

Data File : VU033241.D
Acq On : 12 Jul 2019 22:45
Operator : JC/SP
Sample : K3785-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XL5

Quant Time: Jul 13 00:14:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	299048	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	298497	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	132724	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117729	52.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.02%
7) Chloroethane-d5	1.67	69	103384	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.92%
11) 1,1-Dichloroethene-d2	2.26	63	156214	38.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.08%
21) 2-Butanone-d5	4.15	46	161804	112.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.80%
24) Chloroform-d	4.62	84	194926	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	5.28	65	131194	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.84%
32) Benzene-d6	5.32	84	399271	54.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.06%
36) 1,2-Dichloropropane-d6	6.31	67	129022	55.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.00%
41) Toluene-d8	7.55	98	357713	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.83	79	59294	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
47) 2-Hexanone-d5	8.29	63	116320	110.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189769	53.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	136420	57.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.28%

Target Compounds

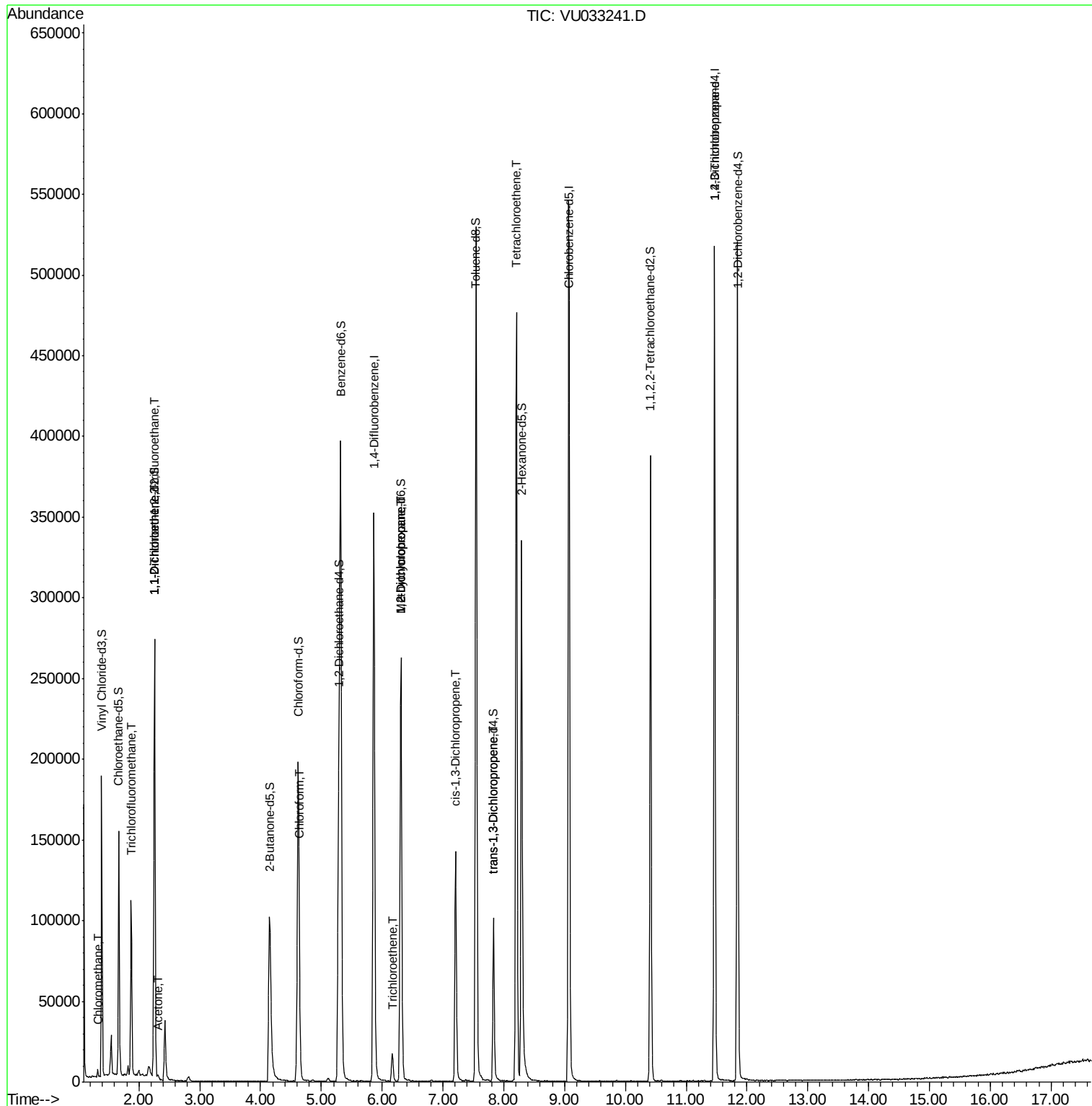
					Qvalue
3) Chloromethane	1.32	50	2720	0.932 ug/L	90
9) Trichlorofluoromethane	1.87	101	62991	14.195 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1285	0.630 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1362	0.682 ug/L #	1
13) Acetone	2.31	43	1740	0.971 ug/L	84
25) Chloroform	4.65	83	4349	1.031 ug/L	84
34) Trichloroethene	6.17	95	5567	2.445 ug/L	91
35) Methylcyclohexane	6.31	83	29831	8.554 ug/L #	20
37) 1,2-Dichloropropane	6.31	63	14068	5.959 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3639	1.005 ug/L	88
44) trans-1,3-Dichloropropene	7.83	75	2668	0.817 ug/L #	80
46) Tetrachloroethene	8.21	164	102655	58.248 ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	17493	5.692 ug/L	97

