

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
 Data File : VU027692.D
 Acq On : 18 Oct 2018 12:27
 Operator : MD/SY
 Sample : J5463-07DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB8DL

Quant Time: Oct 19 08:14:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 08:11:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	73645	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	67049	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	31175	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23447	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.68	69	19185	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.28	63	34335	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.21	46	82333	49.48	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.96%
24) Chloroform-d	4.65	84	42201	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.31	65	24048	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.34	84	87692	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.33	67	31465	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.57	98	75359	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.85	79	11575	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.31	63	69776	50.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22725	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	27949	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	85267	11.865 ug/L	100
12) 1,1-Dichloroethene	2.29	96	6487	1.302 ug/L #	46
13) Acetone	2.34	43	1215	1.142 ug/L	96
16) Methylene chloride	2.71	84	9082	1.671 ug/L	97
17) Methyl tert-butyl Ether	3.01	73	2901	0.211 ug/L #	89
18) trans-1,2-Dichloroethene	2.98	96	686	0.129 ug/L	83
19) 1,1-Dichloroethane	3.45	63	6886	0.653 ug/L	91
22) cis-1,2-Dichloroethene	4.23	96	62379	10.637 ug/L #	93
25) Chloroform	4.67	83	698	0.069 ug/L	96
34) Trichloroethene	6.19	95	2247	0.396 ug/L	91
35) Methylcyclohexane	6.33	83	6913	0.706 ug/L #	16
37) 1,2-Dichloropropane	6.33	63	3114	0.494 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	631	0.069 ug/L #	37
48) 2-Hexanone	8.38	43	1069	0.351 ug/L #	47
59) 1,2,3-Trichloropropane	11.48	75	3999	1.104 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	937	0.090 ug/L	84
65) 1,2-Dichlorobenzene	11.88	146	5777	0.581 ug/L	95

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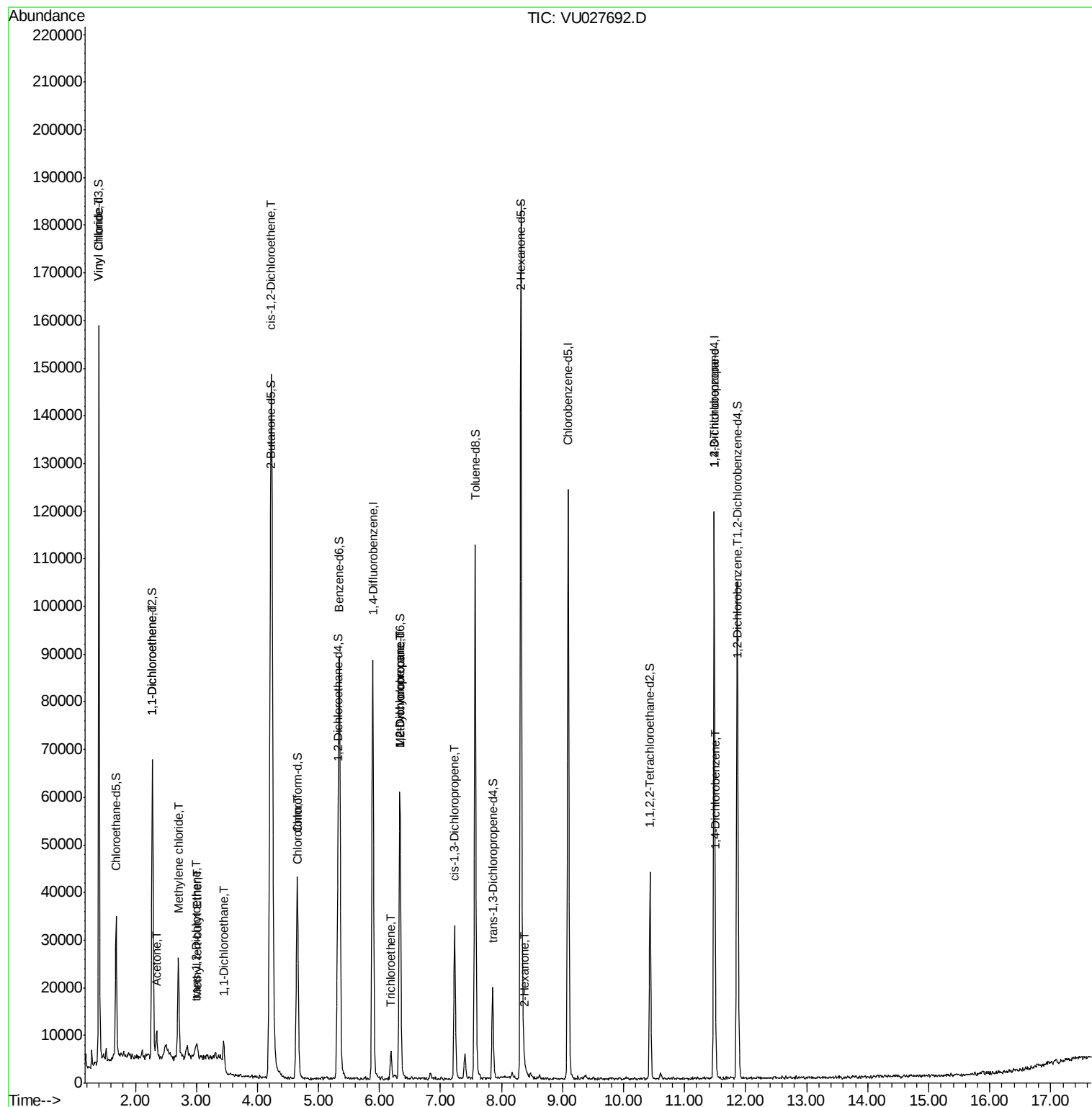
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

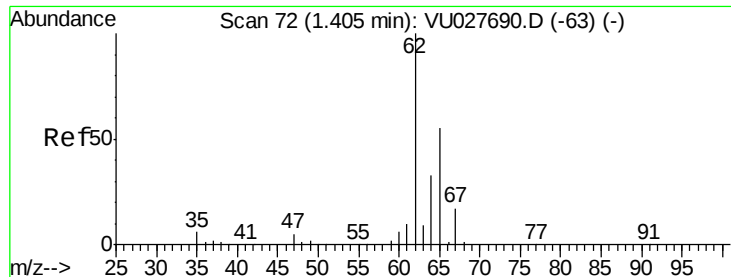
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 11.865 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

Instrument :

