

Data File : VU033432.D
Acq On : 26 Jul 2019 00:09
Operator : JC/SP
Sample : K3976-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CC3

Quant Time: Jul 26 05:55:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	269871	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	280728	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	121598	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125705	61.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.06%
7) Chloroethane-d5	1.67	69	108384	62.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	124.20%
11) 1,1-Dichloroethene-d2	2.26	63	155633	42.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.00%
21) 2-Butanone-d5	4.15	46	137950	106.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.57%
24) Chloroform-d	4.62	84	183201	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.02%
26) 1,2-Dichloroethane-d4	5.29	65	130779	59.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.12%
32) Benzene-d6	5.32	84	403336	58.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.14%
36) 1,2-Dichloropropane-d6	6.31	67	128782	58.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.76%
41) Toluene-d8	7.55	98	359155	55.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.60%
43) trans-1,3-Dichloropropene-	7.83	79	54971	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.64%
47) 2-Hexanone-d5	8.30	63	105590	106.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.17%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186539	55.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.74%
64) 1,2-Dichlorobenzene-d4	11.85	152	135753	62.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	125.20%#

Target Compounds

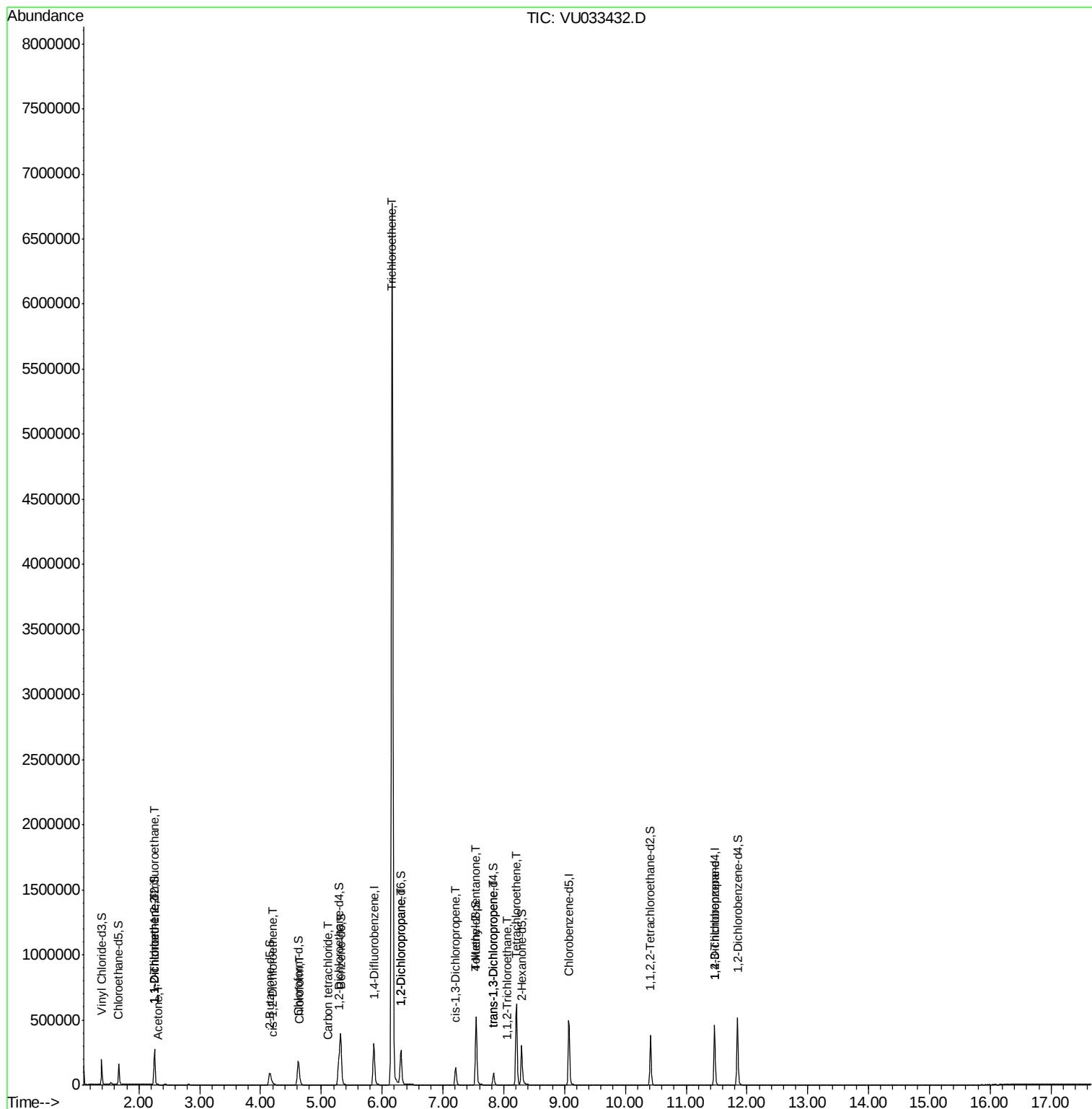
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1534	0.833 ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1186	0.658 ug/L #	1
13) Acetone	2.31	43	2324	1.437 ug/L	65
20) cis-1,2-Dichloroethene	4.20	96	2663	1.268 ug/L	83
25) Chloroform	4.65	83	18296	4.807 ug/L	97
31) Carbon tetrachloride	5.11	117	2269	0.792 ug/L	97
34) Trichloroethene	6.16	95	2303603	1075.913 ug/L	97
37) 1,2-Dichloropropane	6.31	63	14203	6.397 ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3458	1.016 ug/L #	66
40) 4-Methyl-2-pentanone	7.55	43	1400	0.470 ug/L #	1
44) trans-1,3-Dichloropropene	7.83	75	2532	0.825 ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	1234	0.588 ug/L #	83
46) Tetrachloroethene	8.21	164	137365	82.876 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	14274	4.938 ug/L	91

