

Data File : VU033700.D
Acq On : 09 Aug 2019 22:05
Operator : JC/SP
Sample : K4202-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B31

Quant Time: Aug 10 04:30:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	386009	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	369459	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	186812	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	135362	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.28%
7) Chloroethane-d5	1.67	69	132124	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.78%
11) 1,1-Dichloroethene-d2	2.26	63	184722	38.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.32%
21) 2-Butanone-d5	4.16	46	269349	152.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	152.90%#
24) Chloroform-d	4.62	84	254884	60.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.76%
26) 1,2-Dichloroethane-d4	5.29	65	166992	63.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	126.52%#
32) Benzene-d6	5.32	84	522790	59.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.92%
36) 1,2-Dichloropropane-d6	6.31	67	173061	64.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	129.36%#
41) Toluene-d8	7.55	98	463395	56.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.00%
43) trans-1,3-Dichloropropene-	7.83	79	81682	60.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	120.90%
47) 2-Hexanone-d5	8.29	63	210010	151.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	151.53%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	266971	67.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	134.90%#
64) 1,2-Dichlorobenzene-d4	11.84	152	203660	64.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	129.56%#

Target Compounds

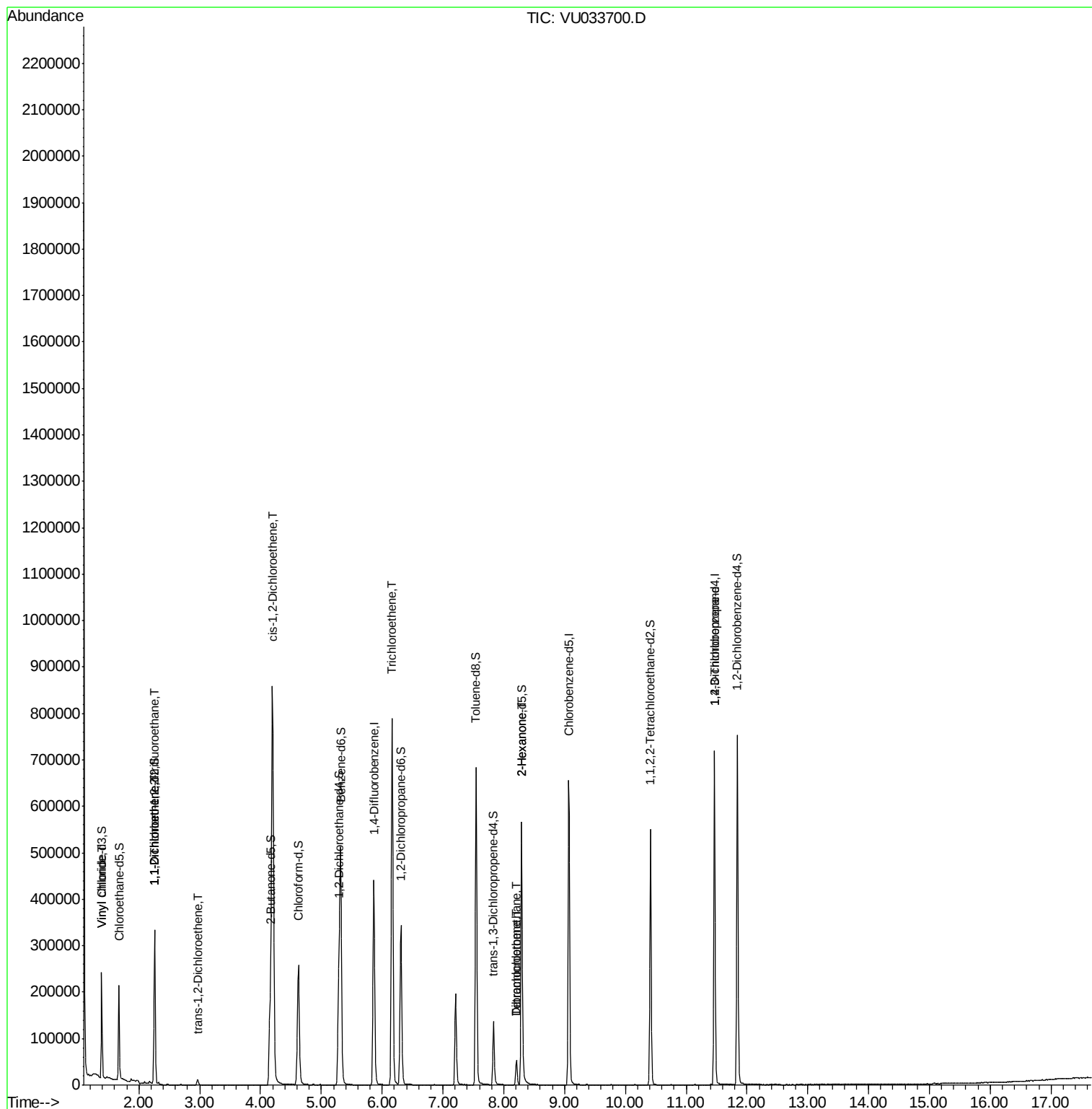
						Qvalue
5) Vinyl chloride	1.39	62	15843	4.876	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1920	0.831	ug/L #	23
12) 1,1-Dichloroethene	2.26	96	3514	1.548	ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	5009	2.059	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	482743	173.967	ug/L	98
34) Trichloroethene	6.16	95	269316	99.271	ug/L	98
46) Tetrachloroethene	8.21	164	12685	5.672	ug/L	93
48) 2-Hexanone	8.29	43	22603	7.034	ug/L #	64
49) Dibromochloromethane	8.21	129	11638	3.872	ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	21712	5.853	ug/L	95