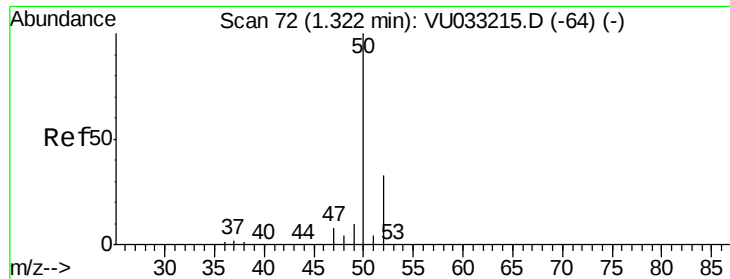
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.932 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033241.D

Acq: 12 Jul 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

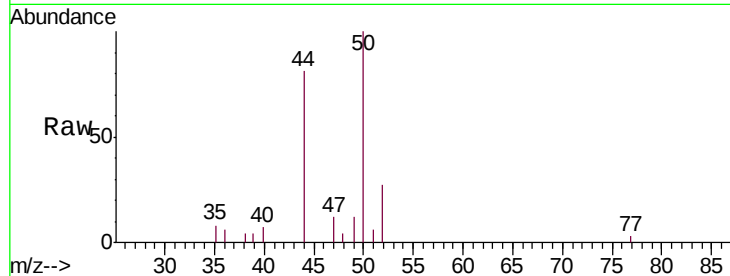
C0XL5

Tgt Ion: 50 Resp: 2720

Ion Ratio Lower Upper

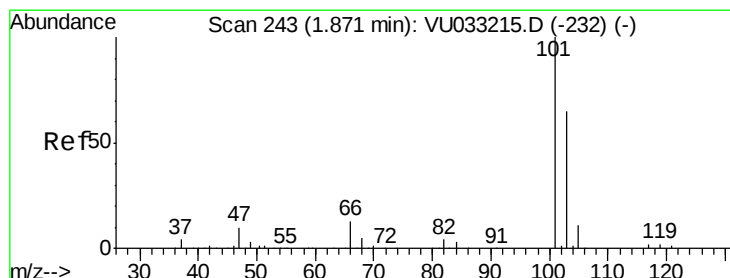
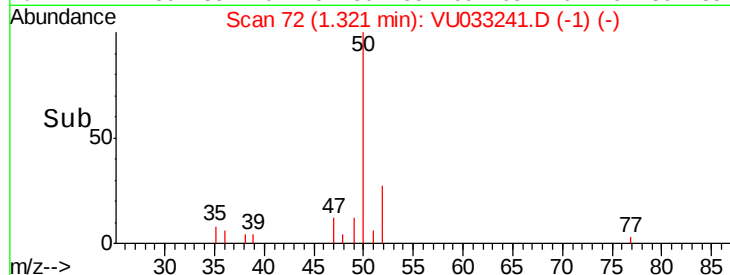
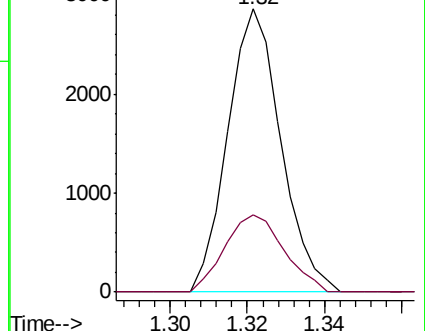
50 100

52 27.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033215.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033215.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 14.195 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033241.D

