

Data File : VU033431.D
Acq On : 25 Jul 2019 23:46
Operator : JC/SP
Sample : K3976-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CB9

Quant Time: Jul 26 05:55:04 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	274101	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	281118	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122672	59.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.24%
7) Chloroethane-d5	1.67	69	108652	61.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.60%
11) 1,1-Dichloroethene-d2	2.25	63	161772	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
21) 2-Butanone-d5	4.15	46	142970	108.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.75%
24) Chloroform-d	4.62	84	185373	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
26) 1,2-Dichloroethane-d4	5.29	65	131791	59.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.18%
32) Benzene-d6	5.32	84	393177	57.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.02%
36) 1,2-Dichloropropane-d6	6.31	67	126788	57.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.78%
41) Toluene-d8	7.55	98	361508	55.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.18%
43) trans-1,3-Dichloropropene-	7.83	79	56208	51.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.78%
47) 2-Hexanone-d5	8.29	63	107750	108.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.19%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187008	55.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	132351	60.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.38%#

Target Compounds

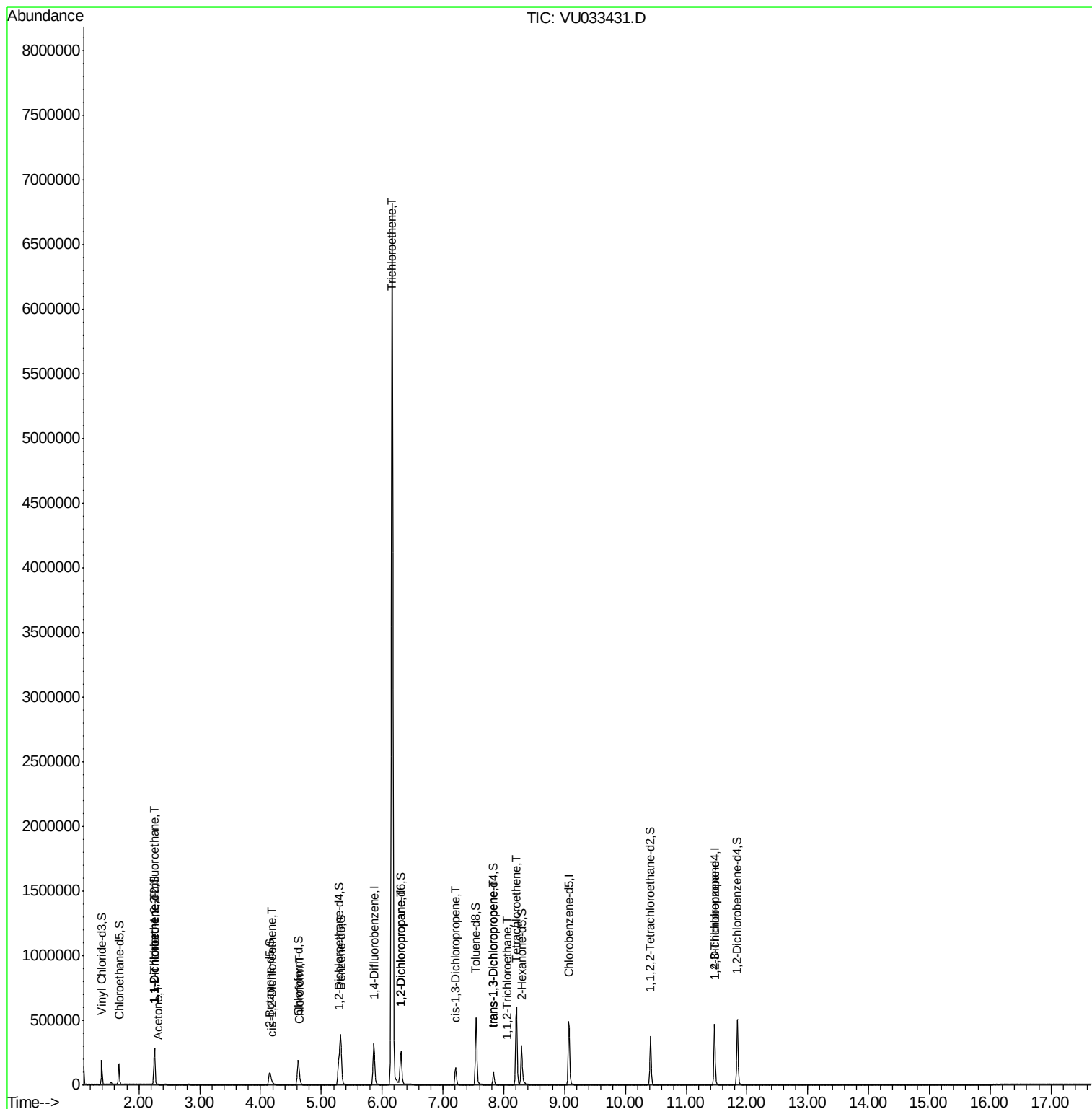
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1353	0.724	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1133	0.619	ug/L #	1
13) Acetone	2.31	43	2320	1.412	ug/L	92
20) cis-1,2-Dichloroethene	4.20	96	2329	1.092	ug/L	86
25) Chloroform	4.65	83	15772	4.080	ug/L	100
34) Trichloroethene	6.16	95	2331740	1087.544	ug/L	97
37) 1,2-Dichloropropane	6.31	63	14228	6.399	ug/L #	90
39) cis-1,3-Dichloropropene	7.21	75	3442	1.010	ug/L #	65
44) trans-1,3-Dichloropropene	7.83	75	2581	0.840	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	1274	0.606	ug/L	92
46) Tetrachloroethene	8.21	164	134668	81.137	ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	15063	5.204	ug/L	95