MSVOA_U

ClientSampleId :

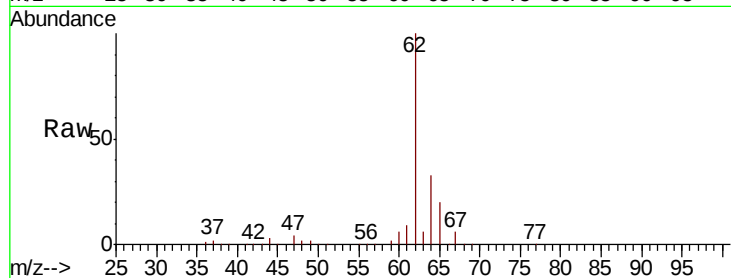
C0JB8DL

Tgt Ion: 62 Resp: 85267

Ion Ratio Lower Upper

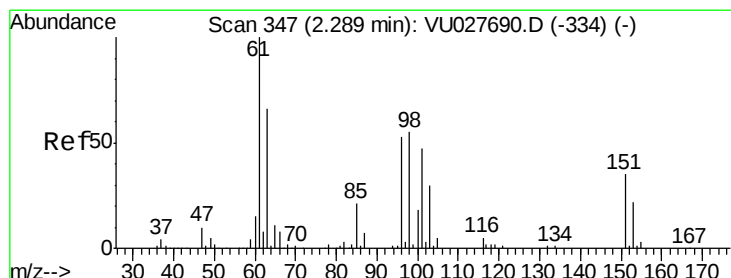
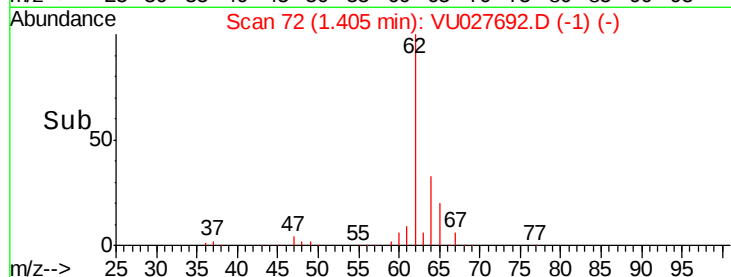
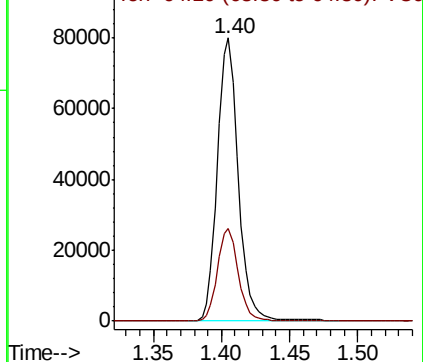
62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 1.302 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

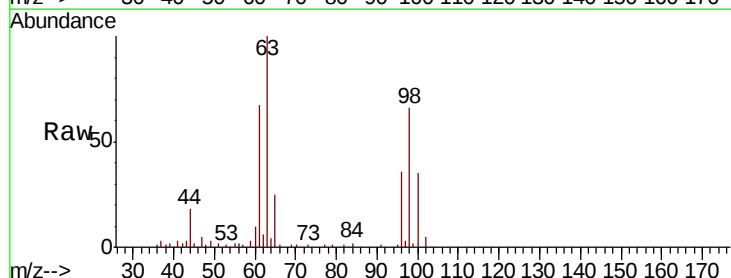
Tgt Ion: 96 Resp: 6487

Ion Ratio Lower Upper

96 100

61 186.8 125.6 233.2

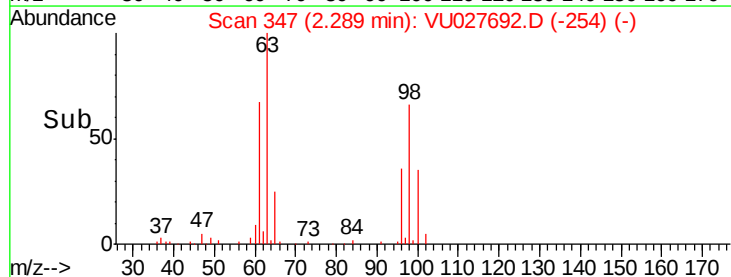
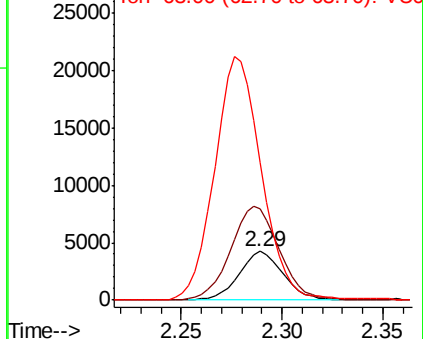
63 280.8 97.6 181.2#

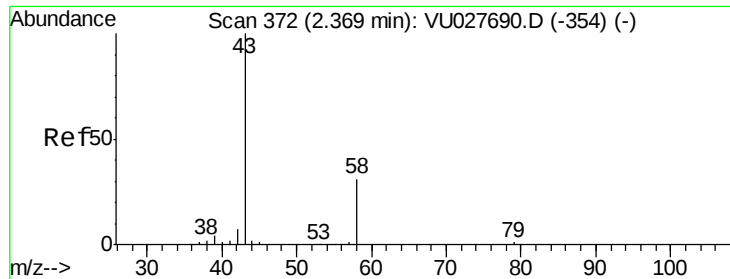


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.142 ug/L

RT: 2.34 min Scan# 362

Delta R.T. -0.03 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

Instrument :

MSVOA_U

ClientSampleId :