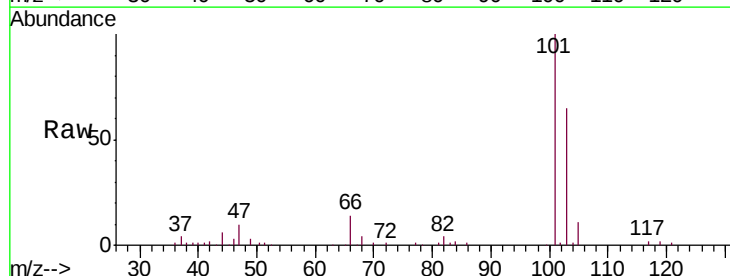
Acq: 12 Jul 2019 22:45

Tgt Ion: 101 Resp: 62991

Ion Ratio Lower Upper

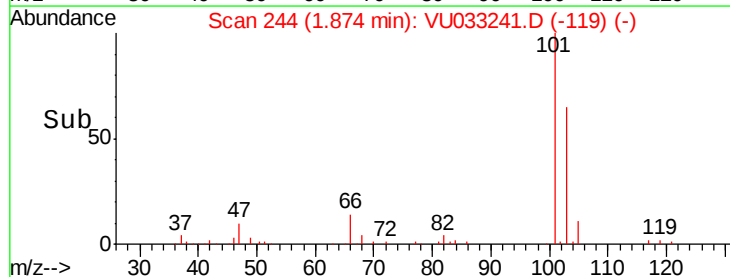
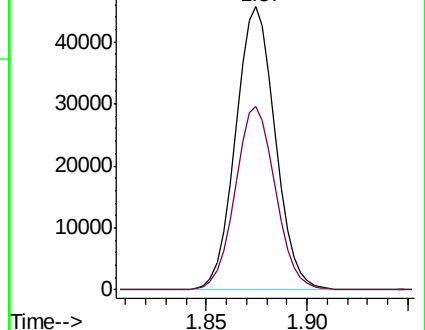
101 100

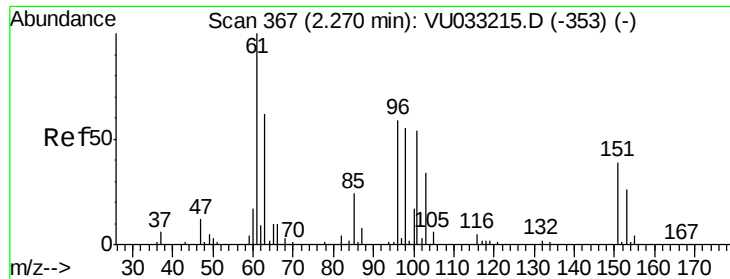
103 65.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033215.D (-232) (-)

Ion 103.00 (102.70 to 103.70): VU033215.D (-232) (-)





#10

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

Concen: 0.630 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033241.D

Acq: 12 Jul 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

C0XL5

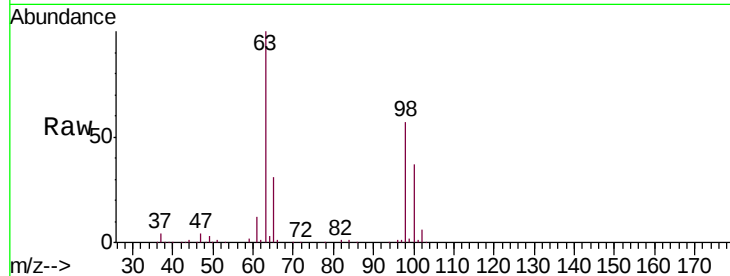
Tgt Ion: 101 Resp: 1285

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

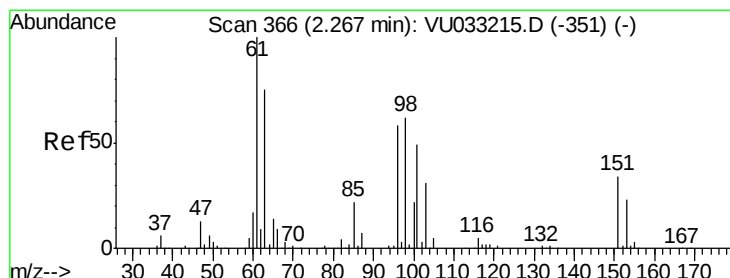
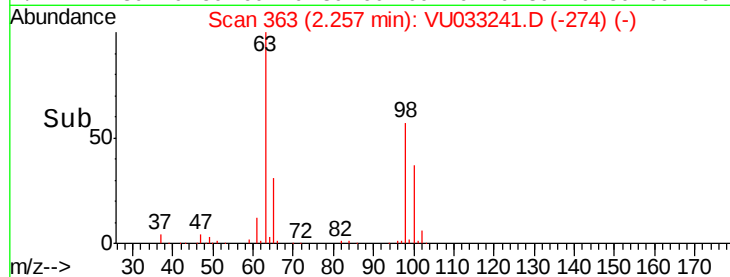
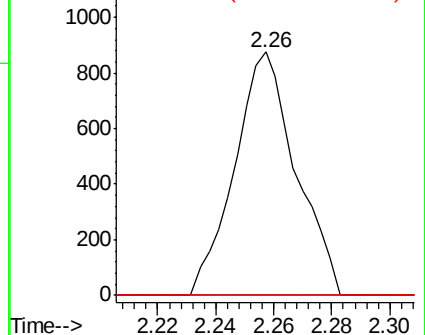
151 0.0 56.7 85.1#



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: 0.682 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033241.D