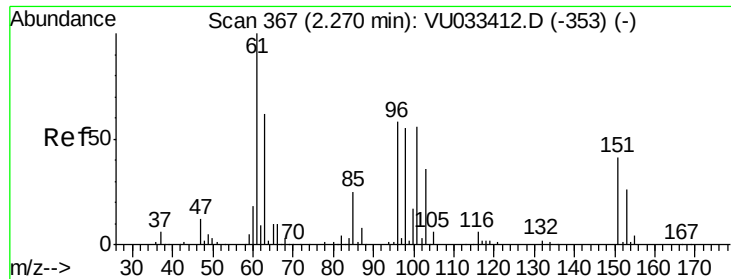
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.724 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033431.D

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Instrument :

MSVOA_U

ClientSampleId :

C0CB9

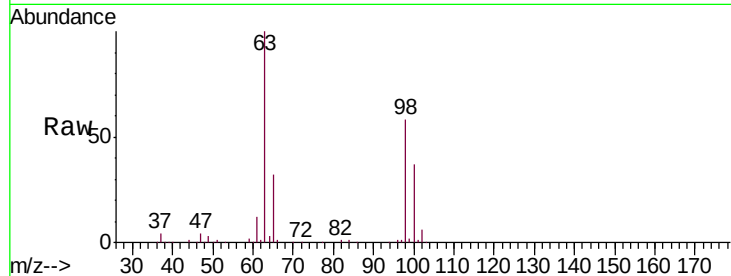
Tgt Ion:101 Resp: 1353

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

1200

1000

800

600

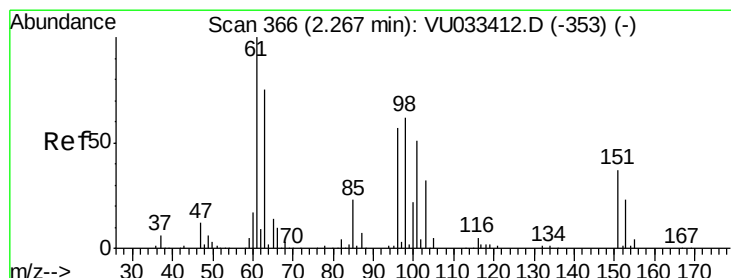
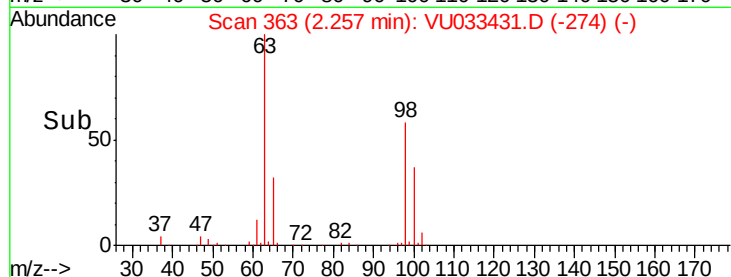
400

