

Data File : VU028266.D
Acq On : 19 Nov 2018 19:37
Operator : MD/SY
Sample : J5986-14DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Quant Time: Nov 20 07:13:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	127330	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	120051	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54733	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36209	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.68	69	32454	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.28	63	54354	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.20	46	142155	44.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.66%
24) Chloroform-d	4.65	84	72404	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.31	65	42507	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.34	84	138127	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.33	67	54010	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.57	98	115877	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	7.85	79	15607	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.31	63	98312	40.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39242	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	42646	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	4511	0.349	ug/L #	31
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	459	0.055	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	587	0.075	ug/L #	1
15) Methyl Acetate	2.62	43	606	0.104	ug/L #	59
17) Methyl tert-butyl Ether	3.01	73	23230	0.987	ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	1219	0.146	ug/L #	57
19) 1,1-Dichloroethane	3.45	63	1379	0.071	ug/L #	83
22) cis-1,2-Dichloroethene	4.23	96	40347	4.088	ug/L	87
25) Chloroform	4.68	83	5288	0.252	ug/L	98
34) Trichloroethene	6.19	95	77897	8.033	ug/L	98
35) Methylcyclohexane	6.34	83	10499	0.687	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	5427	0.480	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	970	0.068	ug/L	97
47) Tetrachloroethene	8.23	164	1971	0.293	ug/L	90
48) 2-Hexanone	8.38	43	3807	0.661	ug/L #	80
49) Dibromochloromethane	8.23	129	1855	0.268	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	8160	1.249	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Quantitation Report (Not Reviewed)

Data File : VU028266.D
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Operator : MD/SY
Sample : J5986-14DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

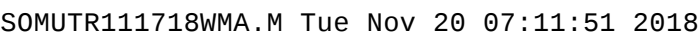
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

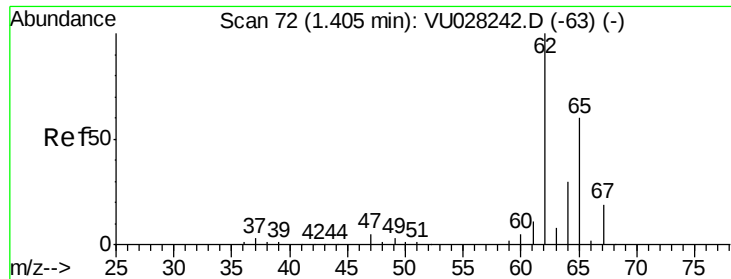
Quant Time: Nov 20 07:13:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Nov 20 07:13:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.349 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

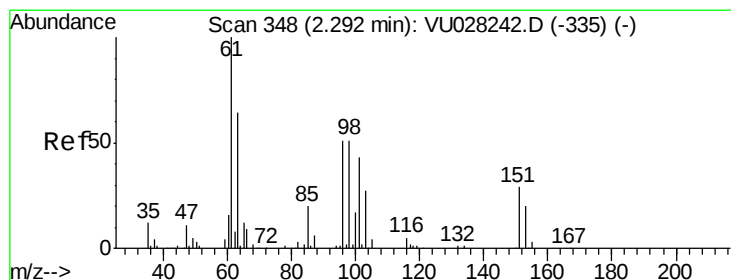
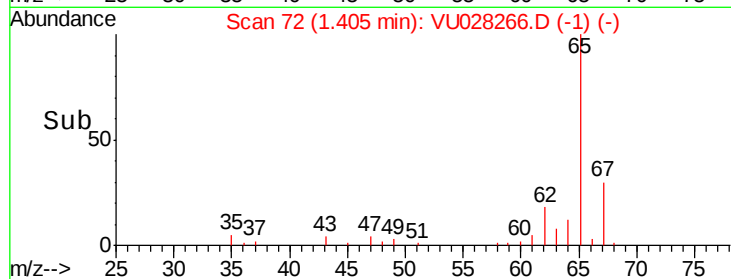
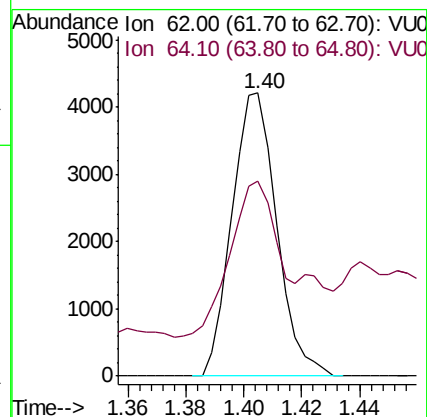
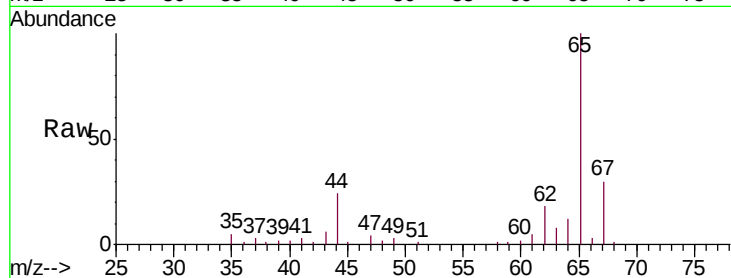
VSTD00522