Acq: 12 Jul 2019 22:45

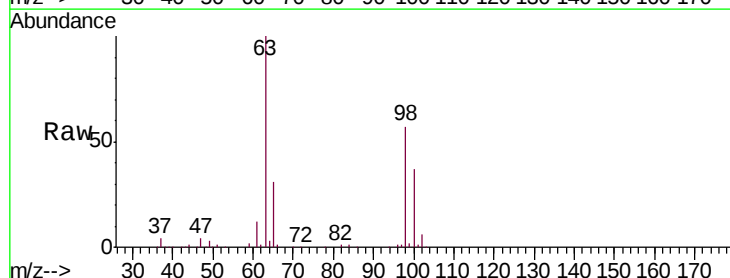
Tgt Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 1307.0 126.1 234.1#

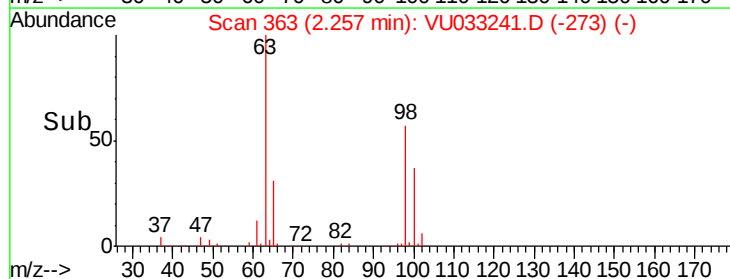
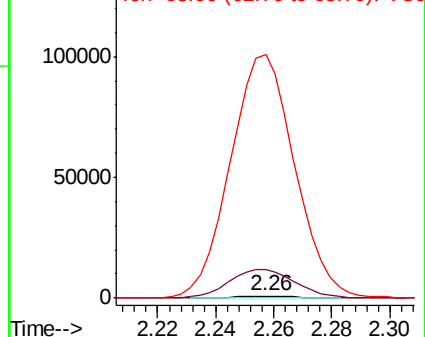
63 10983.9 96.8 179.8#

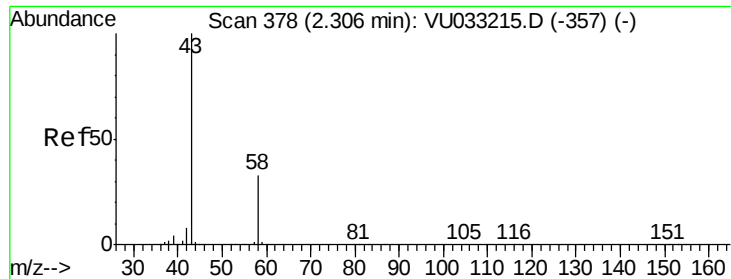


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.971 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033241.D

Acq: 12 Jul 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

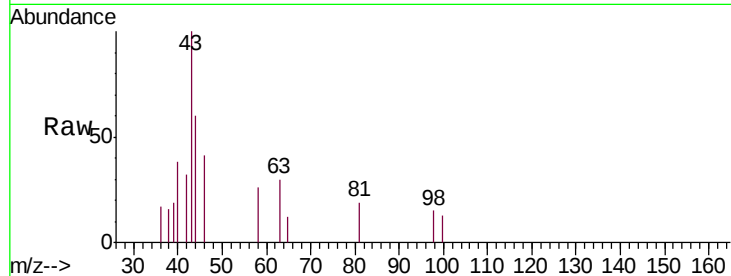
C0XL5

Tgt Ion: 43 Resp: 1740

Ion Ratio Lower Upper

43 100

58 23.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033215.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033215.D (-357) (-)

2.31

800

600

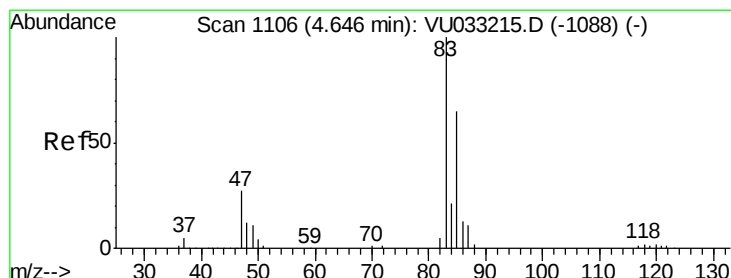
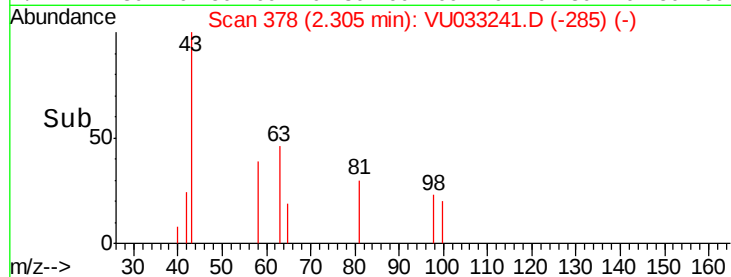
400