200

0

2.22 2.24 2.26 2.28

Time-->



#12

1,1-Dichloroethene

Concen: 0.619 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

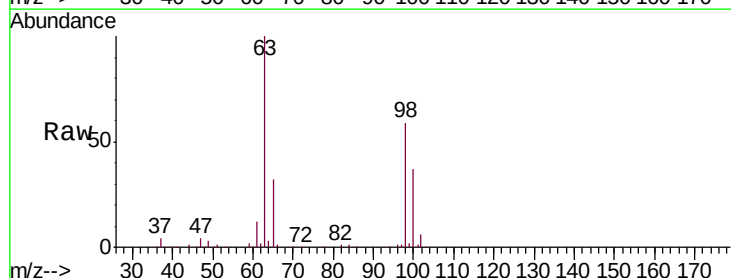
Tgt Ion: 96 Resp: 1133

Ion Ratio Lower Upper

96 100

61 1549.0 126.1 234.1#

63 12906.1 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

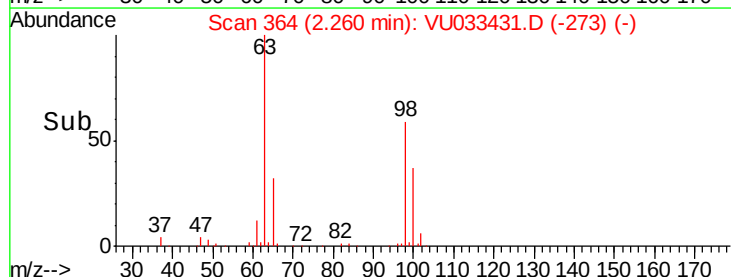
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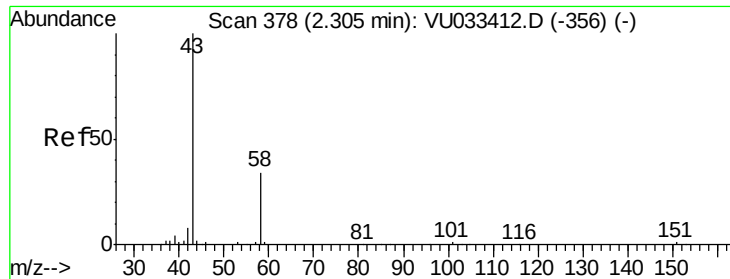
50000

0

2.22 2.24 2.26 2.28

Time-->





#13

Acetone

Concen: 1.412 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

Instrument :

MSVOA_U

ClientSampled :

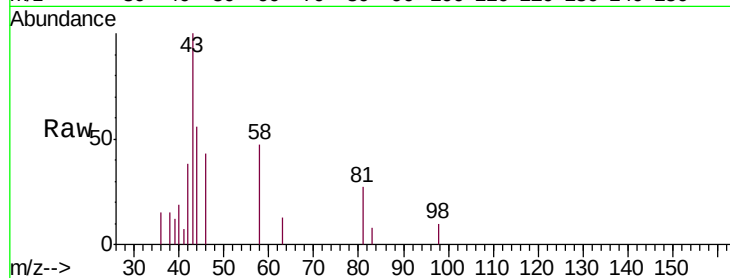
C0CB9

Tgt Ion: 43 Resp: 2320

Ion Ratio Lower Upper

43 100

58 37.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033431.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU033431.D (-285) (-)

2.31

1500

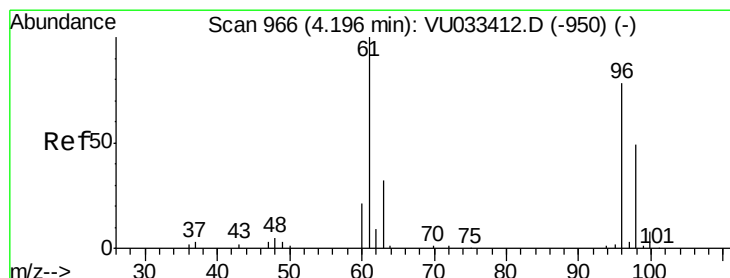
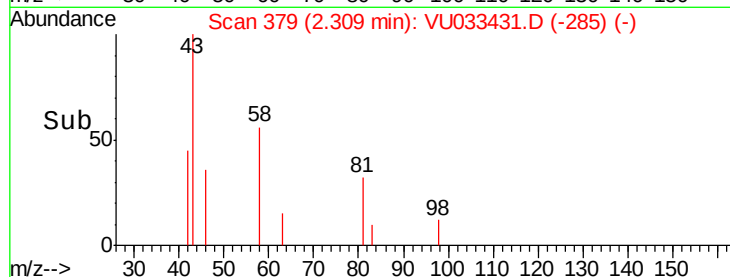
1000