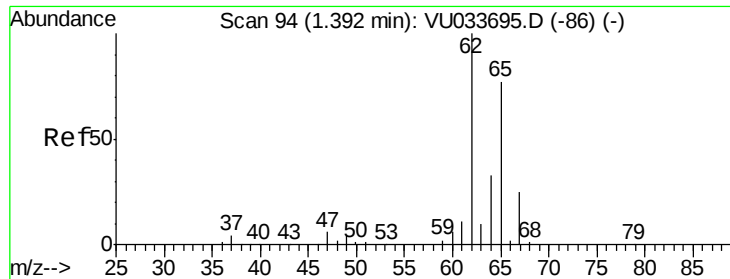
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.876 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

Instrument :

MSVOA_U

ClientSampleId :

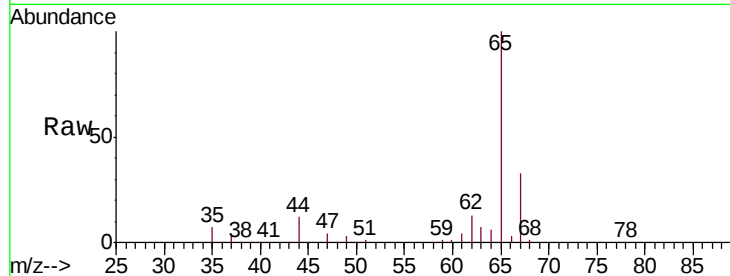
F2B31

Tgt Ion: 62 Resp: 15843

Ion Ratio Lower Upper

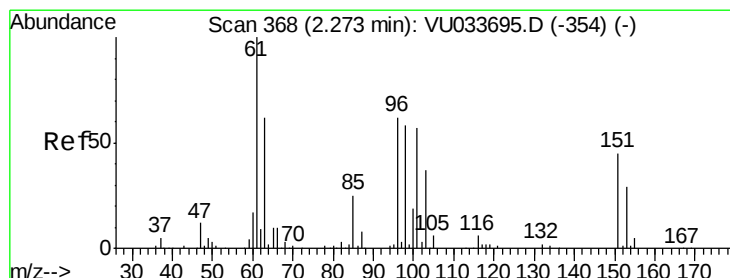
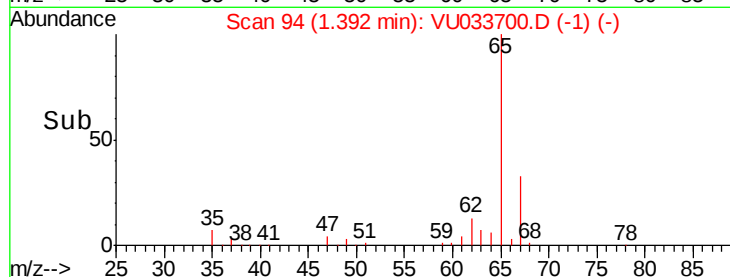
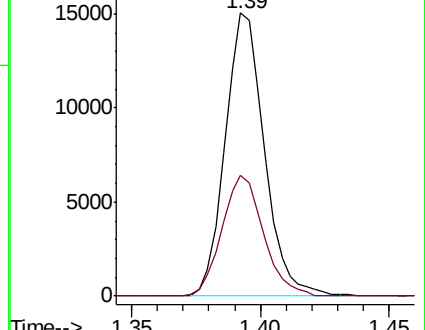
62 100