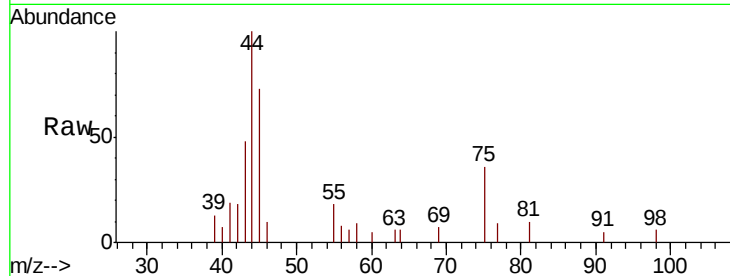
C0JB8DL

Tgt Ion: 43 Resp: 1215

Ion Ratio Lower Upper

43 100

58 35.7 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1200

1000

800

600

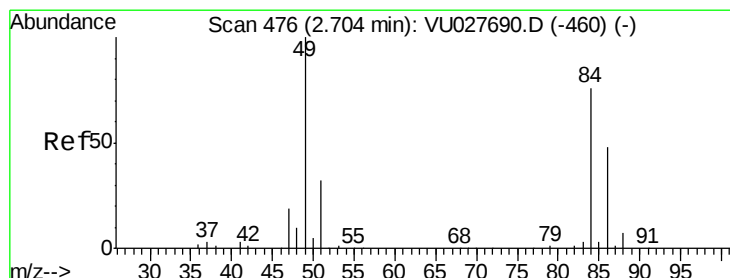
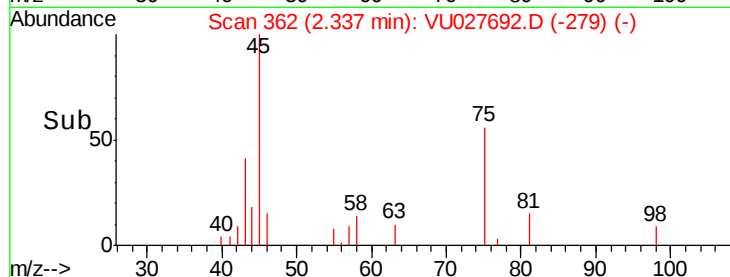
400

200

0

2.30 2.34 2.40

Time-->



#16

Methylene chloride

Concen: 1.671 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

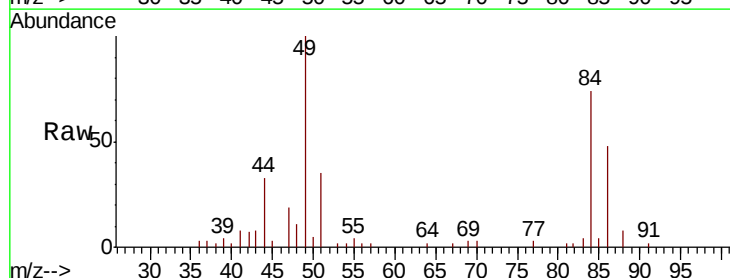
Tgt Ion: 84 Resp: 9082

Ion Ratio Lower Upper

84 100

86 64.5 46.1 85.7

49 134.3 96.9 179.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

8000

6000

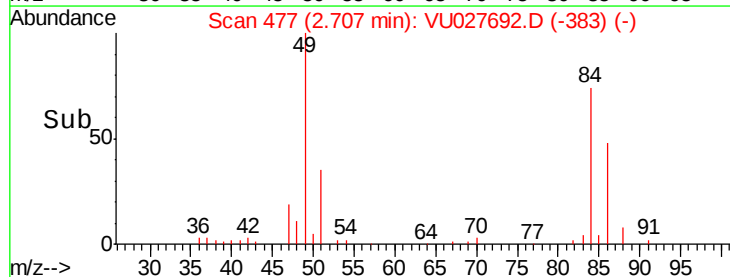
4000

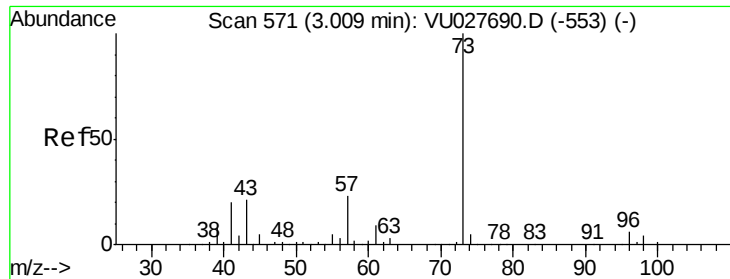
2000

0

2.65 2.70 2.75 2.80

Time-->





#17

Methyl tert-butyl Ether

Concen: 0.211 ug/L

RT: 3.01 min Scan# 572

Delta R.T. 0.00 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

Instrument :

MSVOA_U

ClientSampleId :

C0JB8DL

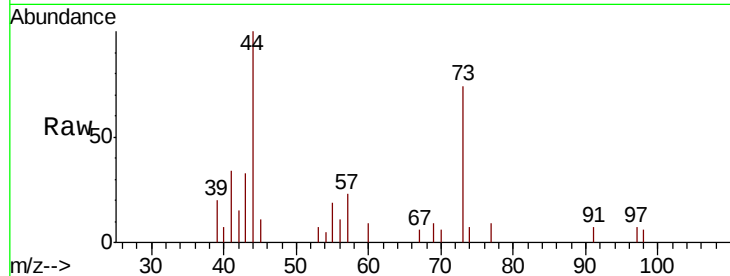
Tgt Ion: 73 Resp: 2901

Ion Ratio Lower Upper

73 100

43 11.3 15.8 23.8#

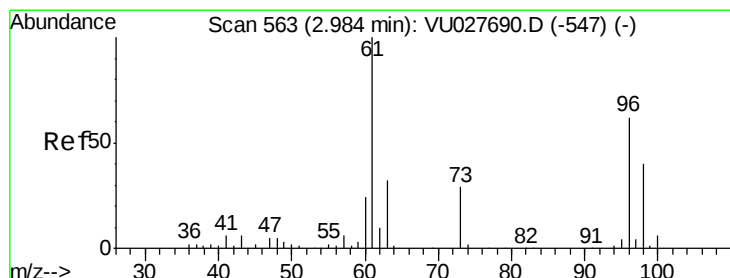
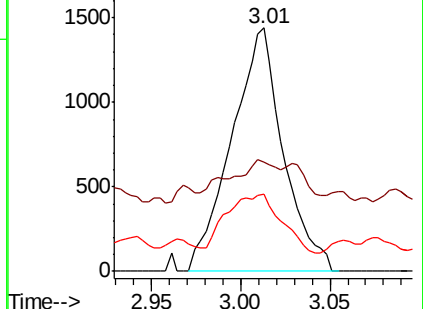
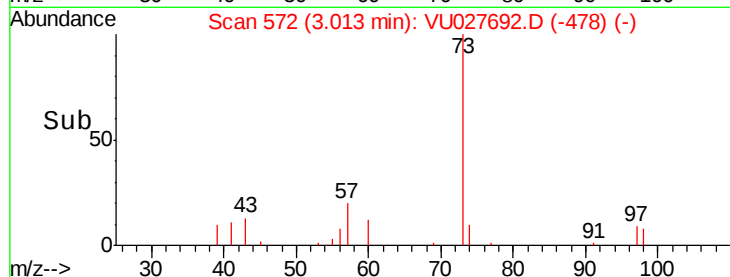
57 25.4 18.7 28.1