500

0

2.25 2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.092 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

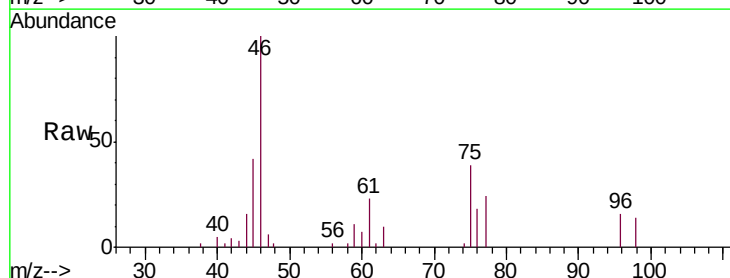
Tgt Ion: 96 Resp: 2329

Ion Ratio Lower Upper

96 100

61 146.9 91.1 169.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033431.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033431.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033431.D (-873) (-)

4.20

1500

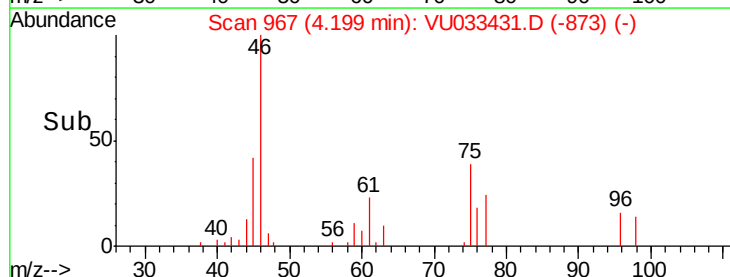
1000

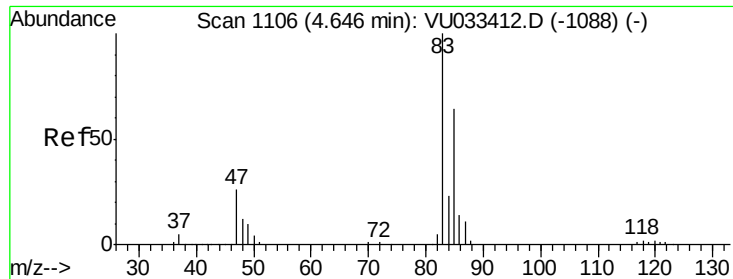
500

0

4.15 4.20 4.25

Time-->

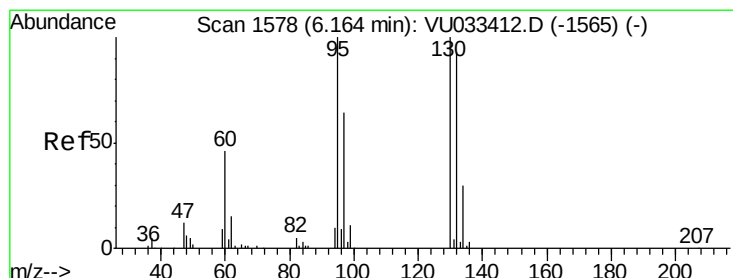
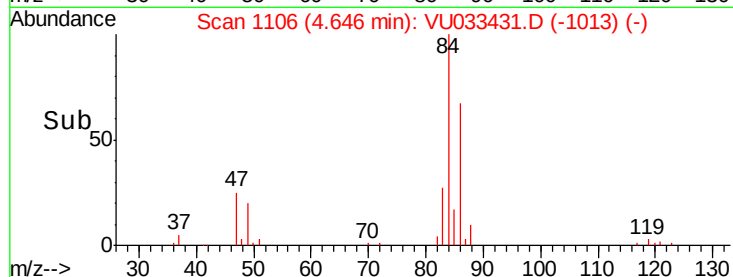
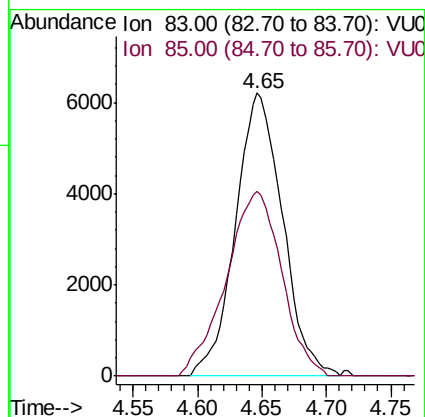
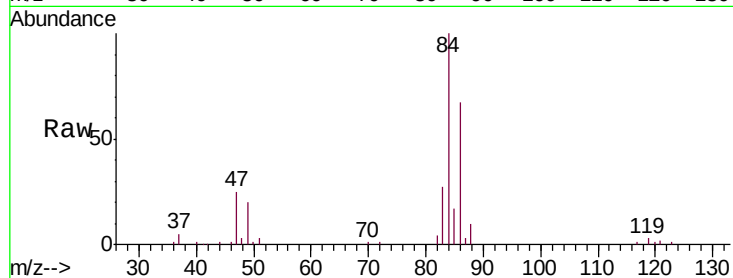




