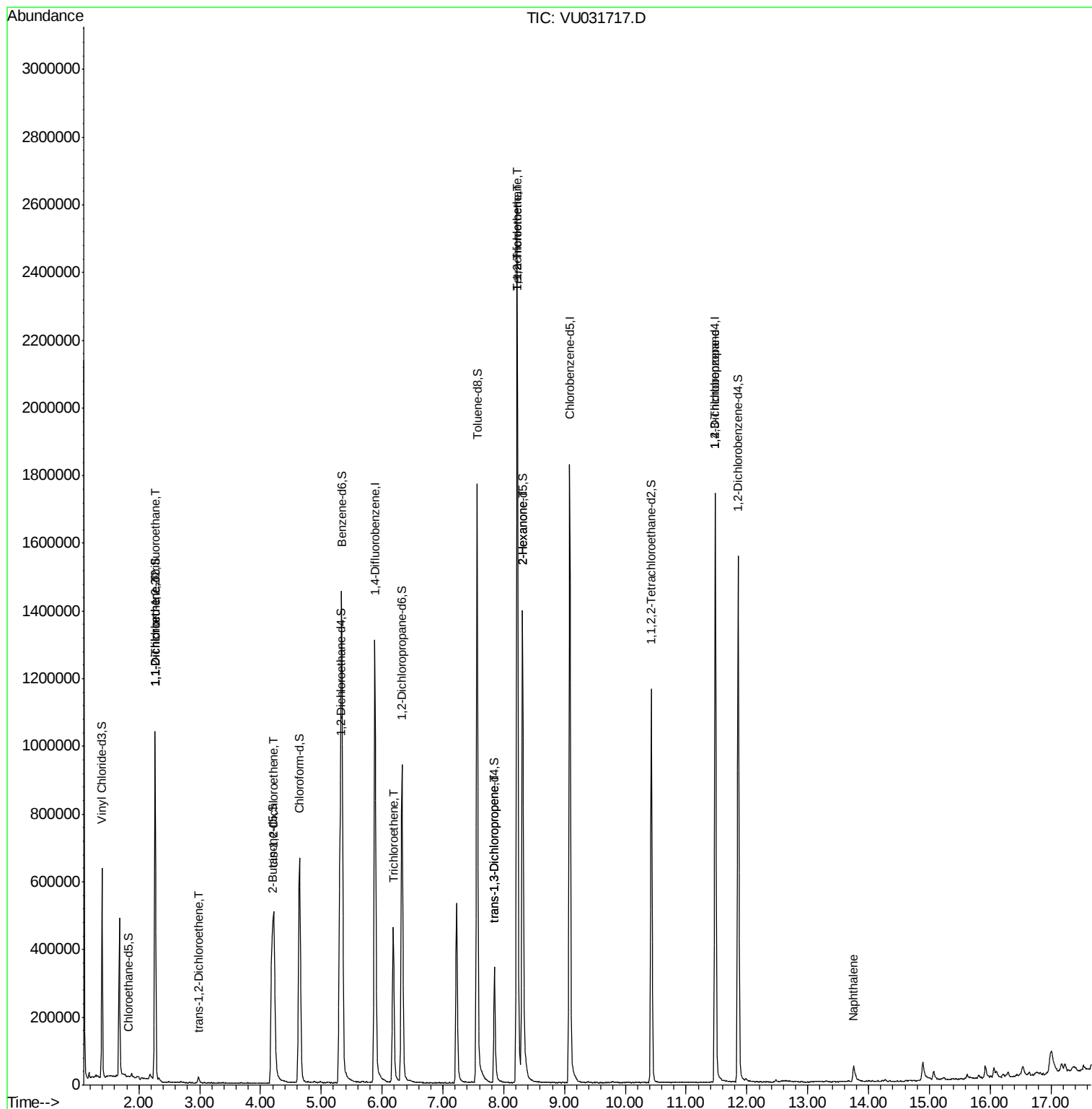
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5283	0.599	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	4826	0.562	ug/L #	1
17) trans-1,2-Dichloroethene	2.98	96	5907	0.661	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	206090	21.490	ug/L	99
34) Trichloroethene	6.18	95	173477	19.132	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	7983	0.627	ug/L #	67
45) 1,1,2-Trichloroethane	8.22	97	4984	0.569	ug/L #	1
46) Tetrachloroethene	8.22	164	595857	96.393	ug/L	93
48) 2-Hexanone	8.31	43	58555	4.431	ug/L #	74
59) 1,2,3-Trichloropropane	11.48	75	58880	4.677	ug/L	94
69) Naphthalene	13.76	128	65928	2.227	ug/L #	82