200

0

2.30 2.31 2.32 2.33 2.34 2.35

Time-->



#25

Chloroform

Concen: 1.031 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033241.D

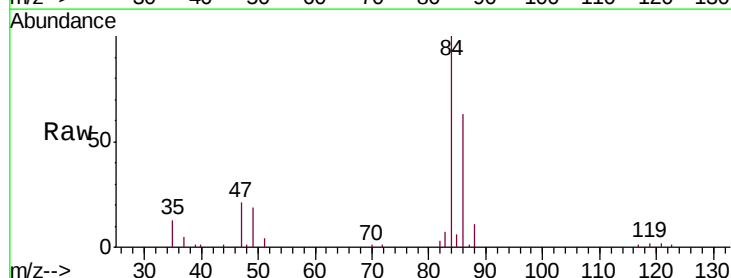
Acq: 12 Jul 2019 22:45

Tgt Ion: 83 Resp: 4349

Ion Ratio Lower Upper

83 100

85 77.3 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033215.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033215.D (-1088) (-)

4.65

2000

1500

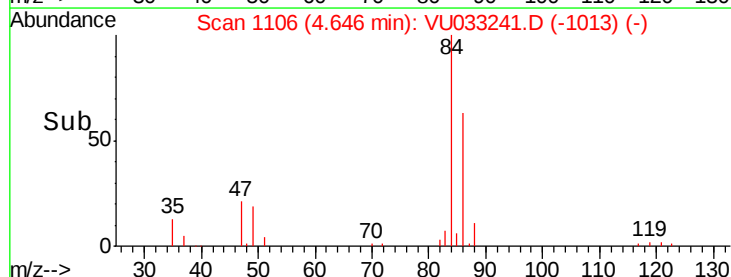
1000

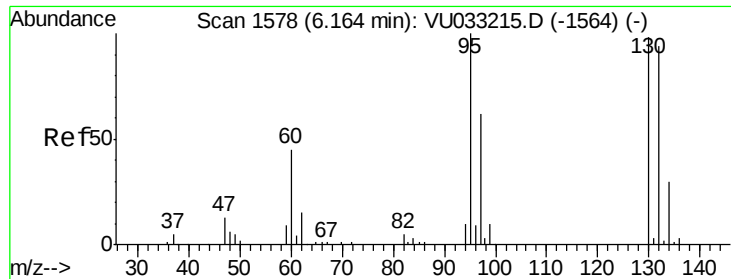
500

0

4.60 4.61 4.62 4.63 4.64 4.65 4.66 4.67 4.68 4.69 4.70

Time-->

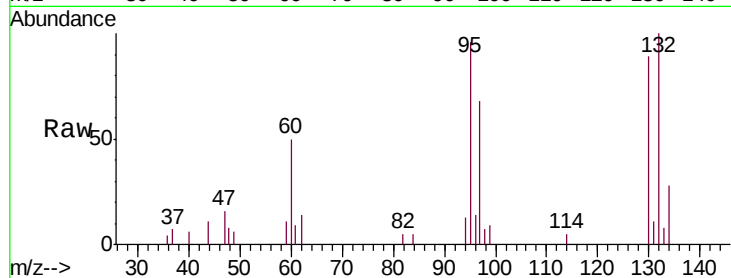




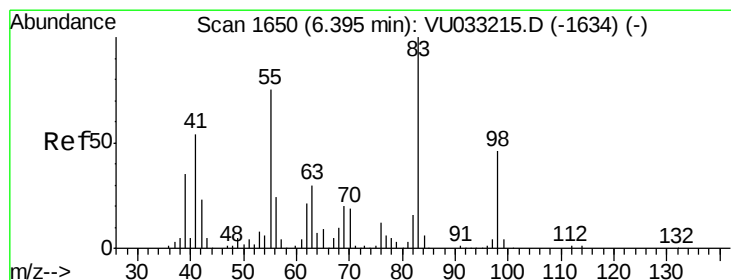
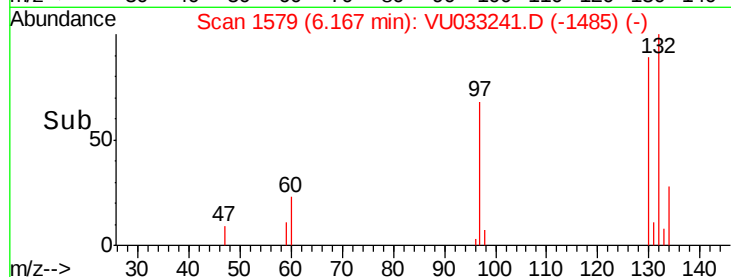
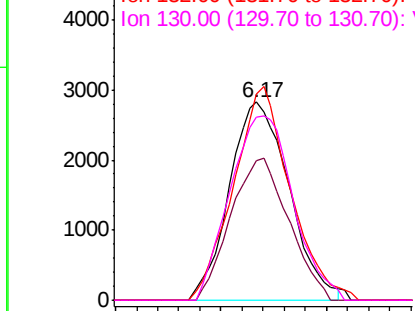
#34
 Trichloroethene
 Concen: 2.445 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033241.D
 Acq: 12 Jul 2019 22:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XL5

