

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032298.D
 Acq On : 24 May 2019 09:04
 Operator : JC/SP
 Sample : K3018-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 09:55:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 07:24:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	786076	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	782284	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	338569	50.00	ug/L	0.00

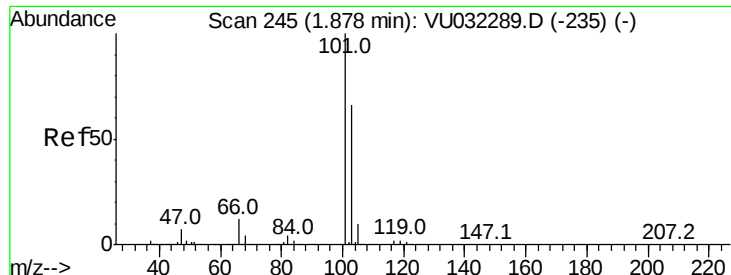
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	234988	57.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.38%
7) Chloroethane-d5	1.67	69	210201	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.35	63	328	0.04	ug/L	0.08
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.08%#
21) 2-Butanone-d5	4.17	46	357630	91.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.23%
24) Chloroform-d	4.64	84	478010	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.30	65	296648	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.18%
32) Benzene-d6	5.33	84	993057	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
36) 1,2-Dichloropropane-d6	6.32	67	304019	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.90%
41) Toluene-d8	7.56	98	899867	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%
43) trans-1,3-Dichloropropene-	7.85	79	134818	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.31	63	235596	88.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	458869	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	351827	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	1.88	101	83942	11.798	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	3525	0.853	ug/L # 20
12) 1,1-Dichloroethene	2.27	96	2968	0.644	ug/L # 1
13) Acetone	2.32	43	4289	1.357	ug/L 88
20) cis-1,2-Dichloroethene	4.22	96	5911	0.922	ug/L 95
34) Trichloroethene	6.18	95	176087	31.815	ug/L 97
42) Toluene	7.64	91	46289	1.965	ug/L 99
44) trans-1,3-Dichloropropene	7.85	75	5400	0.716	ug/L 91
46) Tetrachloroethene	8.22	164	193577	46.562	ug/L 98
48) 2-Hexanone	8.31	43	25103	4.000	ug/L # 83

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

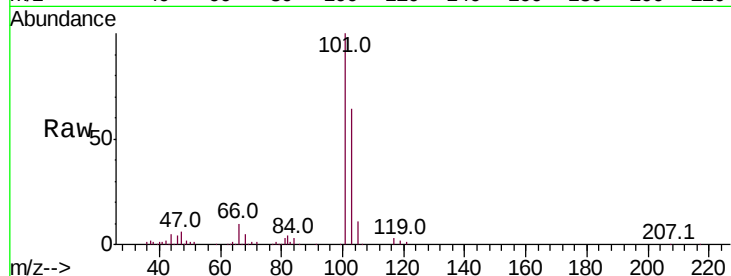


#9

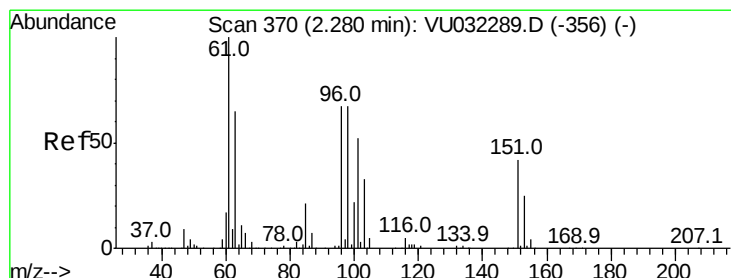
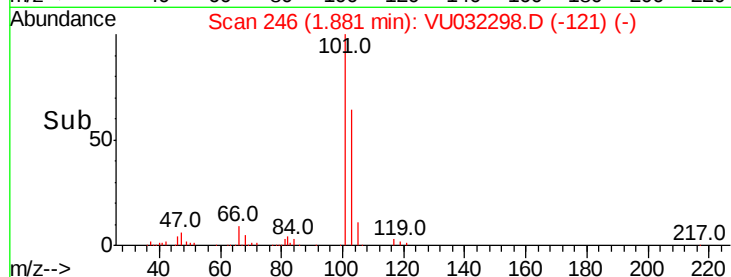
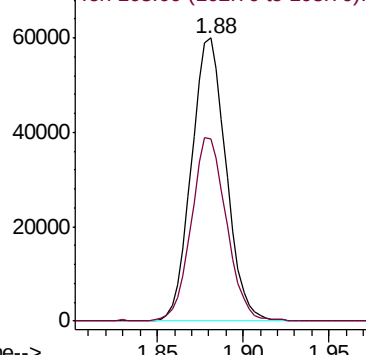
Trichlorofluoromethane
 Concen: 11.798 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU032298.D
 Acq: 24 May 2019 09:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:101 Resp: 83942
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.6 79.0