Tgt Ion: 62 Resp: 4511

Ion Ratio Lower Upper

62 100

64 68.7 21.7 40.3#



#10

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

Concen: 0.055 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

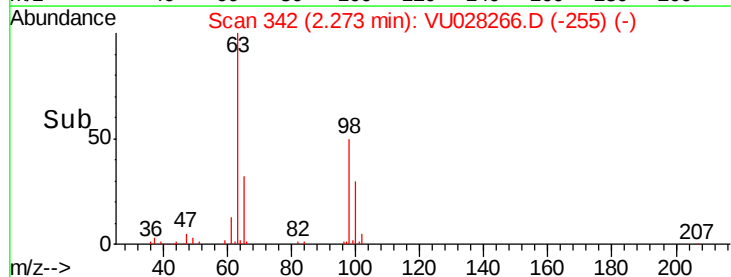
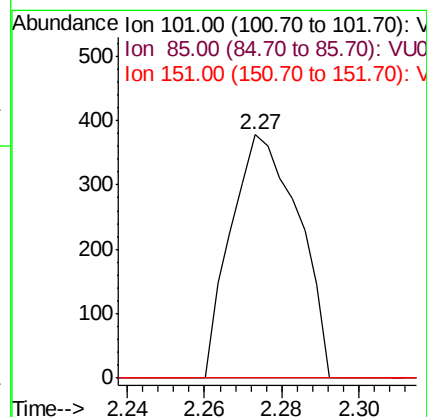
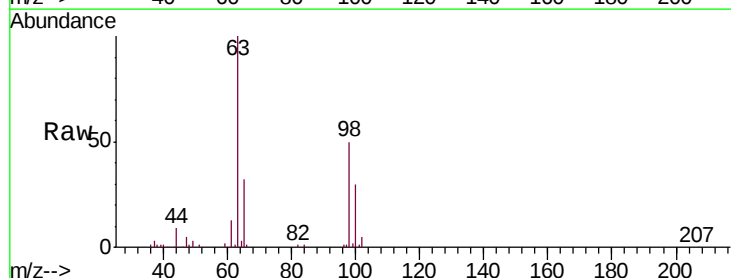
Tgt Ion: 101 Resp: 459

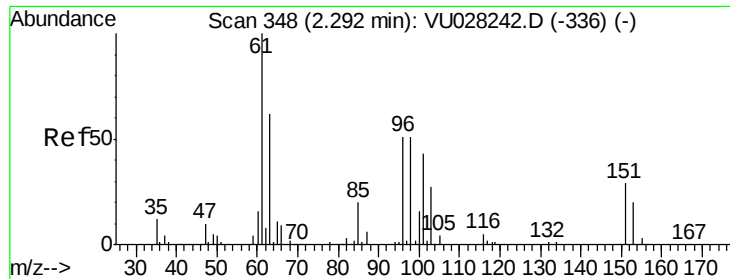
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#

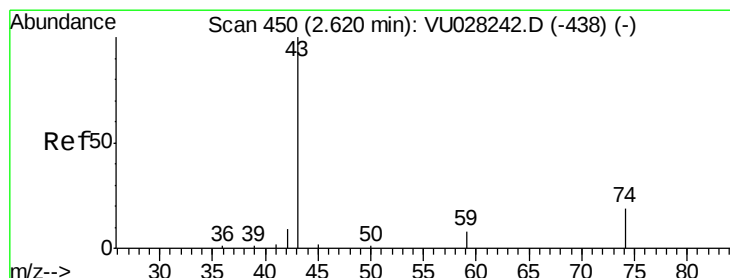
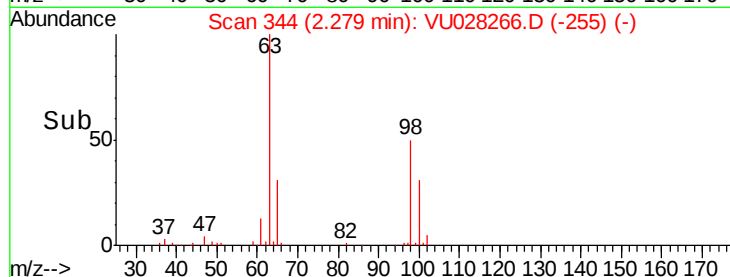
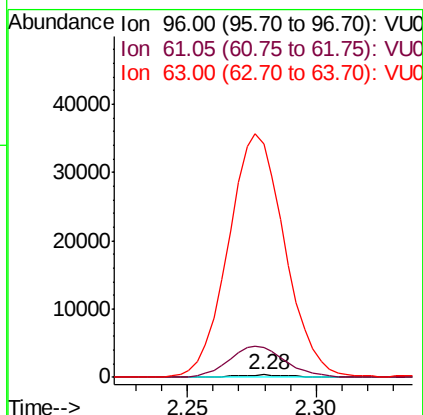
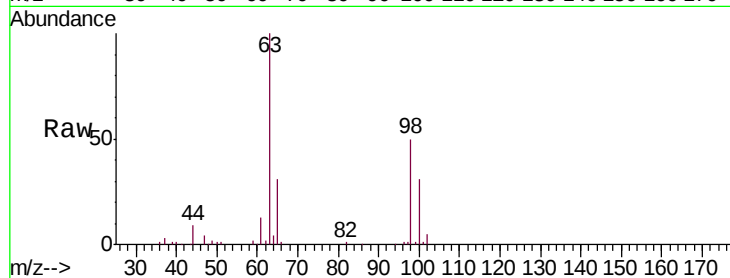




#12
 1,1-Dichloroethene
 Concen: 0.075 ug/L
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028266.D
 Acq: 19 Nov 2018 19:37

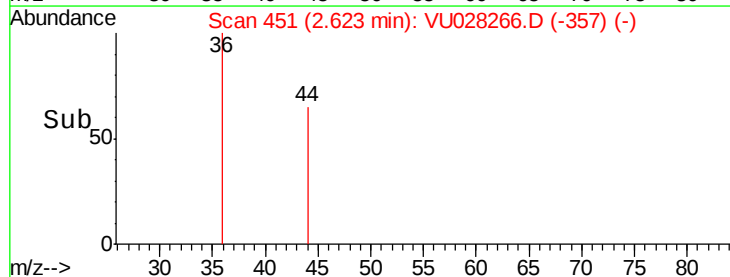
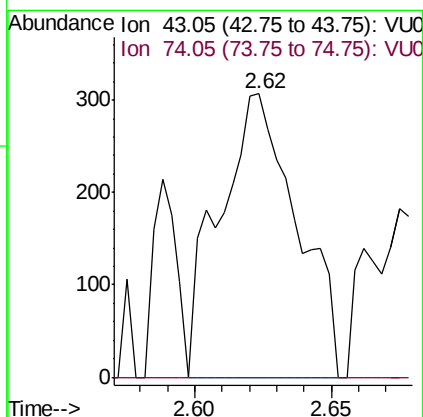
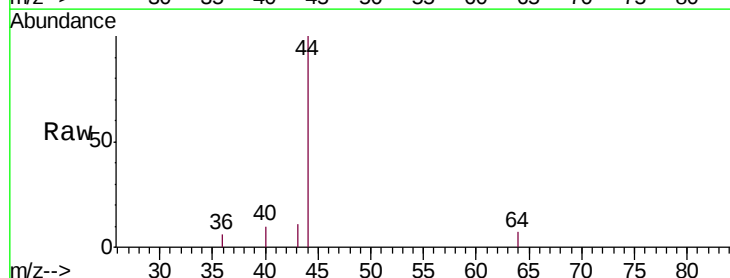
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