Abundance Ion 73.10 (72.80 to 73.80): VU027692.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU027692.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU027692.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.129 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

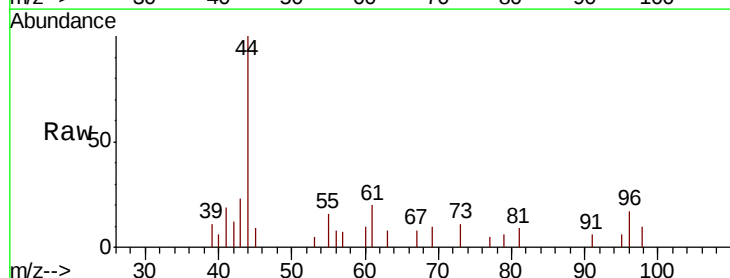
Tgt Ion: 96 Resp: 686

Ion Ratio Lower Upper

96 100

61 120.4 105.8 196.4

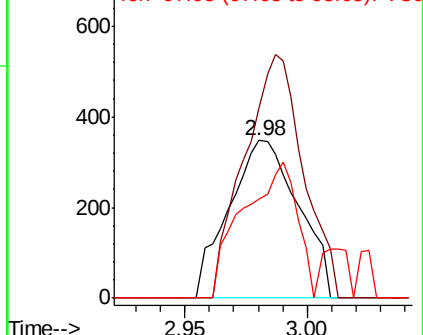
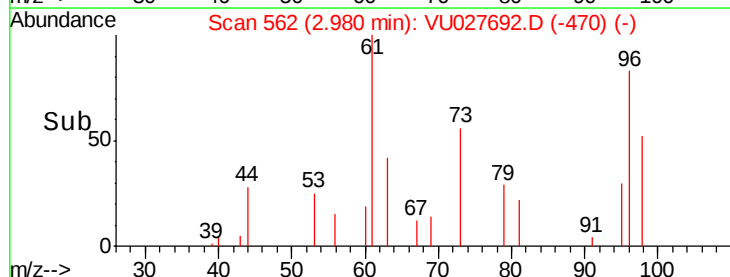
98 62.6 43.6 81.0

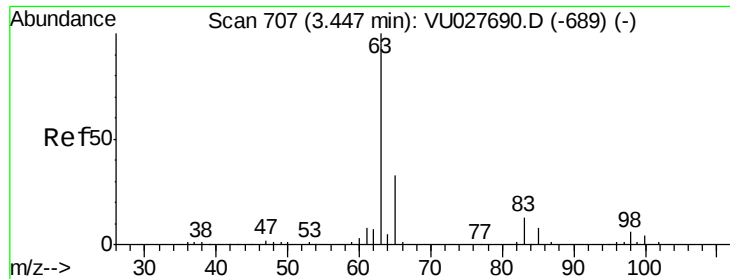


Abundance Ion 96.00 (95.70 to 96.70): VU027692.D (-547) (-)

Ion 61.05 (60.75 to 61.75): VU027692.D (-547) (-)

Ion 97.95 (97.65 to 98.65): VU027692.D (-547) (-)

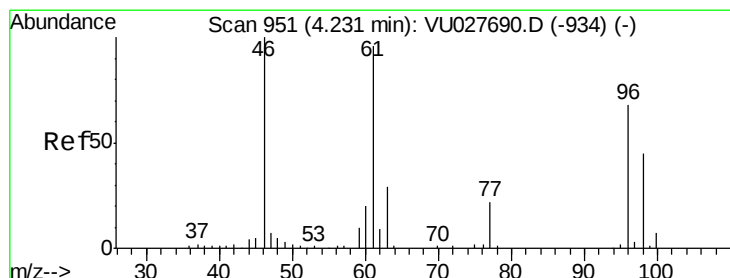
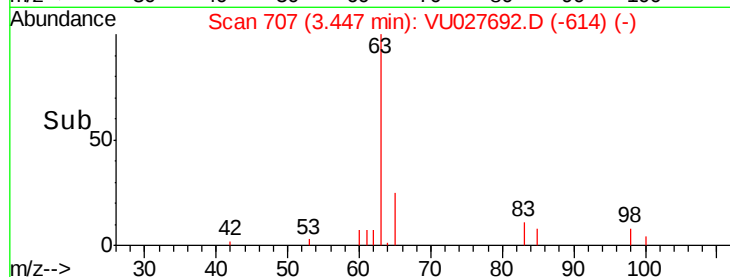
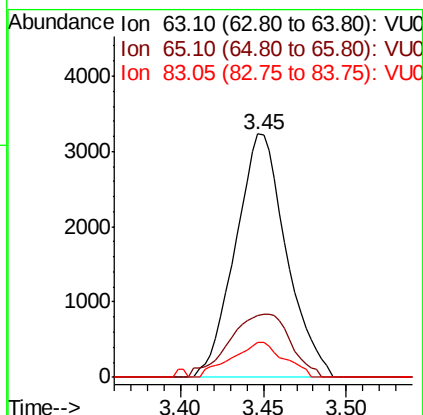
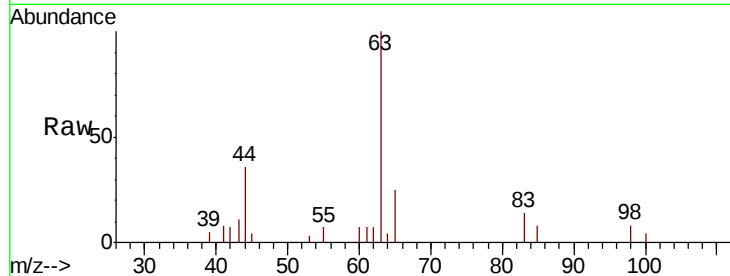




#19
 1,1-Dichloroethane
 Concen: 0.653 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