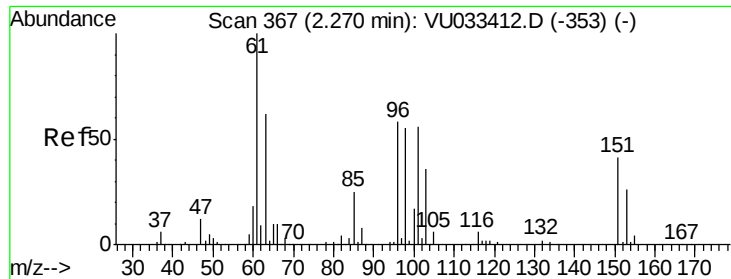
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.833 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033432.D

Acq: 26 Jul 2019 00:09

Instrument :

MSVOA_U

ClientSampleId :

C0CC3

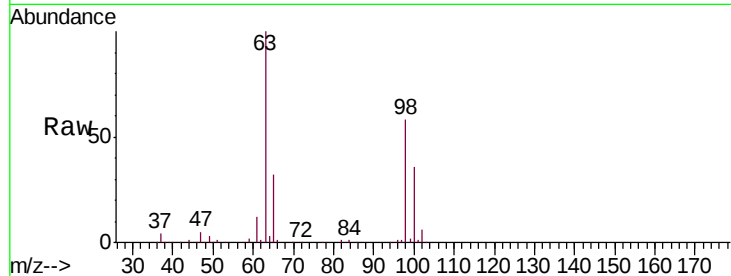
Tgt Ion:101 Resp: 1534

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

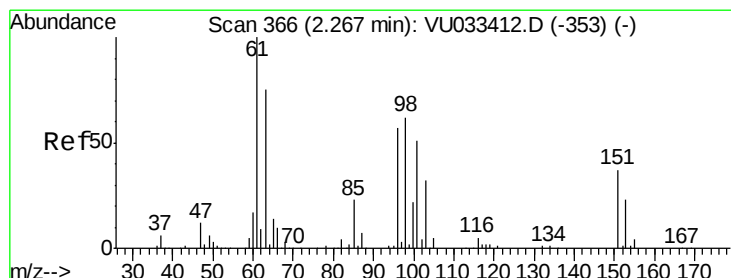
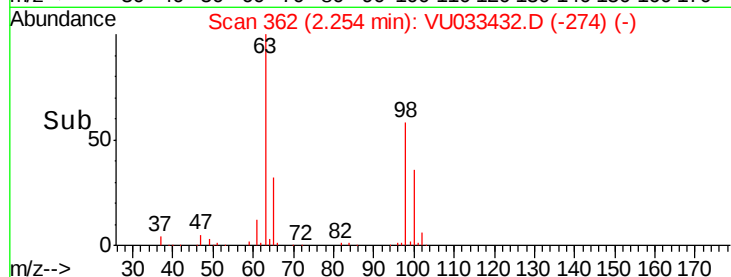
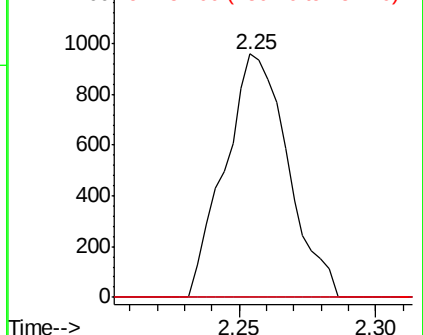
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.658 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033432.D

Acq: 26 Jul 2019 00:09

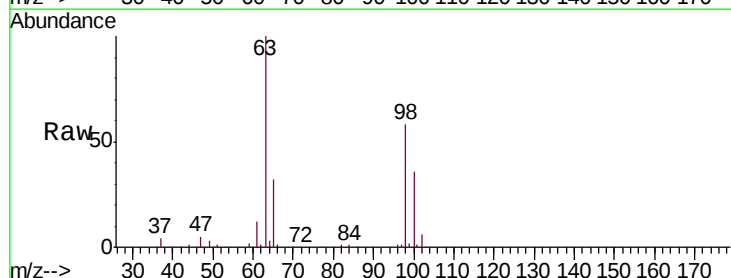
Tgt Ion: 96 Resp: 1186

Ion Ratio Lower Upper

96 100

61 1527.1 126.1 234.1#

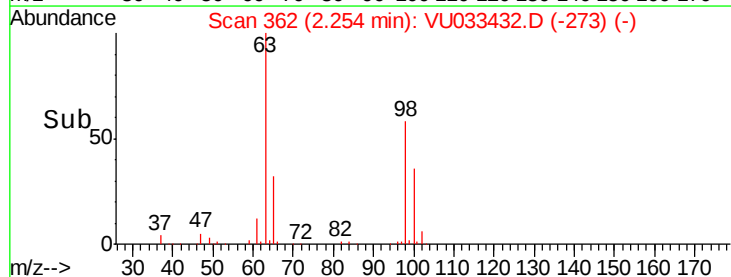
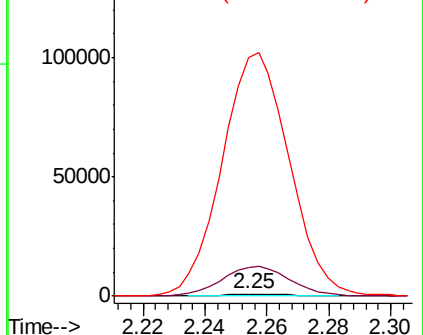
63 12679.3 96.8 179.8#