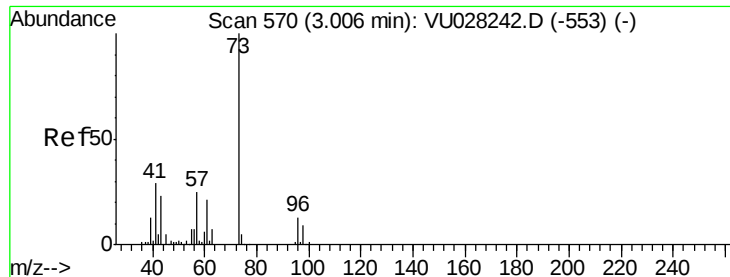
Tgt Ion: 96 Resp: 587
 Ion Ratio Lower Upper
 96 100
 61 1257.1 145.5 270.1#
 63 9830.5 98.6 183.2#



#15
 Methyl Acetate
 Concen: 0.104 ug/L
 RT: 2.62 min Scan# 451
 Delta R.T. 0.00 min
 Lab File: VU028266.D
 Acq: 19 Nov 2018 19:37

Tgt Ion: 43 Resp: 606
 Ion Ratio Lower Upper
 43 100
 74 0.0 14.7 22.1#





#17

Methyl tert-butyl Ether

Concen: 0.987 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

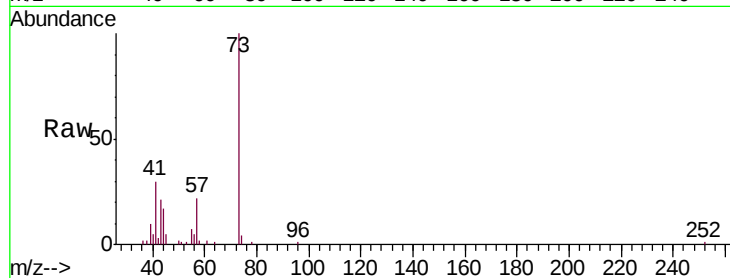
Tgt Ion: 73 Resp: 23230

Ion Ratio Lower Upper

73 100

43 25.2 18.8 28.2

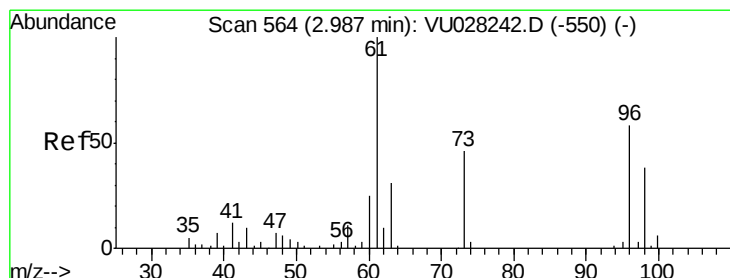
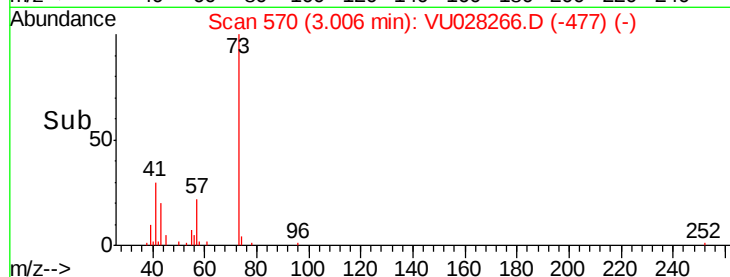
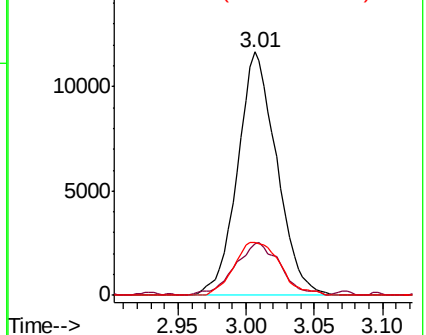
57 25.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU028242.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU028242.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU028242.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.146 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

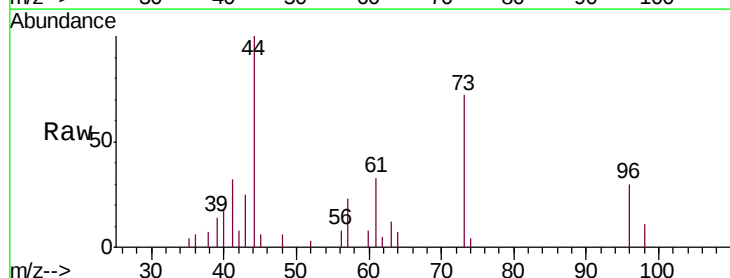
Tgt Ion: 96 Resp: 1219

Ion Ratio Lower Upper

96 100

61 111.6 122.2 227.0#

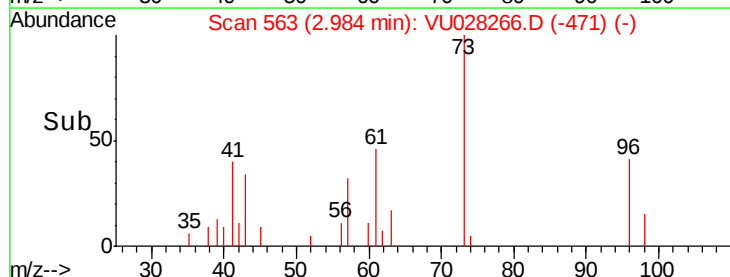
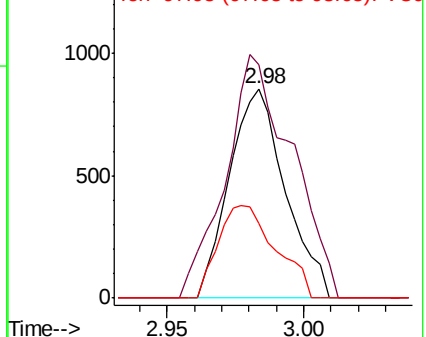
98 35.6 44.9 83.5#