64 42.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033695.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033695.D (-86) (-)



#10

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

Concen: 0.831 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

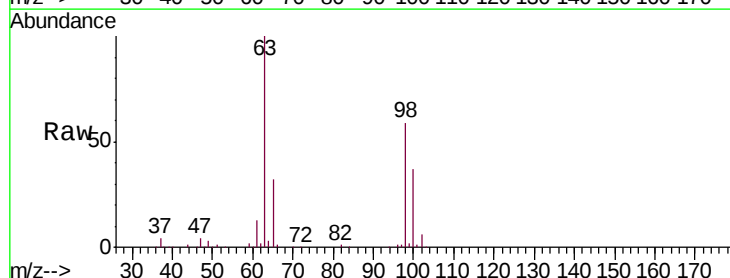
Tgt Ion: 101 Resp: 1920

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

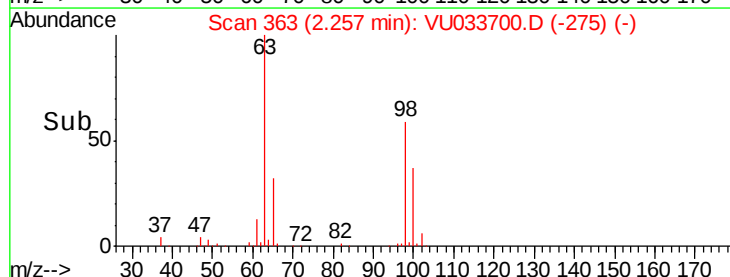
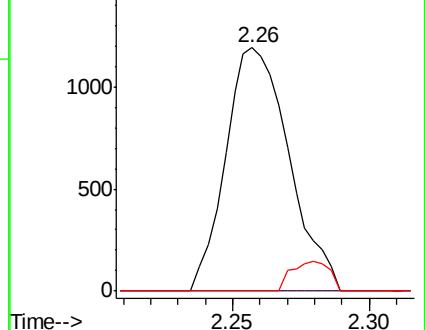
151 7.2 63.0 94.4#

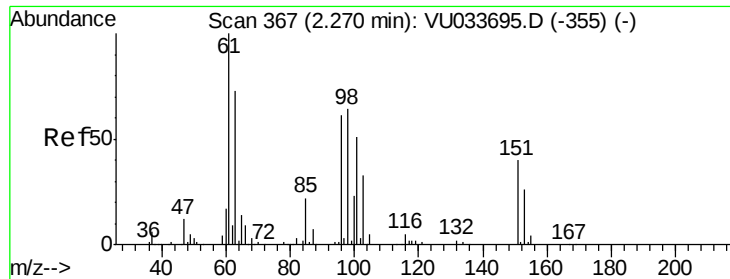


Abundance Ion 101.00 (100.70 to 101.70): VU033695.D (-354) (-)

Ion 85.00 (84.70 to 85.70): VU033695.D (-354) (-)

Ion 151.00 (150.70 to 151.70): VU033695.D (-354) (-)





#12

1,1-Dichloroethene

Concen: 1.548 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

Instrument :

MSVOA_U

ClientSampleId :