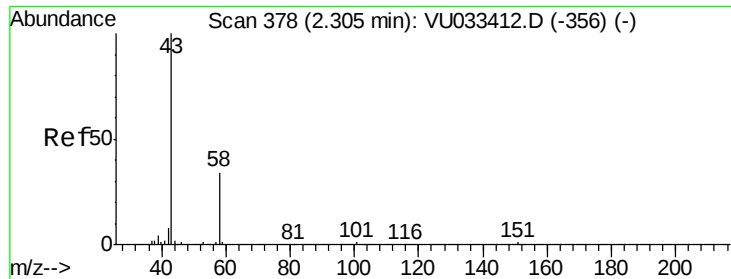


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.437 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033432.D

Acq: 26 Jul 2019 00:09

Instrument :

MSVOA_U

ClientSampled :

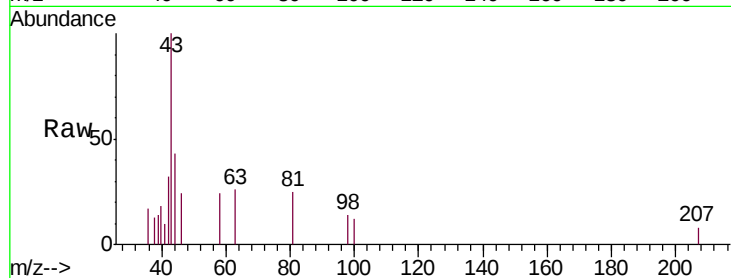
C0CC3

Tgt Ion: 43 Resp: 2324

Ion Ratio Lower Upper

43 100

58 13.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033432.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033432.D (-356) (-)

2.31

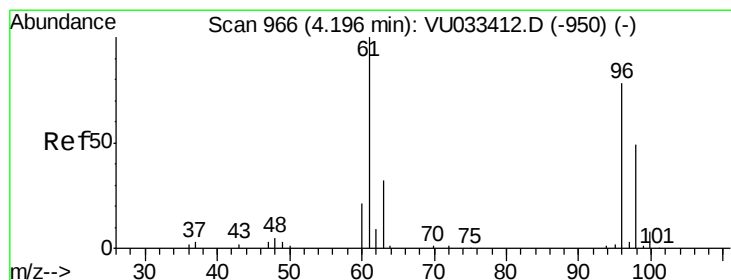
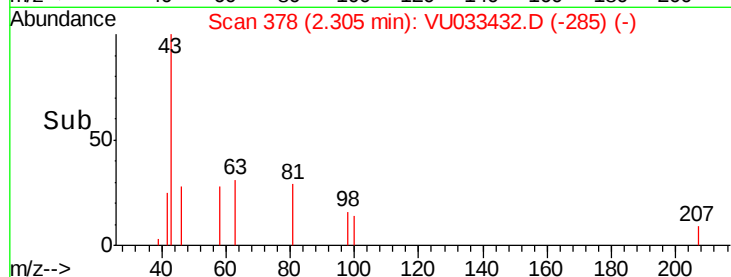
1500

1000

500

0

Time--> 2.25 2.30 2.35



#20

cis-1,2-Dichloroethene

Concen: 1.268 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU033432.D

Acq: 26 Jul 2019 00:09

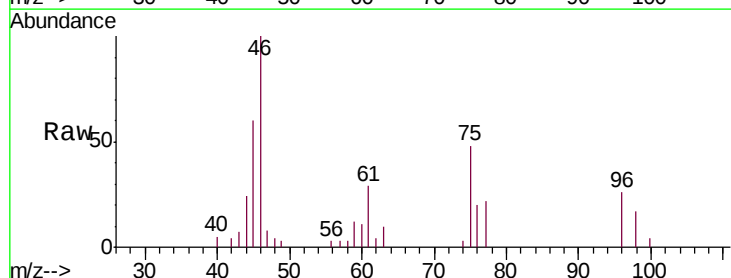
Tgt Ion: 96 Resp: 2663

Ion Ratio Lower Upper

96 100

61 110.7 91.1 169.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033432.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033432.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033432.D (-873) (-)