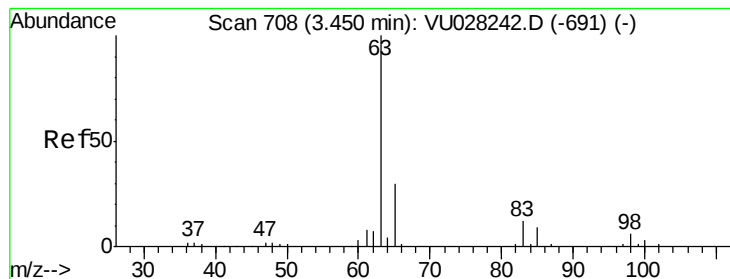


Abundance Ion 96.00 (95.70 to 96.70): VU028242.D (-550) (-)

Ion 61.05 (60.75 to 61.75): VU028242.D (-550) (-)

Ion 97.95 (97.65 to 98.65): VU028242.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 0.071 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

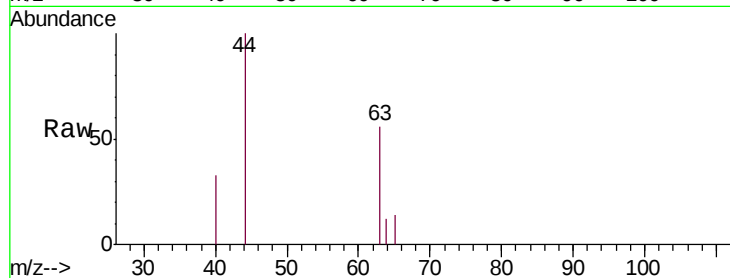
Tgt Ion: 63 Resp: 1379

Ion Ratio Lower Upper

63 100

65 24.2 21.2 39.4

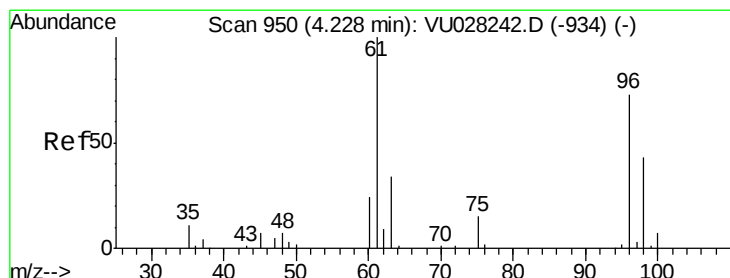
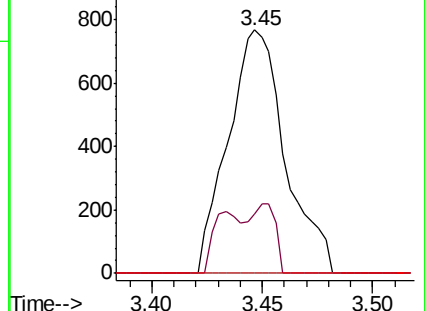
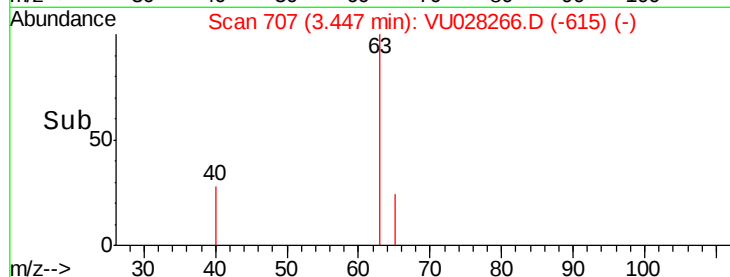
83 0.0 8.8 16.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 4.088 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

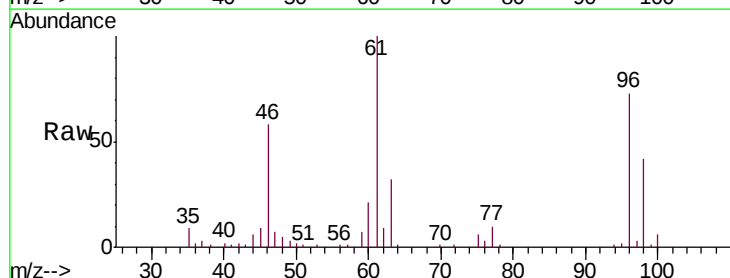
Tgt Ion: 96 Resp: 40347

Ion Ratio Lower Upper

96 100

61 137.4 108.0 200.6

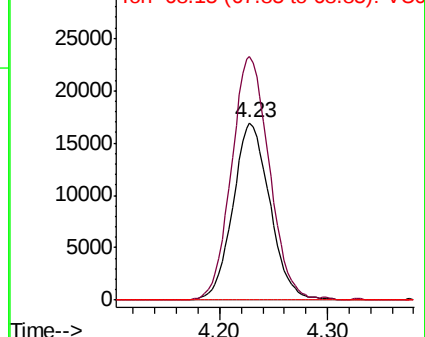
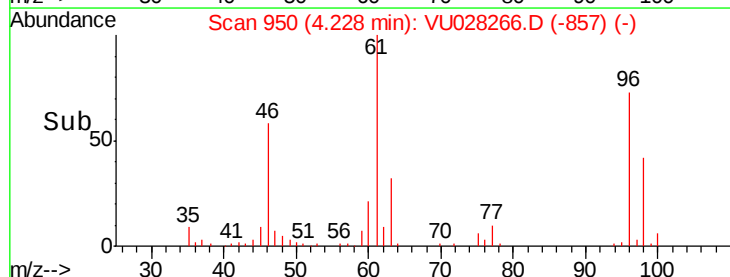
68 0.0 0.0 0.0