#25
Chloroform
Concen: 4.080 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

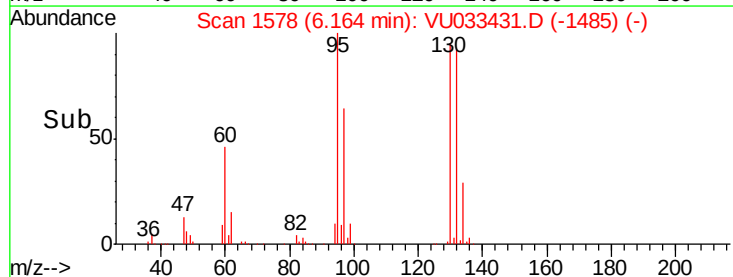
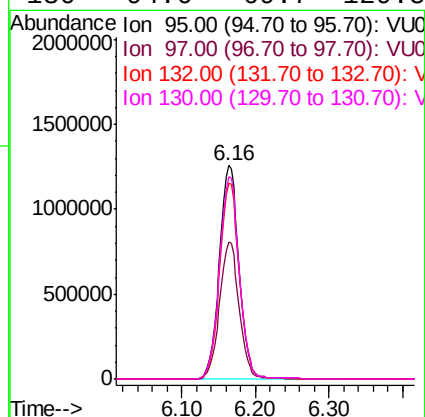
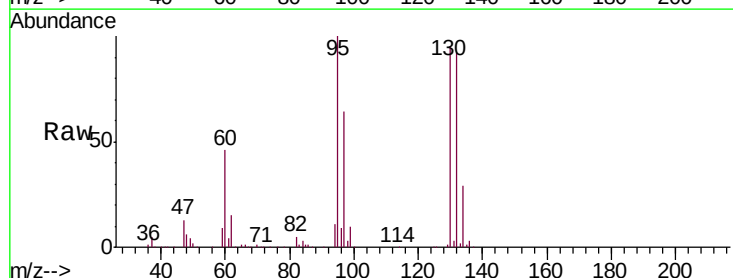
Instrument :
MSVOA_U
ClientSampleId :
C0CB9

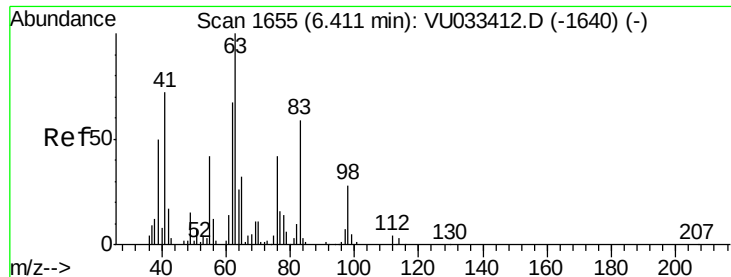
Tgt Ion: 83 Resp: 15772
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#34
Trichloroethene
Concen: 1087.544 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Tgt Ion: 95 Resp: 2331740
Ion Ratio Lower Upper
95 100
97 64.1 43.8 81.4
132 91.7 65.5 121.6
130 94.6 69.7 129.5