Tgt Ion: 95 Resp: 5567
 Ion Ratio Lower Upper
 95 100
 97 70.7 43.8 81.4
 132 104.0 65.5 121.6
 130 92.4 69.7 129.5

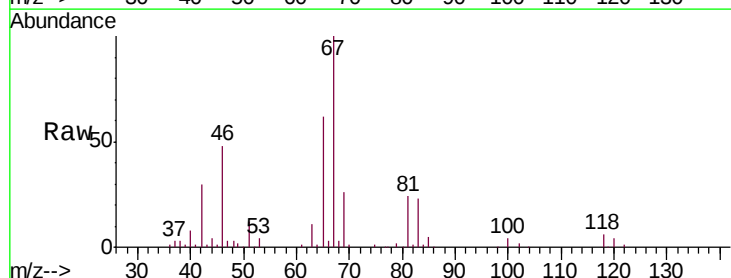


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

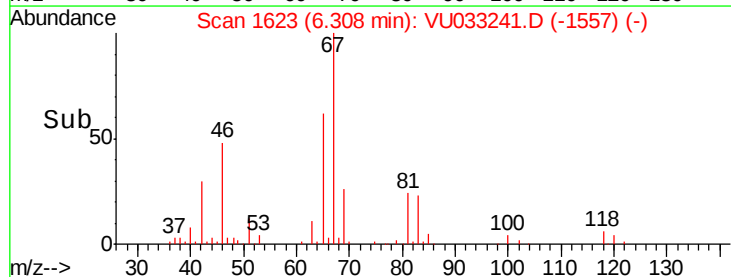
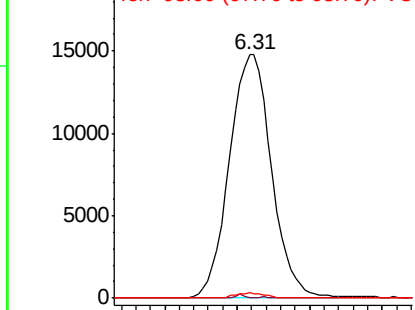


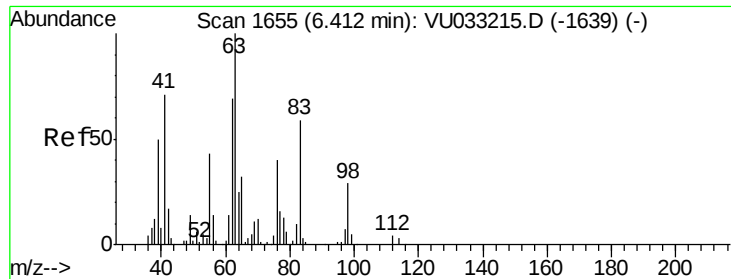
#35
 Methylcyclohexane
 Concen: 8.554 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.09 min
 Lab File: VU033241.D
 Acq: 12 Jul 2019 22:45

Tgt Ion: 83 Resp: 29831
 Ion Ratio Lower Upper
 83 100
 55 0.3 60.5 90.7#
 98 1.4 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.959 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033241.D

Acq: 12 Jul 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

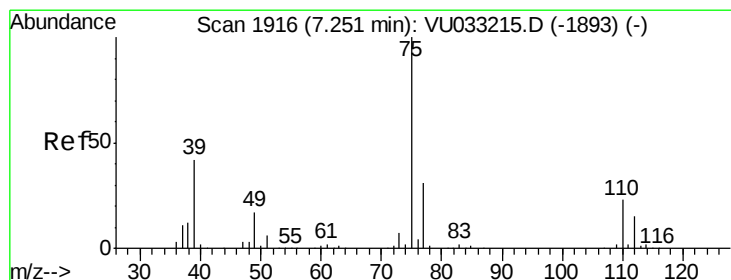
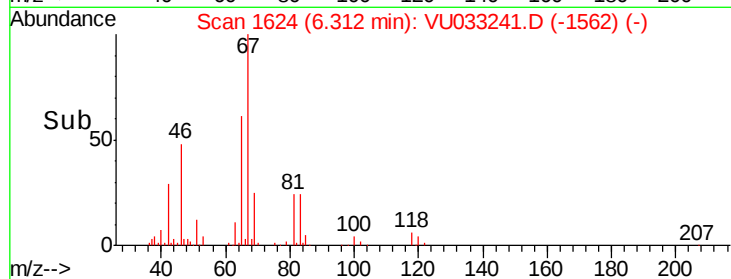
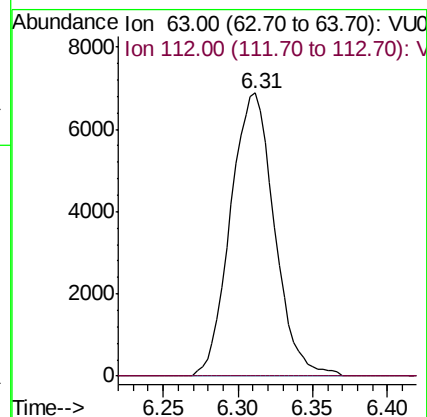
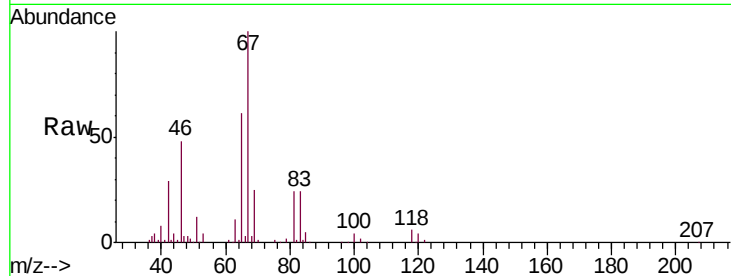
C0XL5