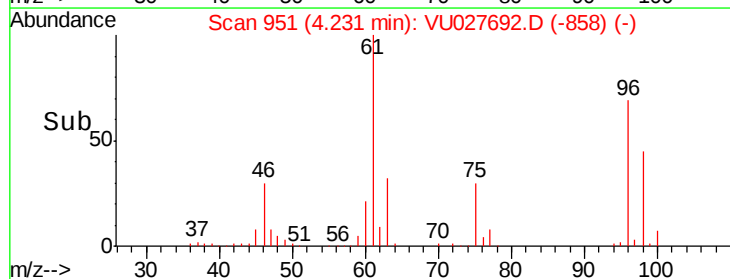
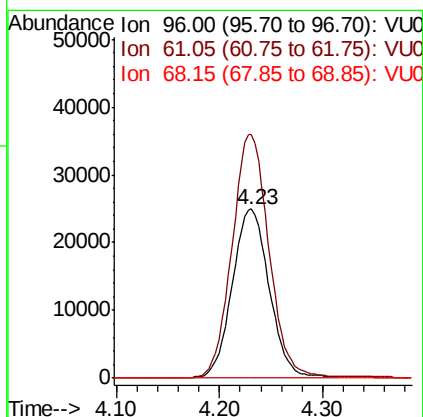
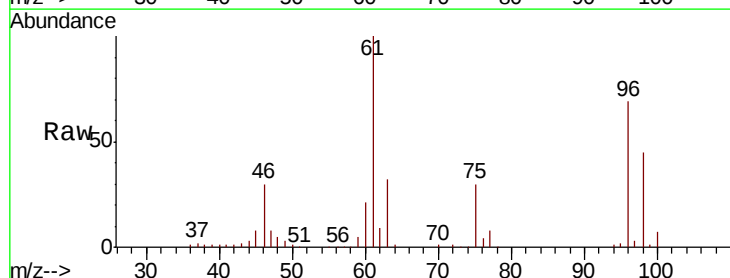
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB8DL

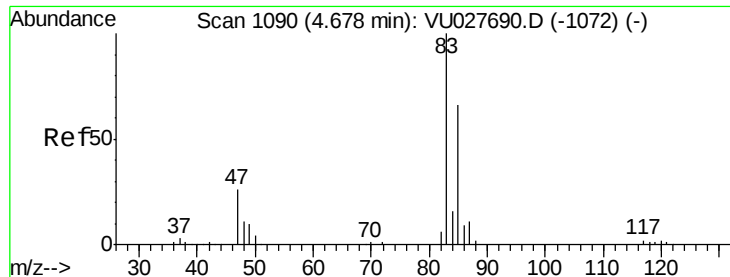
Tgt Ion: 63 Resp: 6886
 Ion Ratio Lower Upper
 63 100
 65 25.2 22.3 41.3
 83 14.4 9.7 17.9



#22
 cis-1,2-Dichloroethene
 Concen: 10.637 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

Tgt Ion: 96 Resp: 62379
 Ion Ratio Lower Upper
 96 100
 61 144.1 95.3 176.9
 68 0.0 1.1 2.1#





#25

Chloroform

Concen: 0.069 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

Instrument :

MSVOA_U

ClientSampleId :

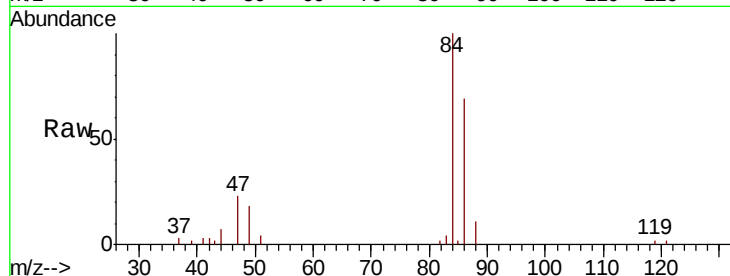
C0JB8DL

Tgt Ion: 83 Resp: 698

Ion Ratio Lower Upper

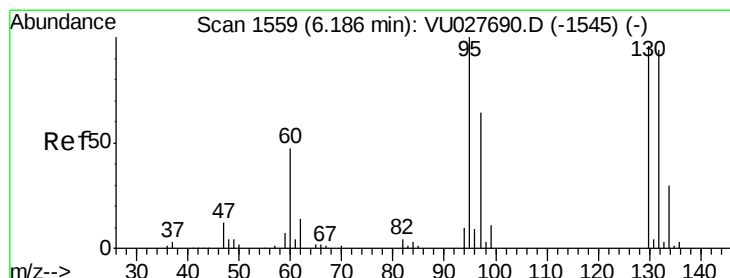
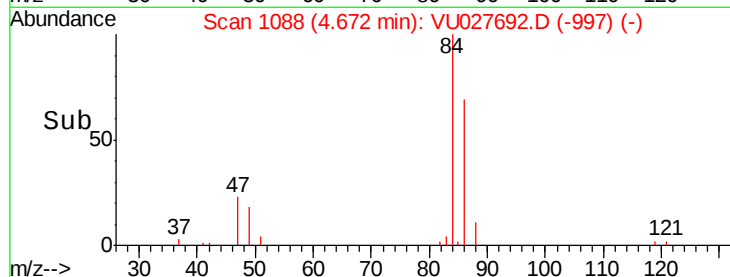
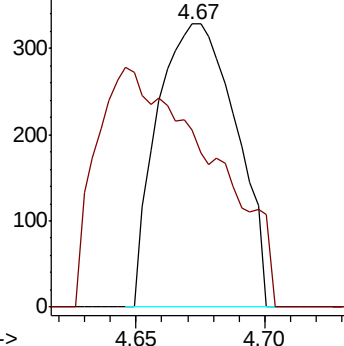
83 100