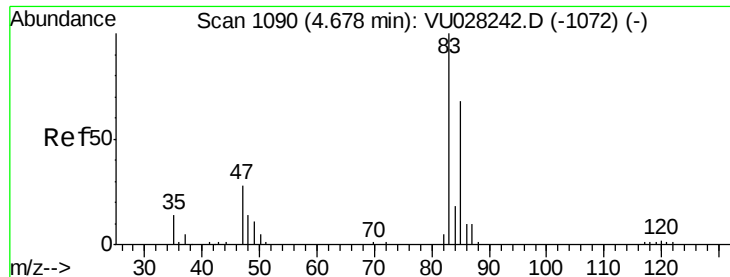


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#25

Chloroform

Concen: 0.252 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

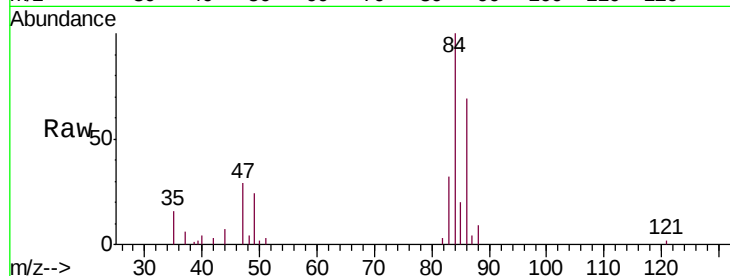
VSTD00522

Tgt Ion: 83 Resp: 5288

Ion Ratio Lower Upper

83 100

85 62.3 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU028242.D (-1072) (-)

Ion 85.00 (84.70 to 85.70): VU028266.D (-997) (-)

4.68

2500

2000

1500

1000

500

0

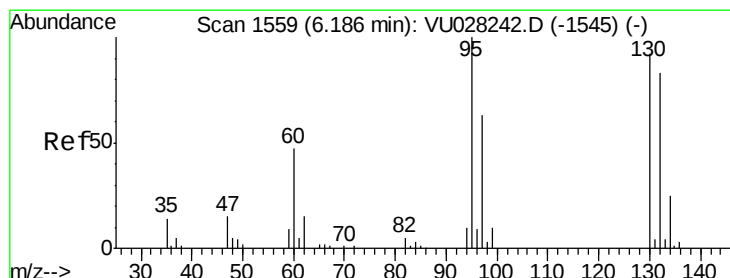
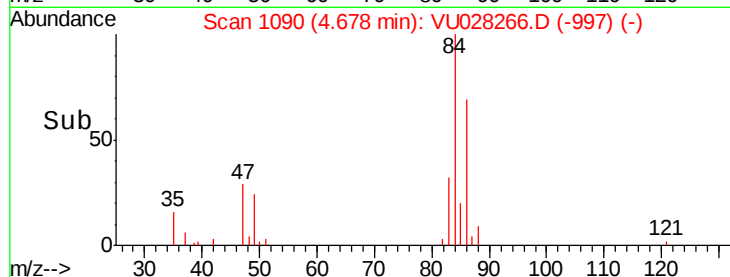
4.60

4.65

4.70

4.75

Time-->



#34

Trichloroethene

Concen: 8.033 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

Tgt Ion: 95 Resp: 77897

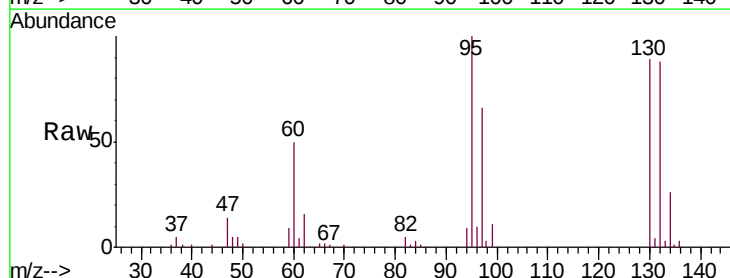
Ion Ratio Lower Upper

95 100

97 66.0 46.5 86.3

132 87.9 58.9 109.3

130 88.7 61.3 113.9



Abundance Ion 95.00 (94.70 to 95.70): VU028242.D (-1545) (-)

Ion 96.95 (96.65 to 97.65): VU028266.D (-1466) (-)

Ion 131.95 (131.65 to 132.65): VU028266.D (-1466) (-)

Ion 129.95 (129.65 to 130.65): VU028266.D (-1466) (-)

