

Data File : VU026870.D
Acq On : 18 Sep 2018 18:20
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Quant Time: Sep 19 05:10:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	247186	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	238800	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	121136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82954	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	75805	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.86%
11) 1,1-Dichloroethene-d2	2.27	63	165749	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
21) 2-Butanone-d5	4.18	46	139692	115.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	4.65	84	172952	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
26) 1,2-Dichloroethane-d4	5.31	65	108726	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
32) Benzene-d6	5.34	84	343323	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.33	67	111889	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.57	98	315915	52.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.50%
43) trans-1,3-Dichloropropene-	7.85	79	49136	51.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.08%
47) 2-Hexanone-d5	8.31	63	105138	124.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	156608	52.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	128253	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	108948	46.637 ug/L	100
3) Chloromethane	1.33	50	118234	49.617 ug/L	98
5) Vinyl chloride	1.40	62	117834	50.812 ug/L	100
6) Bromomethane	1.62	94	44206	38.595 ug/L	99
8) Chloroethane	1.69	64	73118	50.314 ug/L	97
9) Trichlorofluoromethane	1.88	101	144016	49.983 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	81175	47.560 ug/L	98
12) 1,1-Dichloroethene	2.28	96	78924	49.236 ug/L	93
13) Acetone	2.32	43	100716	84.445 ug/L	100
14) Carbon disulfide	2.48	76	270058	48.821 ug/L	100
15) Methyl Acetate	2.61	43	113787	55.064 ug/L	99
16) Methylene chloride	2.70	84	101594	49.857 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	89447	50.665 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	278084	53.864 ug/L	99
19) 1,1-Dichloroethane	3.45	63	174737	51.316 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	101220	52.130 ug/L	99
22) 2-Butanone	4.26	43	154606	105.117 ug/L	100

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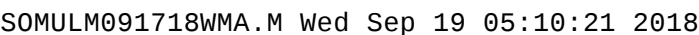
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

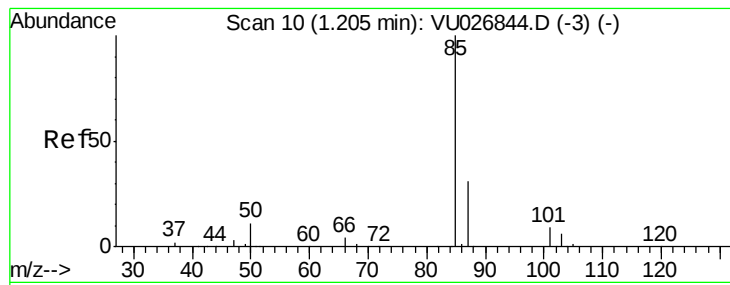
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	52256	49.844	ug/L	98
25) Chloroform	4.68	83	174278	50.532	ug/L	97
27) 1,2-Dichloroethane	5.41	62	136133	50.582	ug/L	100
29) Cyclohexane	5.00	56	148013	53.383	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	145112	51.079	ug/L	100
31) Carbon tetrachloride	5.13	117	128470	50.463	ug/L	98
33) Benzene	5.39	78	389111	52.556	ug/L	100
34) Trichloroethene	6.19	95	91558	51.535	ug/L	96
35) Methylcyclohexane	6.42	83	147897	51.069	ug/L	99
37) 1,2-Dichloropropane	6.43	63	106282	52.258	ug/L	100
38) Bromodichloromethane	6.76	83	128131	50.802	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	148302	51.620	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	282277	116.808	ug/L	100
42) Toluene	7.64	91	400704	53.482	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	138804	51.600	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	95228	51.357	ug/L	98
46) Tetrachloroethene	8.23	164	80071	50.840	ug/L	99
48) 2-Hexanone	8.36	43	222546	114.167	ug/L	99
49) Dibromochloromethane	8.48	129	107737	51.330	ug/L	97
50) 1,2-Dibromoethane	8.59	107	100268	51.870	ug/L	98
51) Chlorobenzene	9.12	112	273166	53.732	ug/L	100
52) Ethylbenzene	9.25	91	422581	53.844	ug/L	100
53) m,p-Xylene	9.38	106	165944	55.002	ug/L	98
54) o-xylene	9.78	106	162339	55.224	ug/L	95
55) Styrene	9.79	104	280881	55.343	ug/L	99
56) Isopropylbenzene	10.17	105	413367	55.049	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	162004	51.946	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	126792	52.046	ug/L	99
61) Bromoform	9.96	173	80342	50.436	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	195605	52.970	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	217200	53.415	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	215643	52.739	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	32483	52.365	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	147968	51.780	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	132545	53.825	ug/L	99
69) Naphthalene	13.74	128	417139	57.499	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	147834	54.516	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 46.637 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

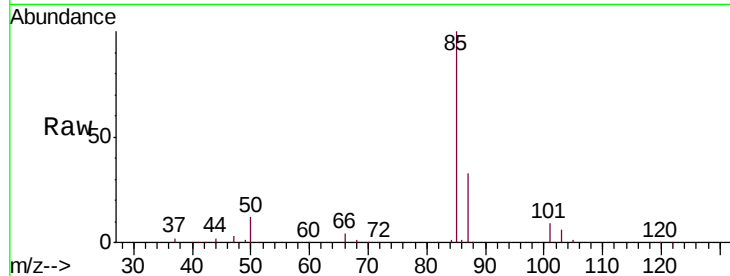
VSTD05047

Tgt Ion: 85 Resp: 108948

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU026844.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026844.D (-3) (-)

1.20

100000

80000

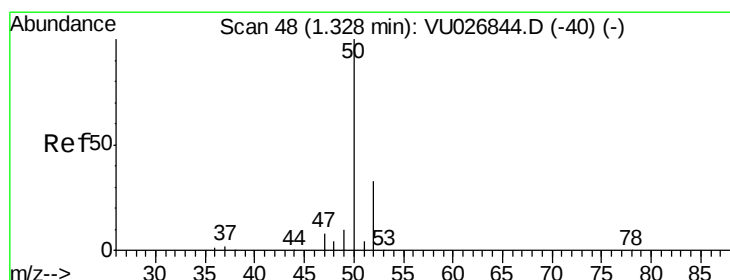
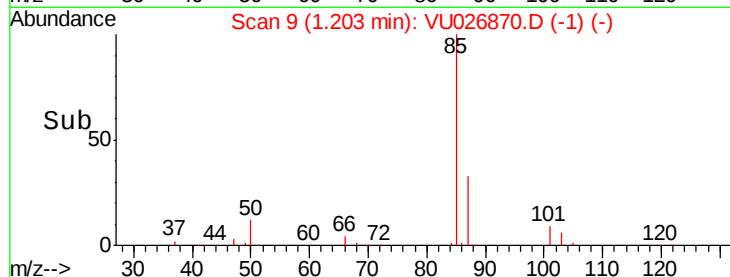
60000

40000

20000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 49.617 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026870.D

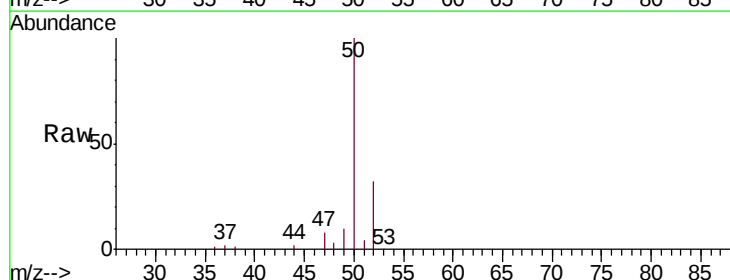
Acq: 18 Sep 2018 18:20

Tgt Ion: 50 Resp: 118234

Ion Ratio Lower Upper

50 100

52 31.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU026844.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VU026844.D (-40) (-)

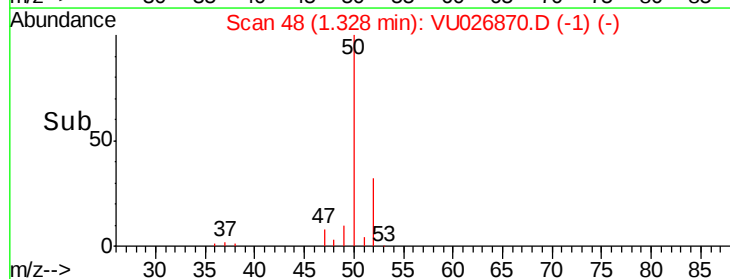
1.33

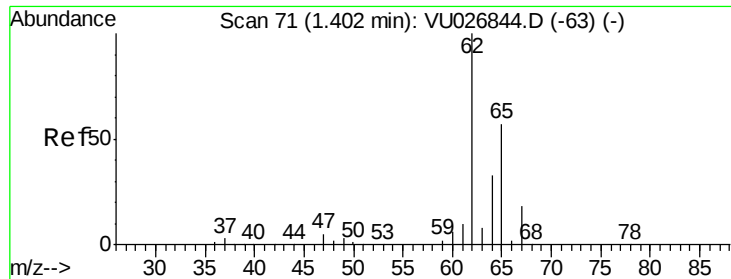
100000

50000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 50.812 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

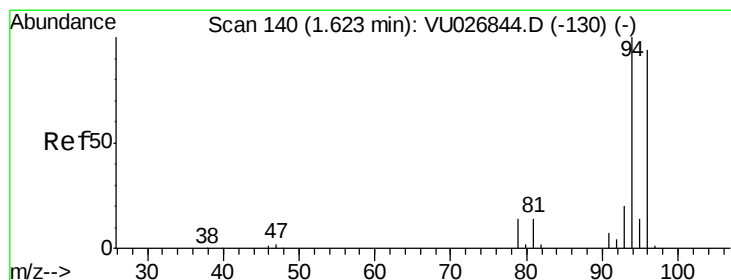
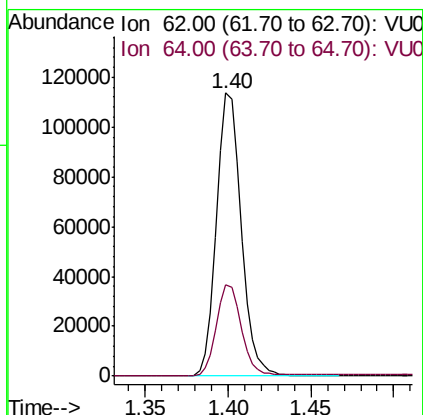
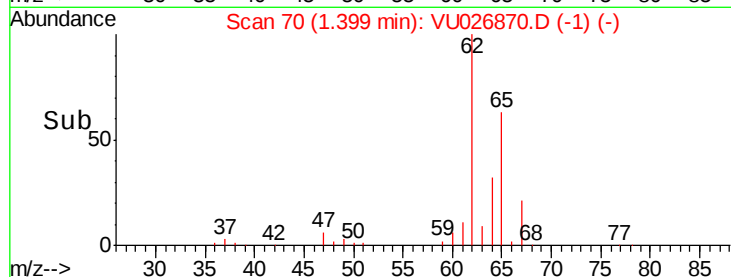
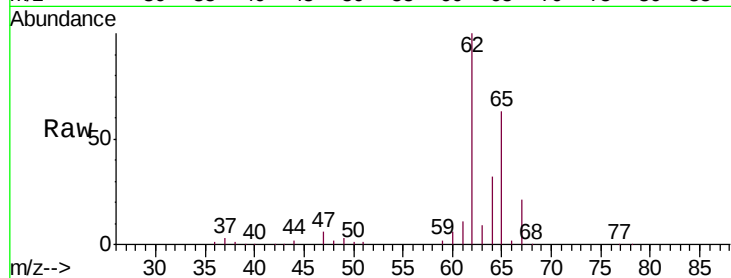
VSTD05047

Tgt Ion: 62 Resp: 117834

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.3



#6

Bromomethane

Concen: 38.595 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026870.D

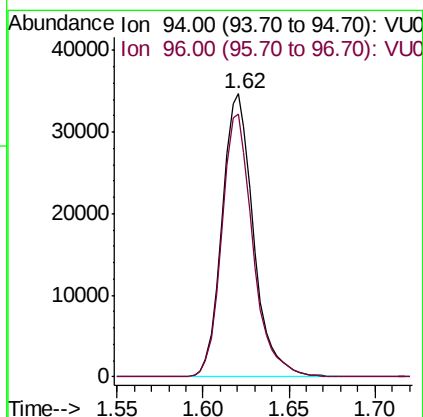
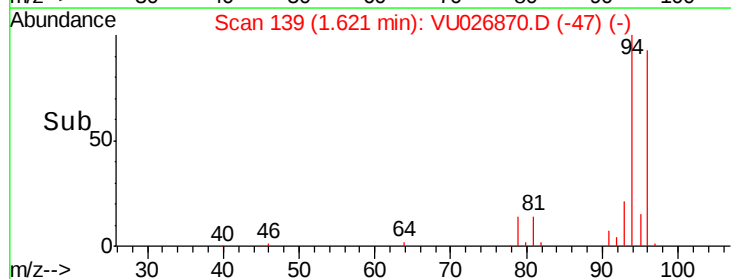
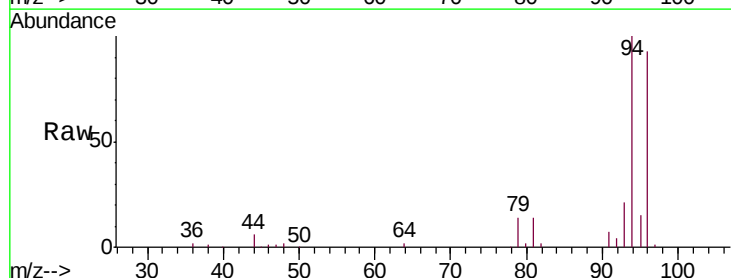
Acq: 18 Sep 2018 18:20

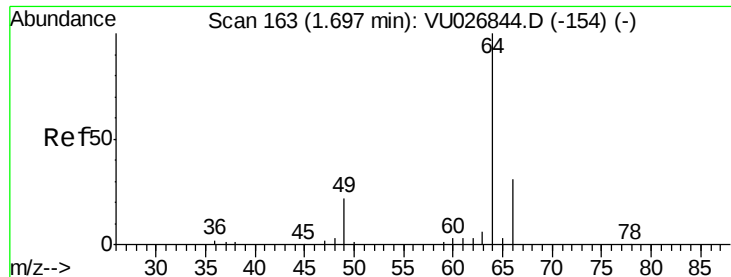
Tgt Ion: 94 Resp: 44206

Ion Ratio Lower Upper

94 100

96 92.9 66.0 122.6





#8

Chloroethane

Concen: 50.314 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

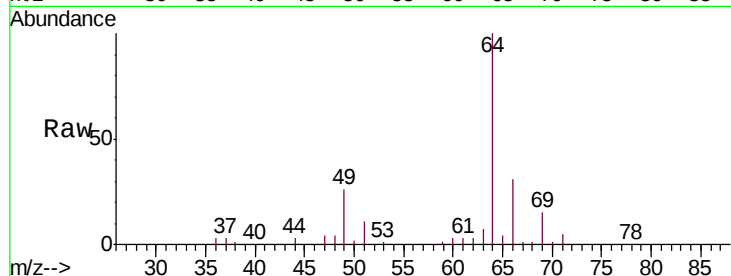
VSTD05047

Tgt Ion: 64 Resp: 73118

Ion Ratio Lower Upper

64 100

66 31.3 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU026844.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU026844.D (-154) (-)

1.69

60000

50000

40000

30000

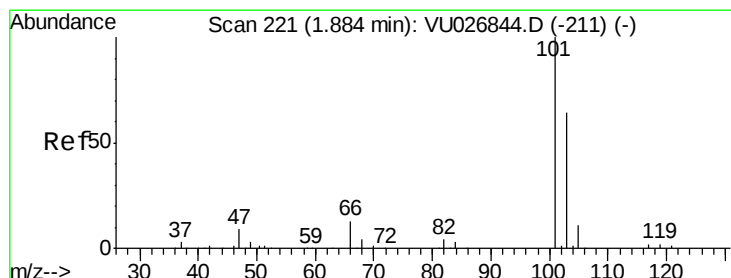
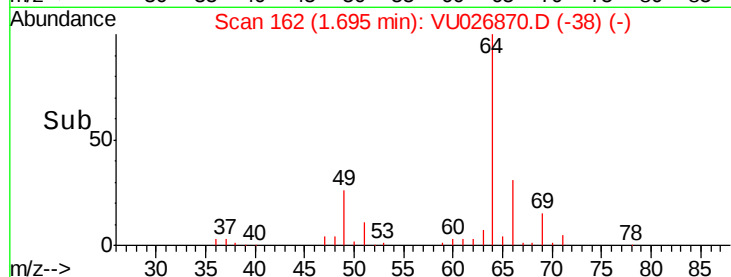
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 49.983 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU026870.D