85 62.8 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#34

Trichloroethene

Concen: 0.396 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027692.D

Acq: 18 Oct 2018 12:27

Tgt Ion: 95 Resp: 2247

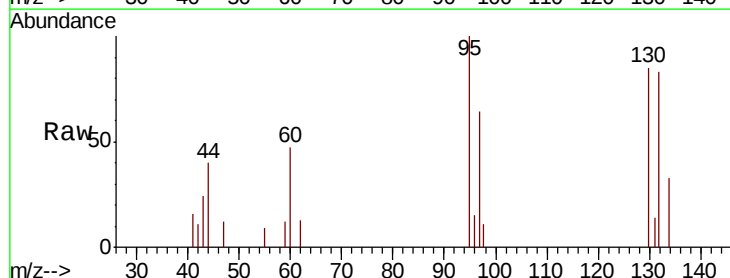
Ion Ratio Lower Upper

95 100

97 64.2 44.7 83.1

132 82.6 65.9 122.5

130 84.5 67.9 126.1

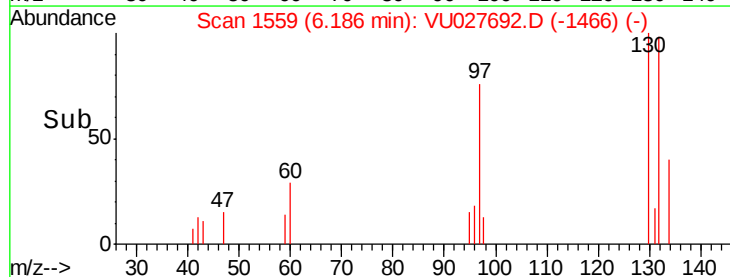
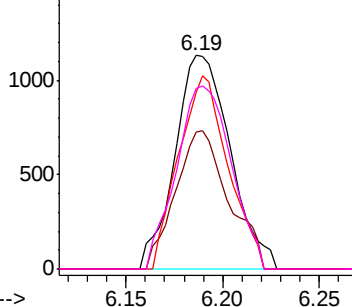


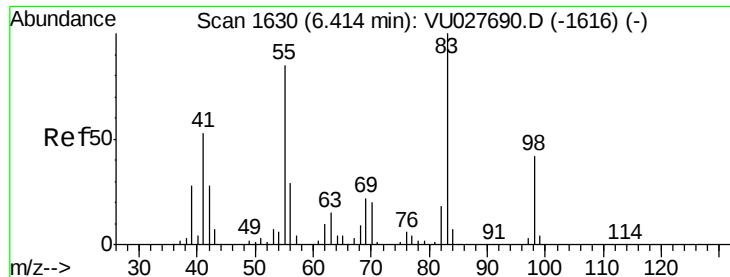
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

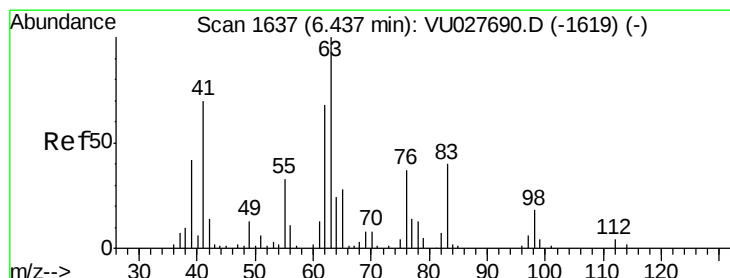
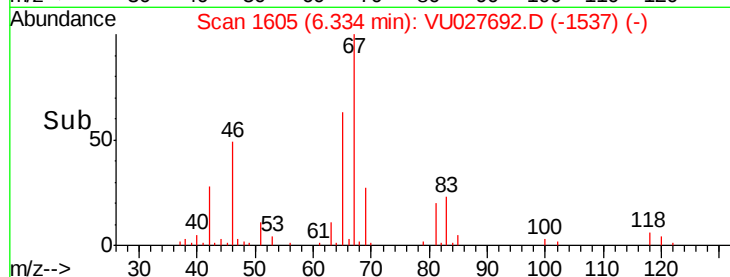
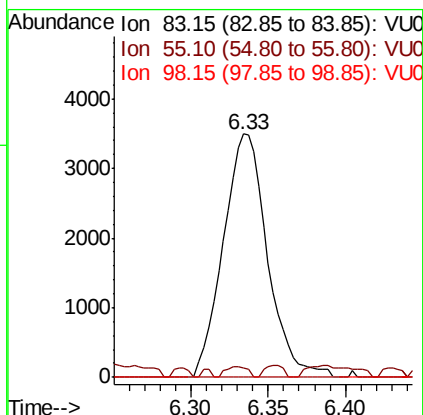
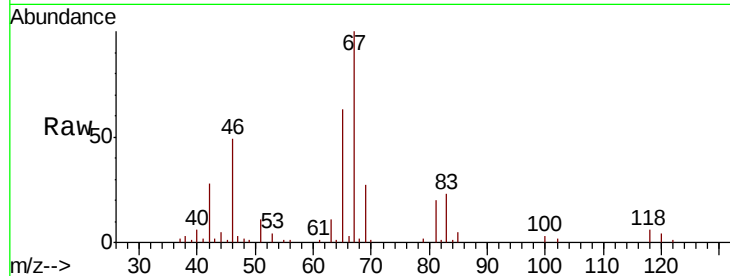




#35
Methylcyclohexane
Concen: 0.706 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU027692.D
Acq: 18 Oct 2018 12:27

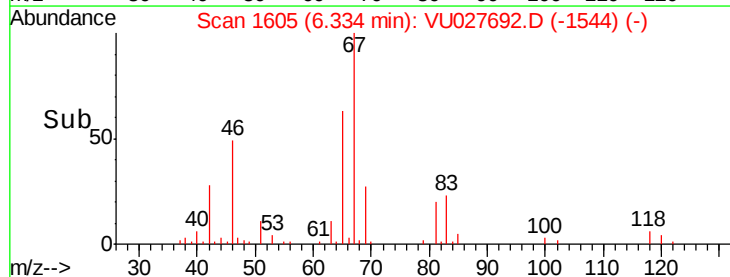
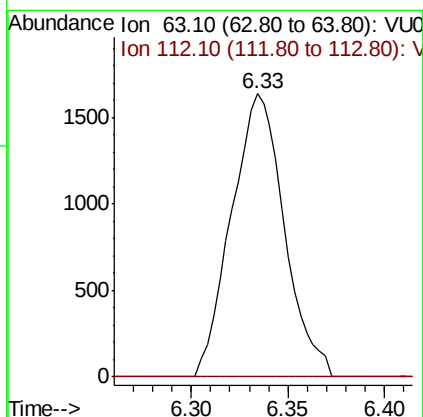
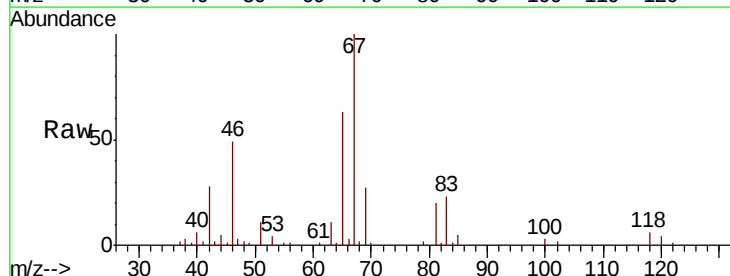
Instrument :
MSVOA_U
ClientSampleId :
C0JB8DL