6.19

60000

50000

40000

30000

20000

10000

0

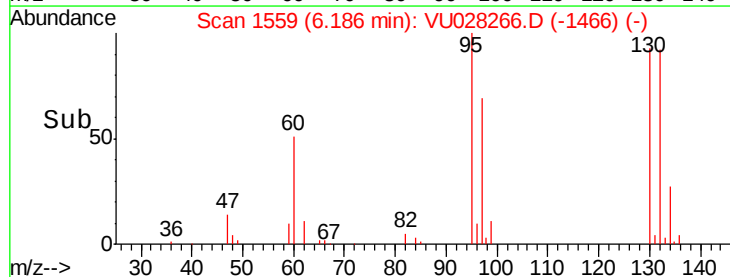
6.10

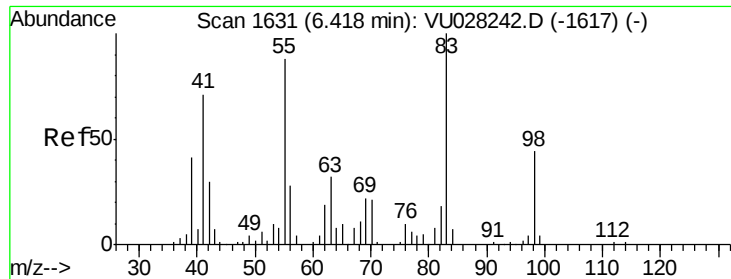
6.15

6.20

6.25

Time-->

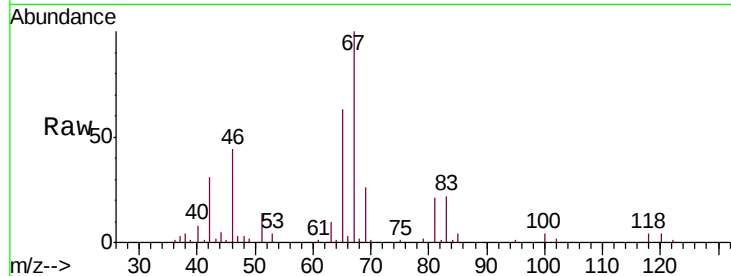




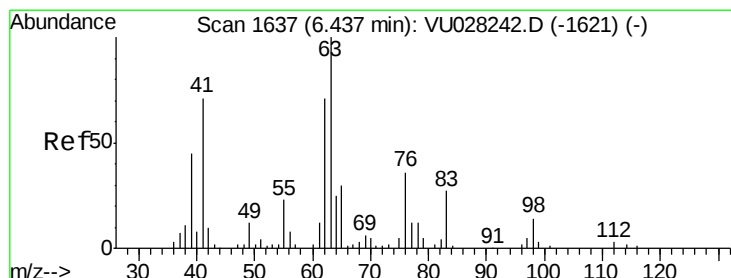
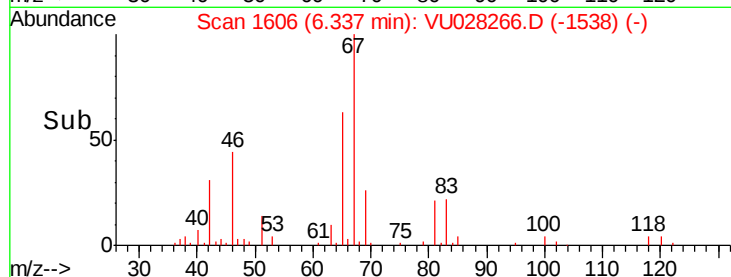
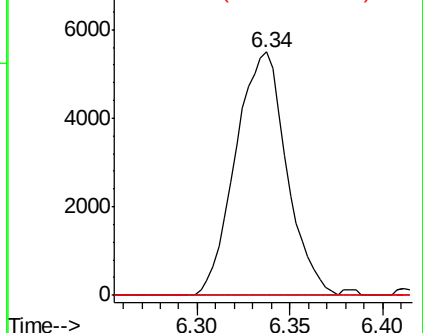
#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 6.34 min Scan# 1606
Delta R.T. -0.08 min
Lab File: VU028266.D
Acq: 19 Nov 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tgt Ion: 83 Resp: 10499
Ion Ratio Lower Upper
83 100
55 0.2 73.2 109.8#
98 0.0 33.4 50.2#

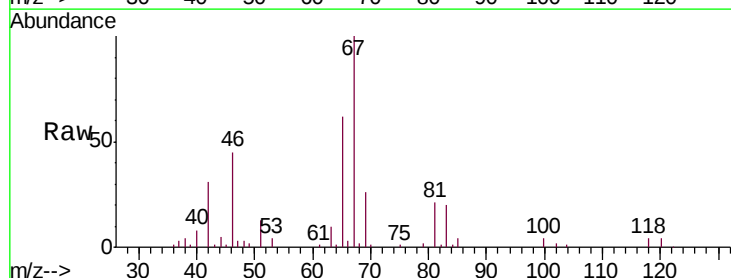


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

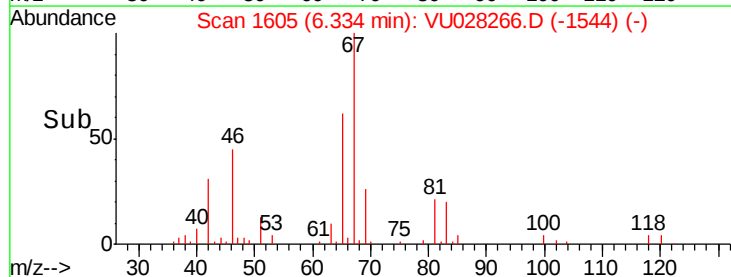
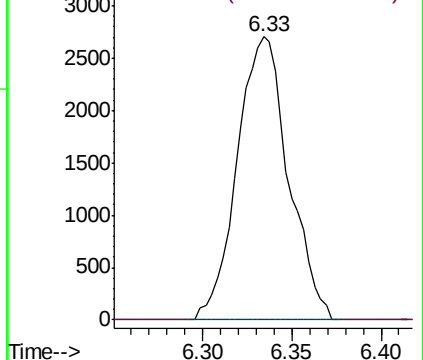


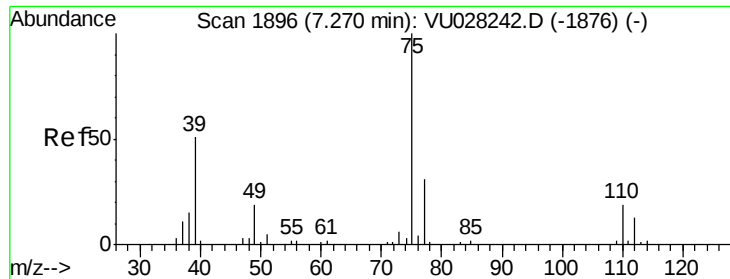
#37
1,2-Dichloropropane
Concen: 0.480 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028266.D
Acq: 19 Nov 2018 19:37