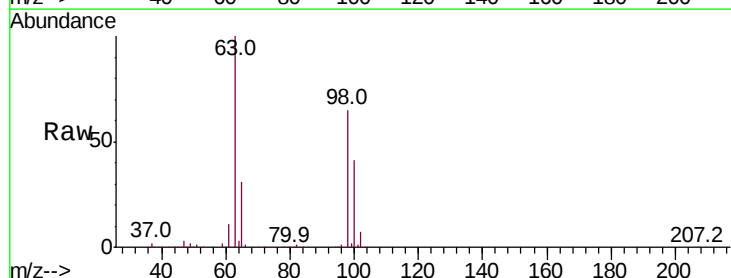
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



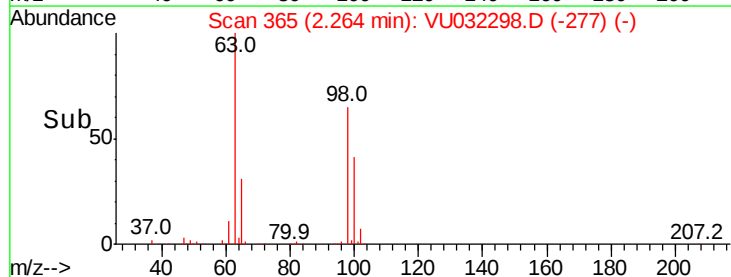
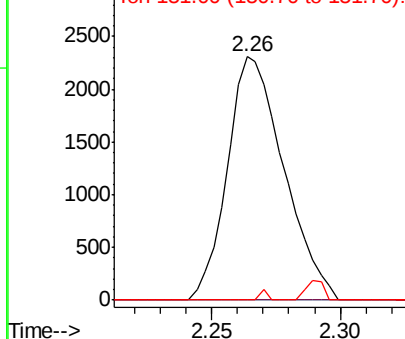
#10

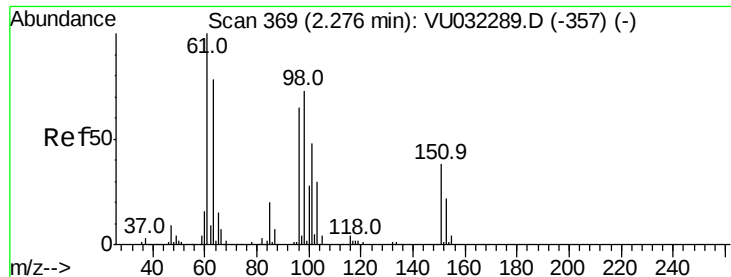
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.853 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VU032298.D
 Acq: 24 May 2019 09:04

Tgt Ion:101 Resp: 3525
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 2.6 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.644 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032298.D

Acq: 24 May 2019 09:04

Instrument :
MSVOA_U
ClientSampled :