Tgt Ion: 63 Resp: 14068

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.005 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.05 min

Lab File: VU033241.D

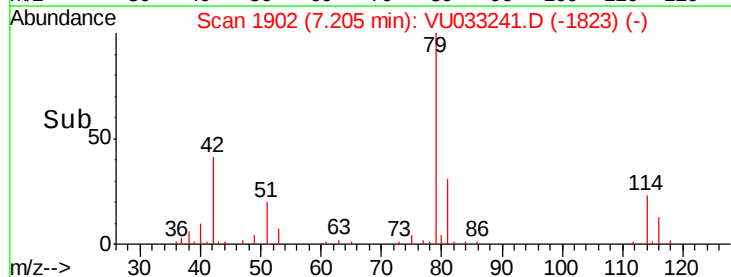
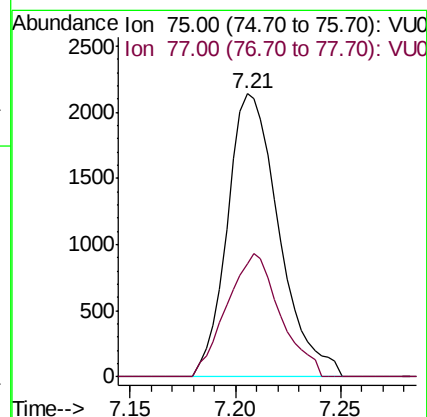
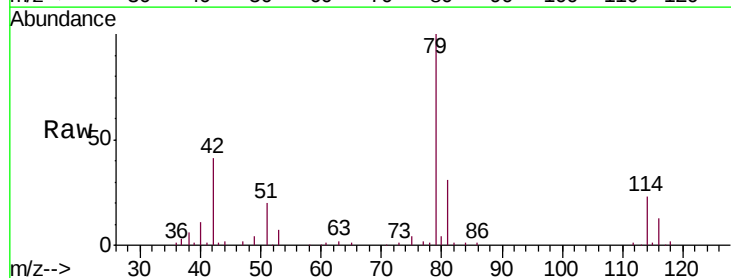
Acq: 12 Jul 2019 22:45