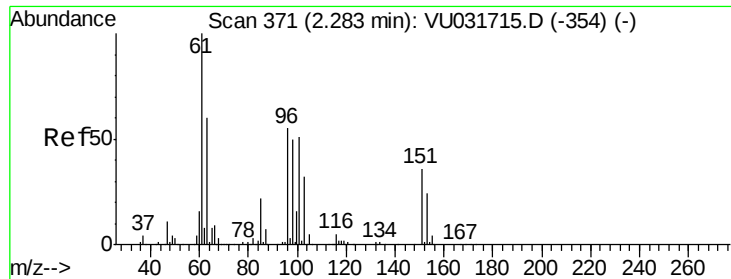
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.599 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031717.D

Acq: 02 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

C0B22

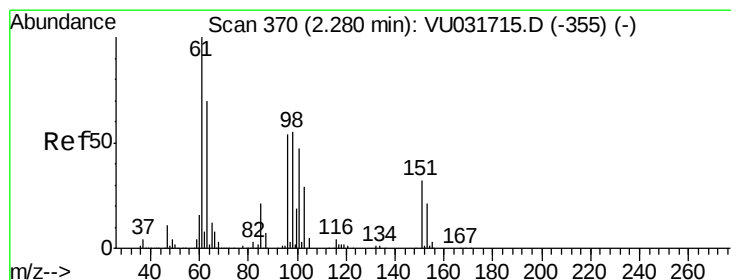
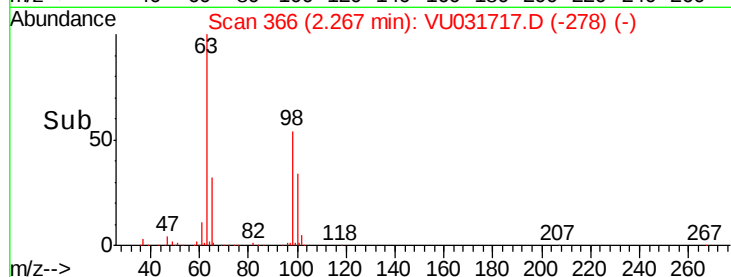
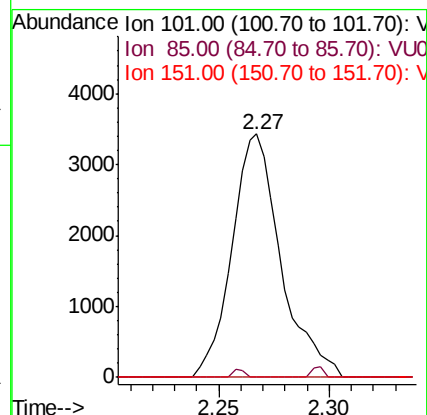
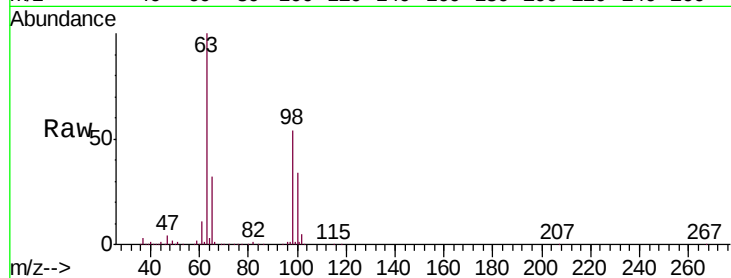
Tgt Ion: 101 Resp: 5283

Ion Ratio Lower Upper

101 100

85 0.8 36.1 54.1#

151 0.0 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 0.562 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031717.D