F2B31

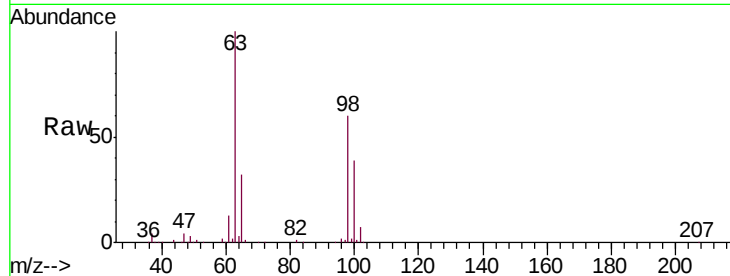
Tgt Ion: 96 Resp: 3514

Ion Ratio Lower Upper

96 100

61 732.9 118.2 219.6#

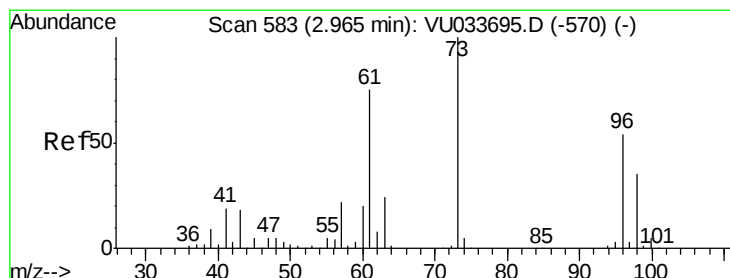
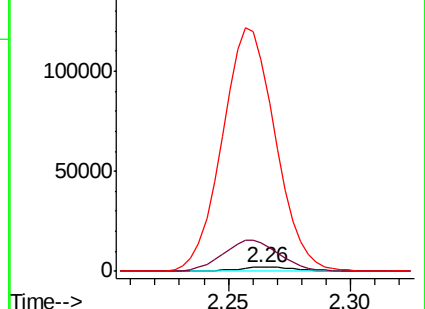
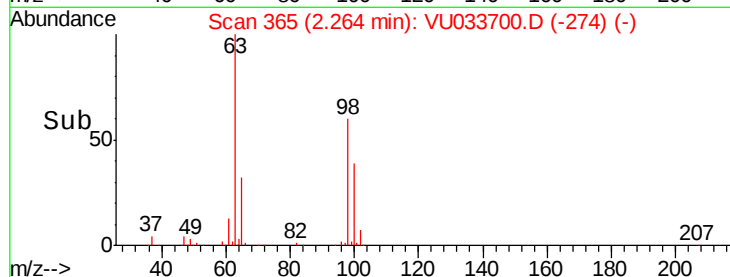
63 5483.2 90.7 168.5#



Abundance Ion 96.00 (95.70 to 96.70): VU033700.D (-274) (-)

Ion 61.00 (60.70 to 61.70): VU033700.D (-274) (-)

Ion 63.00 (62.70 to 63.70): VU033700.D (-274) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.059 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