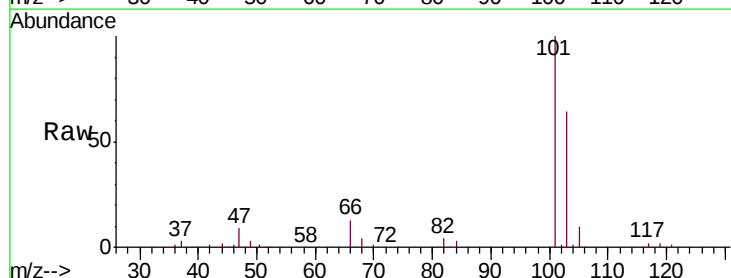
Acq: 18 Sep 2018 18:20

Tgt Ion: 101 Resp: 144016

Ion Ratio Lower Upper

101 100

103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU026844.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026844.D (-211) (-)

1.88

120000

100000

80000

60000

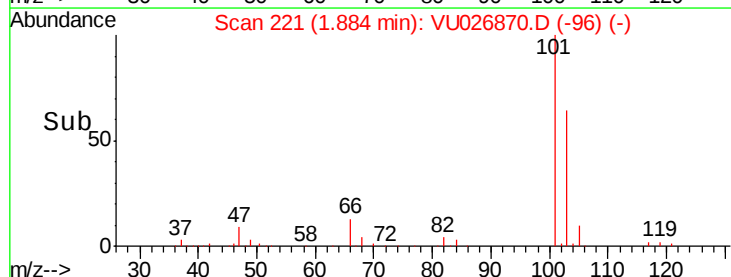
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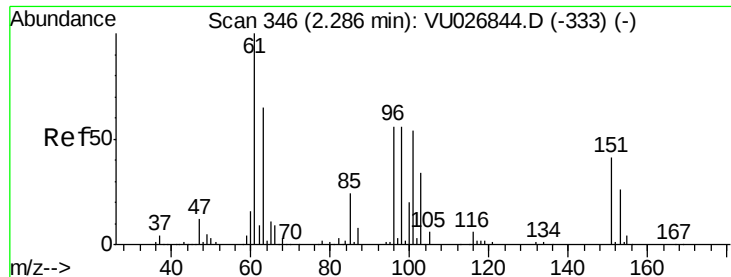
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 47.560 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

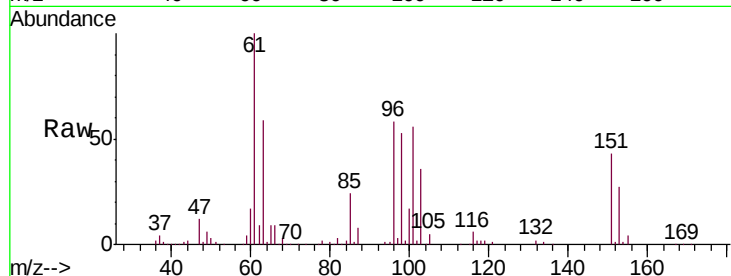
Tgt Ion: 101 Resp: 81175

Ion Ratio Lower Upper

101 100

85 43.0 34.6 52.0

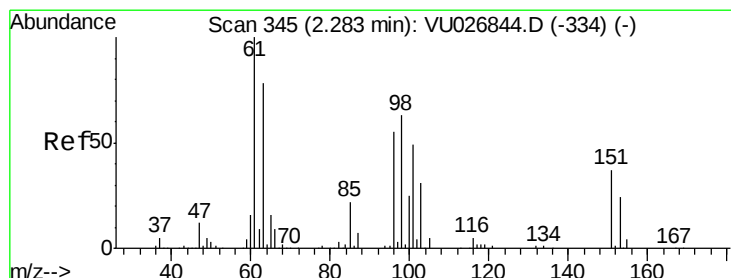
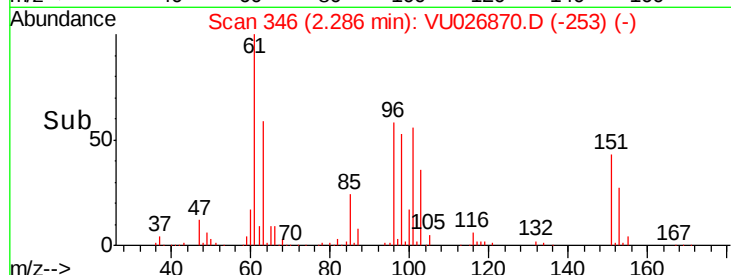
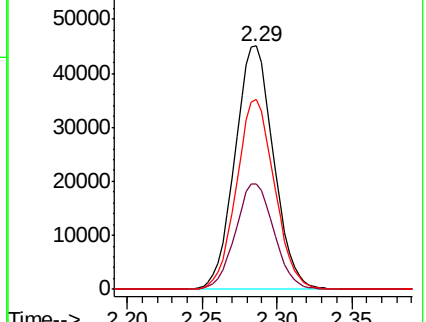
151 76.9 63.0 94.4



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: 49.236 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

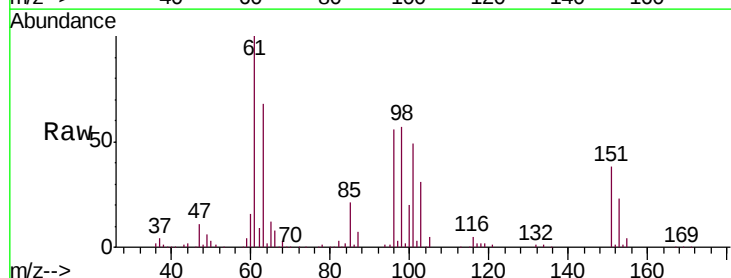
Tgt Ion: 96 Resp: 78924

Ion Ratio Lower Upper

96 100

61 178.4 124.0 230.4

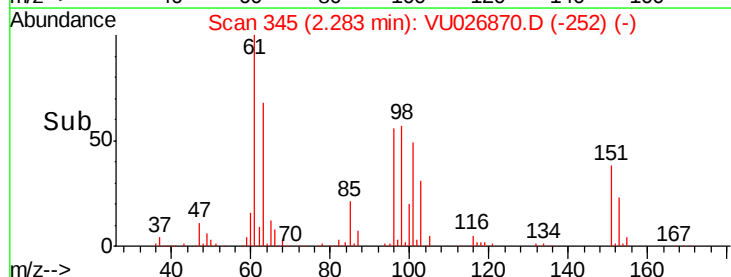
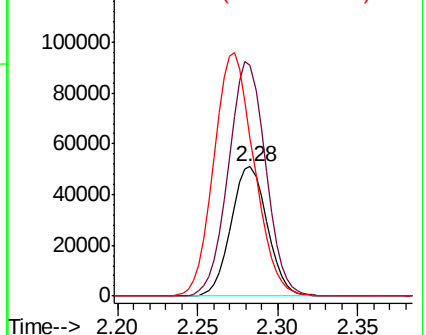
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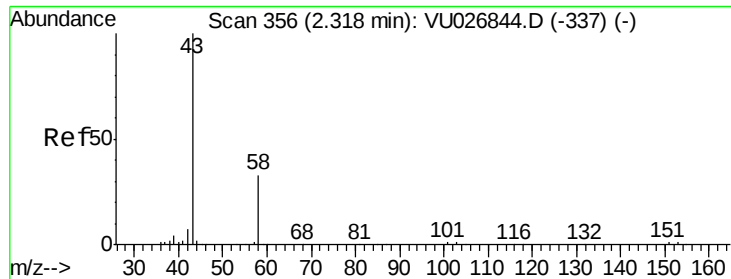


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.445 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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Acq: 18 Sep 2018 18:20

Instrument :

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ClientSampleId :

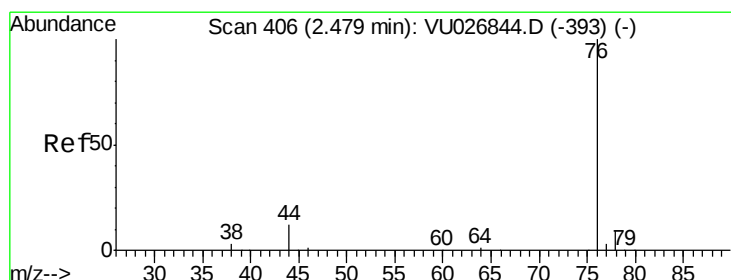
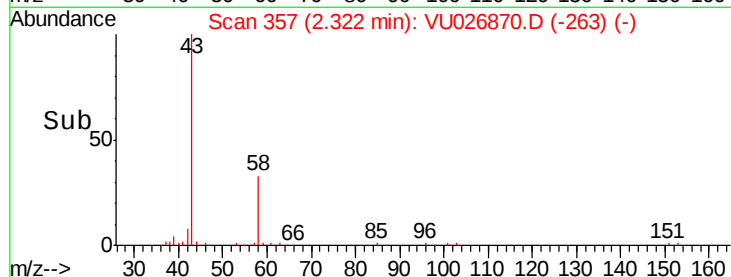
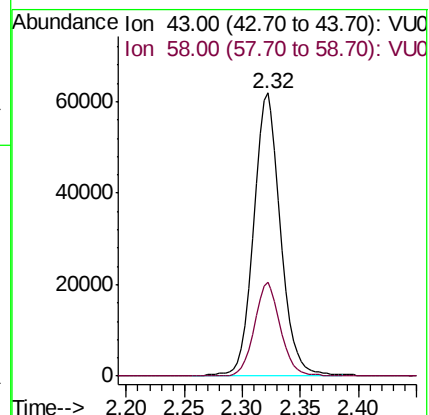
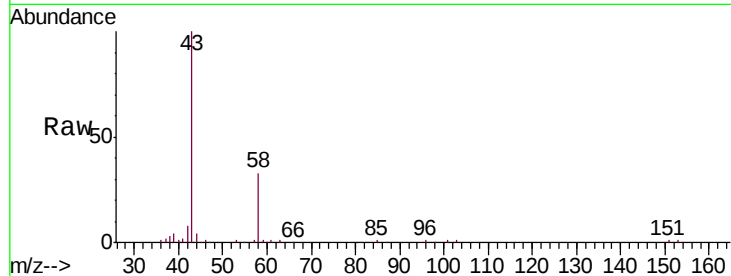
VSTD05047

Tgt Ion: 43 Resp: 100716

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.6



#14

Carbon disulfide

Concen: 48.821 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026870.D

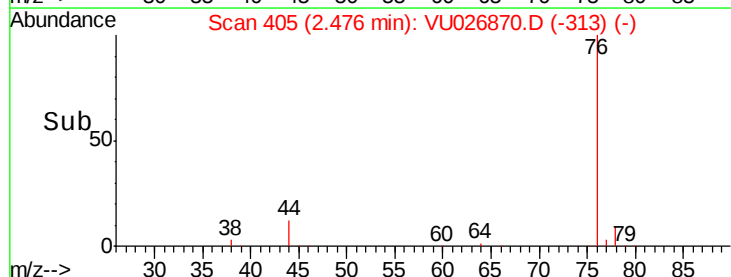
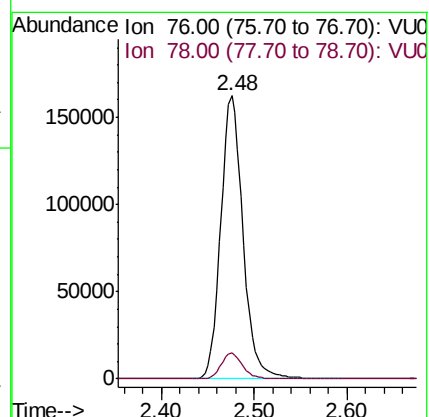
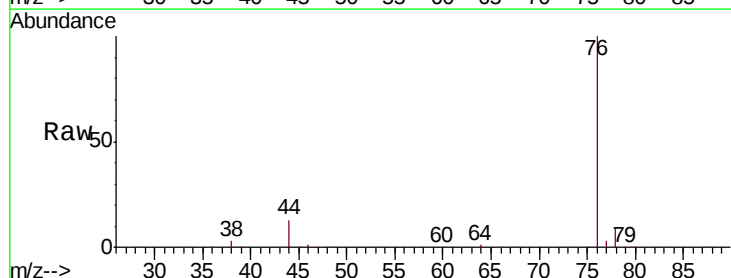
Acq: 18 Sep 2018 18:20

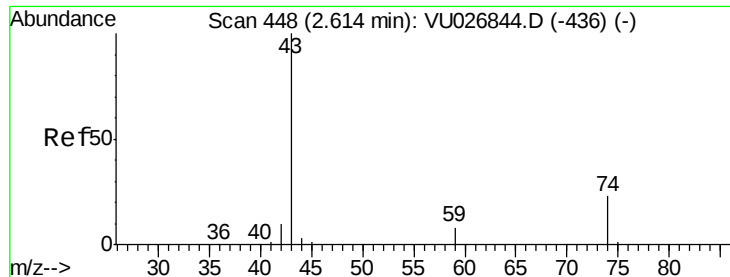
Tgt Ion: 76 Resp: 270058

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

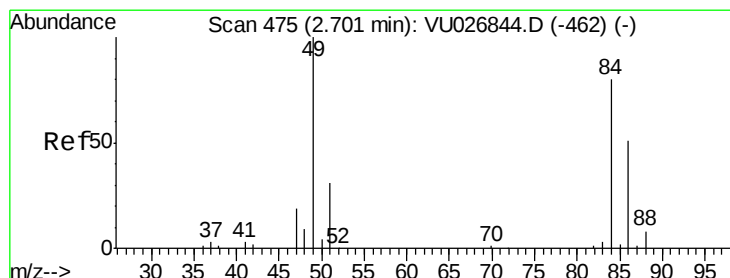
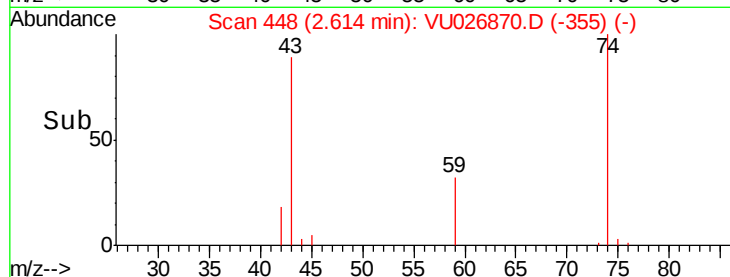
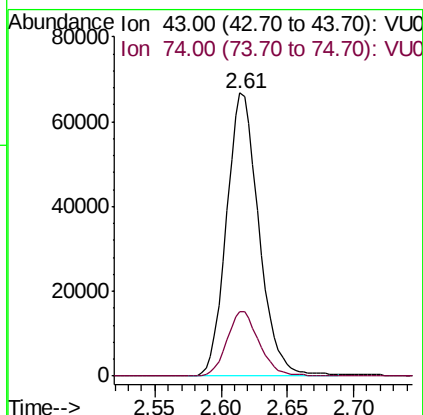
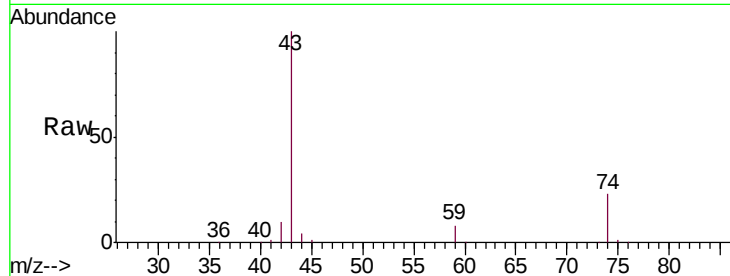




#15
Methyl Acetate
Concen: 55.064 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

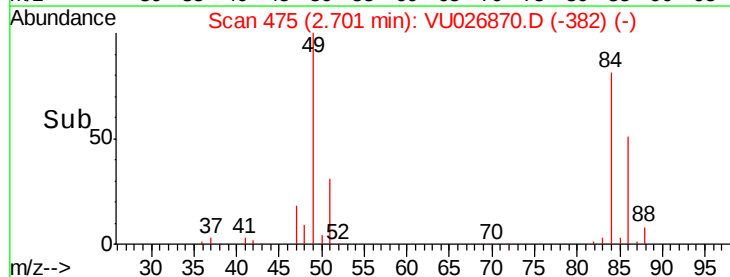
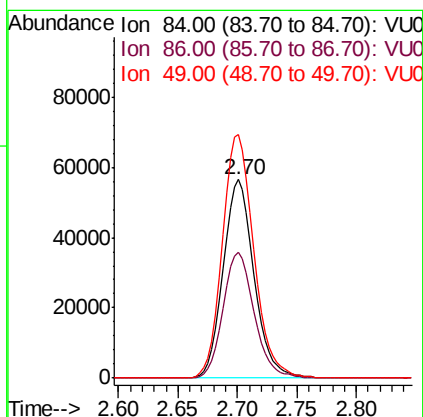
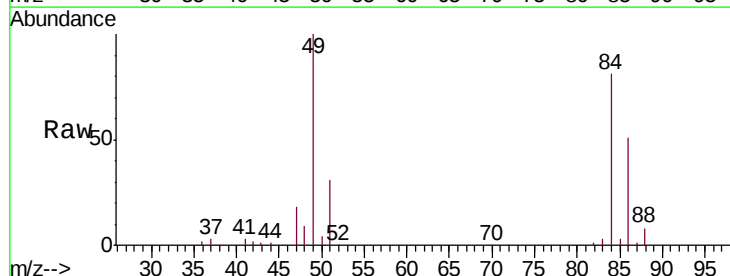
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