Acq: 02 May 2019 17:15

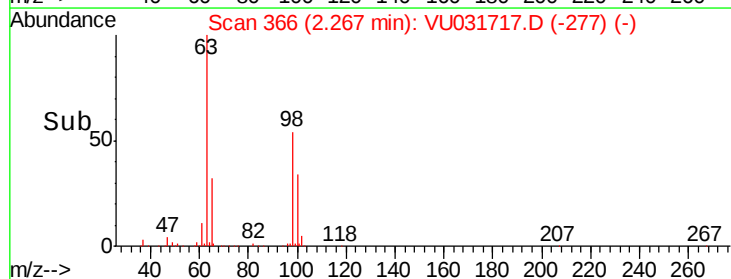
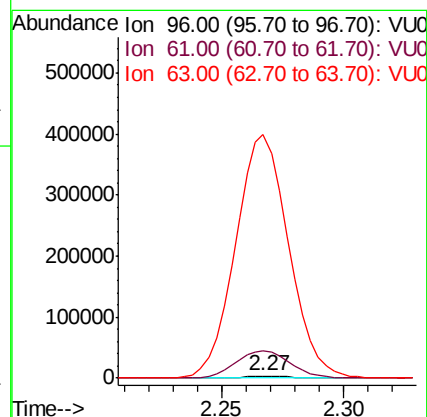
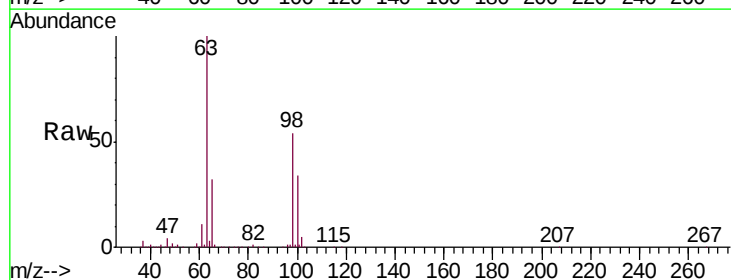
Tgt Ion: 96 Resp: 4826

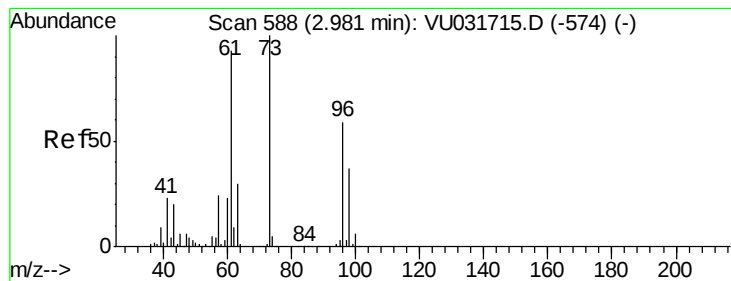
Ion Ratio Lower Upper

96 100

61 1598.0 135.0 250.6#

63 14123.0 103.5 192.3#





#17

trans-1,2-Dichloroethene

Concen: 0.661 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031717.D

Acq: 02 May 2019 17:15

Instrument :

MSVOA_U

ClientSampled :

C0B22

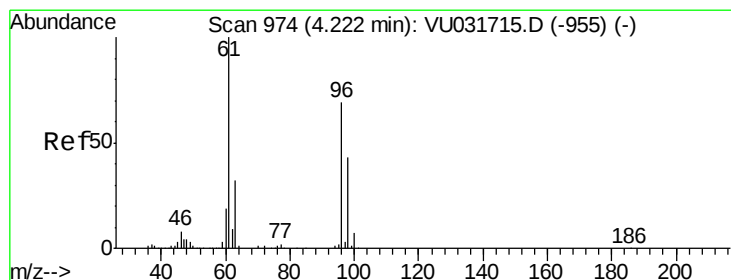
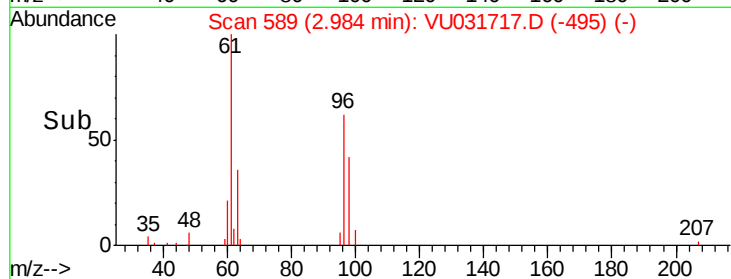
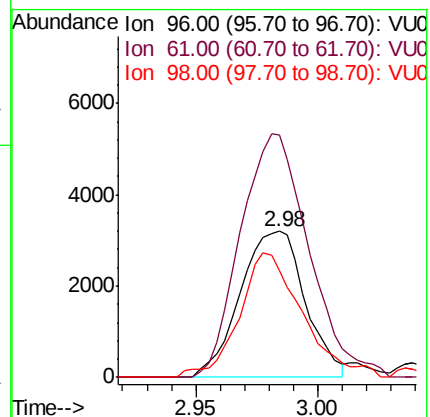
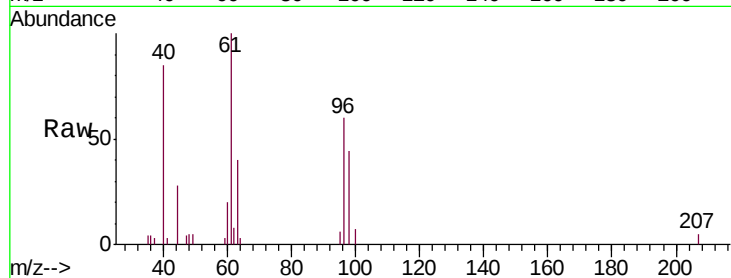
Tgt Ion: 96 Resp: 5907