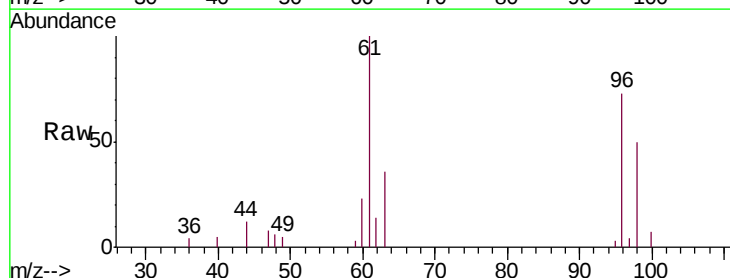
Tgt Ion: 96 Resp: 5009

Ion Ratio Lower Upper

96 100

61 136.5 95.6 177.6

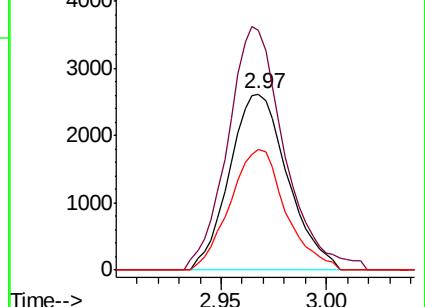
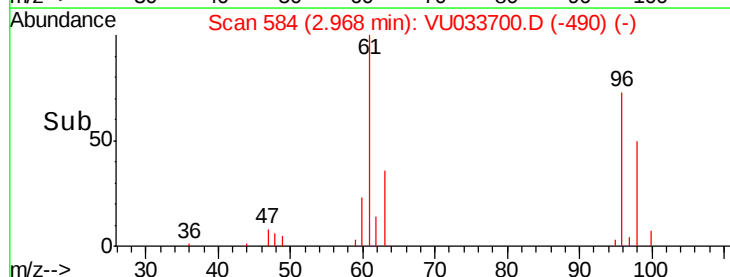
98 68.3 44.6 82.8

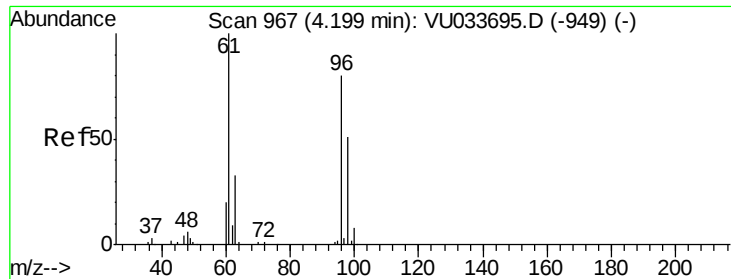


Abundance Ion 96.00 (95.70 to 96.70): VU033700.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033700.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033700.D (-490) (-)

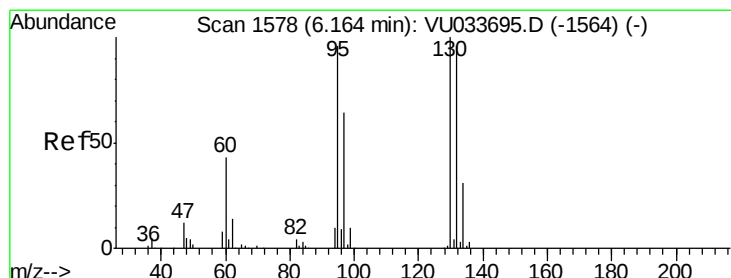
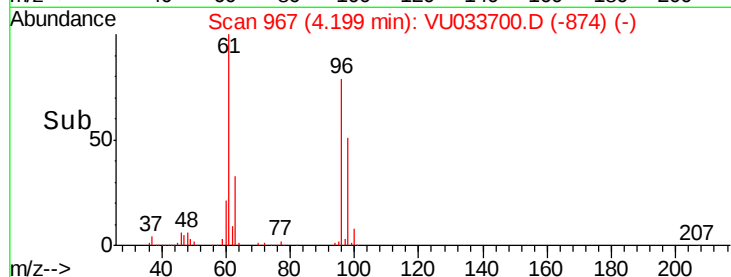
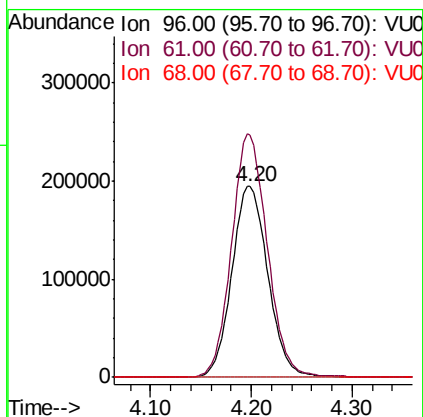
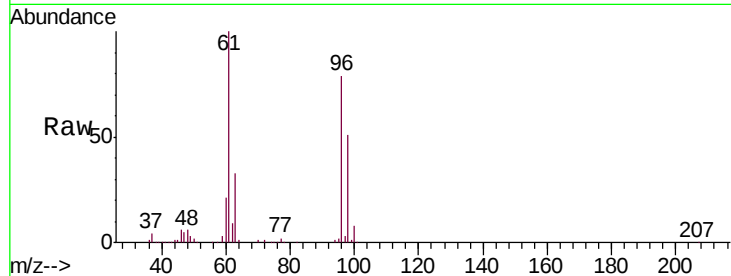