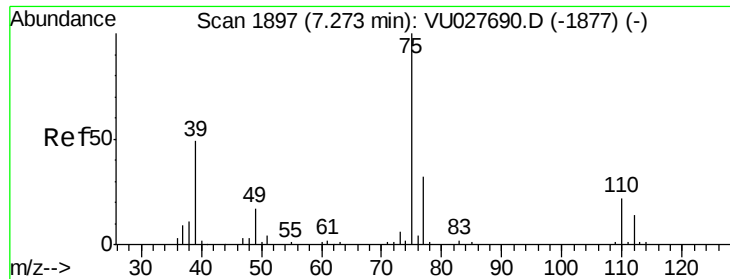
Tgt Ion: 83 Resp: 6913
Ion Ratio Lower Upper
83 100
55 2.2 69.0 103.4#
98 0.0 35.4 53.2#



#37
1,2-Dichloropropane
Concen: 0.494 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU027692.D
Acq: 18 Oct 2018 12:27

Tgt Ion: 63 Resp: 3114
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#

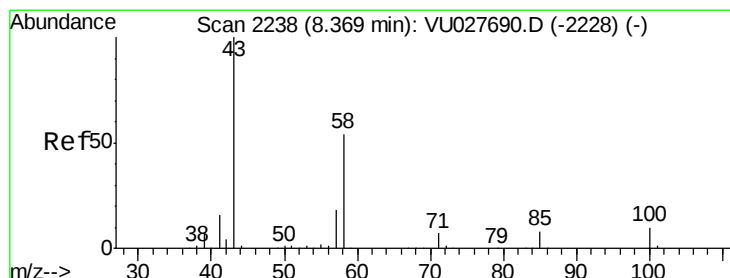
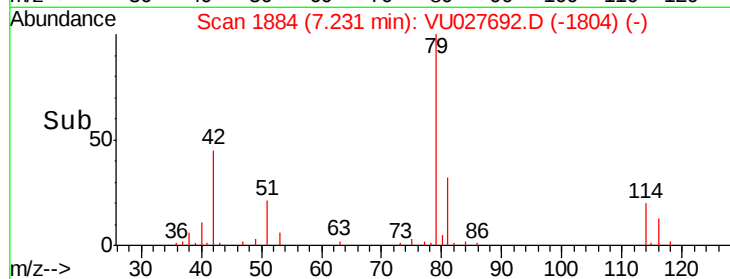
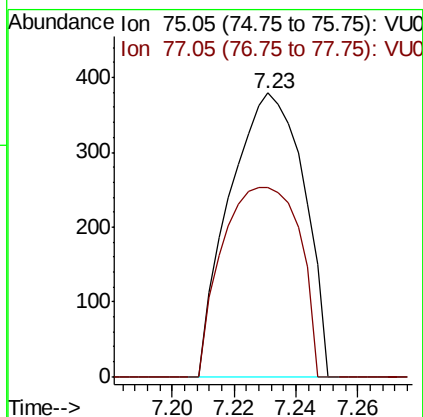
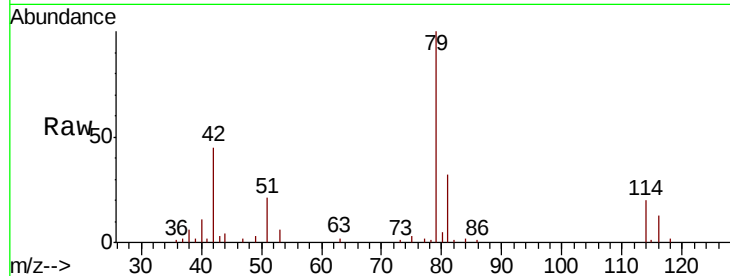




#39
 cis-1,3-Dichloropropene
 Concen: 0.069 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

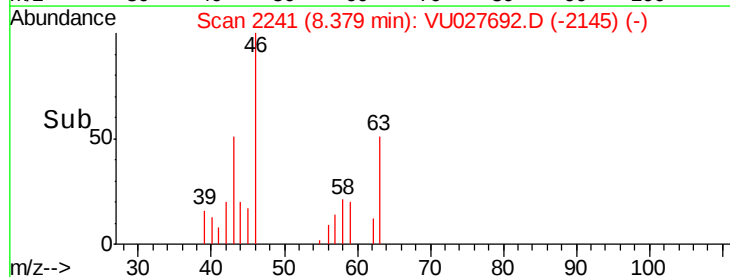
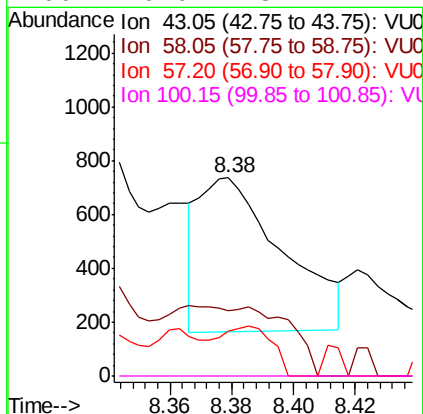
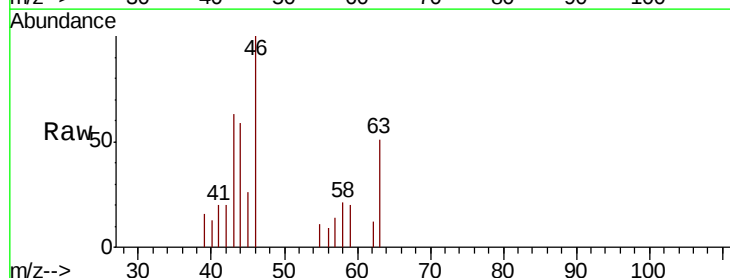
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB8DL

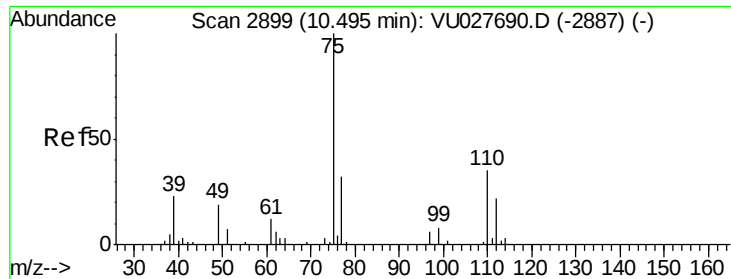
Tgt Ion: 75 Resp: 631
 Ion Ratio Lower Upper
 75 100
 77 66.8 22.2 41.2#