Ion Ratio Lower Upper

96 100

61 165.5 114.5 212.7

98 72.9 45.4 84.2



#20

cis-1,2-Dichloroethene

Concen: 21.490 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031717.D

Acq: 02 May 2019 17:15

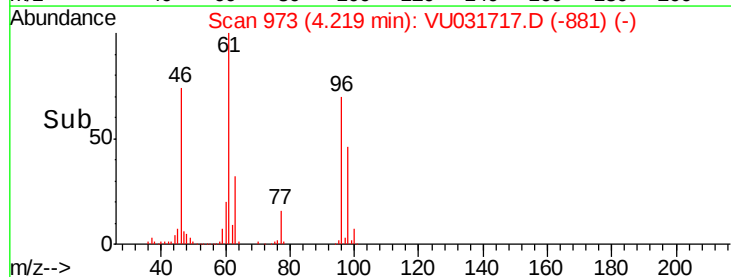
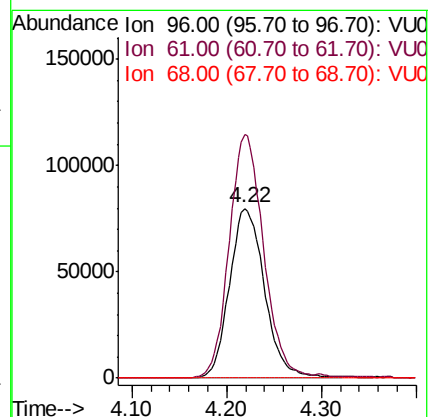
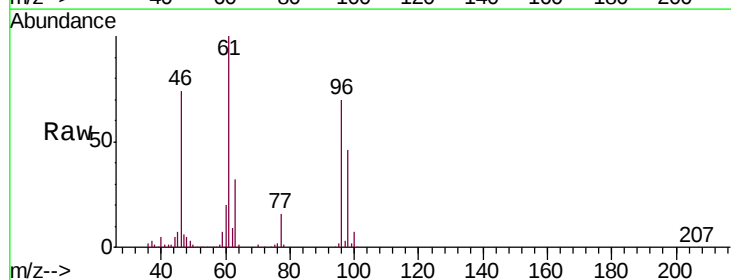
Tgt Ion: 96 Resp: 206090

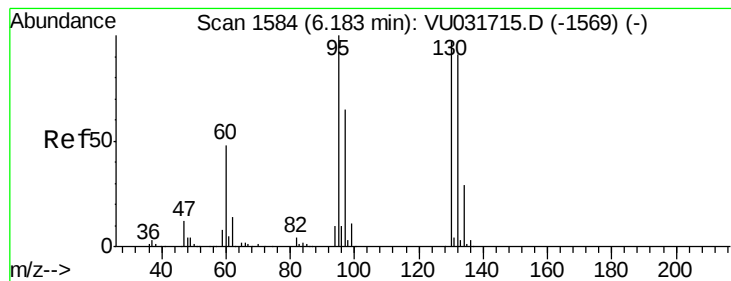
Ion Ratio Lower Upper

96 100

61 143.7 99.5 184.7

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 19.132 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031717.D