#20
 cis-1,2-Dichloroethene
 Concen: 173.967 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033700.D
 Acq: 09 Aug 2019 22:05

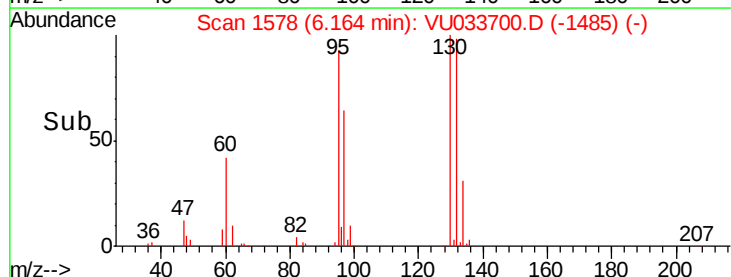
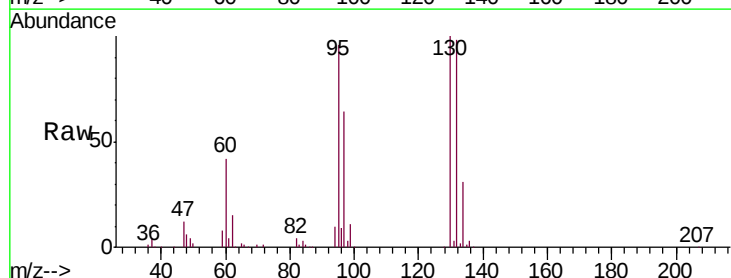
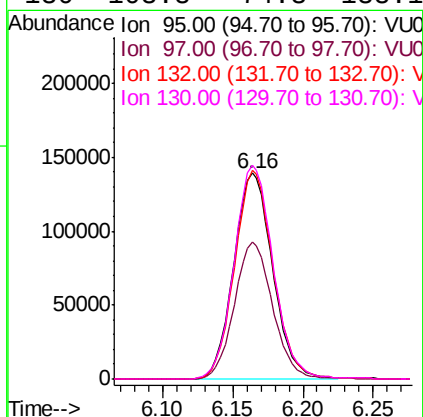
Instrument :
 MSVOA_U
 ClientSampleId :
 F2B31

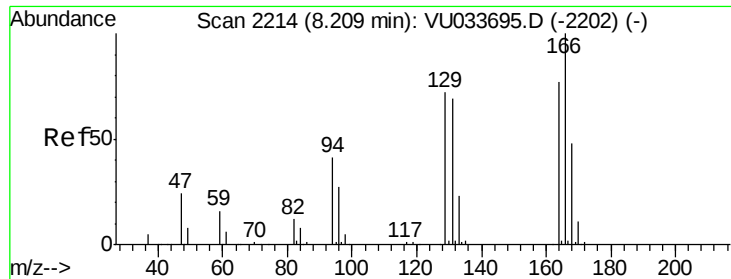
Tgt Ion: 96 Resp: 482743
 Ion Ratio Lower Upper
 96 100
 61 126.7 87.0 161.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 99.271 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033700.D
 Acq: 09 Aug 2019 22:05

Tgt Ion: 95 Resp: 269316
 Ion Ratio Lower Upper
 95 100
 97 66.4 45.6 84.8
 132 101.3 72.0 133.8
 130 103.8 74.3 138.1





#46

Tetrachloroethene

Concen: 5.672 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

Instrument :

MSVOA_U

ClientSampled :