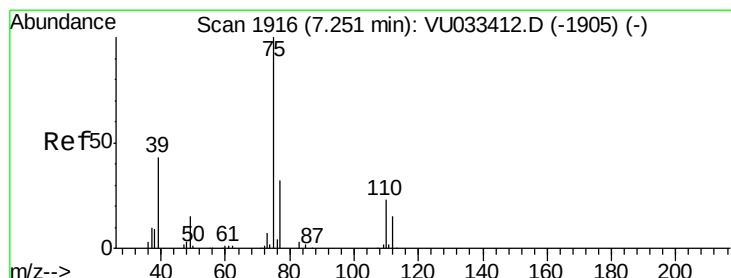
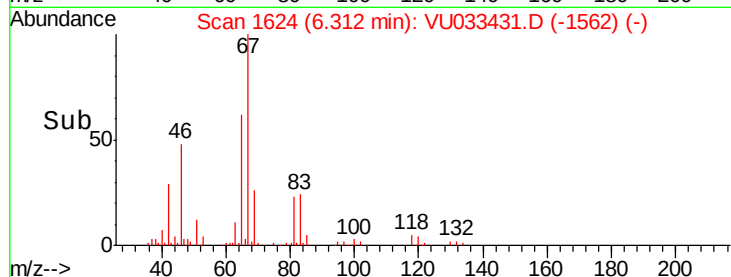
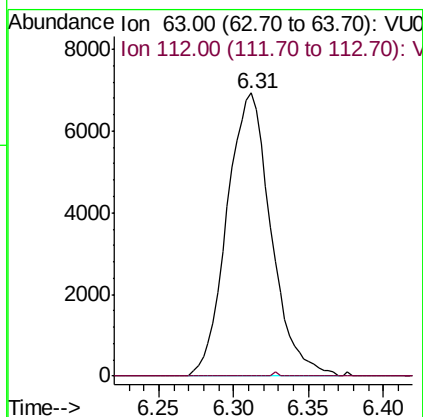
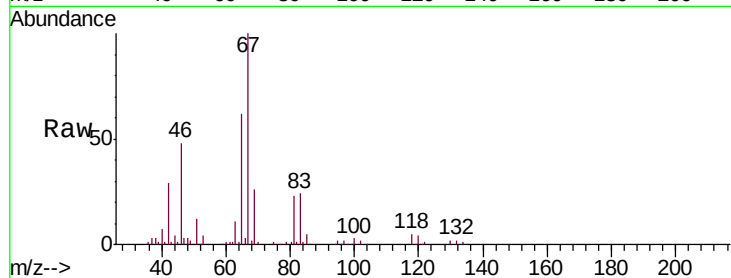




#37
 1,2-Dichloropropane
 Concen: 6.399 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU033431.D
 Acq: 25 Jul 2019 23:46

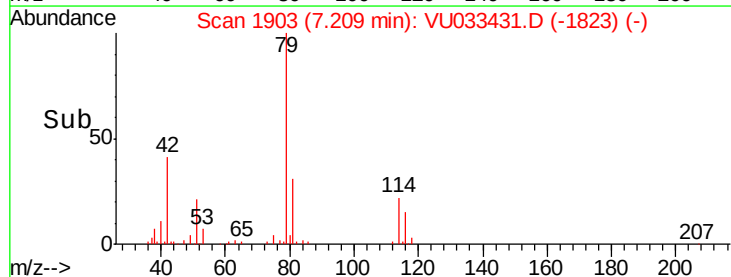
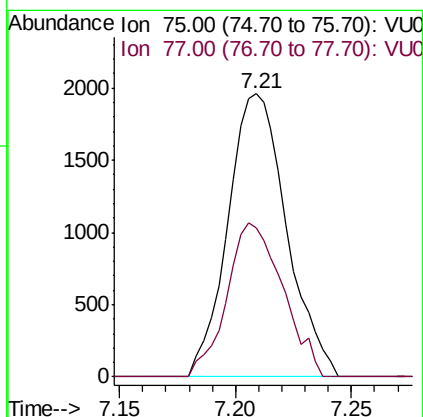
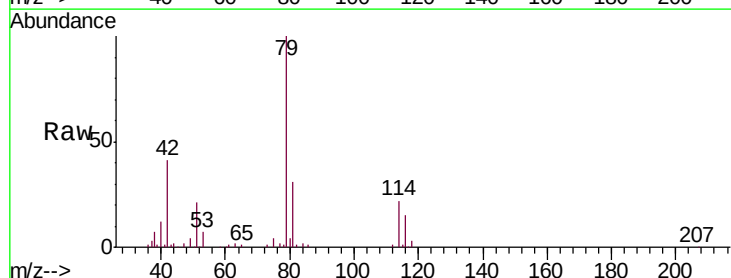
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB9