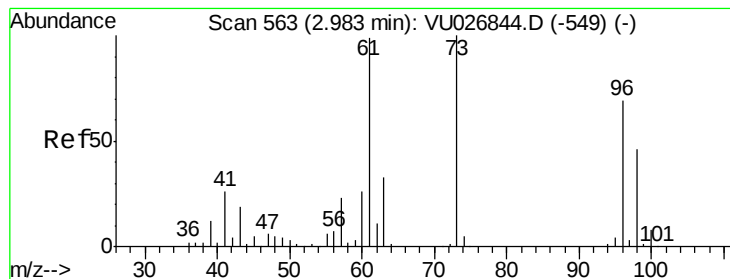
Tgt Ion: 43 Resp: 113787
Ion Ratio Lower Upper
43 100
74 22.7 18.7 28.1



#16
Methylene chloride
Concen: 49.857 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

Tgt Ion: 84 Resp: 101594
Ion Ratio Lower Upper
84 100
86 63.2 45.3 84.1
49 122.8 86.2 160.2





#17

trans-1,2-Dichloroethene

Concen: 50.665 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

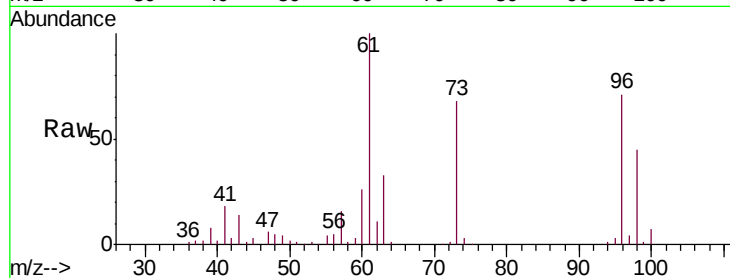
Tgt Ion: 96 Resp: 89447

Ion Ratio Lower Upper

96 100

61 141.2 98.7 183.3

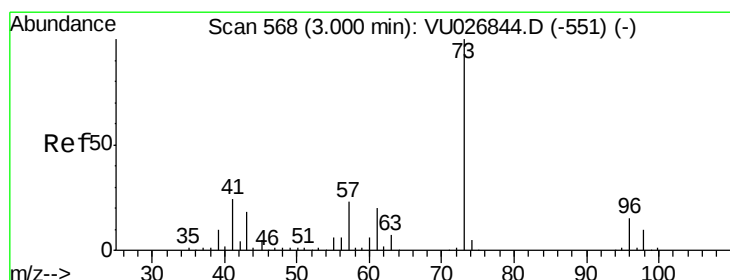
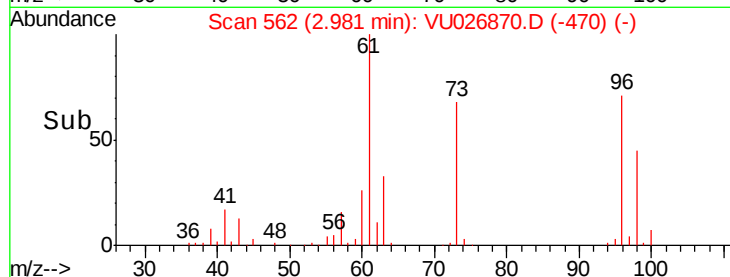
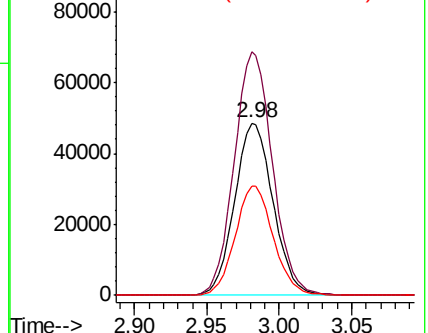
98 63.1 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 53.864 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

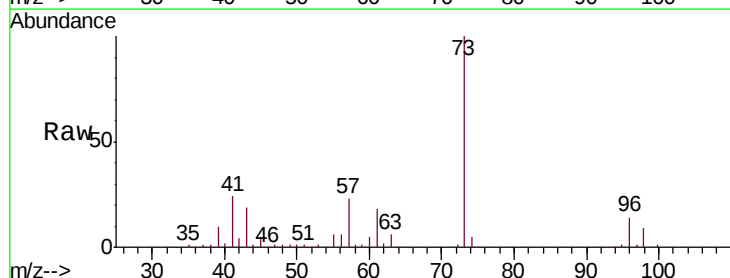
Tgt Ion: 73 Resp: 278084

Ion Ratio Lower Upper

73 100

43 19.2 15.3 22.9

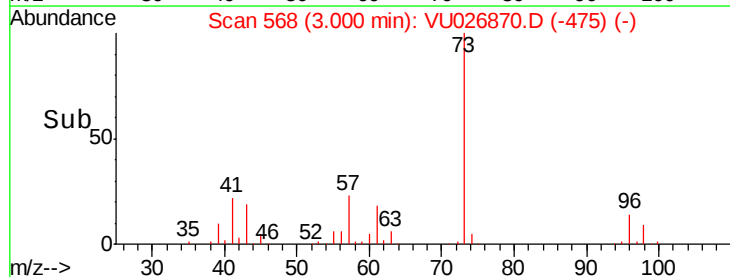
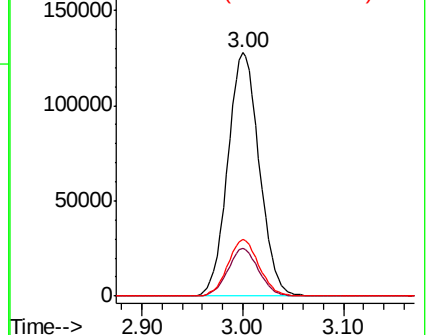
57 23.0 18.1 27.1

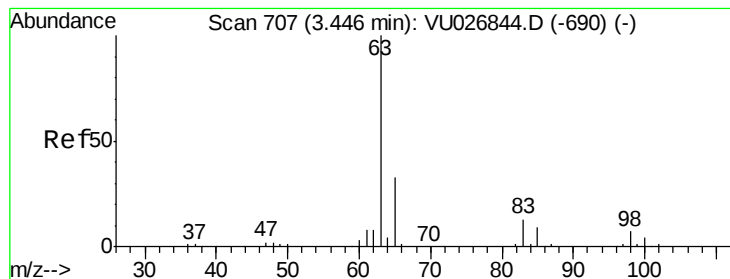


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 51.316 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

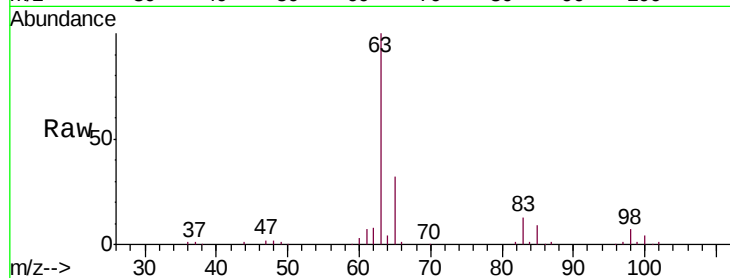
Tgt Ion: 63 Resp: 174737

Ion Ratio Lower Upper

63 100

65 32.0 22.1 41.1

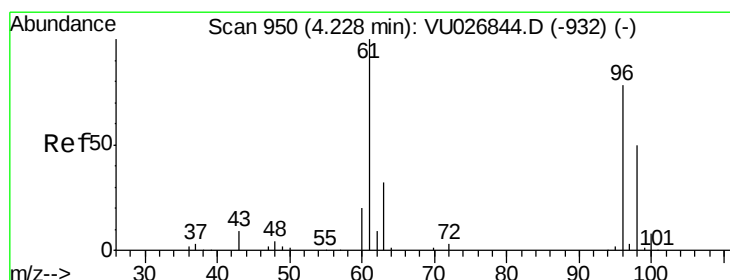
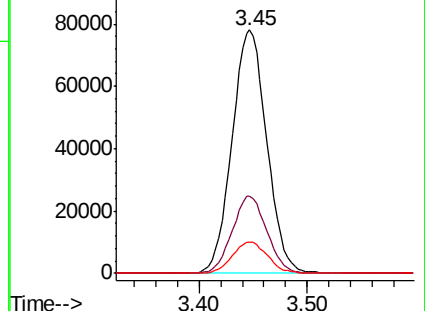
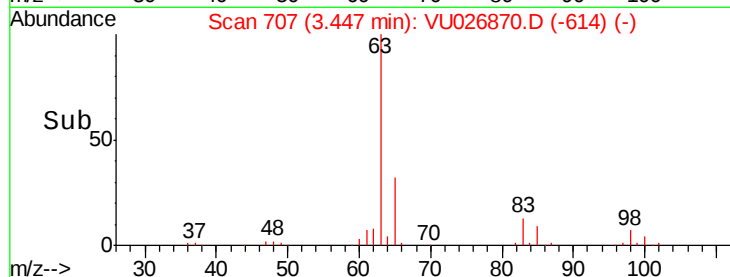
83 13.0 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU026870.D (-614) (-)

Ion 65.00 (64.70 to 65.70): VU026870.D (-614) (-)

Ion 83.00 (82.70 to 83.70): VU026870.D (-614) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.130 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

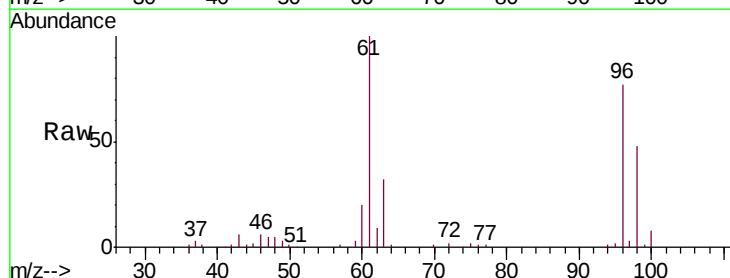
Tgt Ion: 96 Resp: 101220

Ion Ratio Lower Upper

96 100

61 129.6 90.2 167.4

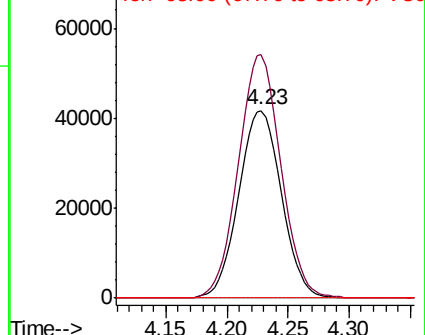
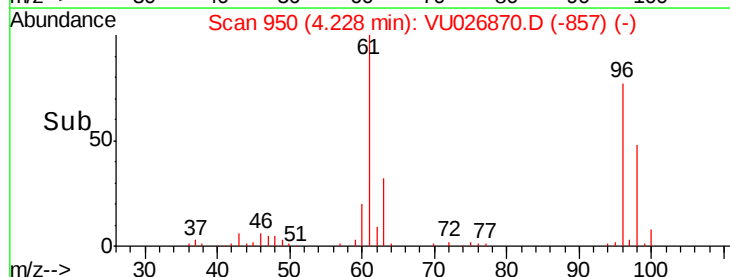
68 0.0 0.0 0.0

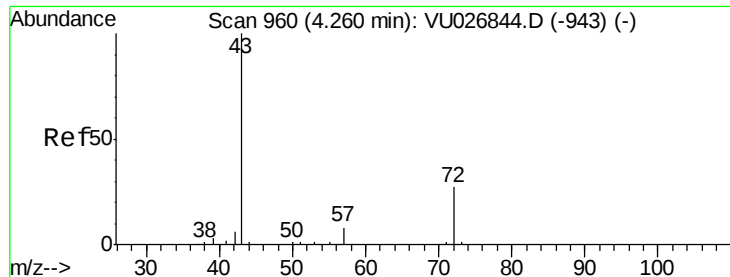


Abundance Ion 96.00 (95.70 to 96.70): VU026870.D (-857) (-)

Ion 61.00 (60.70 to 61.70): VU026870.D (-857) (-)

Ion 68.00 (67.70 to 68.70): VU026870.D (-857) (-)





#22

2-Butanone

Concen: 105.117 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

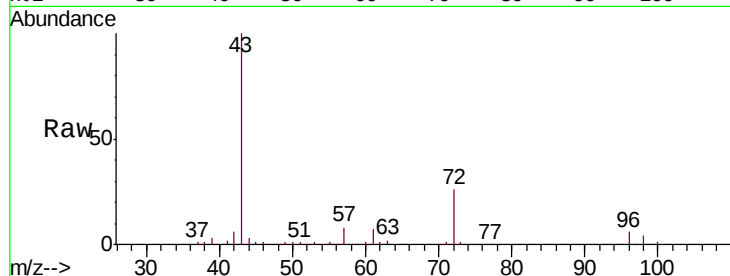
VSTD05047

Tgt Ion: 43 Resp: 154606

Ion Ratio Lower Upper

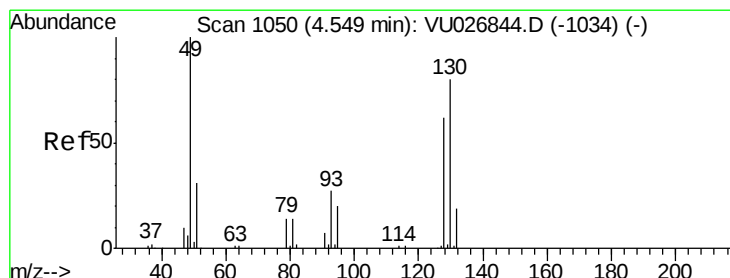
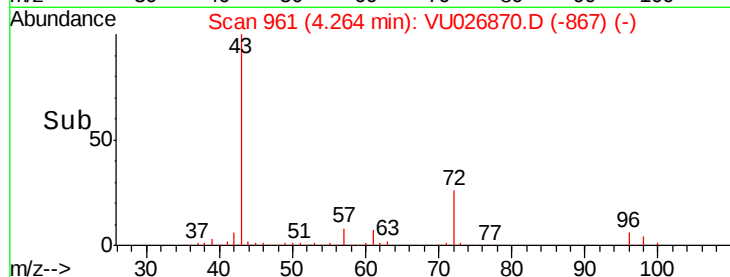
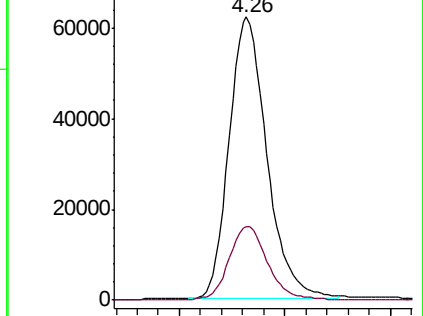
43 100

72 26.8 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026870.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU026870.D (-961) (-)



#23

Bromochloromethane

Concen: 49.844 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Tgt Ion: 128 Resp: 52256

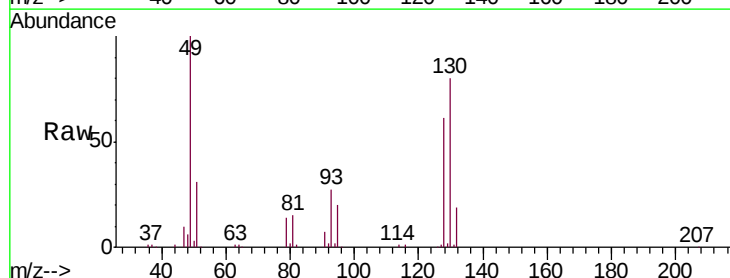
Ion Ratio Lower Upper

128 100

49 163.8 113.0 209.8

130 130.4 89.7 166.5

51 50.1 39.7 59.5

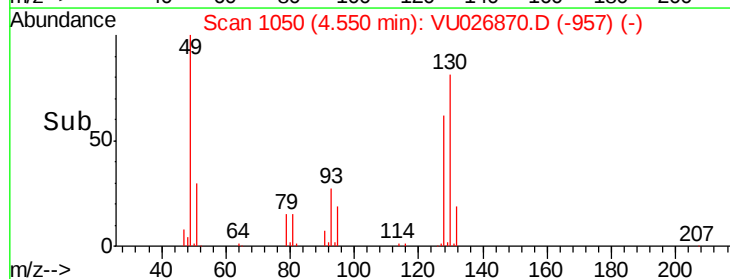
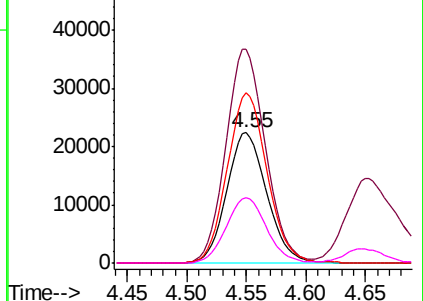