4.20

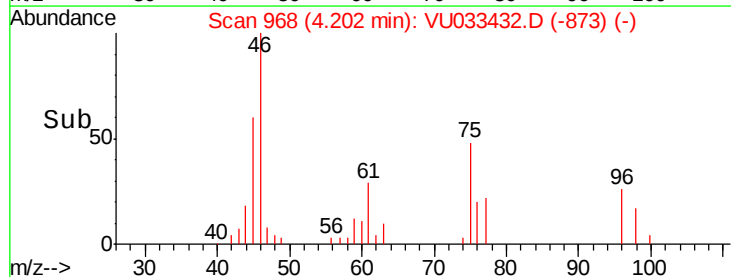
1500

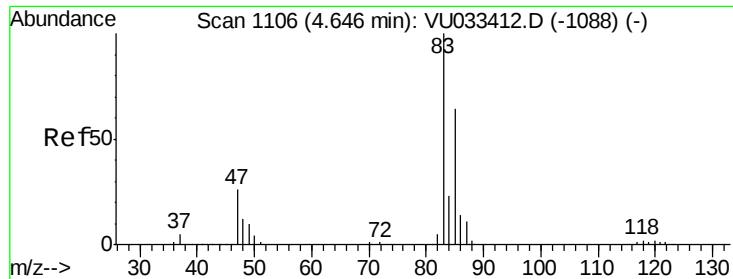
1000

500

0

Time--> 4.15 4.20 4.25

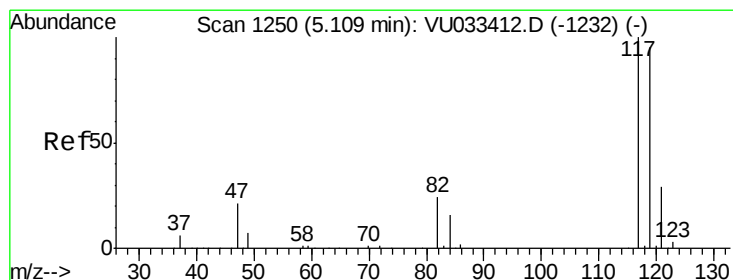
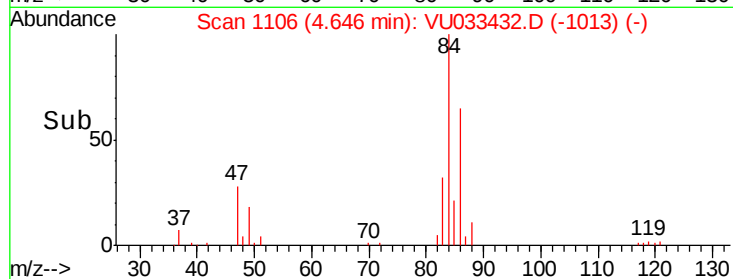
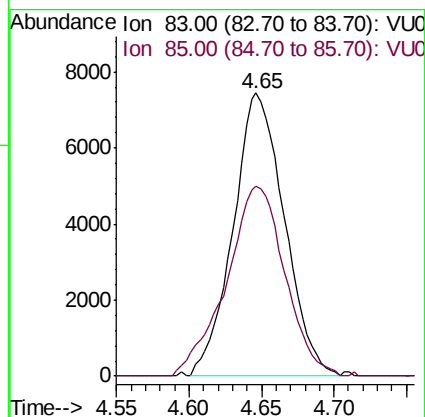
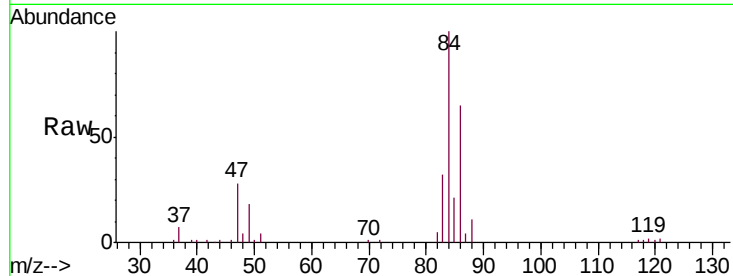




#25
Chloroform
Concen: 4.807 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033432.D
Acq: 26 Jul 2019 00:09

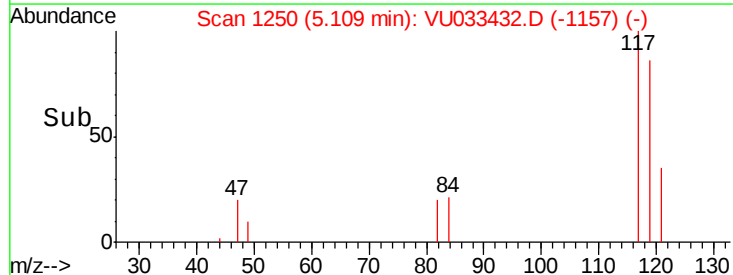
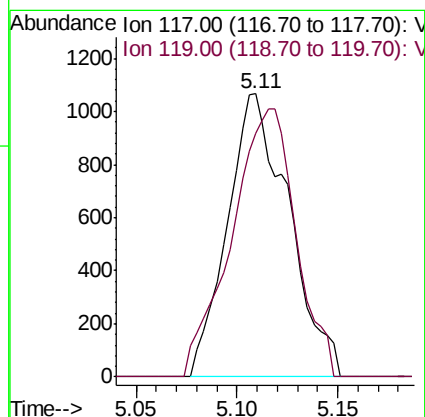
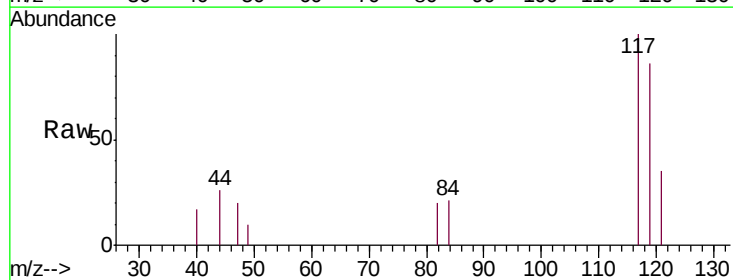
Instrument :
MSVOA_U
ClientSampleId :
C0CC3