Acq: 02 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

C0B22

Tgt Ion: 95 Resp: 173477

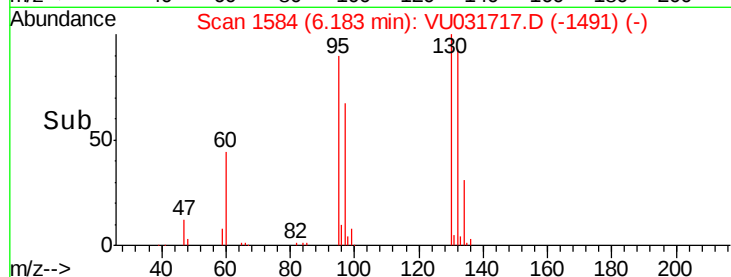
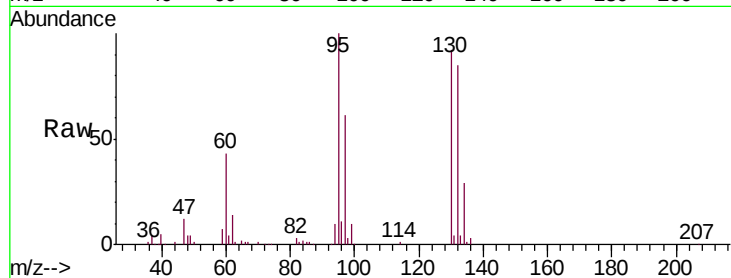
Ion Ratio Lower Upper

95 100

97 61.4 44.8 83.2

132 85.5 63.1 117.1

130 91.8 66.5 123.5

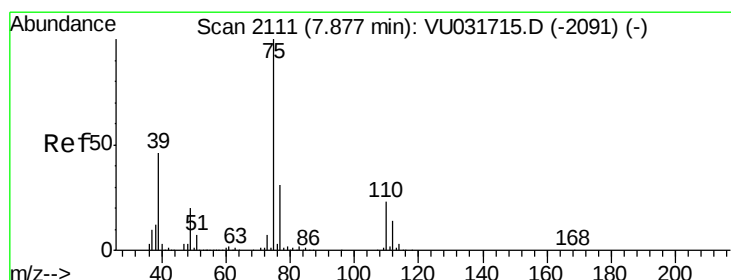
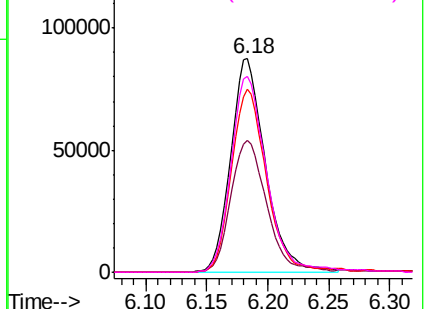


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.627 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031717.D

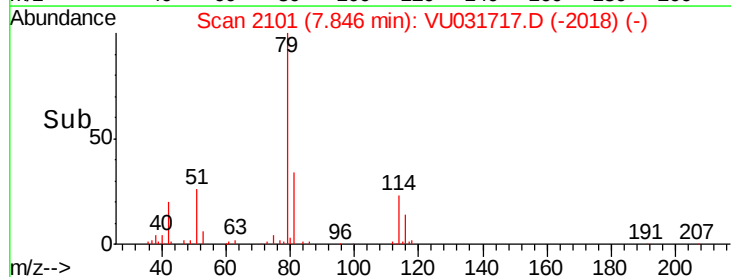
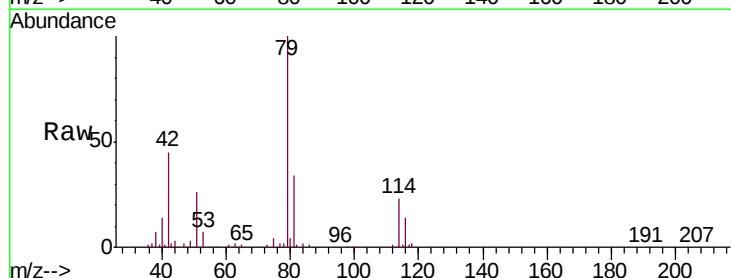
Acq: 02 May 2019 17:15

Tgt Ion: 75 Resp: 7983

Ion Ratio Lower Upper

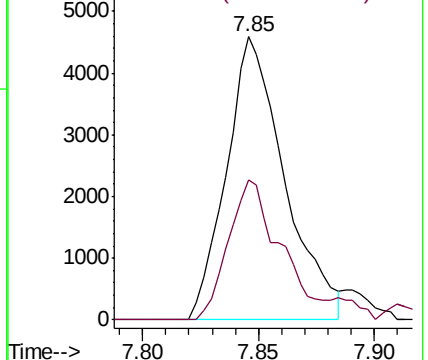
75 100

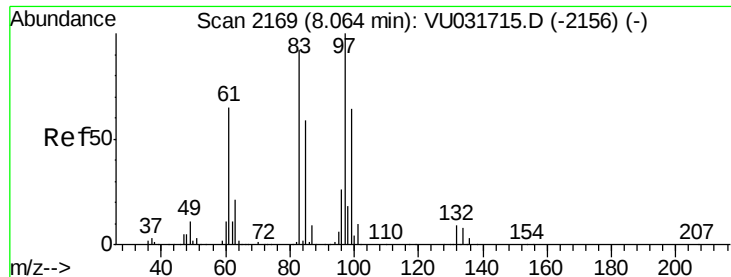
77 49.7 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