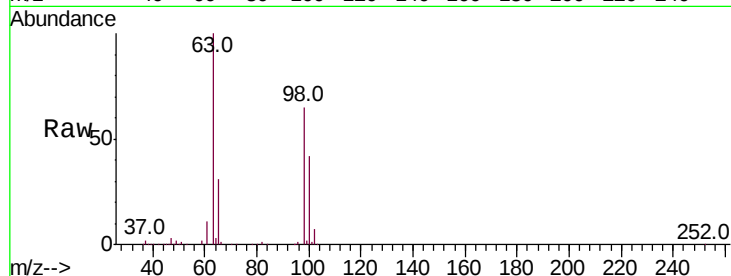
Tot Ion: 96 Resp: 2968

Ion Ratio Lower Upper

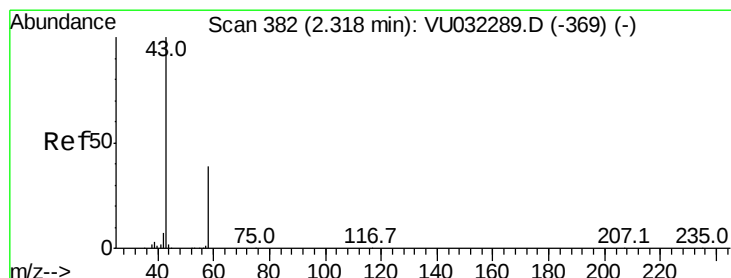
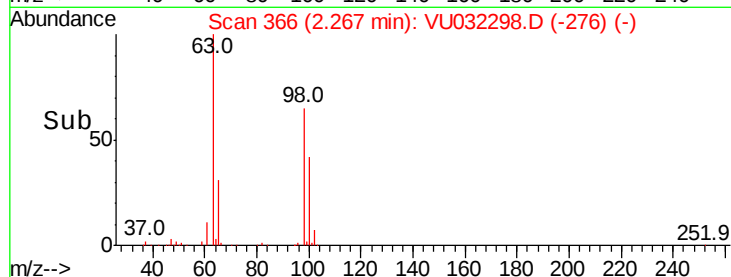
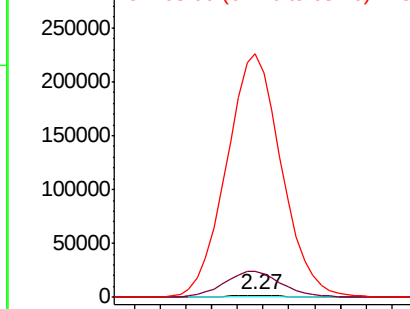
96 100

61 1310.0 108.0 200.6#

63 12291.3 85.5 158.7#



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: 1.357 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032298.D

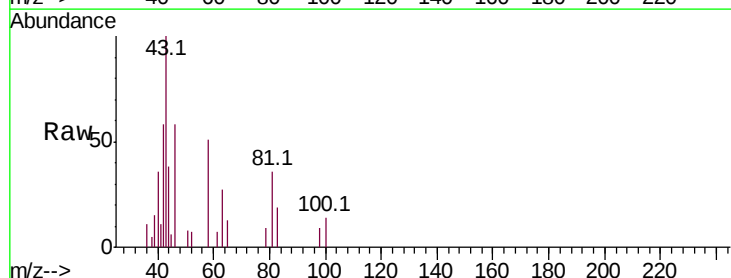
Acq: 24 May 2019 09:04

Tgt Ion: 43 Resp: 4289

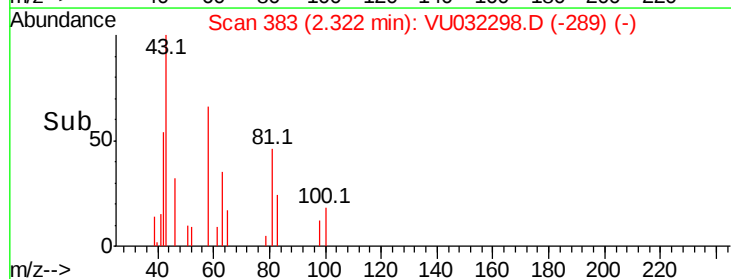
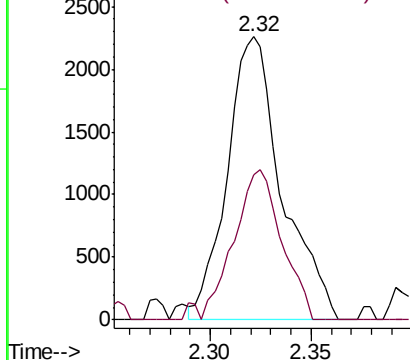
Ion Ratio Lower Upper