F2B31

Tgt Ion:164 Resp: 12685

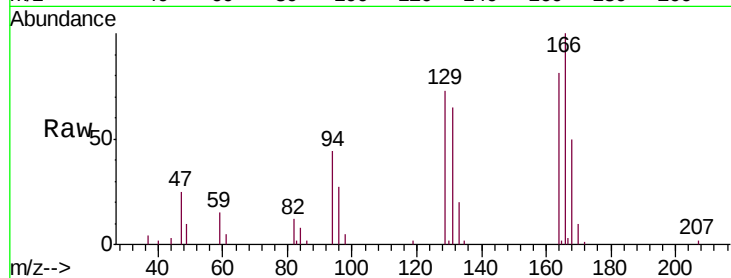
Ion Ratio Lower Upper

164 100

129 91.2 65.5 121.7

131 80.6 63.6 118.0

166 124.1 92.7 172.3

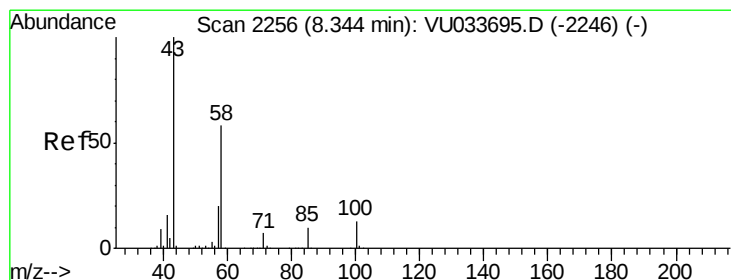
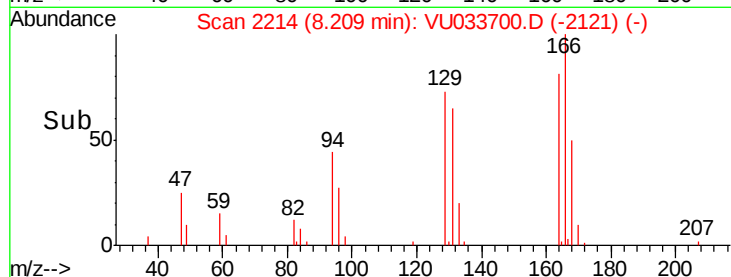
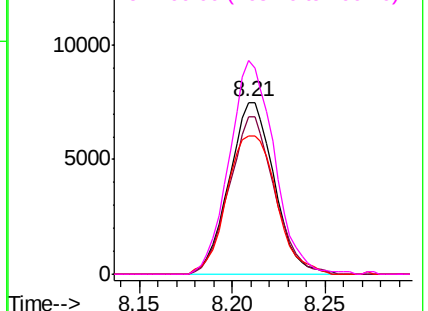


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 7.034 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.05 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

Tgt Ion: 43 Resp: 22603

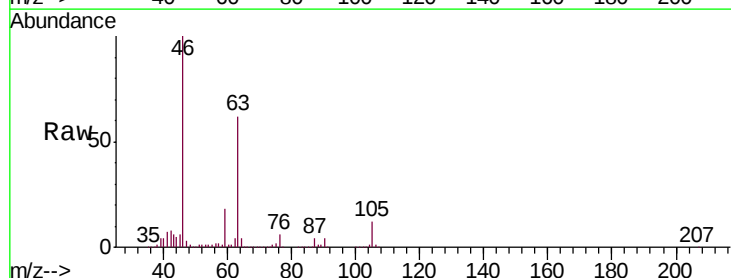
Ion Ratio Lower Upper

43 100

58 24.1 46.6 70.0#

57 24.4 16.2 24.4#

100 0.0 10.1 15.1#

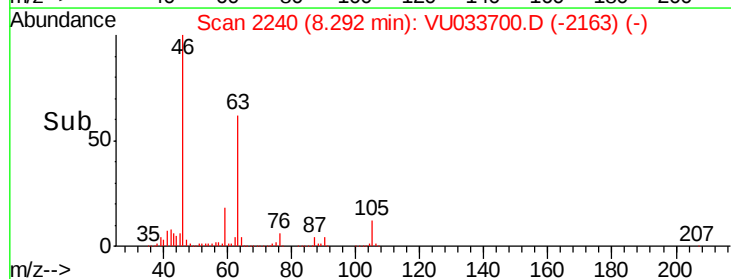
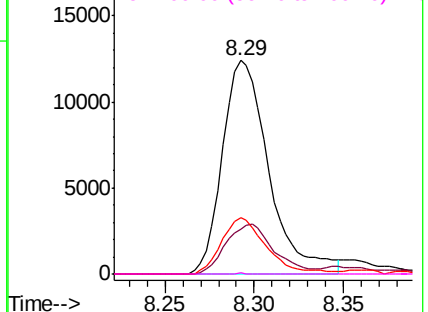