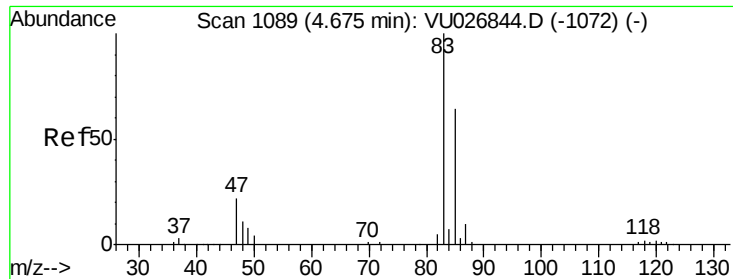
Abundance Ion 128.00 (127.70 to 128.70): VU026870.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026870.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026870.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026870.D (-957) (-)

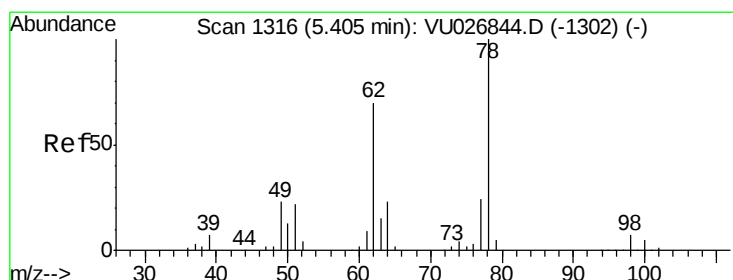
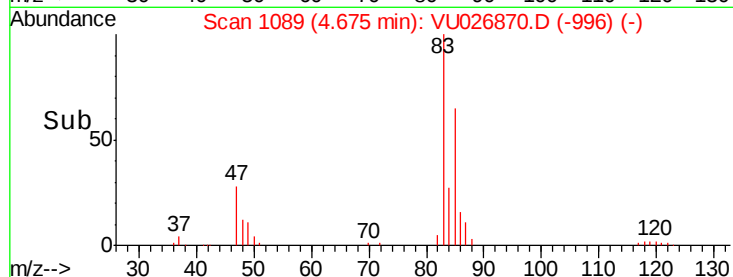
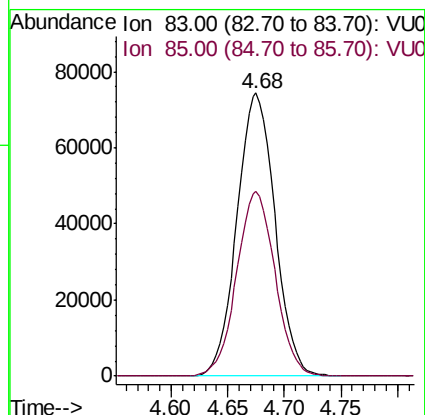
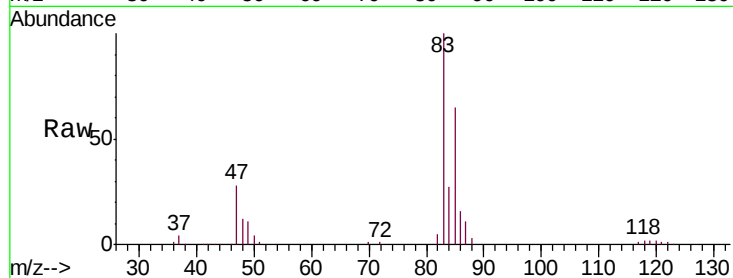




#25
Chloroform
Concen: 50.532 ug/L
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

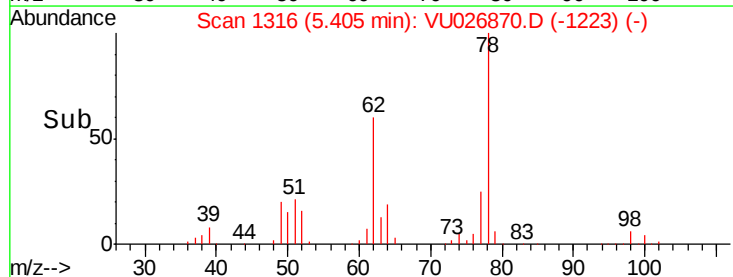
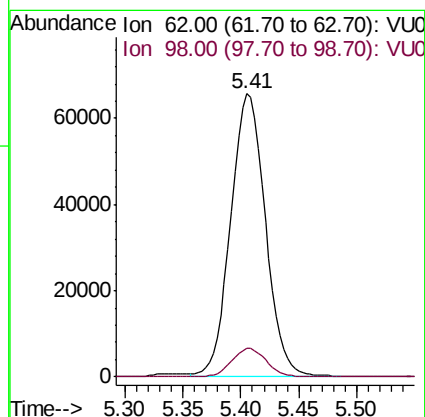
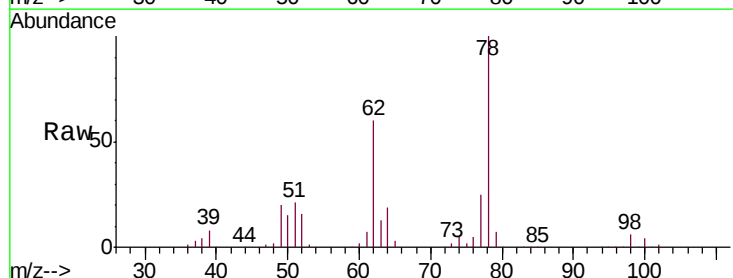
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

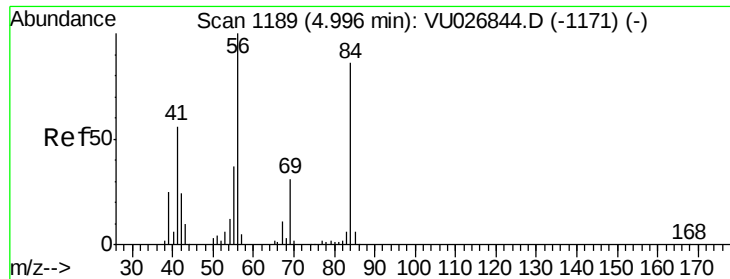
Tgt Ion: 83 Resp: 174278
Ion Ratio Lower Upper
83 100
85 65.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 50.582 ug/L
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

Tgt Ion: 62 Resp: 136133
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.4

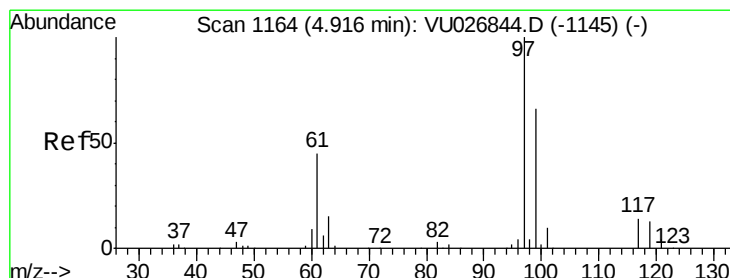
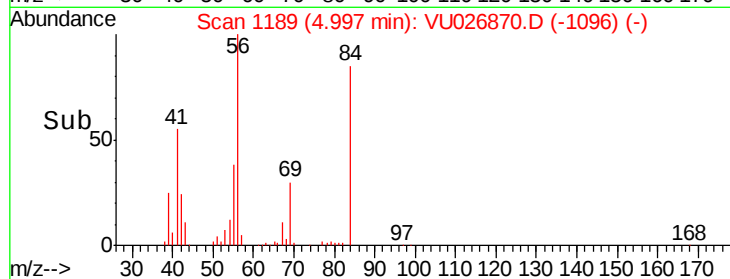
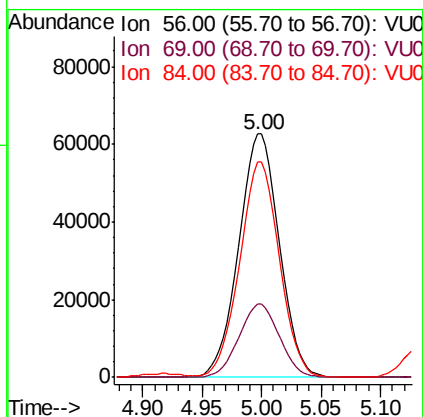
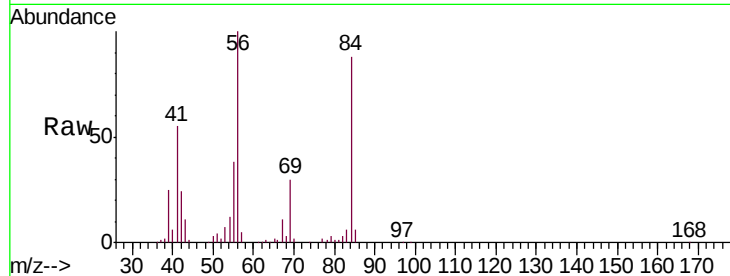




#29
Cyclohexane
Concen: 53.383 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

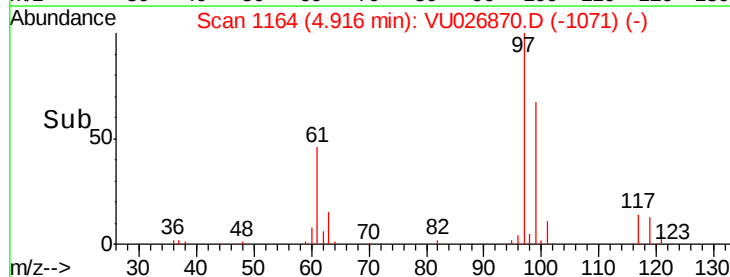
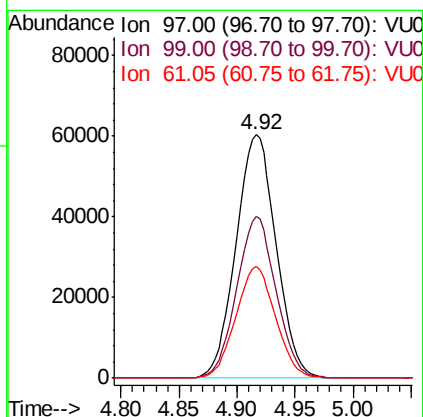
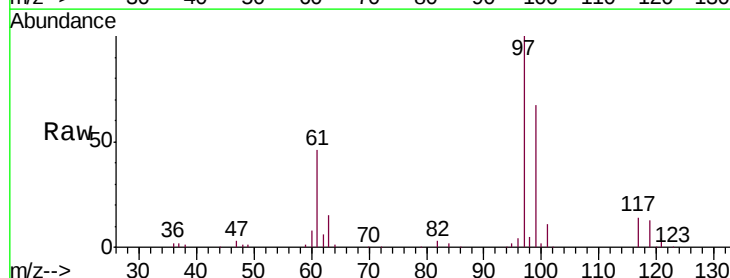
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

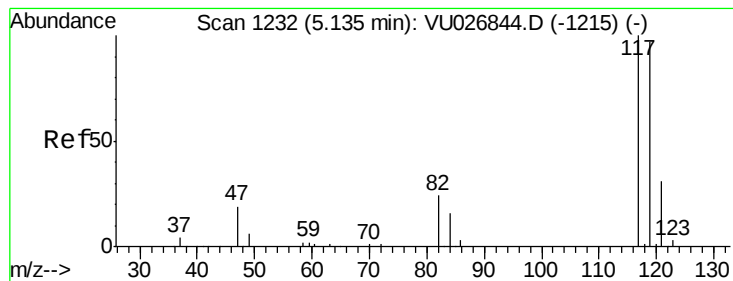
Tgt Ion: 56 Resp: 148013
Ion Ratio Lower Upper
56 100
69 30.0 23.7 35.5
84 86.7 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 51.079 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

Tgt Ion: 97 Resp: 145112
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.8
61 45.3 36.6 54.8





#31

Carbon tetrachloride

Concen: 50.463 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

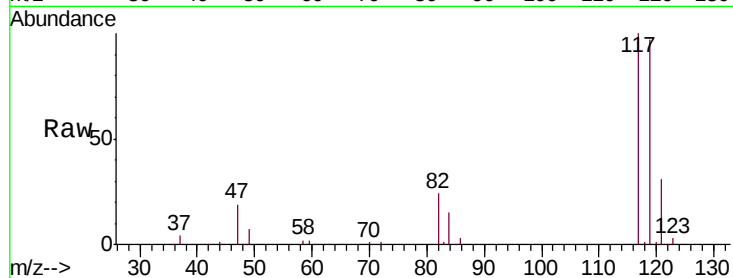
VSTD05047

Tgt Ion:117 Resp: 128470

Ion Ratio Lower Upper

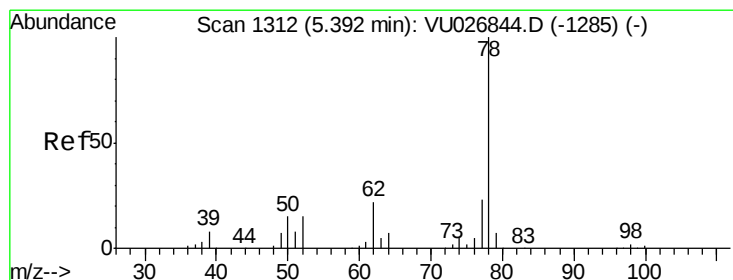
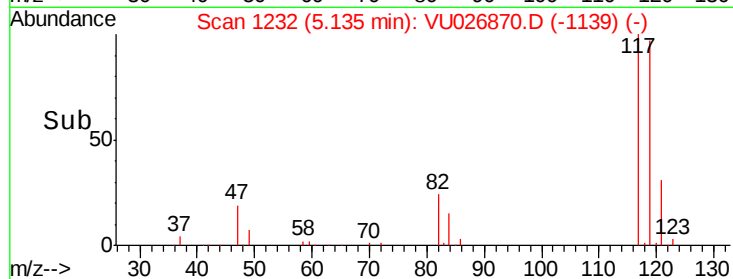
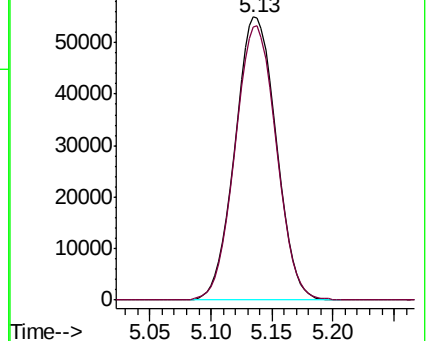
117 100

119 97.1 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.556 ug/L

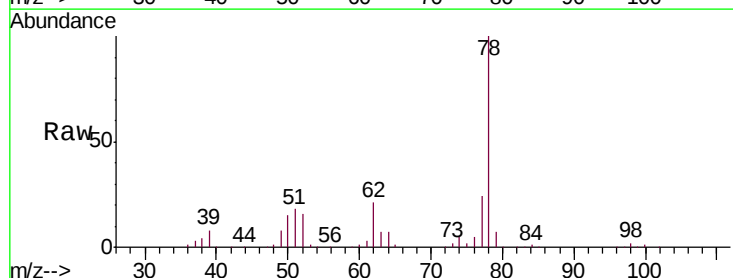
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

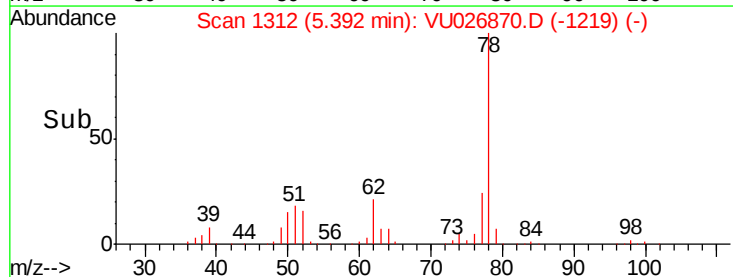
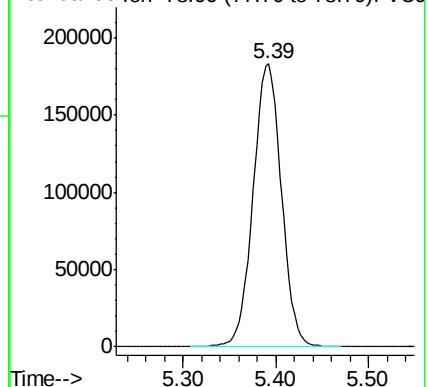
Lab File: VU026870.D

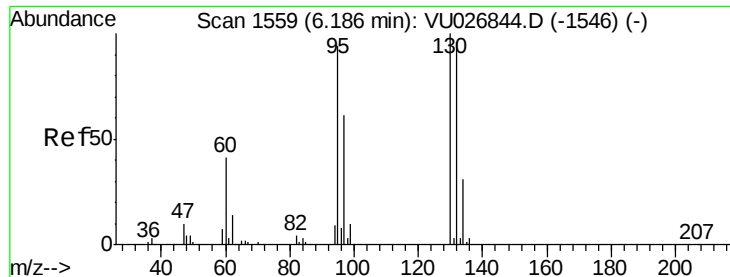
Acq: 18 Sep 2018 18:20

Tgt Ion: 78 Resp: 389111



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.535 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 95 Resp: 91558