Tgt Ion: 63 Resp: 5427
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

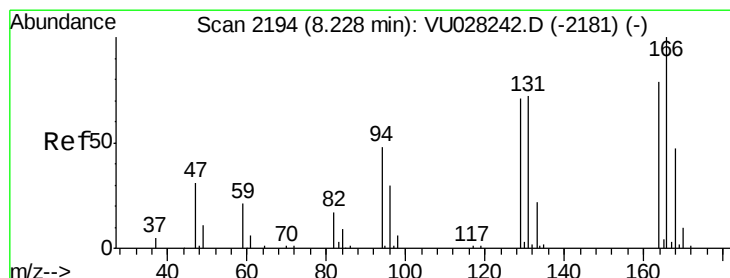
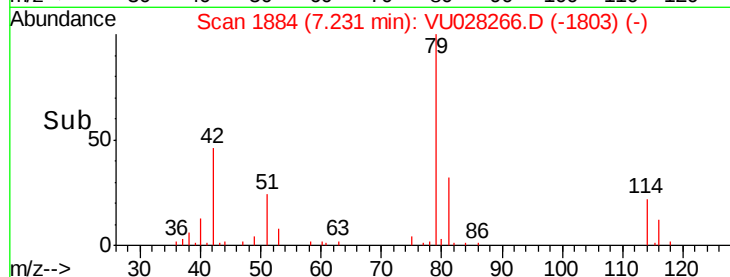
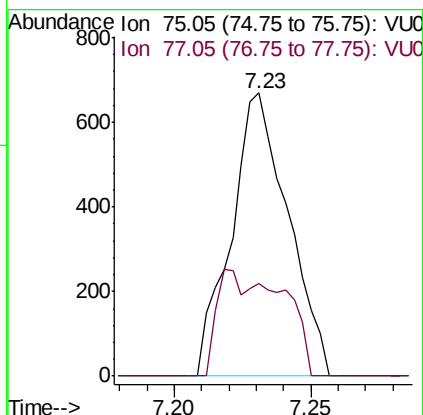
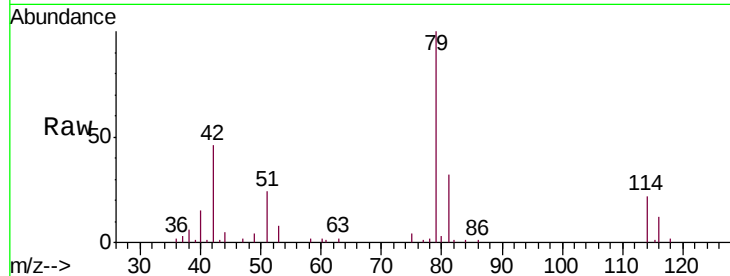




#39
 cis-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028266.D
 Acq: 19 Nov 2018 19:37

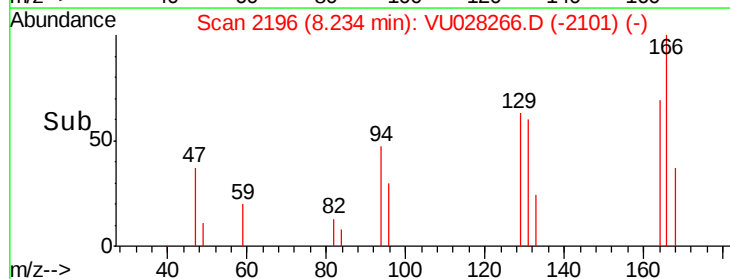
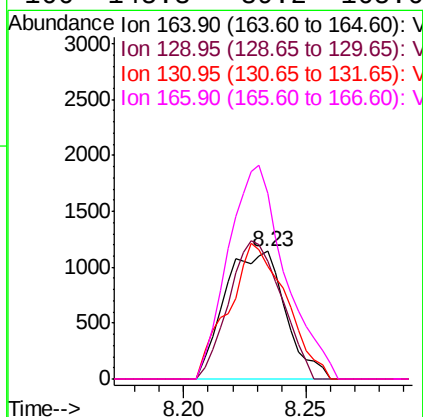
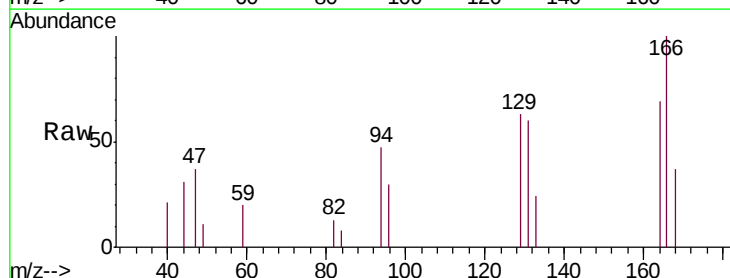
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

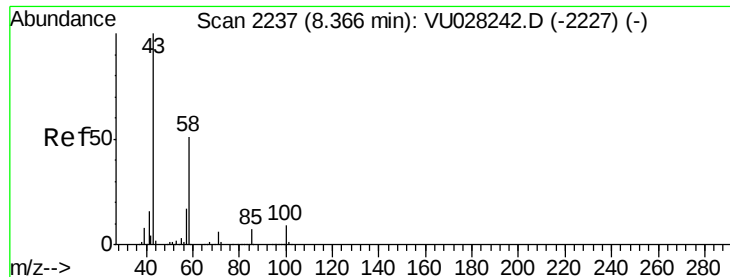
Tgt Ion: 75 Resp: 970
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.7 40.3



#47
 Tetrachloroethene
 Concen: 0.293 ug/L
 RT: 8.23 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VU028266.D
 Acq: 19 Nov 2018 19:37

Tgt Ion: 164 Resp: 1971
 Ion Ratio Lower Upper
 164 100
 129 91.6 67.6 125.6
 131 87.7 66.3 123.1
 166 145.3 89.2 165.6