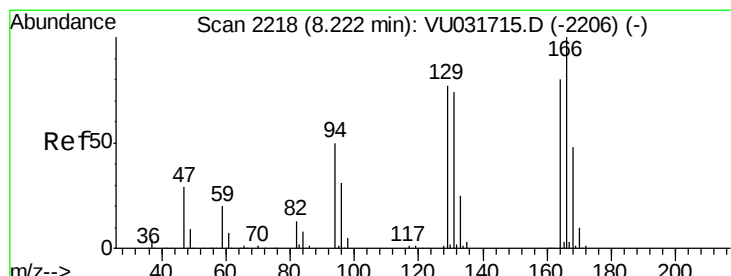
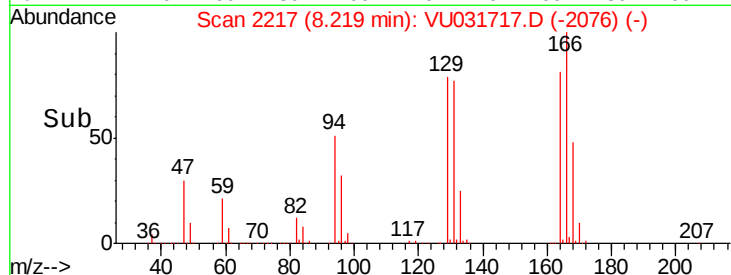
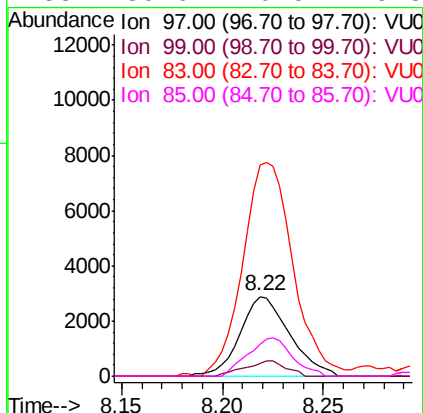
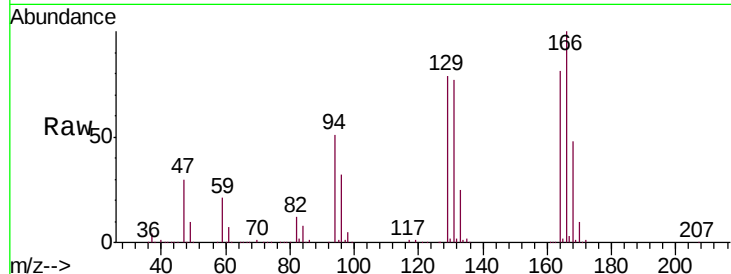




#45
1,1,2-Trichloroethane
Concen: 0.569 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. 0.15 min
Lab File: VU031717.D
Acq: 02 May 2019 17:15