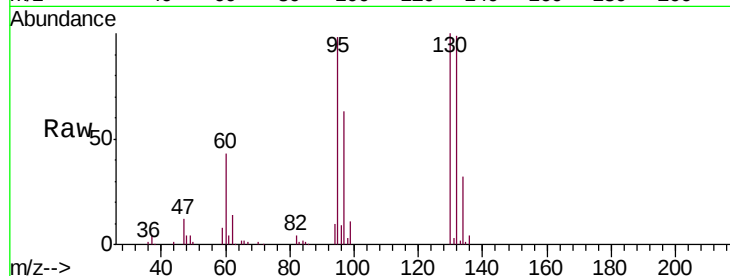
Ion Ratio Lower Upper

95 100

97 63.9 46.3 85.9

132 100.5 71.7 133.1

130 101.5 75.3 139.8

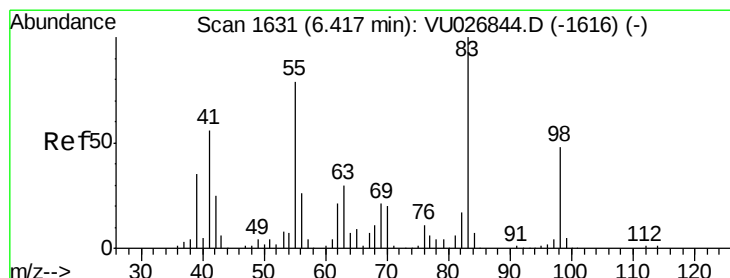
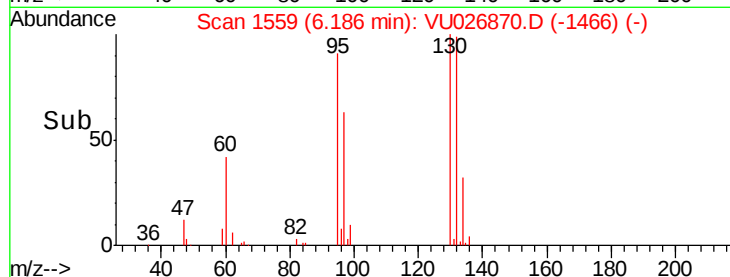
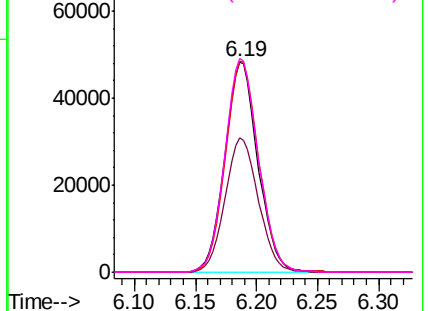


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.069 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

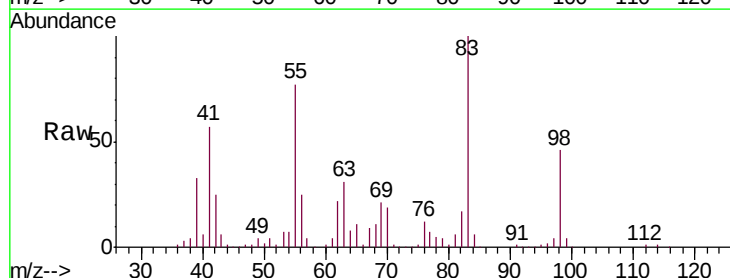
Tgt Ion: 83 Resp: 147897

Ion Ratio Lower Upper

83 100

55 78.9 61.7 92.5

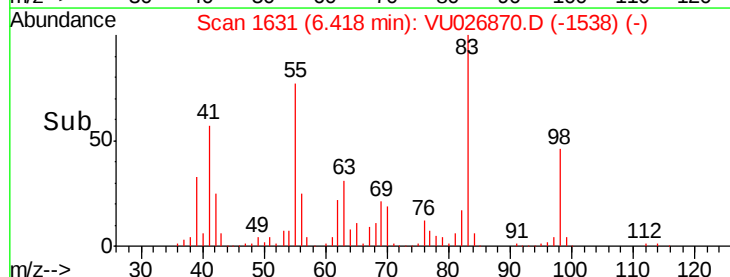
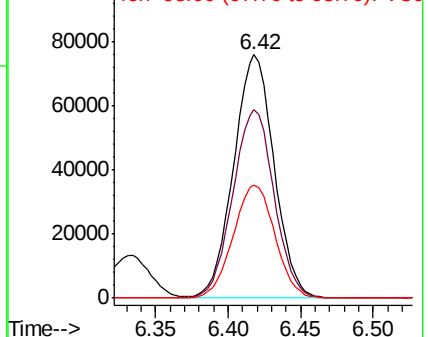
98 47.8 38.3 57.5

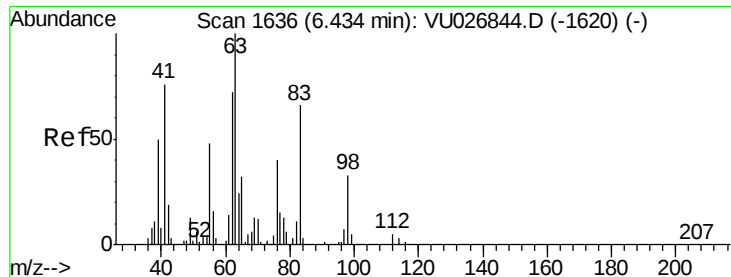


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.258 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

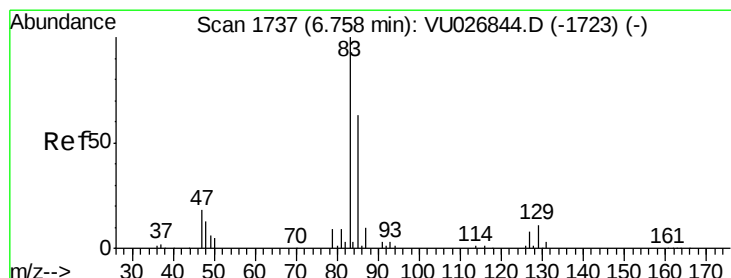
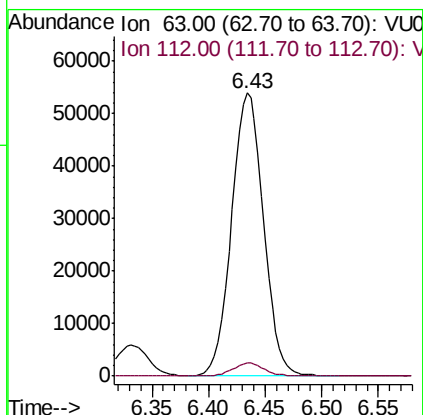
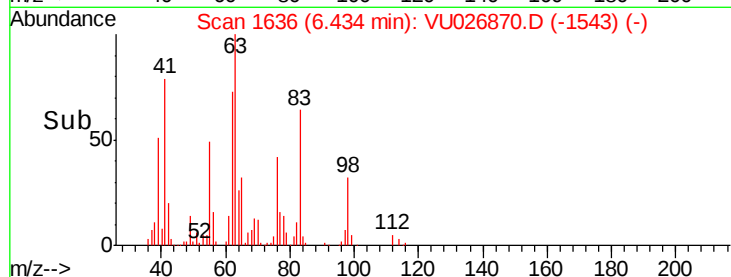
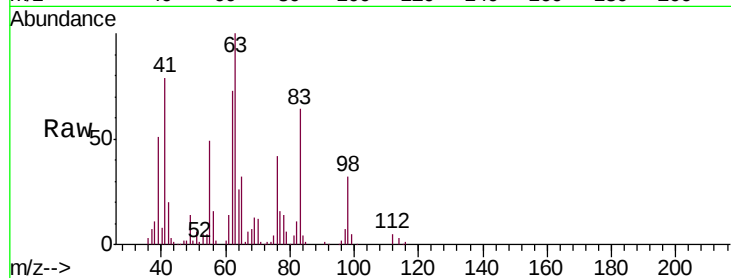
VSTD05047

Tgt Ion: 63 Resp: 106282

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 50.802 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

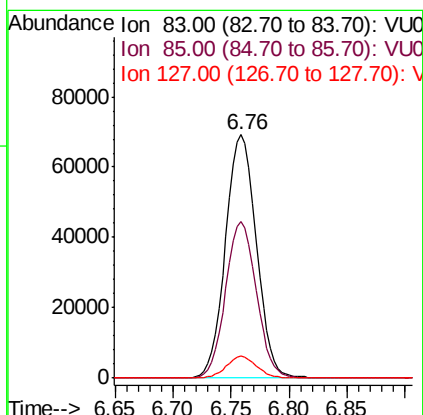
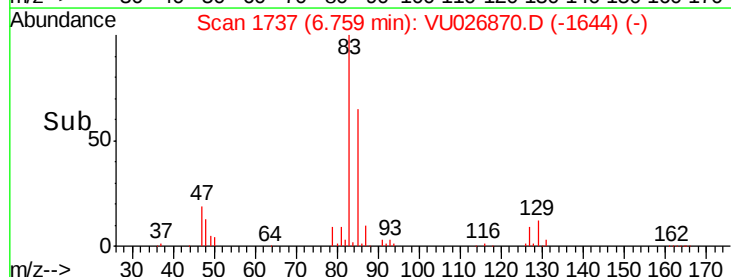
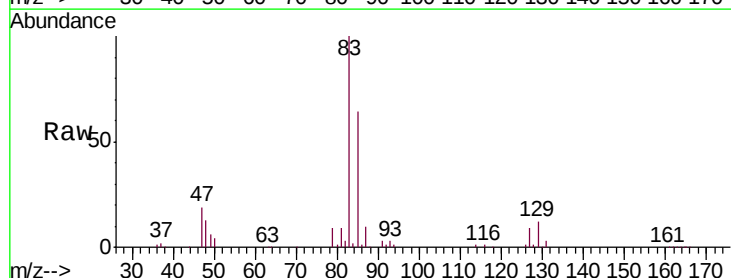
Tgt Ion: 83 Resp: 128131

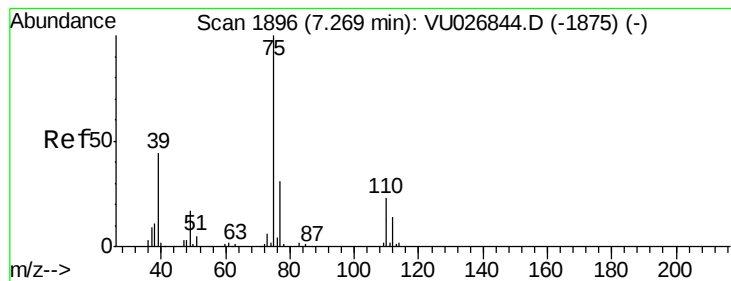
Ion Ratio Lower Upper

83 100

85 64.2 44.5 82.7

127 9.0 6.9 10.3



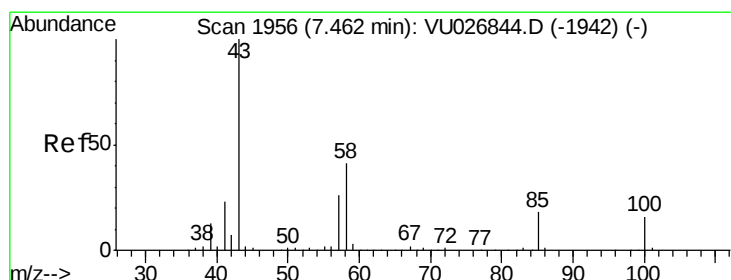
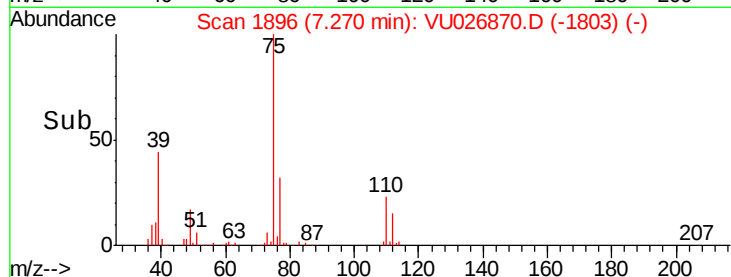
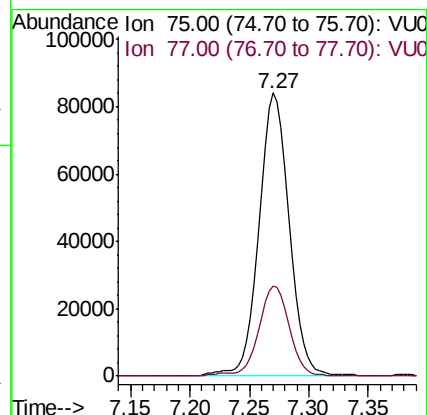
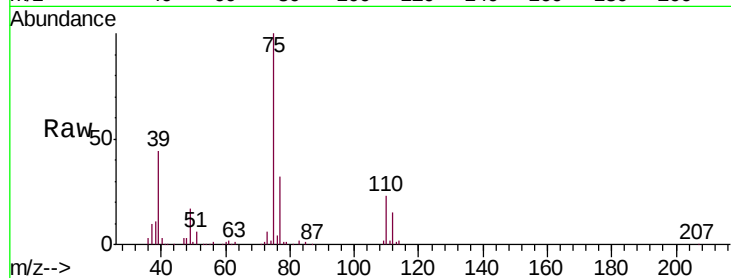


#39

cis-1,3-Dichloropropene
 Concen: 51.620 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

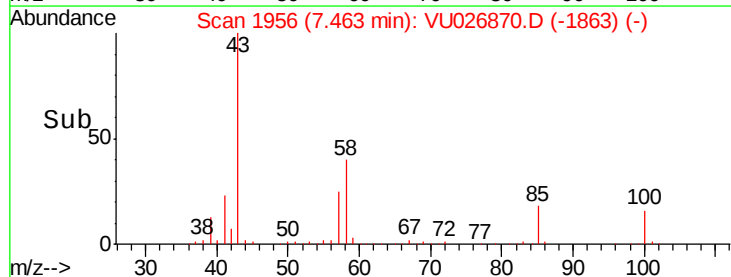
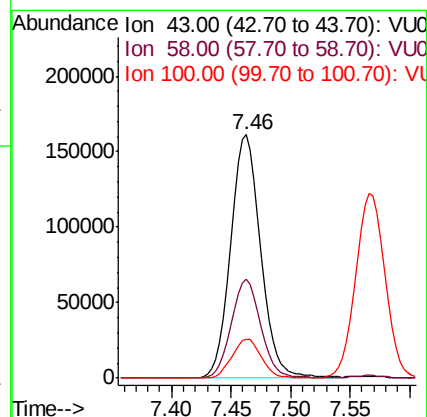
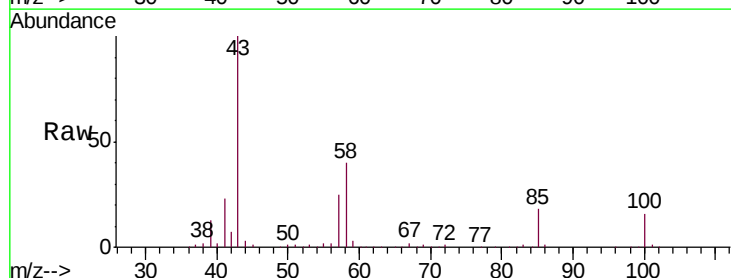
Tgt Ion: 75 Resp: 148302
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1

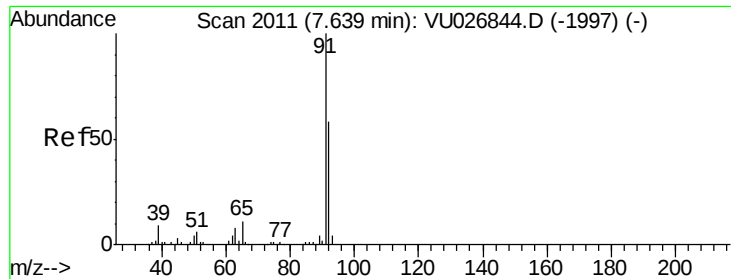


#40

4-Methyl-2-pentanone
 Concen: 116.808 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Tgt Ion: 43 Resp: 282277
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.0 48.0
 100 15.8 12.6 19.0





#42

Toluene

Concen: 53.482 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

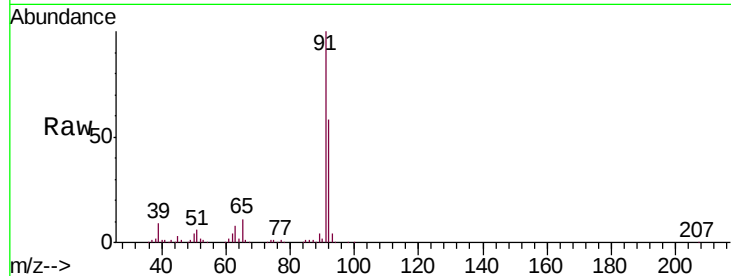
VSTD05047

Tgt Ion: 91 Resp: 400704

Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU026844.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026844.D (-1997) (-)