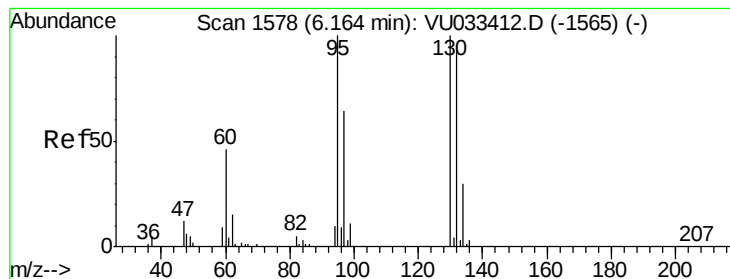
Tgt Ion: 83 Resp: 18296
Ion Ratio Lower Upper
83 100
85 67.1 45.4 84.4



#31
Carbon tetrachloride
Concen: 0.792 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033432.D
Acq: 26 Jul 2019 00:09

Tgt Ion: 117 Resp: 2269
Ion Ratio Lower Upper
117 100
119 98.7 76.9 115.3





#34

Trichloroethene

Concen: 1075.913 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033432.D

Acq: 26 Jul 2019 00:09

Instrument :

MSVOA_U

ClientSampleId :

C0CC3

Tgt Ion: 95 Resp: 2303603

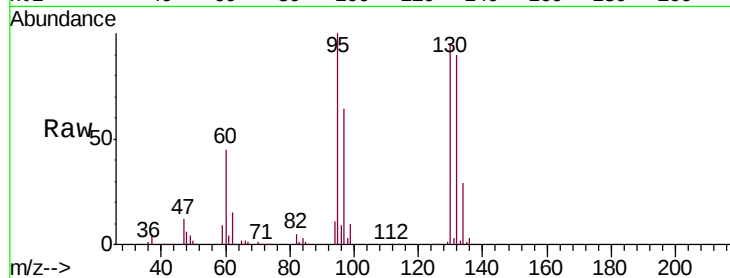
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 90.1 65.5 121.6

130 95.2 69.7 129.5

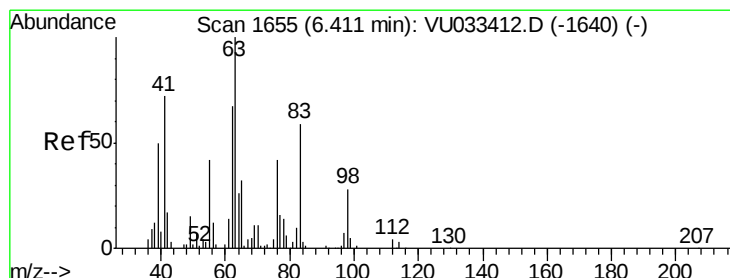
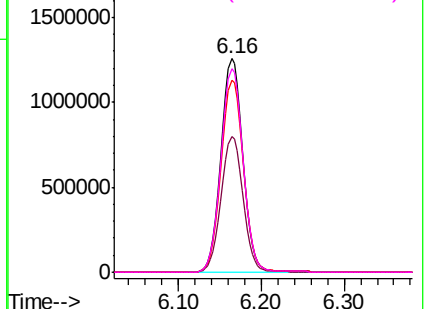
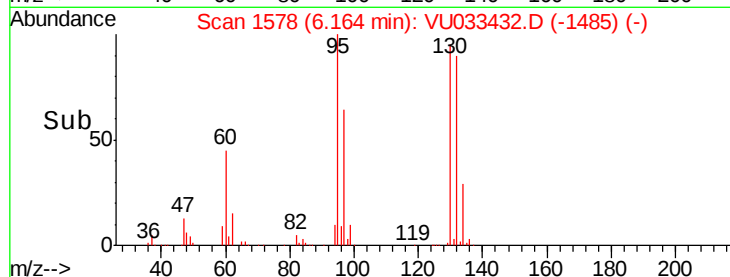


Abundance Ion 95.00 (94.70 to 95.70): VU033412.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033412.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033412.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033412.D (-1565) (-)



#37

1,2-Dichloropropane

Concen: 6.397 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033432.D

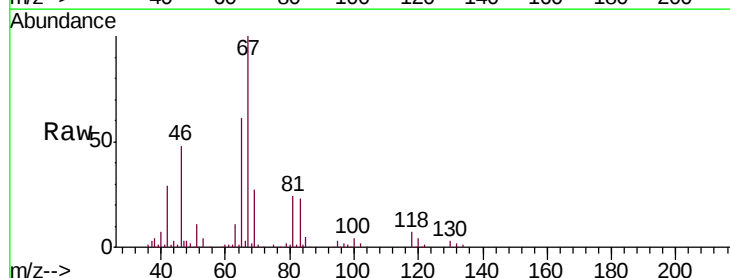
Acq: 26 Jul 2019 00:09

Tgt Ion: 63 Resp: 14203

Ion Ratio Lower Upper

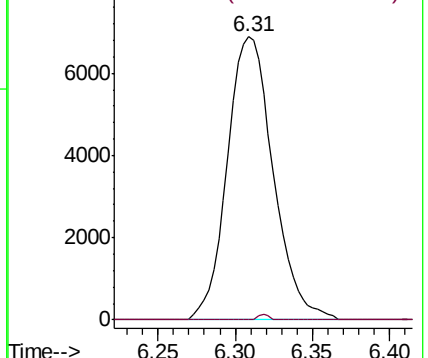
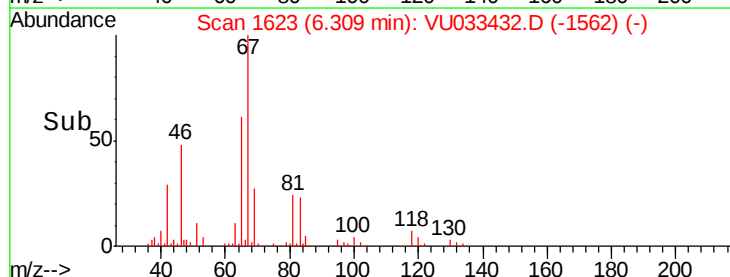
63 100