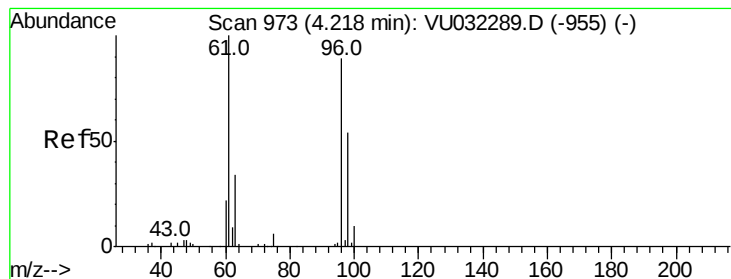
43 100

58 46.2 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 0.922 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032298.D

Acq: 24 May 2019 09:04

Instrument :
MSVOA_U
ClientSampleId :

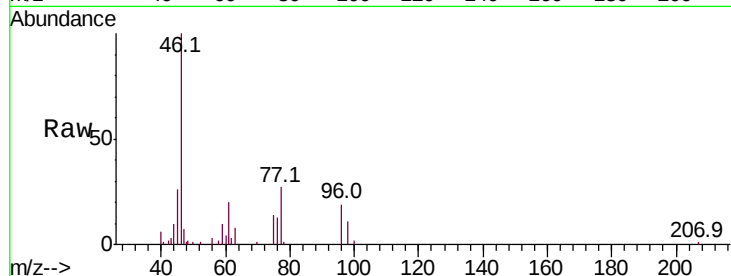
Tot Ion: 96 Resp: 5911

Ion Ratio Lower Upper

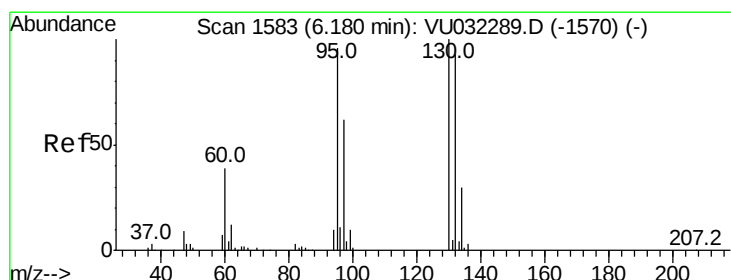
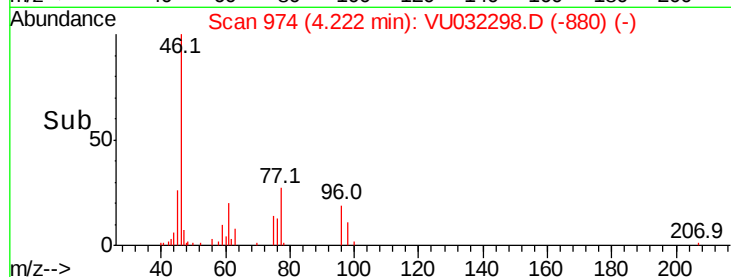
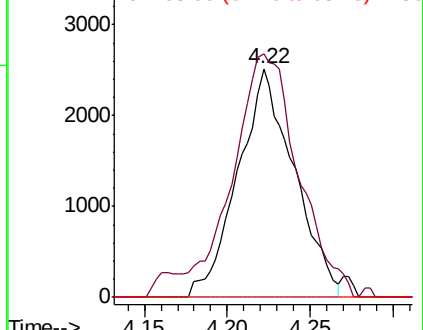
96 100