7.64

250000

200000

150000

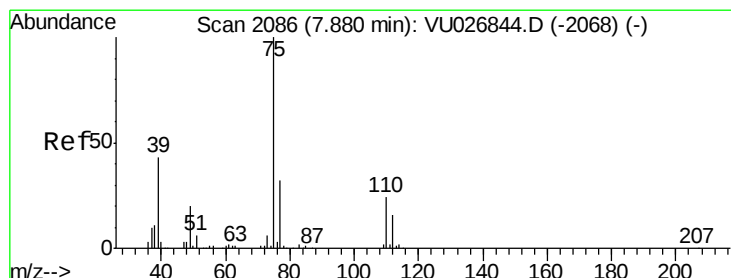
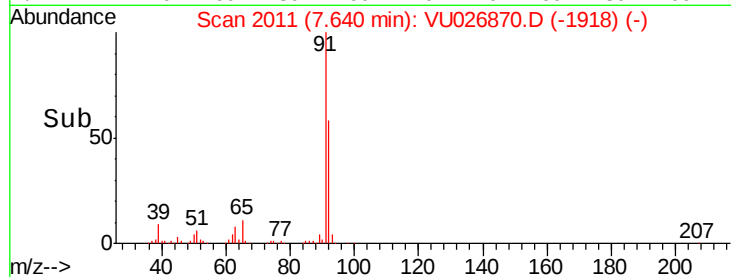
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.600 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU026870.D

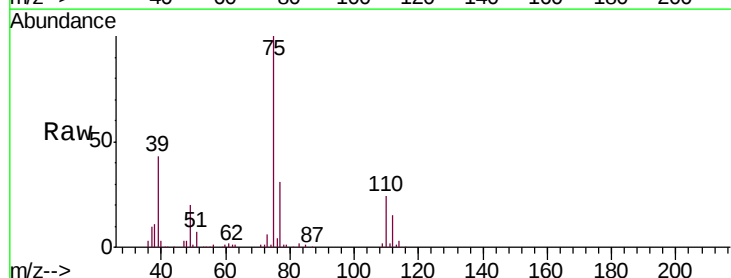
Acq: 18 Sep 2018 18:20

Tgt Ion: 75 Resp: 138804

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU026844.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU026844.D (-2068) (-)

7.88

80000

60000

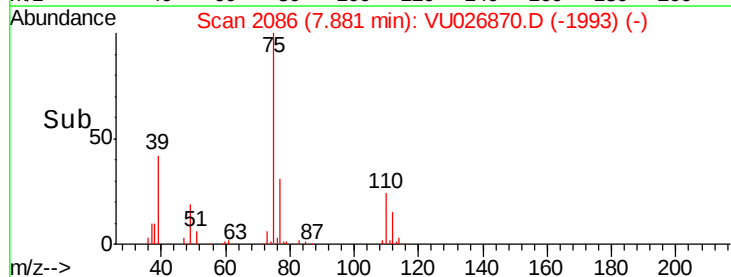
40000

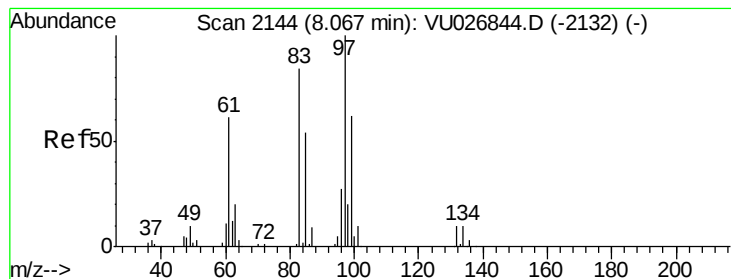
20000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.357 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 97 Resp: 95228

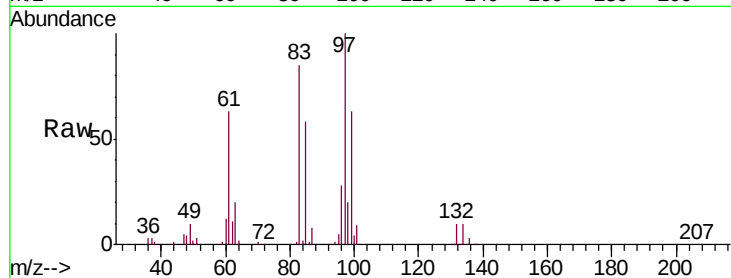
Ion Ratio Lower Upper

97 100

99 63.2 44.3 82.3

83 85.1 61.5 114.1

85 57.6 38.6 71.6

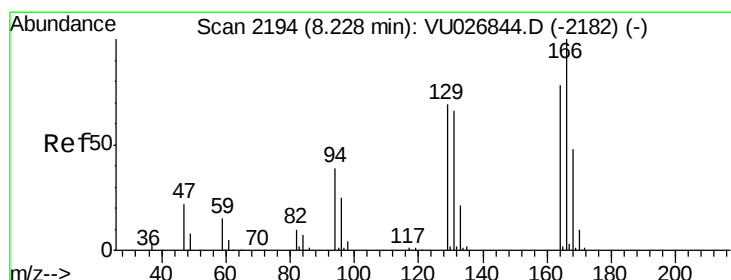
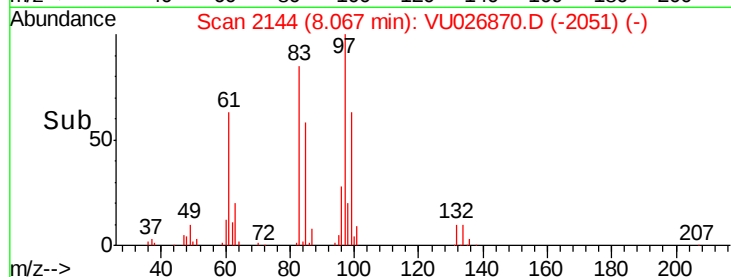
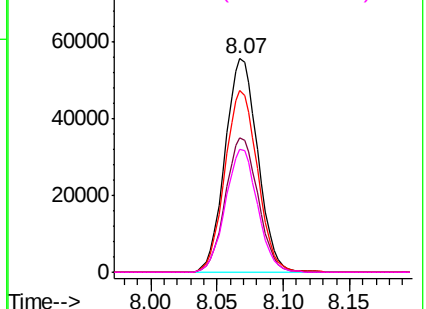


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.840 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Tgt Ion: 164 Resp: 80071

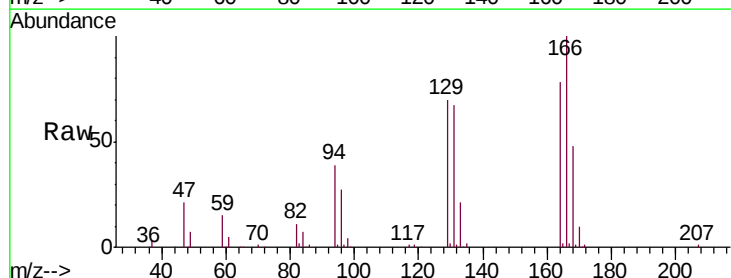
Ion Ratio Lower Upper

164 100

129 89.2 62.2 115.4

131 85.4 60.5 112.5

166 128.1 89.0 165.2

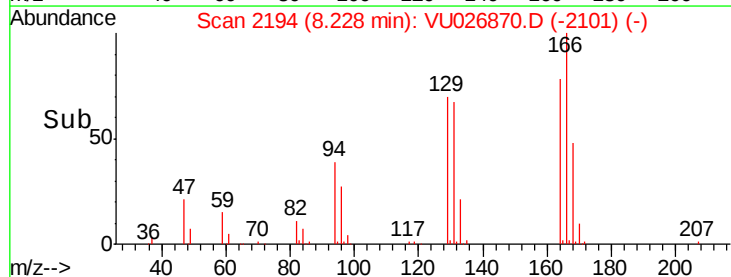
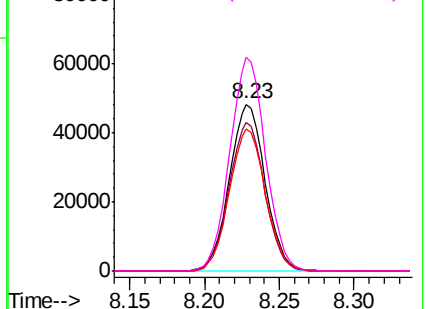


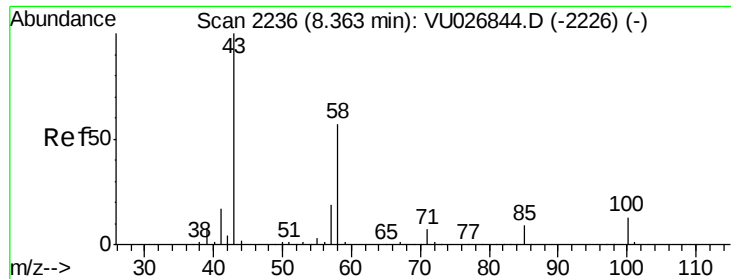
Abundance Ion 164.00 (163.70 to 164.70): V

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

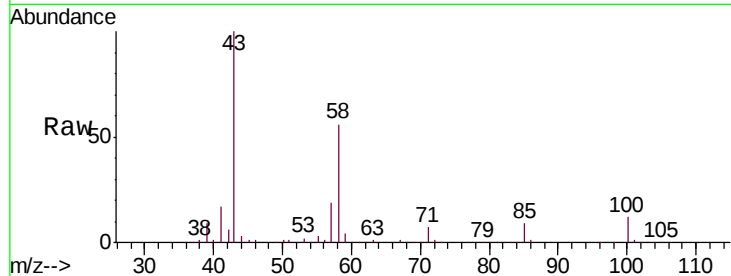




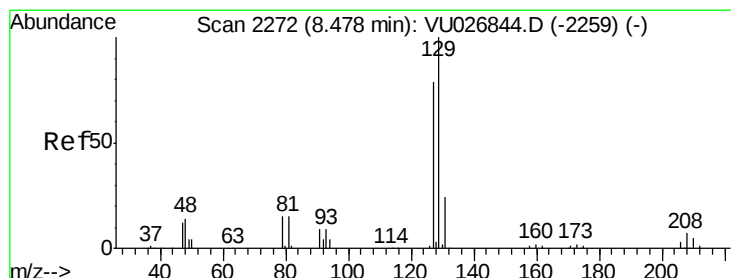
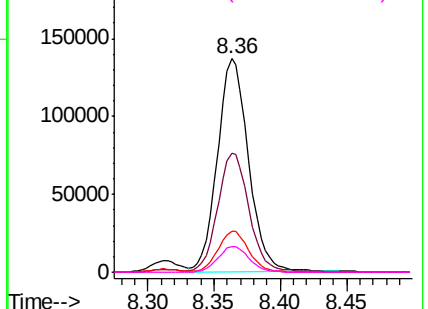
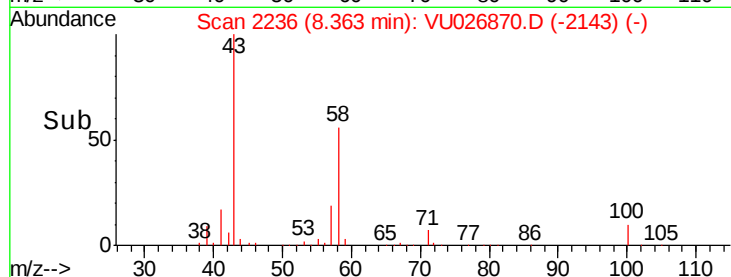
#48
2-Hexanone
Concen: 114.167 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion:	43	Resp:	222546
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.9	67.3
57	19.0	15.4	23.2
100	12.4	10.2	15.4

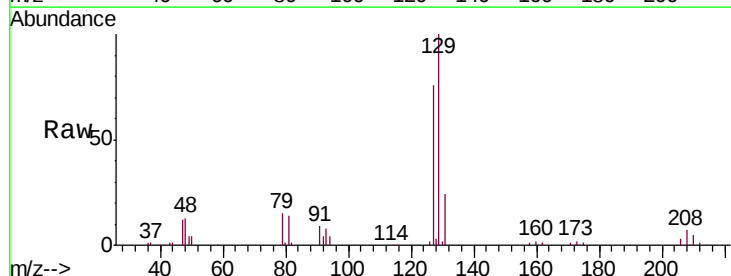


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

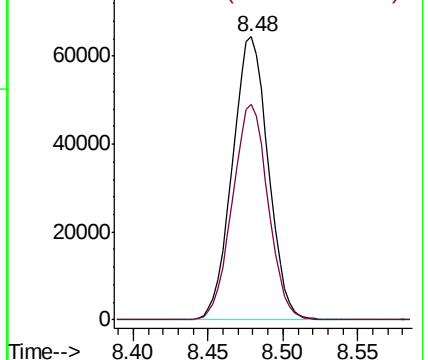
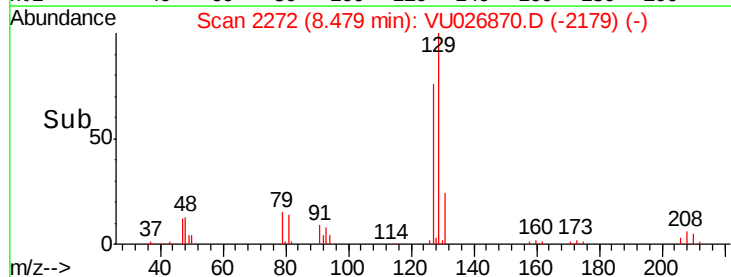


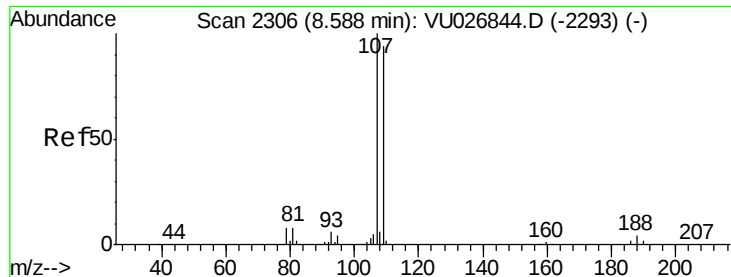
#49
Dibromochloromethane
Concen: 51.330 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

Tgt Ion:	129	Resp:	107737
Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

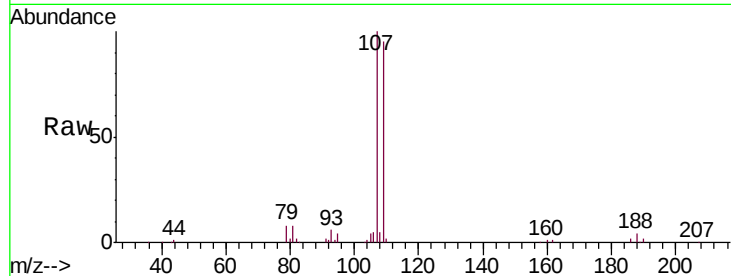




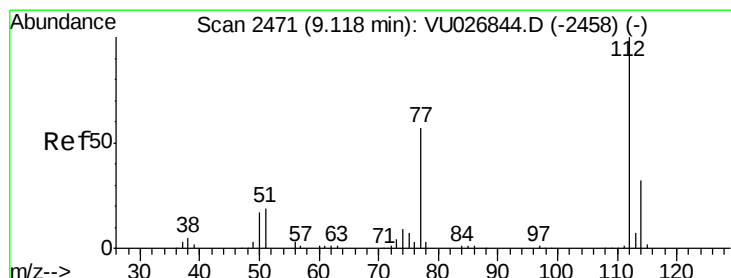
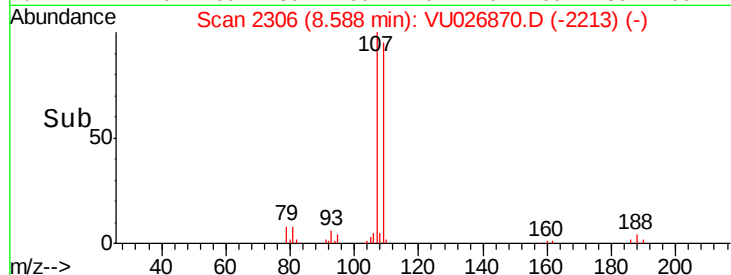
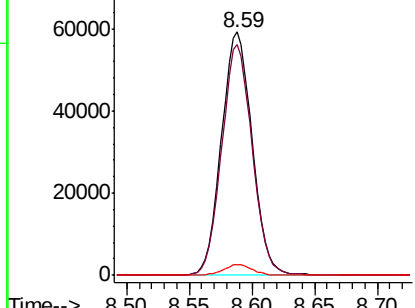
#50
 1,2-Dibromoethane
 Concen: 51.870 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	67.8	125.8
188	4.4	3.2	4.8