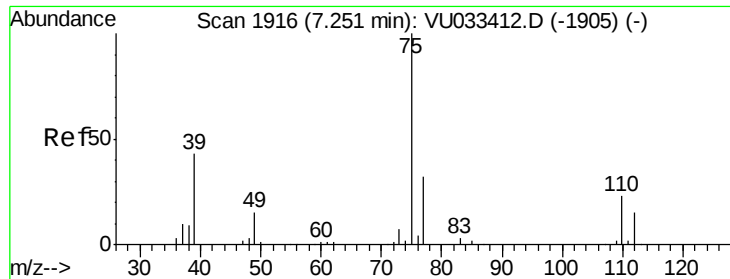
112 0.5 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU033412.D (-1640) (-)

Ion 112.00 (111.70 to 112.70): VU033412.D (-1640) (-)

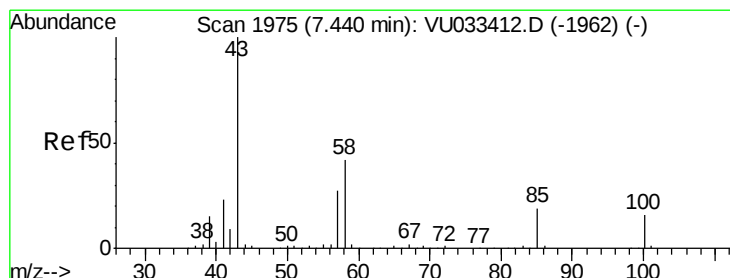
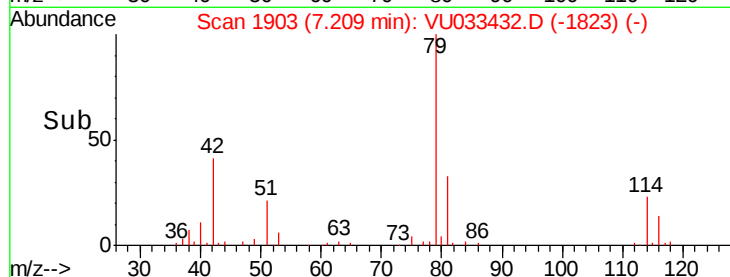
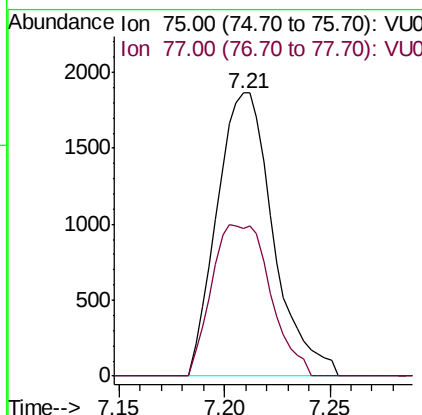
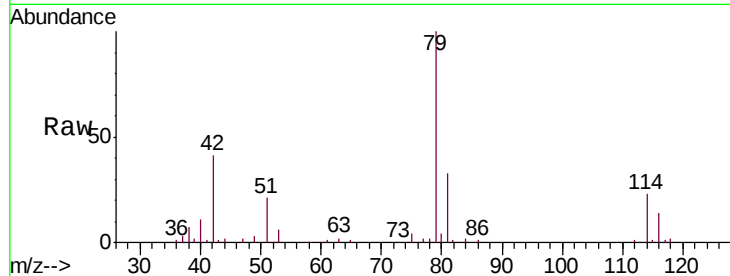




#39
 cis-1,3-Dichloropropene
 Concen: 1.016 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033432.D
 Acq: 26 Jul 2019 00:09

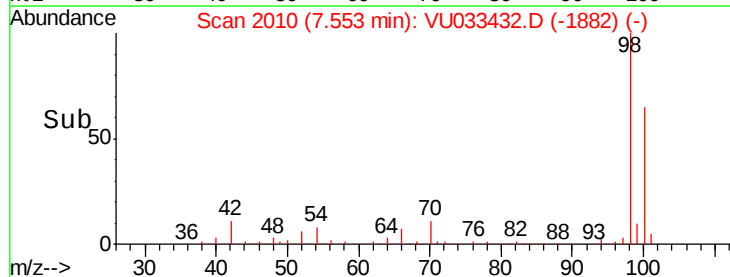
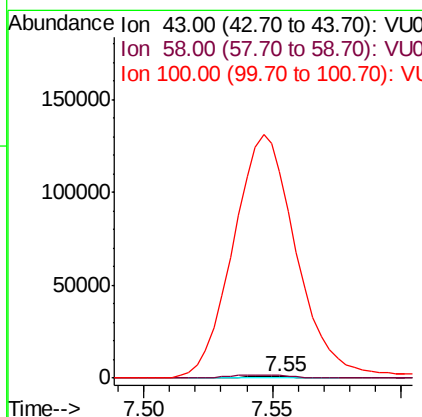
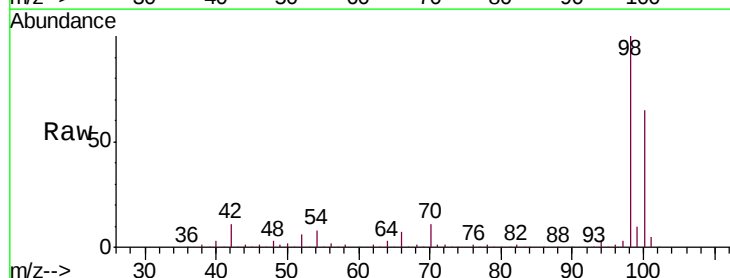
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CC3