61 106.6 78.5 145.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene

Concen: 31.815 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032298.D

Acq: 24 May 2019 09:04

Tgt Ion: 95 Resp: 176087

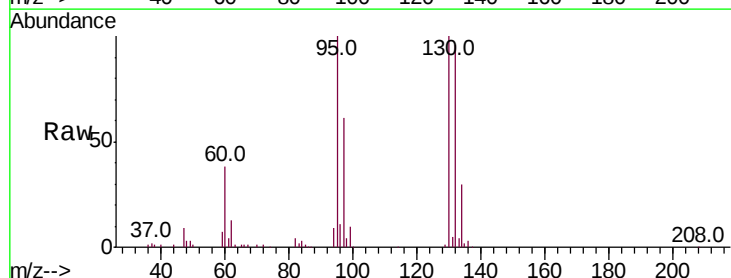
Ion Ratio Lower Upper

95 100

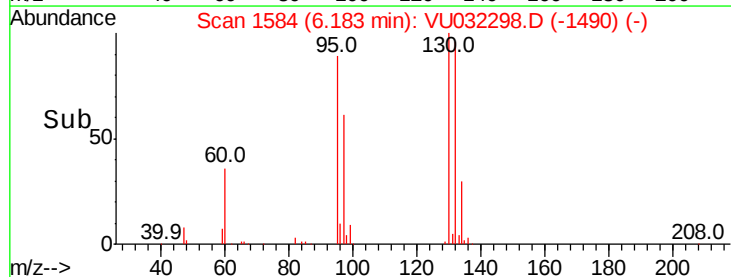
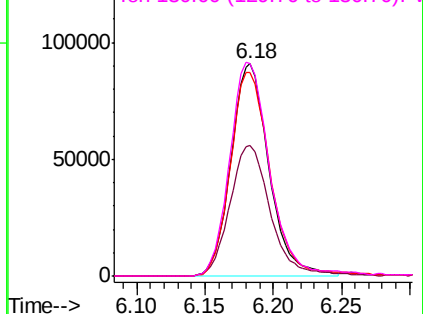
97 61.6 45.3 84.1

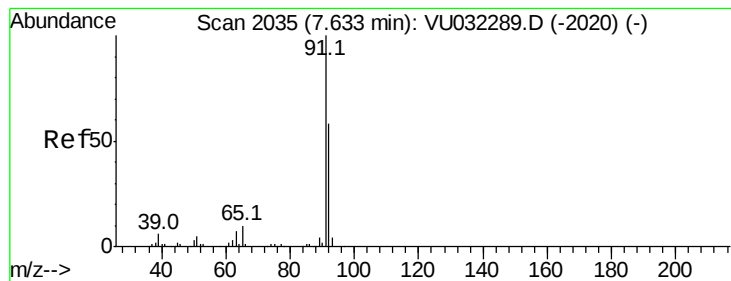
132 95.9 68.0 126.2

130 100.3 73.2 136.0



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





#42

Toluene

Concen: 1.965 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032298.D

Acq: 24 May 2019 09:04

Instrument :