#48
 2-Hexanone
 Concen: 0.351 ug/L
 RT: 8.38 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

Tgt Ion: 43 Resp: 1069
 Ion Ratio Lower Upper
 43 100
 58 0.0 42.7 64.1#
 57 19.7 14.5 21.7
 100 0.0 8.1 12.1#

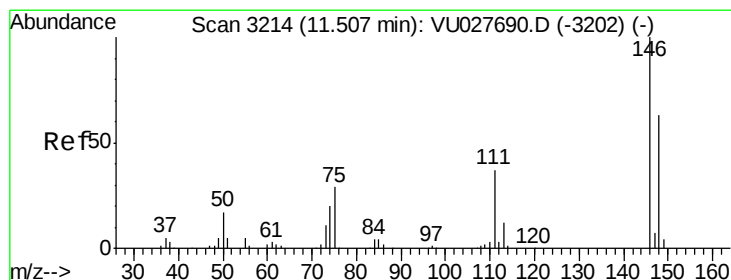
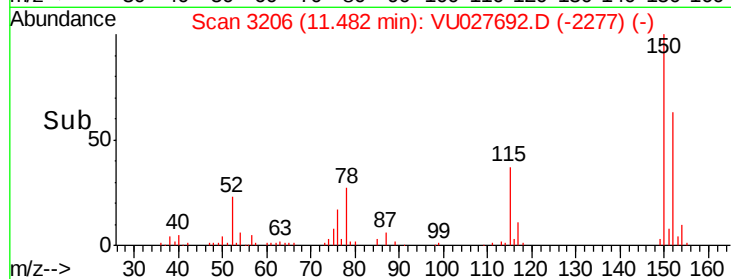
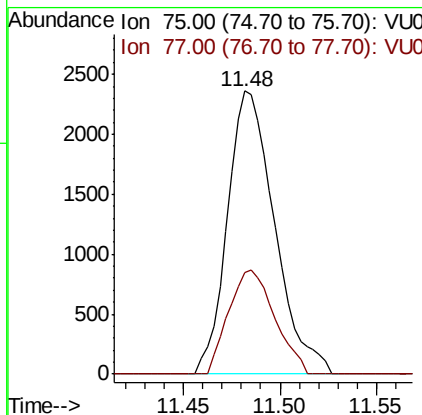
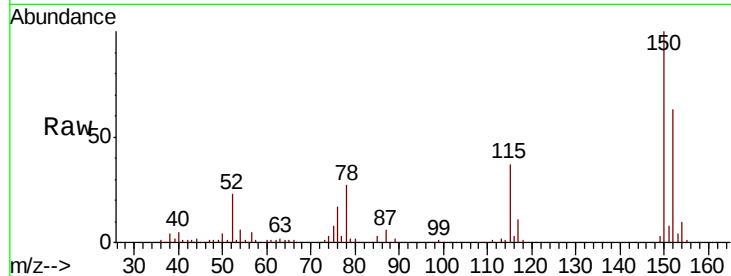




#59
 1,2,3-Trichloropropane
 Concen: 1.104 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

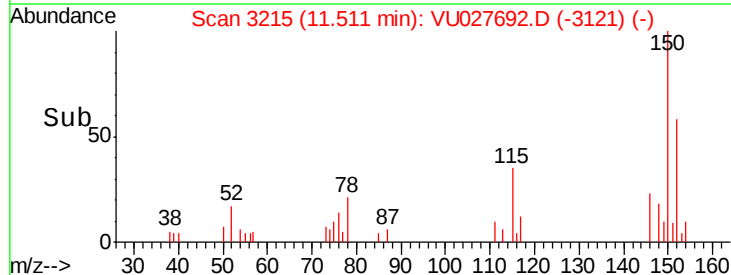
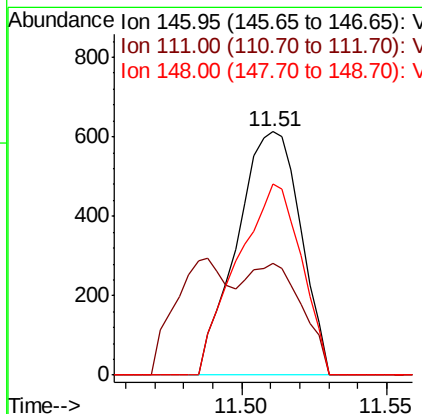
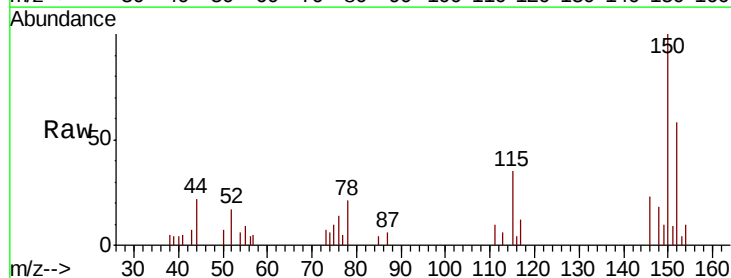
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB8DL

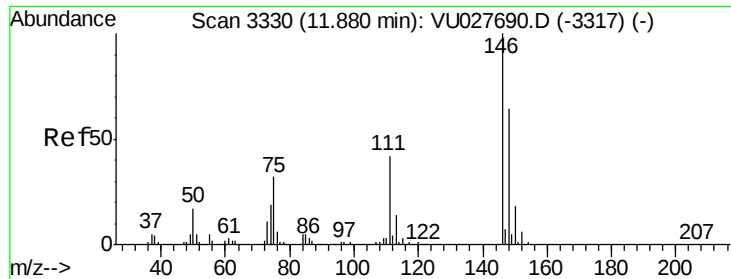
Tgt Ion: 75 Resp: 3999
 Ion Ratio Lower Upper
 75 100
 77 35.9 26.9 40.3



#63
 1,4-Dichlorobenzene
 Concen: 0.090 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

Tgt Ion: 146 Resp: 937
 Ion Ratio Lower Upper
 146 100
 111 46.0 26.5 49.1
 148 78.5 45.2 84.0





#65
 1,2-Dichlorobenzene
 Concen: 0.581 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027692.D
 Acq: 18 Oct 2018 12:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB8DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	31.7	47.5
148	66.7	50.6	75.8