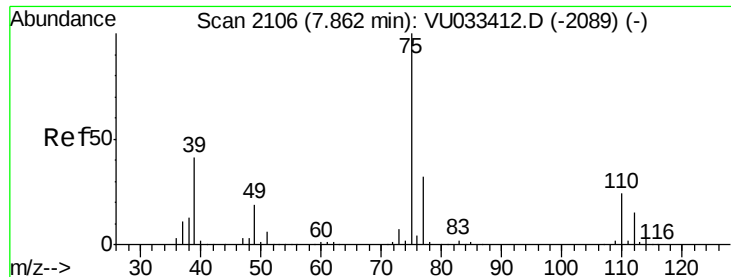
Tgt Ion: 75 Resp: 3458
 Ion Ratio Lower Upper
 75 100
 77 52.4 23.1 42.9#



#40
 4-Methyl-2-pentanone
 Concen: 0.470 ug/L
 RT: 7.55 min Scan# 2010
 Delta R.T. 0.11 min
 Lab File: VU033432.D
 Acq: 26 Jul 2019 00:09

Tgt Ion: 43 Resp: 1400
 Ion Ratio Lower Upper
 43 100
 58 212.3 33.3 49.9#
 100 16324.6 12.1 18.1#

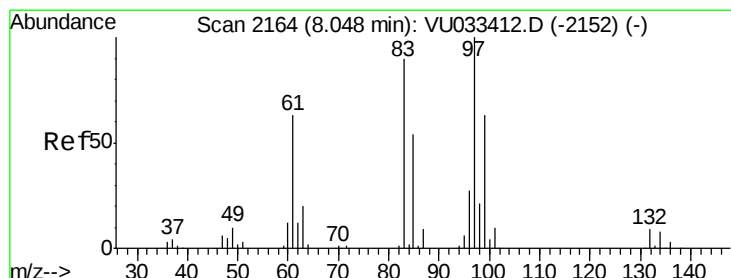
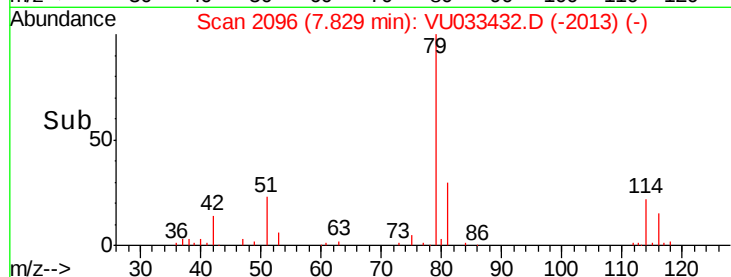
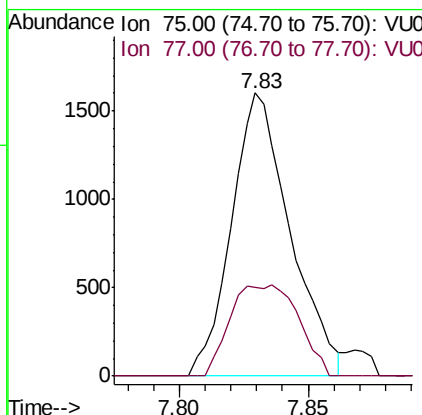
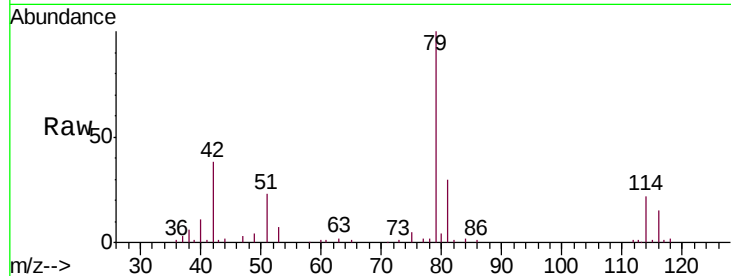




#44
trans-1,3-Dichloropropene
Concen: 0.825 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033432.D
Acq: 26 Jul 2019 00:09