MSVOA_U

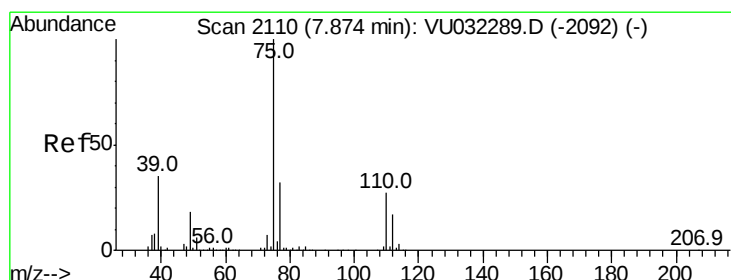
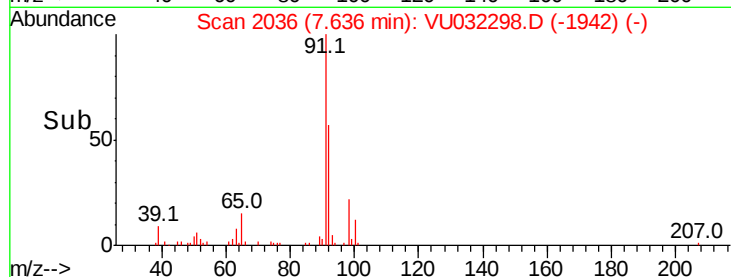
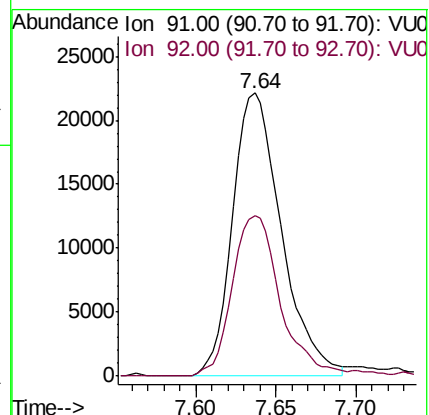
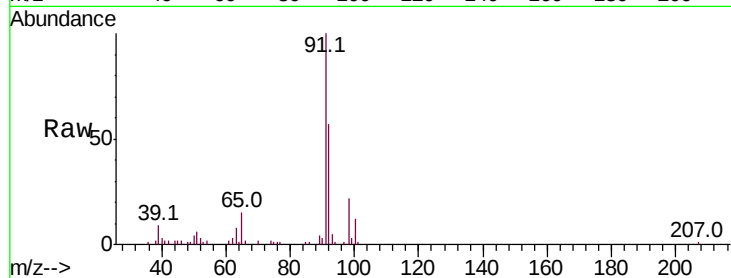
ClientSampled :

Tot Ion: 91 Resp: 46289

Ion Ratio Lower Upper

91 100

92 56.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 0.716 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032298.D

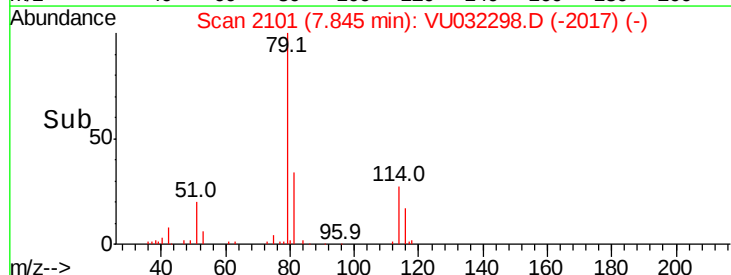
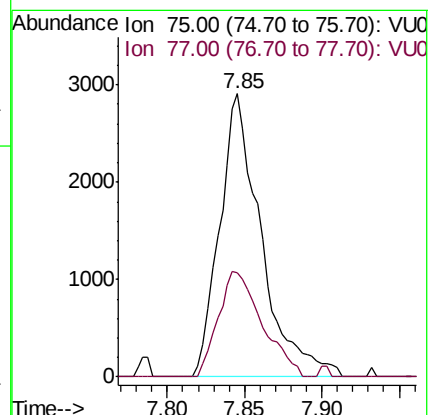
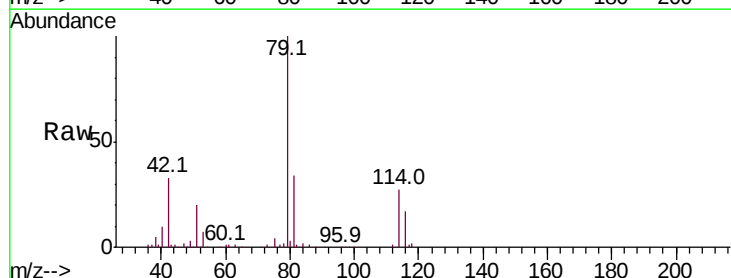
Acq: 24 May 2019 09:04