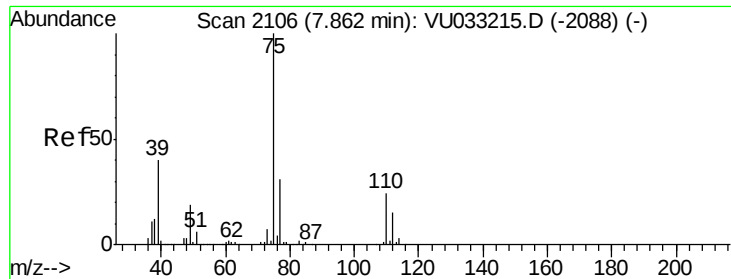
Tgt Ion: 75 Resp: 3639

Ion Ratio Lower Upper

75 100

77 40.0 23.1 42.9

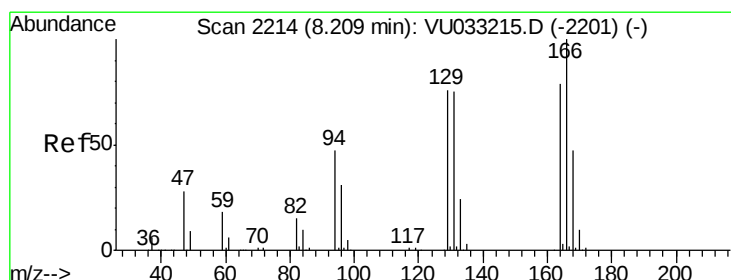
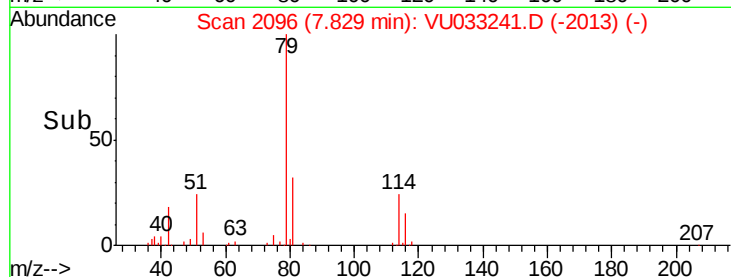
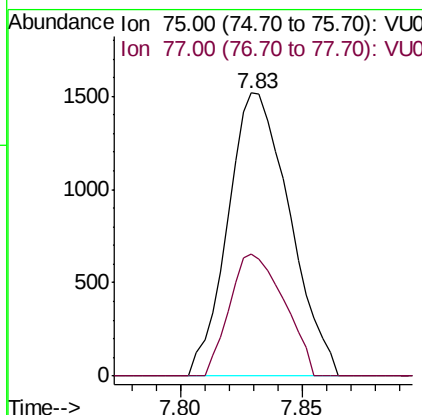
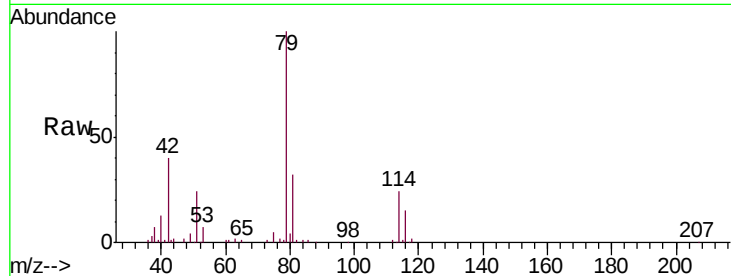




#44
trans-1,3-Dichloropropene
Concen: 0.817 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033241.D
Acq: 12 Jul 2019 22:45

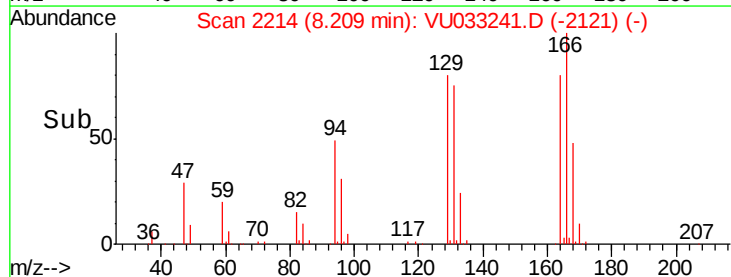
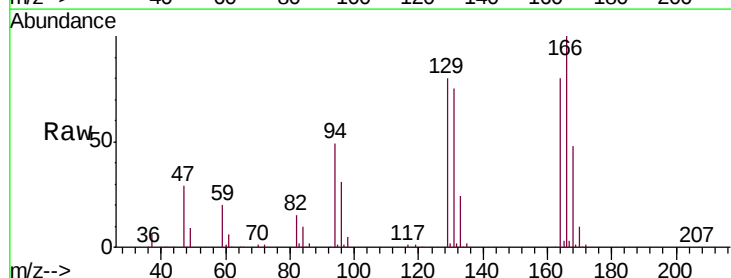
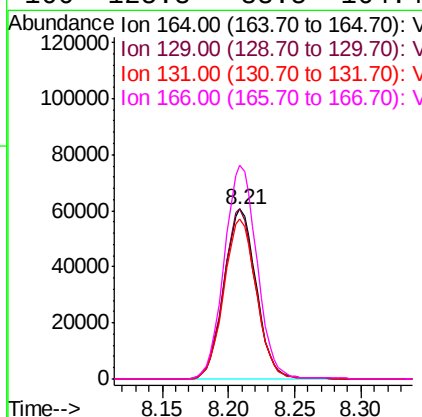
Instrument :
MSVOA_U
ClientSampleId :
C0XL5

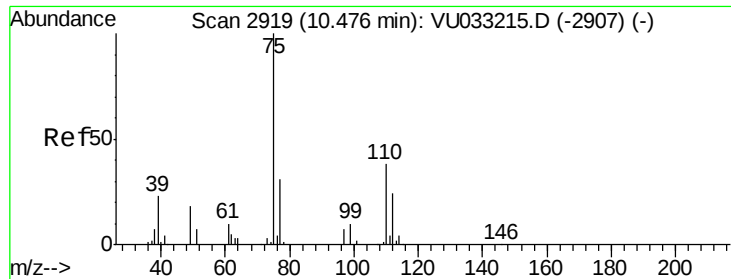
Tgt Ion: 75 Resp: 2668
Ion Ratio Lower Upper
75 100
77 43.0 22.4 41.6#



#46
Tetrachloroethene
Concen: 58.248 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033241.D
Acq: 12 Jul 2019 22:45

Tgt Ion: 164 Resp: 102655
Ion Ratio Lower Upper
164 100
129 100.2 69.6 129.2
131 93.9 65.7 122.1
166 125.8 88.5 164.4





#59

1,2,3-Trichloropropane

Concen: 5.692 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033241.D

Acq: 12 Jul 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

C0XL5

Tgt Ion: 75 Resp: 17493

Ion Ratio Lower Upper

75 100

77 34.2 26.0 39.0