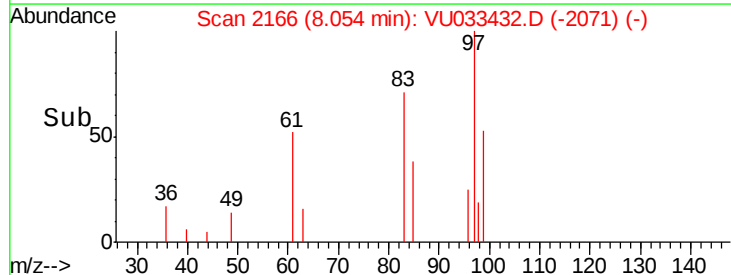
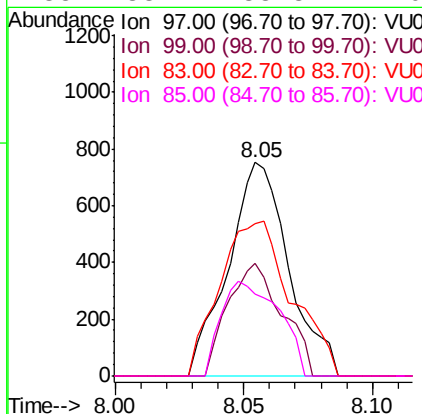
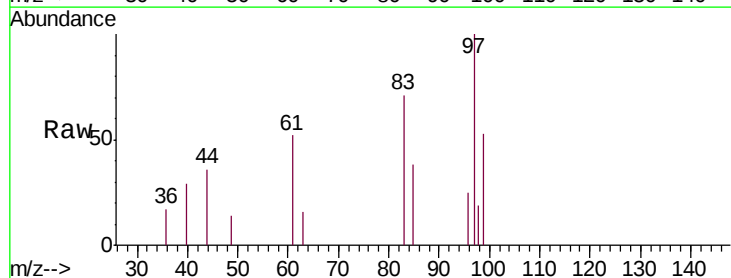
Instrument :
MSVOA_U
ClientSampleId :
C0CC3

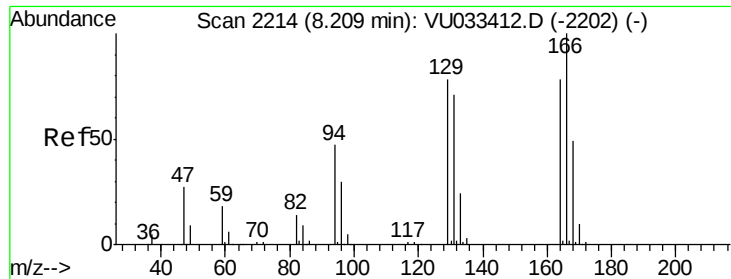
Tgt Ion: 75 Resp: 2532
Ion Ratio Lower Upper
75 100
77 31.4 22.4 41.6



#45
1,1,2-Trichloroethane
Concen: 0.588 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU033432.D
Acq: 26 Jul 2019 00:09

Tgt Ion: 97 Resp: 1234
Ion Ratio Lower Upper
97 100
99 52.9 43.0 79.8
83 71.3 61.5 114.3
85 38.1 38.8 72.0#

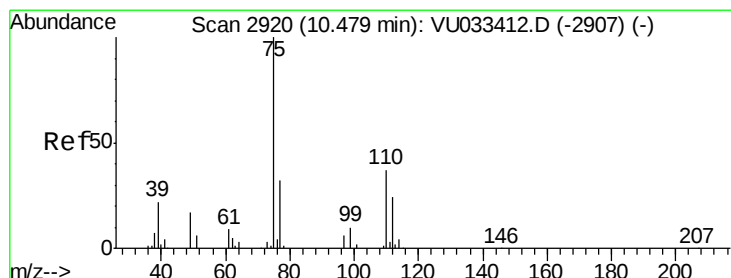
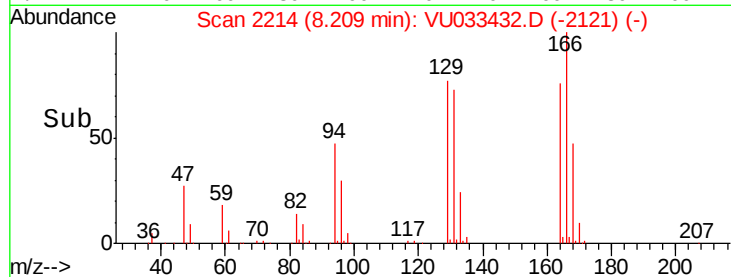
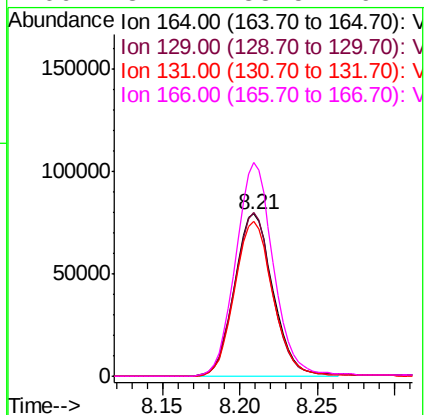
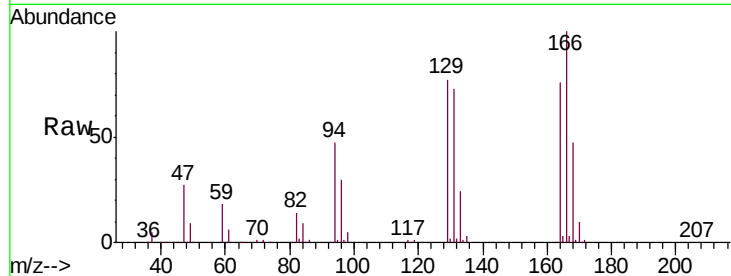




#46
Tetrachloroethene
Concen: 82.876 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033432.D
Acq: 26 Jul 2019 00:09

Instrument :
MSVOA_U
ClientSampleId :
C0CC3

Tgt Ion:	164	Resp:	137365
Ion	Ratio	Lower	Upper
164	100		
129	100.9	69.6	129.2
131	95.4	65.7	122.1
166	131.4	88.5	164.4



#59
1,2,3-Trichloropropane
Concen: 4.938 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033432.D
Acq: 26 Jul 2019 00:09

Tgt Ion:	75	Resp:	14274
Ion	Ratio	Lower	Upper
75	100		
77	37.3	26.0	39.0