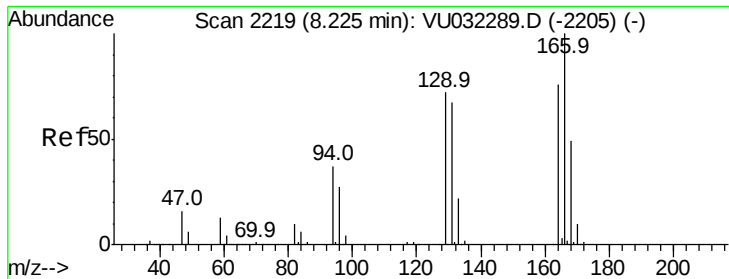
Tgt Ion: 75 Resp: 5400

Ion Ratio Lower Upper

75 100

77 36.8 22.4 41.6

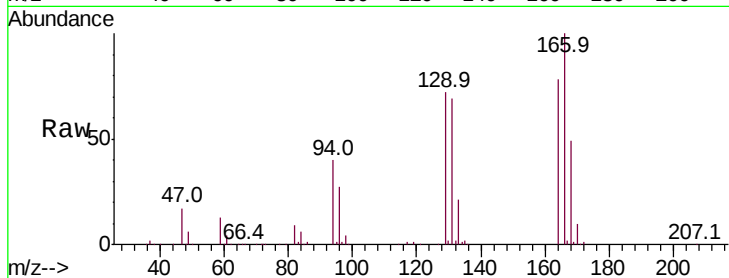




#46
Tetrachloroethene
Concen: 46.562 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU032298.D
Acq: 24 May 2019 09:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	164	Resp:	193577
Ion	Ratio	Lower	Upper
164	100		
129	91.8	66.2	123.0
131	88.9	61.9	114.9
166	128.2	91.8	170.4



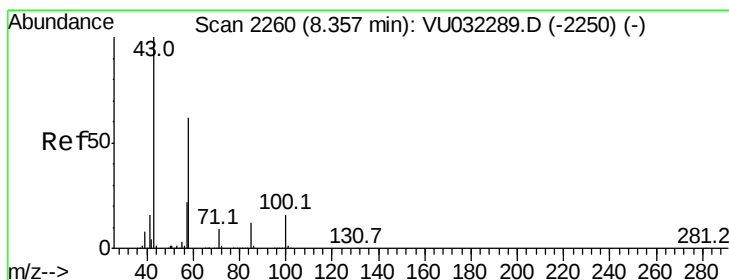
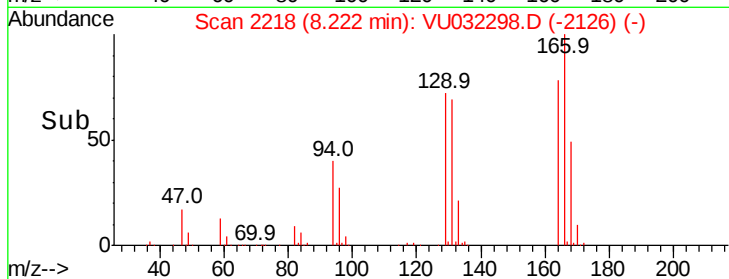
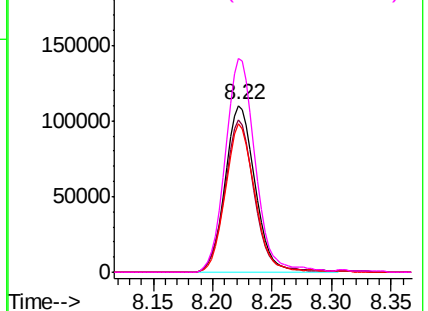
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

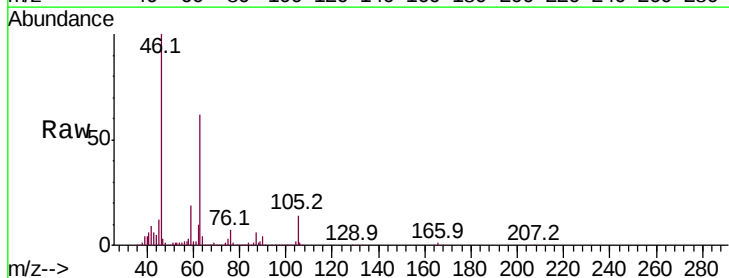
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 4.000 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU032298.D
Acq: 24 May 2019 09:04

Tgt Ion:	43	Resp:	25103
Ion	Ratio	Lower	Upper
43	100		
58	55.9	51.4	77.0
57	32.7	17.8	26.8#
100	1.4	12.8	19.2#



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