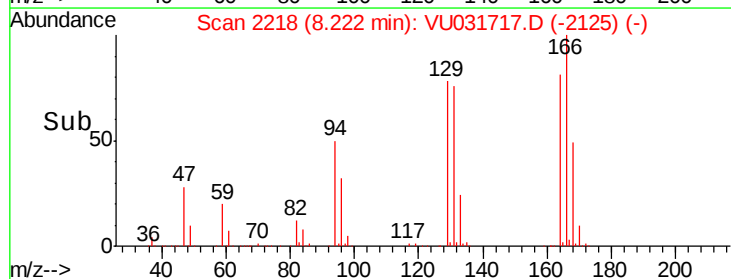
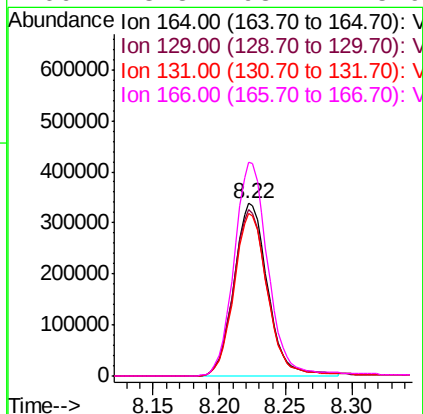
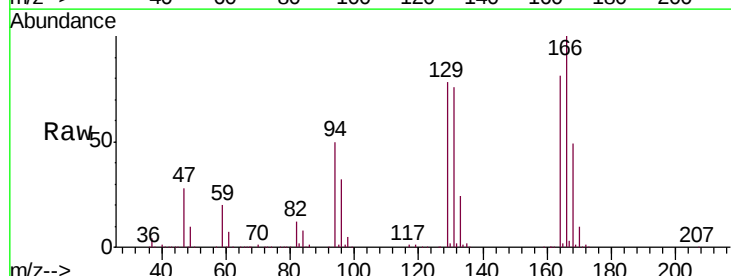
Instrument :
MSVOA_U
ClientSampleId :
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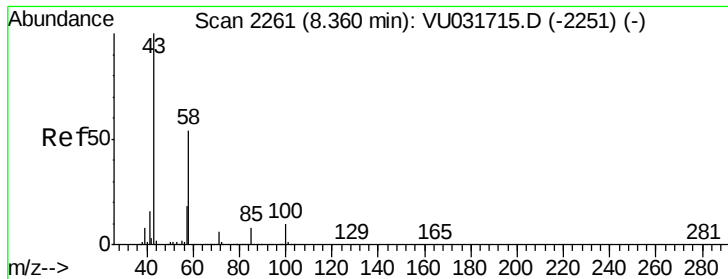
Tgt Ion: 97 Resp: 4984
Ion Ratio Lower Upper
97 100
99 15.9 43.0 80.0#
83 264.2 63.6 118.2#
85 39.6 40.5 75.3#



#46
Tetrachloroethene
Concen: 96.393 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031717.D
Acq: 02 May 2019 17:15

Tgt Ion: 164 Resp: 595857
Ion Ratio Lower Upper
164 100
129 96.2 71.5 132.9
131 94.1 69.0 128.2
166 123.8 93.7 173.9

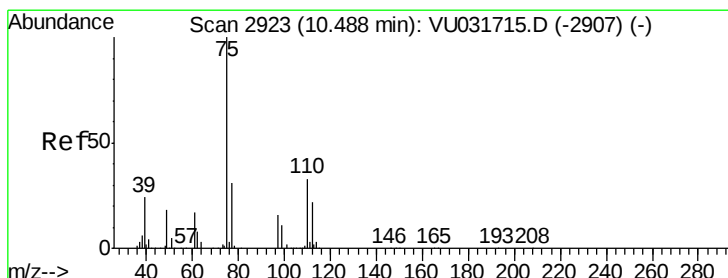
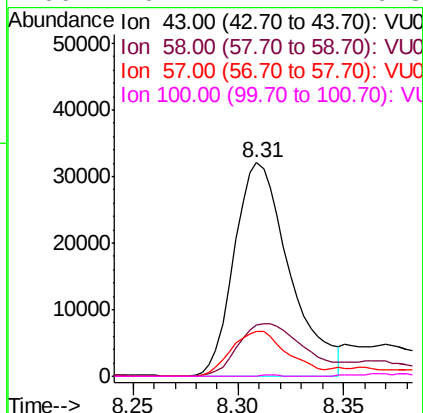
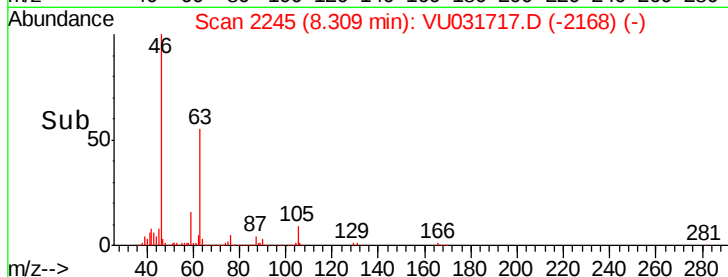
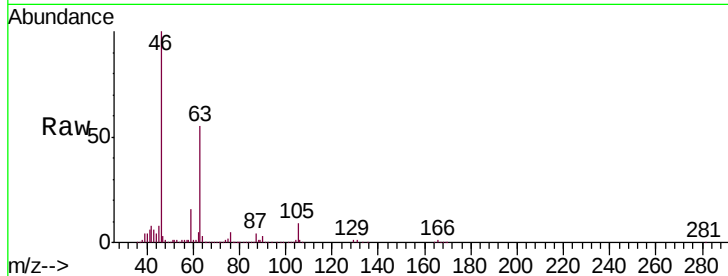