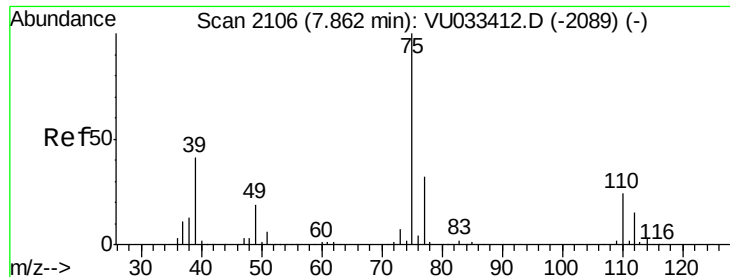
Tgt Ion: 63 Resp: 14228
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.010 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033431.D
 Acq: 25 Jul 2019 23:46

Tgt Ion: 75 Resp: 3442
 Ion Ratio Lower Upper
 75 100
 77 52.8 23.1 42.9#





#44

trans-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

Instrument :

MSVOA_U

ClientSampleId :

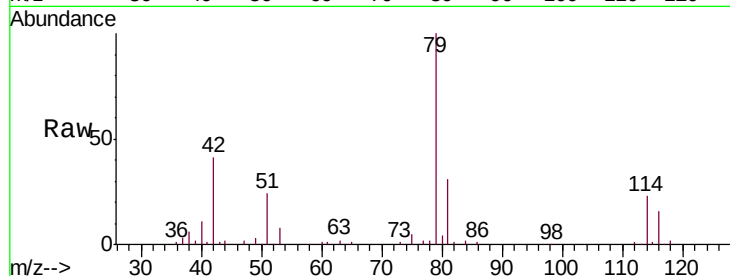
C0CB9

Tgt Ion: 75 Resp: 2581

Ion Ratio Lower Upper

75 100

77 33.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2089) (-)

7.83

1500

1000

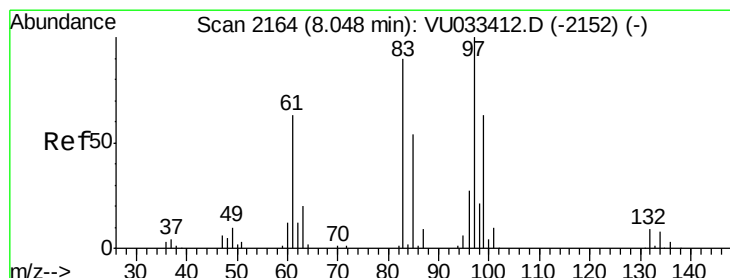
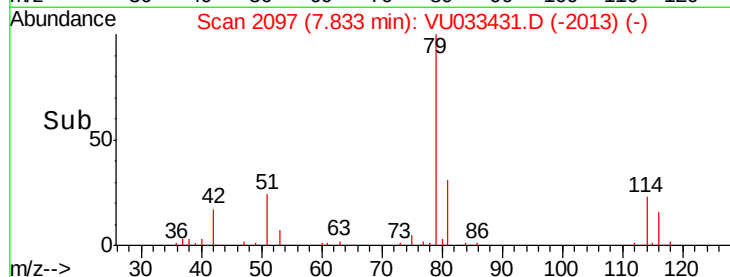
500

0

7.80

7.85

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.606 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

Tgt Ion: 97 Resp: 1274

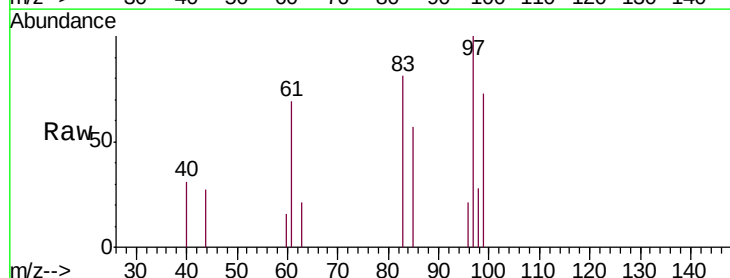
Ion Ratio Lower Upper

97 100

99 73.4 43.0 79.8

83 81.1 61.5 114.3

85 56.6 38.8 72.0



Abundance Ion 97.00 (96.70 to 97.70): VU033412.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033412.D (-2152) (-)

Ion 83.00 (82.70 to 83.70): VU033412.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033412.D (-2152) (-)