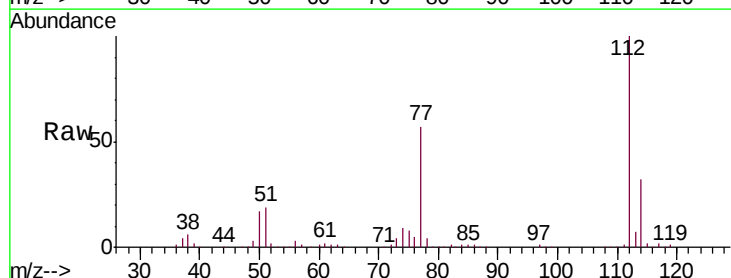


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

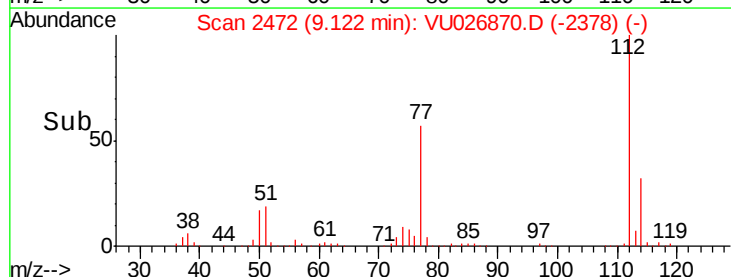
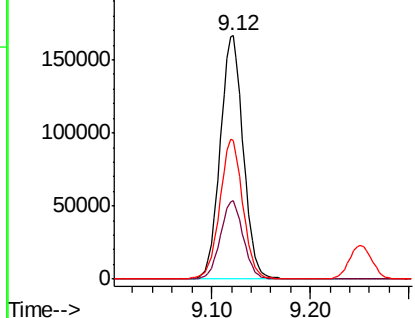


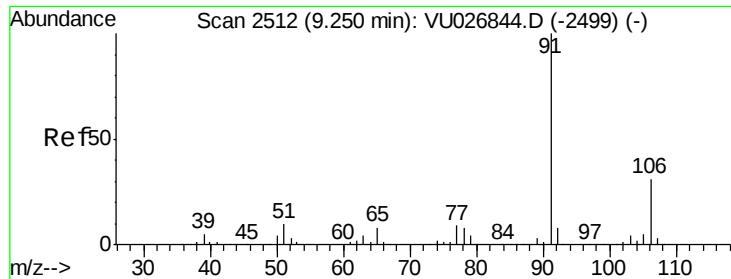
#51
 Chlorobenzene
 Concen: 53.732 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	56.7	45.1	67.7



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 53.844 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

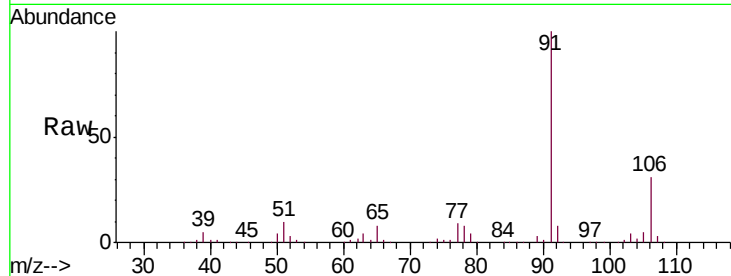
VSTD05047

Tgt Ion: 91 Resp: 422581

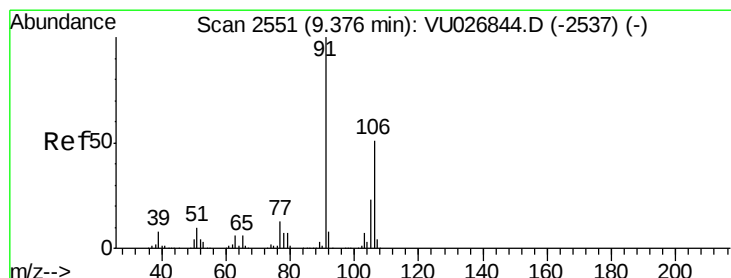
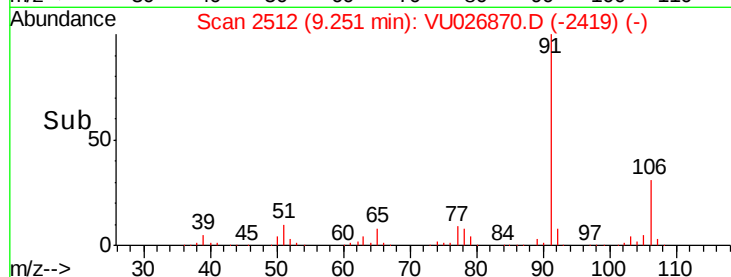
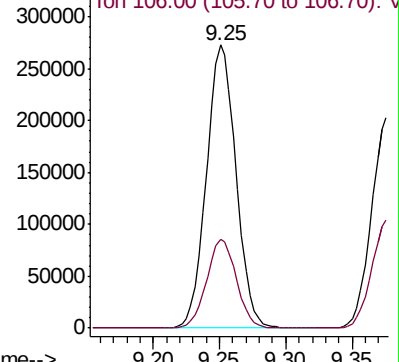
Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU026844.D (-2499) (-)



#53

m,p-Xylene

Concen: 55.002 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026870.D

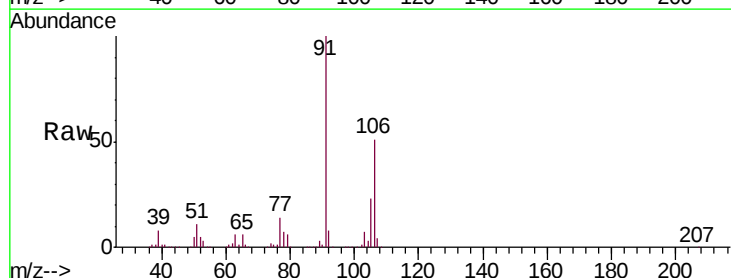
Acq: 18 Sep 2018 18:20

Tgt Ion: 106 Resp: 165944

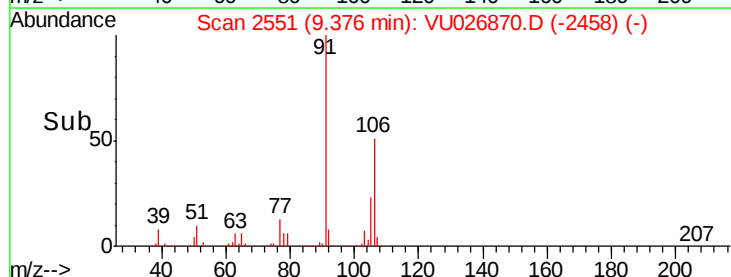
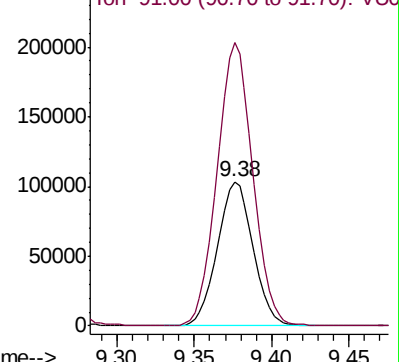
Ion Ratio Lower Upper

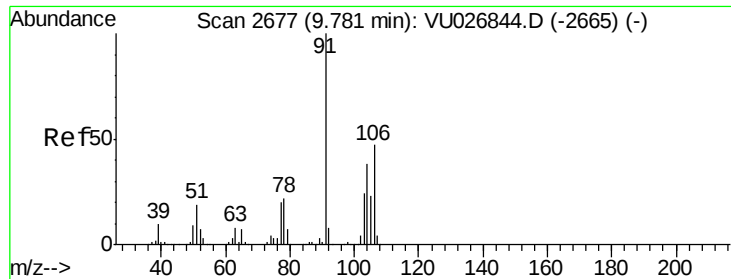
106 100

91 196.1 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VU026870.D (-2419) (-)

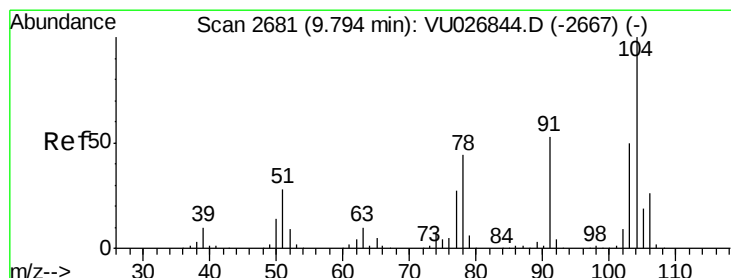
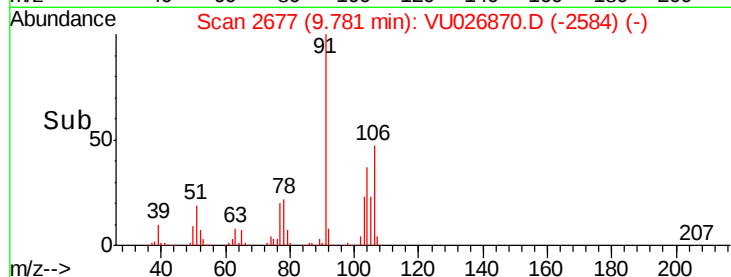
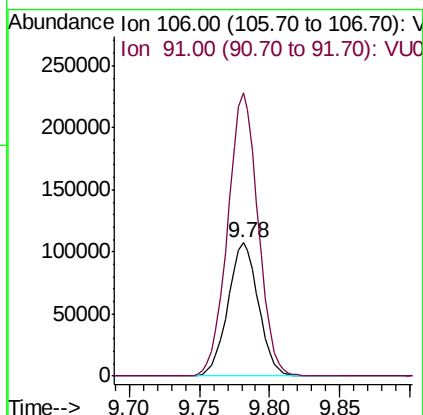
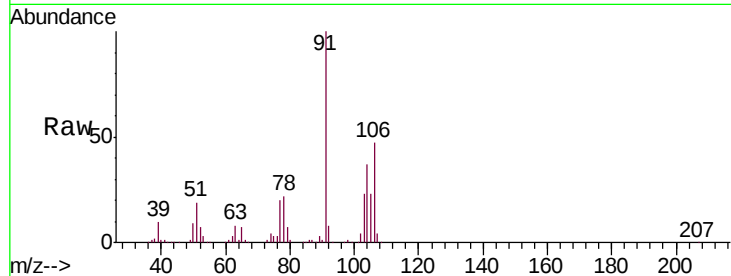




#54
o-xylene
Concen: 55.224 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

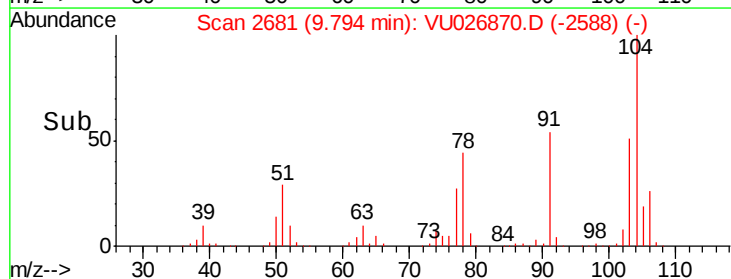
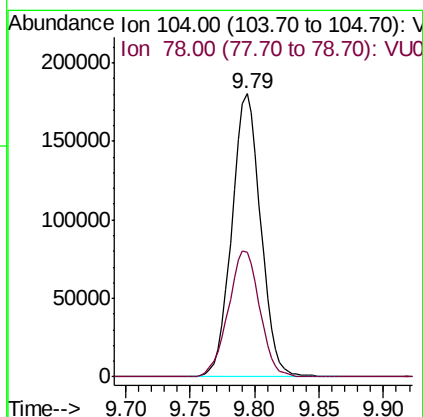
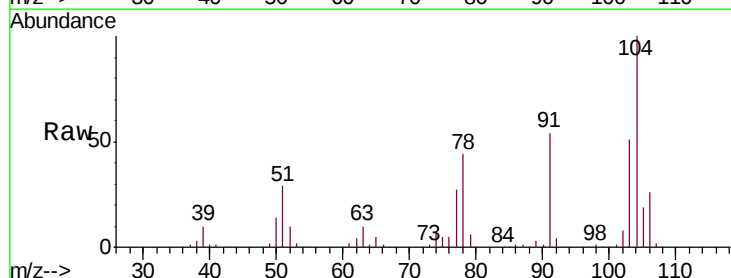
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

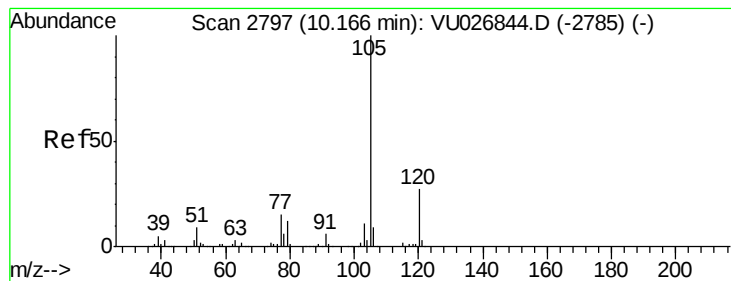
Tgt Ion:106 Resp: 162339
Ion Ratio Lower Upper
106 100
91 212.7 143.1 265.9



#55
Styrene
Concen: 55.343 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026870.D
Acq: 18 Sep 2018 18:20

Tgt Ion:104 Resp: 280881
Ion Ratio Lower Upper
104 100
78 44.0 30.5 56.7





#56

Isopropylbenzene

Concen: 55.049 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

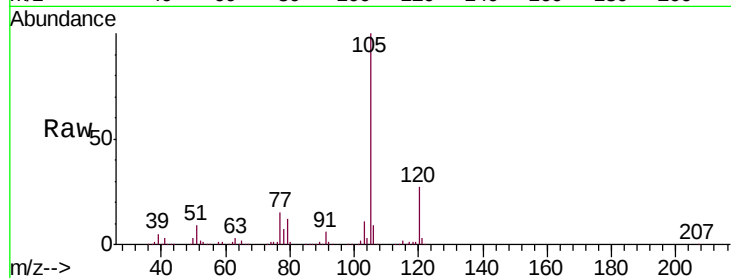
Tgt Ion: 105 Resp: 413367

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

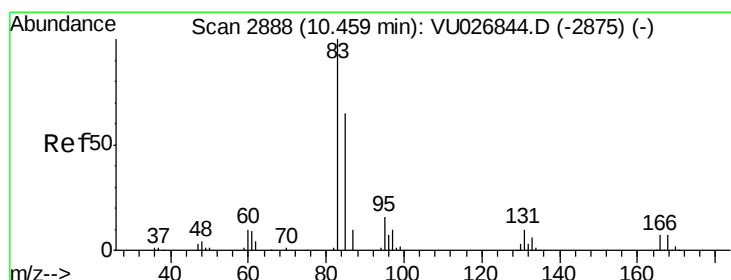
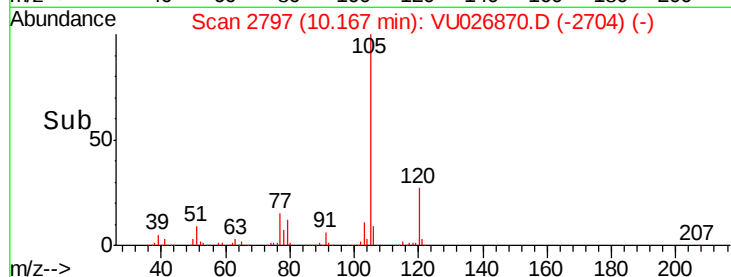
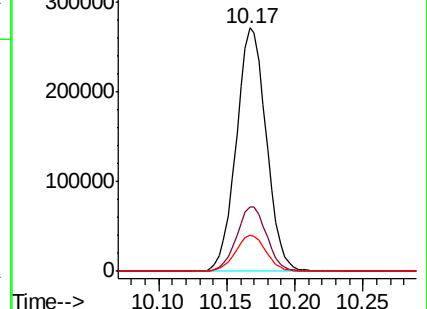
77 15.1 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.946 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

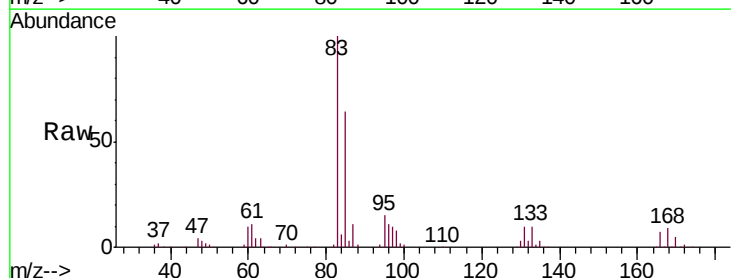
Tgt Ion: 83 Resp: 162004

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2

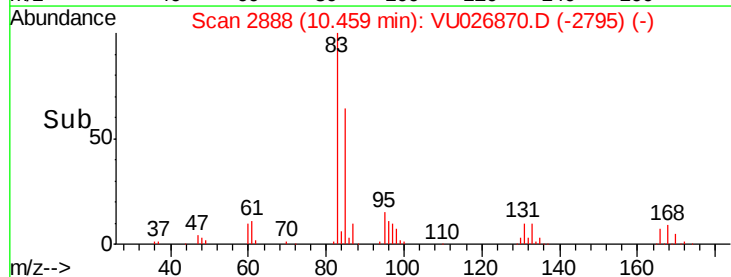
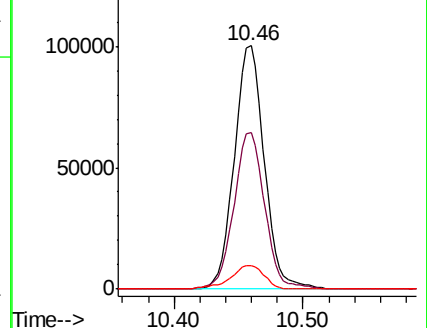
131 9.8 7.9 11.9