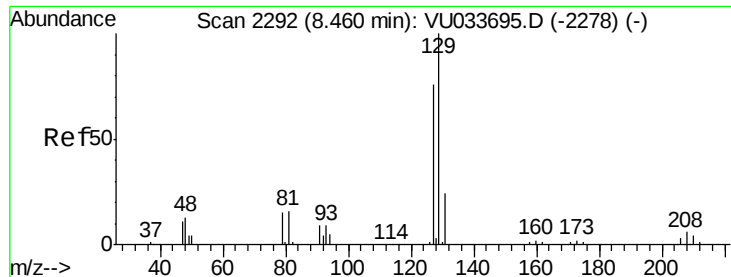
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 3.872 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. -0.25 min

Lab File: VU033700.D

Acq: 09 Aug 2019 22:05

Instrument :

MSVOA_U

ClientSampleId :

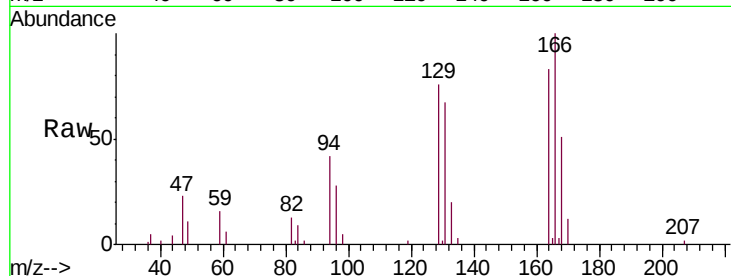
F2B31

Tgt Ion:129 Resp: 11638

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.21

6000

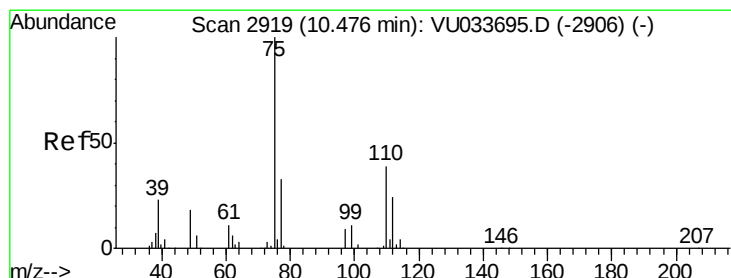
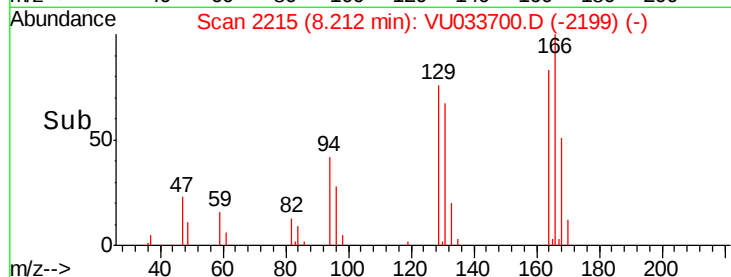
4000

2000

0

8.15 8.20 8.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.853 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033700.D

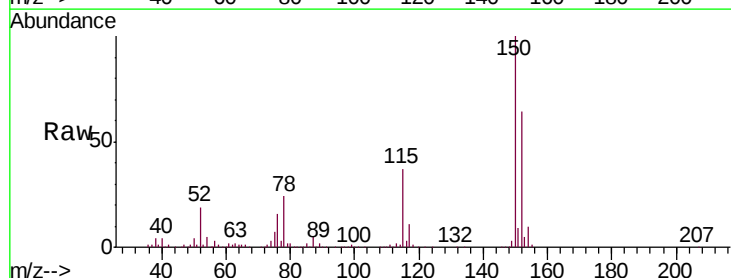
Acq: 09 Aug 2019 22:05

Tgt Ion: 75 Resp: 21712

Ion Ratio Lower Upper

75 100

77 35.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.47

15000

10000

5000

0

11.40 11.45 11.50 11.55

Time-->