8.05

1000

800

600

400

200

0

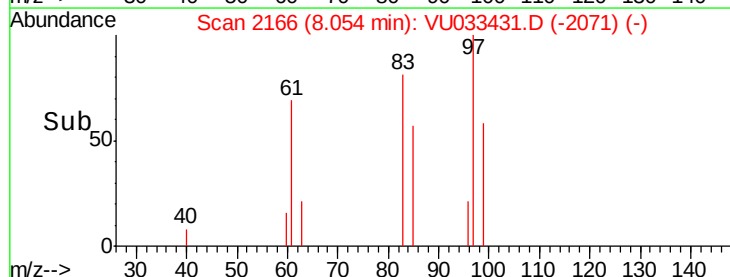
8.02

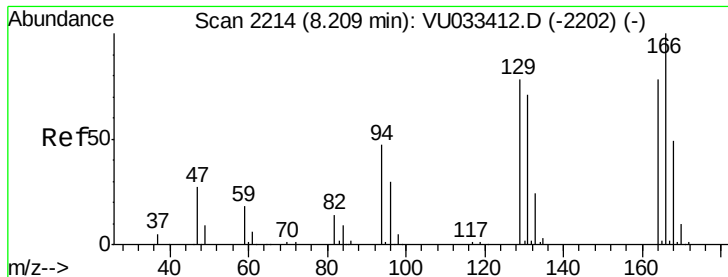
8.04

8.06

8.08

Time-->

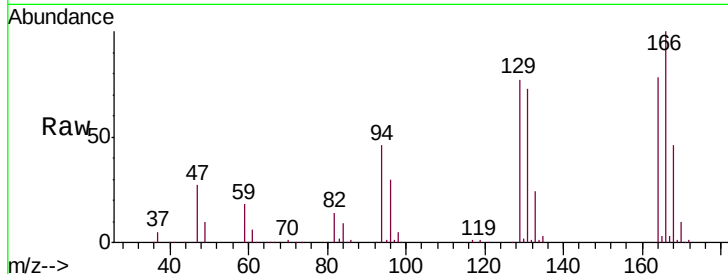




#46
Tetrachloroethene
Concen: 81.137 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Instrument :
MSVOA_U
ClientSampleId :
C0CB9

Tgt Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.6	129.2
131	94.6	65.7	122.1
166	128.9	88.5	164.4



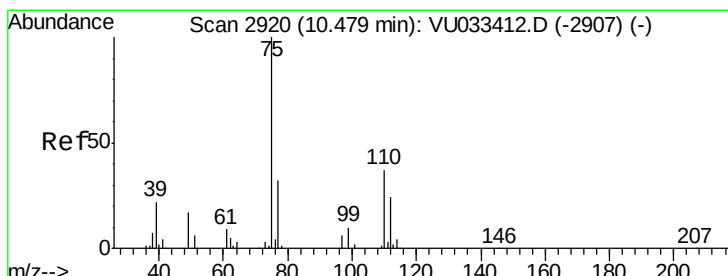
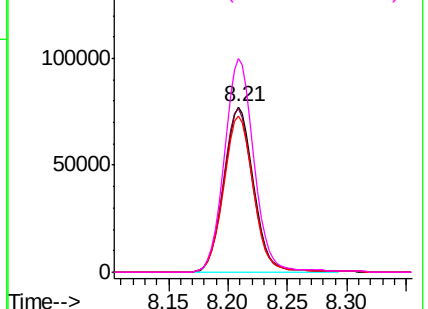
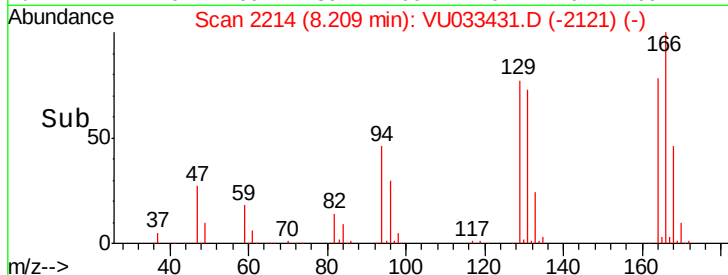
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

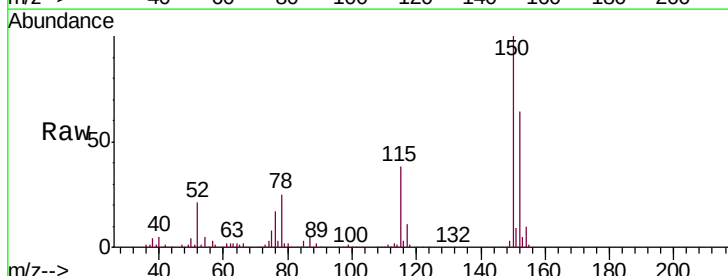
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59
1,2,3-Trichloropropane
Concen: 5.204 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.5	26.0	39.0



Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