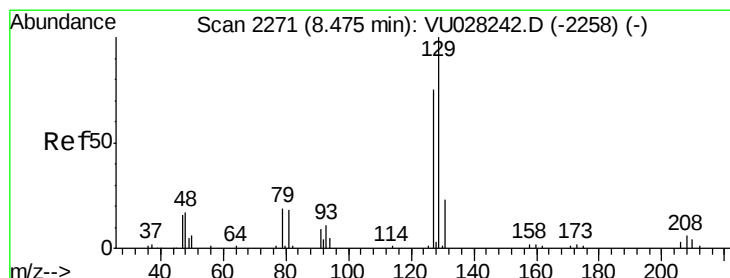
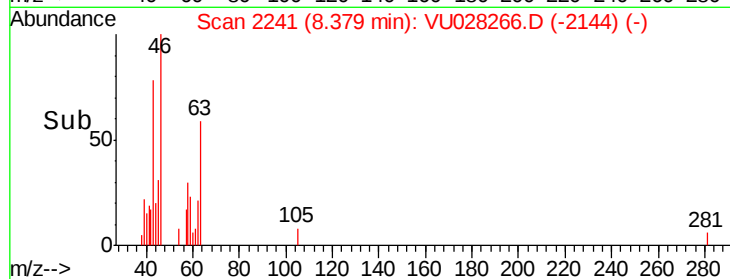
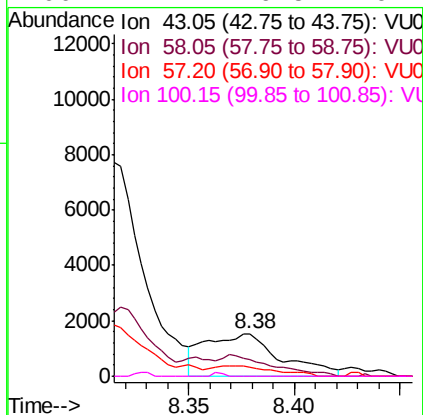
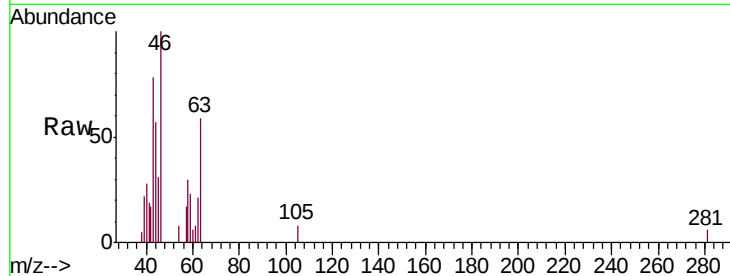




#48
2-Hexanone
Concen: 0.661 ug/L
RT: 8.38 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VU028266.D
Acq: 19 Nov 2018 19:37

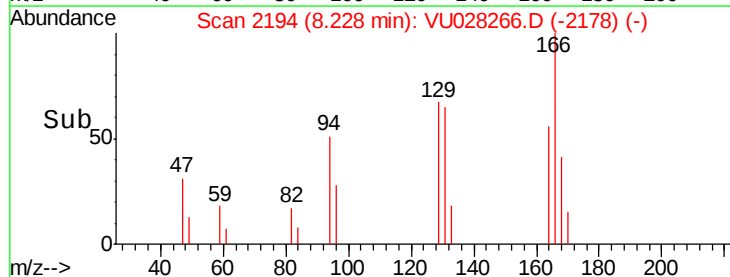
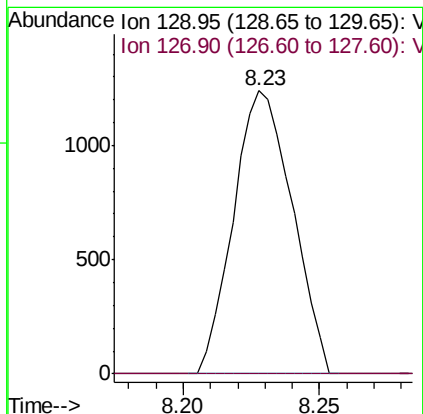
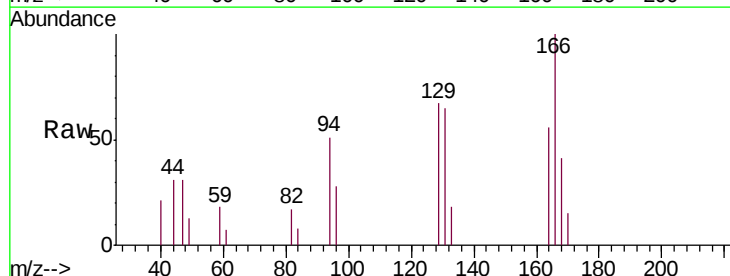
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

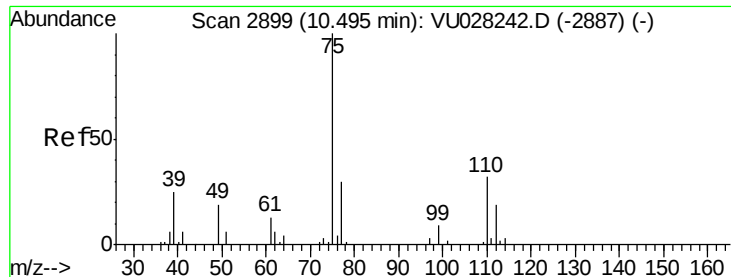
Tgt Ion: 43 Resp: 3807
Ion Ratio Lower Upper
43 100
58 33.7 41.1 61.7#
57 19.0 13.8 20.8
100 1.2 6.5 9.7#



#49
Dibromochloromethane
Concen: 0.268 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028266.D
Acq: 19 Nov 2018 19:37

Tgt Ion: 129 Resp: 1855
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 1.249 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028266.D

Acq: 19 Nov 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

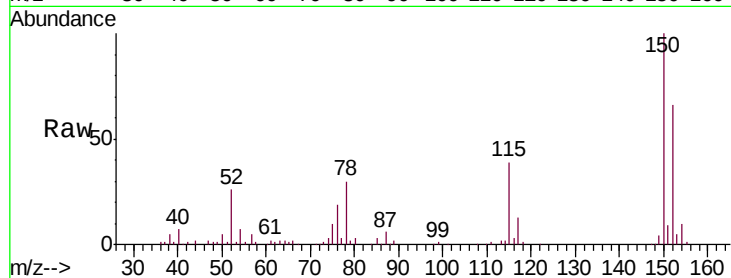
VSTD00522

Tgt Ion: 75 Resp: 8160

Ion Ratio Lower Upper

75 100

77 35.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