#48
2-Hexanone
Concen: 4.431 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031717.D
Acq: 02 May 2019 17:15

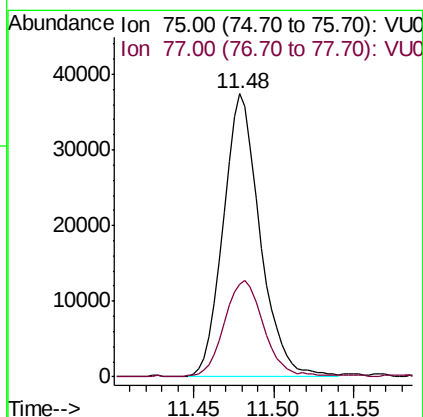
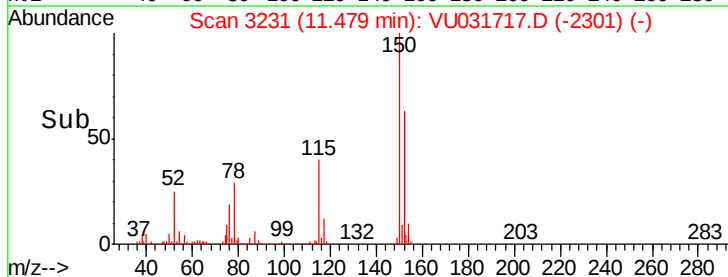
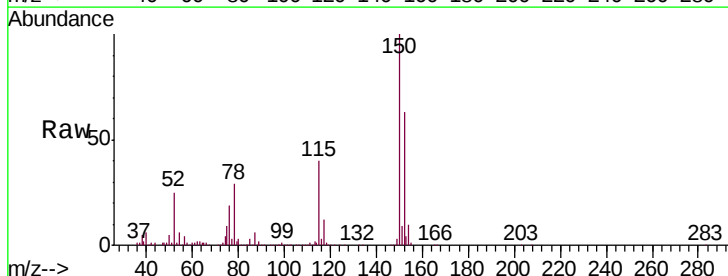
Instrument :
MSVOA_U
ClientSampleId :
C0B22

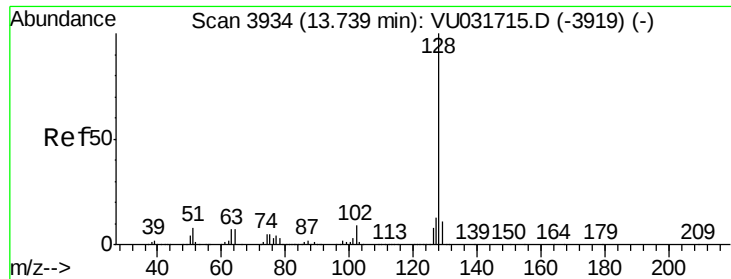
Tgt Ion: 43 Resp: 58555
Ion Ratio Lower Upper
43 100
58 29.4 42.1 63.1#
57 21.5 14.6 22.0
100 0.1 7.2 10.8#



#59
1,2,3-Trichloropropane
Concen: 4.677 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031717.D
Acq: 02 May 2019 17:15

Tgt Ion: 75 Resp: 58880
Ion Ratio Lower Upper
75 100
77 35.7 25.9 38.9





#69

Naphthalene

Concen: 2.227 ug/L

RT: 13.76 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VU031717.D

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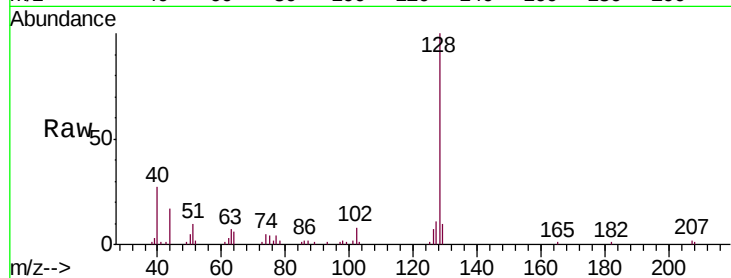
Tgt Ion:128 Resp: 65928

Ion Ratio Lower Upper

128 100

127 6.2 10.6 15.8#

129 3.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