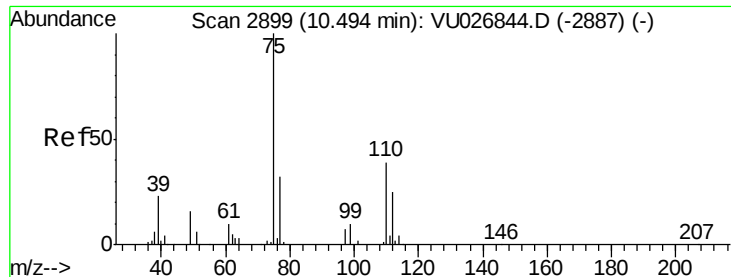


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.046 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

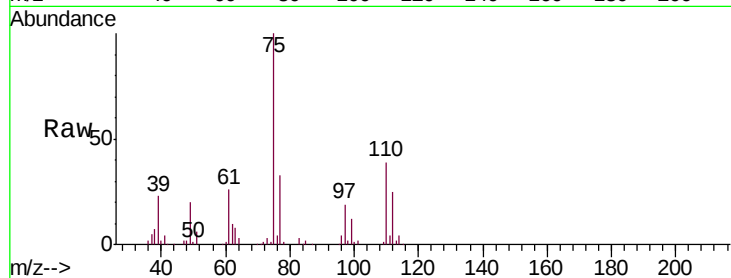
VSTD05047

Tgt Ion: 75 Resp: 126792

Ion Ratio Lower Upper

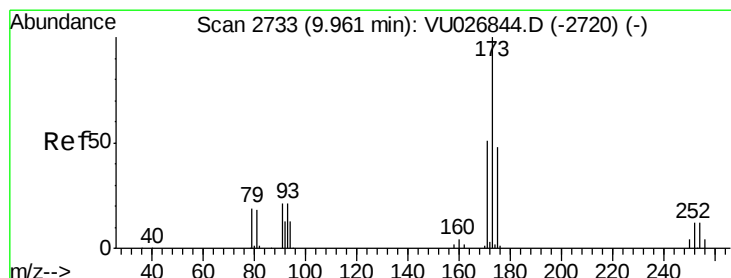
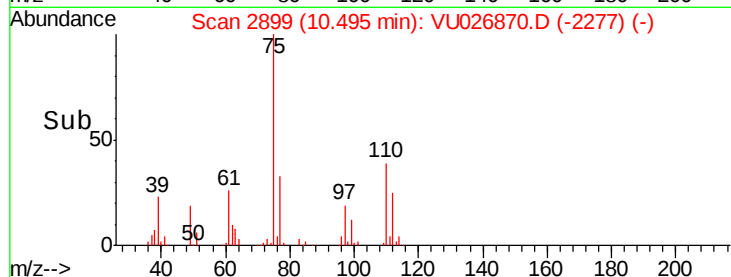
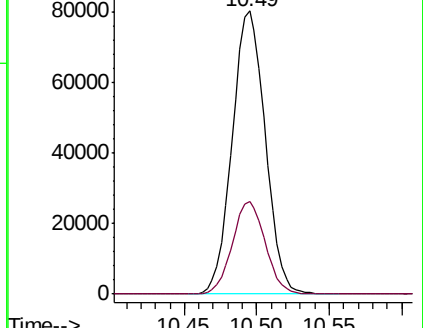
75 100

77 32.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU026844.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026844.D (-2887) (-)



#61

Bromoform

Concen: 50.436 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

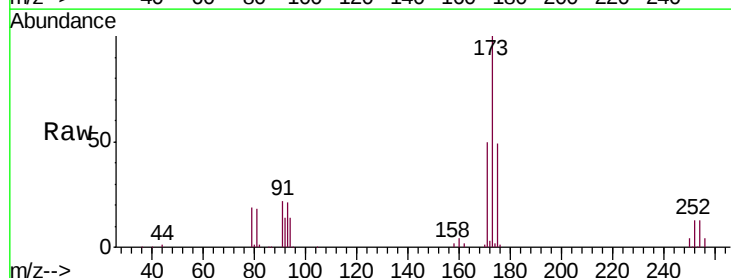
Tgt Ion: 173 Resp: 80342

Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

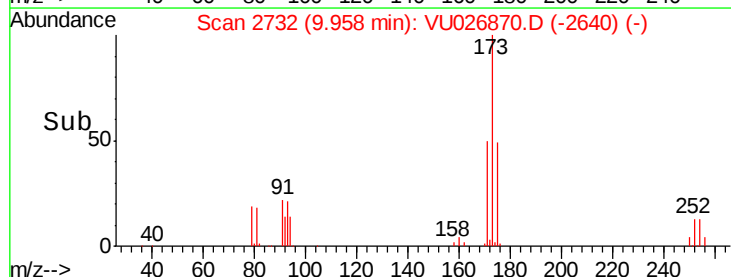
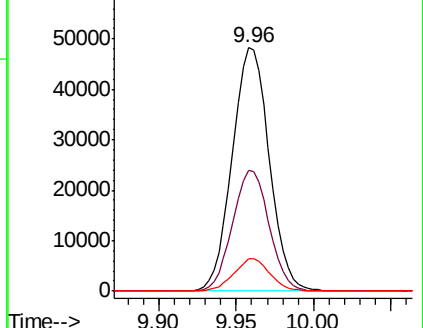
254 12.9 9.4 14.2

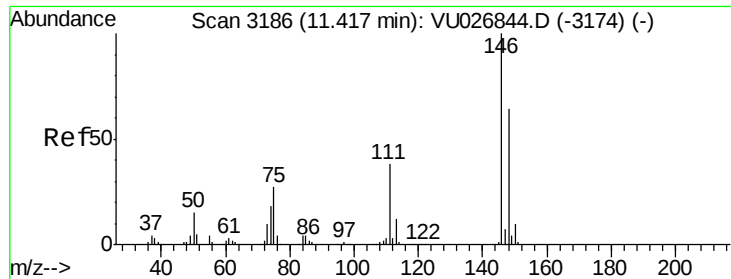


Abundance Ion 173.00 (172.70 to 173.70): VU026844.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU026844.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU026844.D (-2720) (-)





#62

1,3-Dichlorobenzene

Concen: 52.970 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

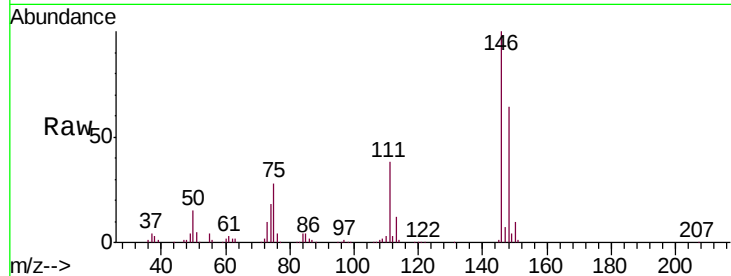
Tgt Ion:146 Resp: 195605

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.7

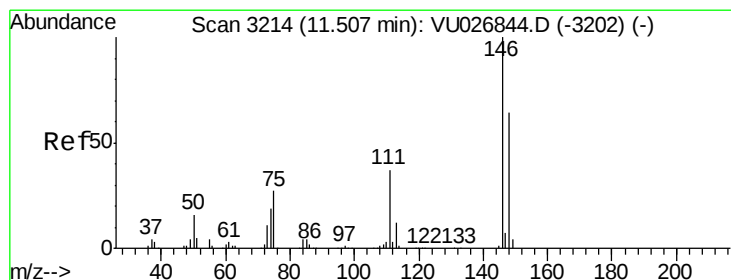
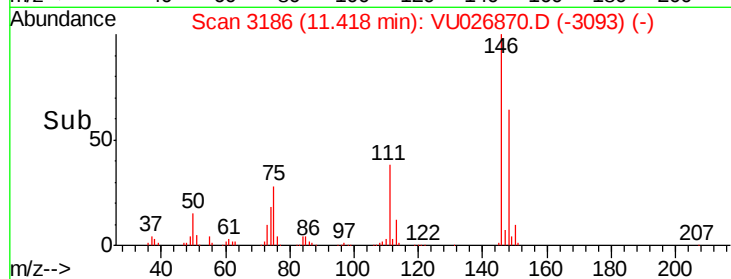
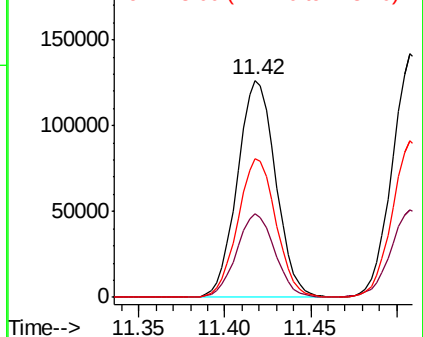
148 64.1 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 53.415 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

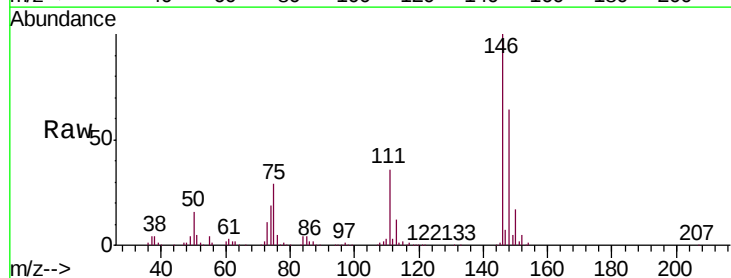
Tgt Ion:146 Resp: 217200

Ion Ratio Lower Upper

146 100

111 36.2 26.0 48.2

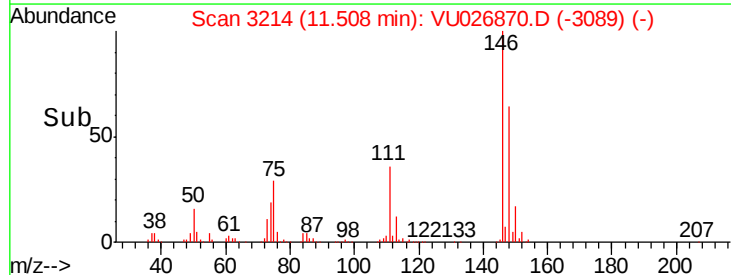
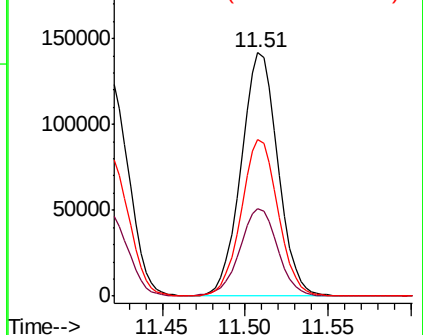
148 64.3 45.8 85.2

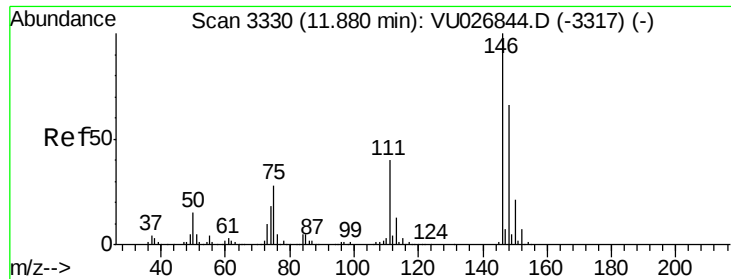


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

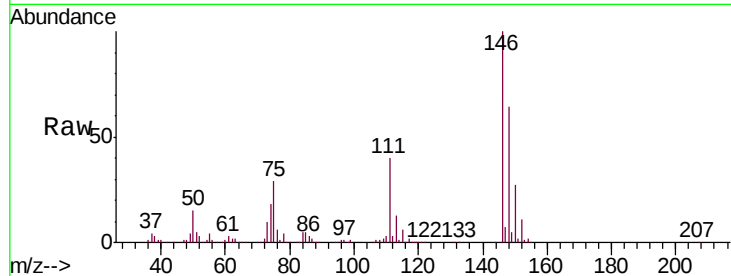




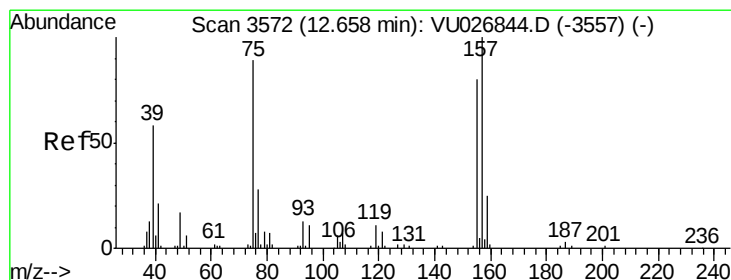
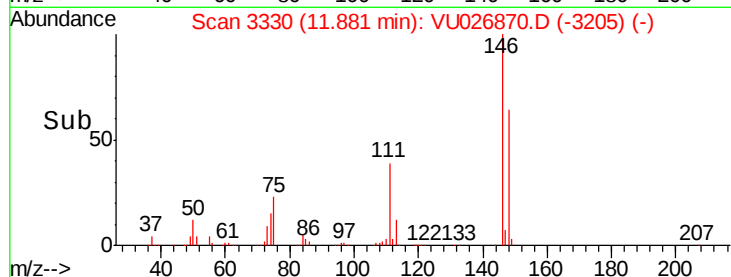
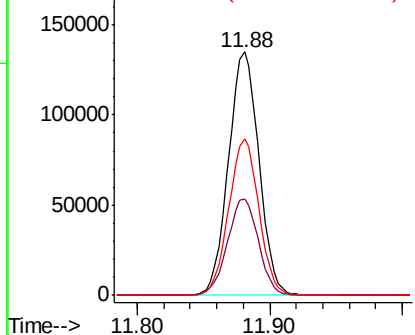
#65
 1,2-Dichlorobenzene
 Concen: 52.739 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion:146 Resp: 215643
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.4 47.0
 148 64.2 51.4 77.2

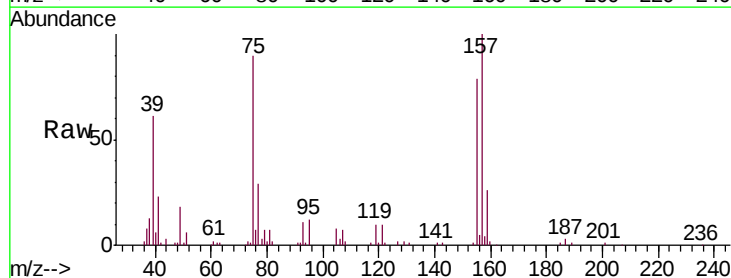


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

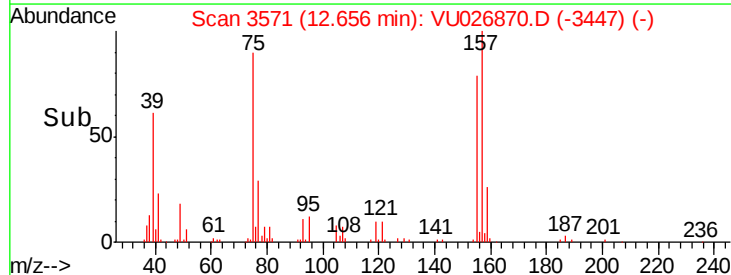
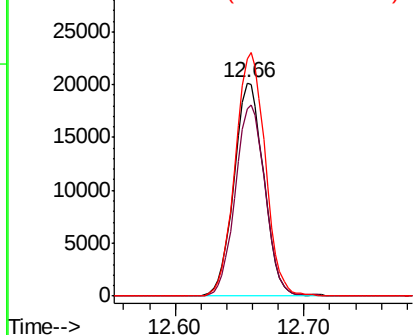


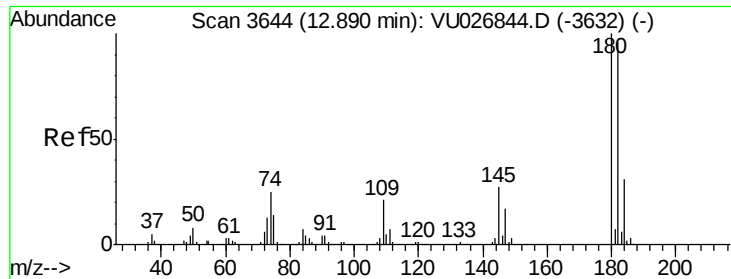
#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.365 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Tgt Ion: 75 Resp: 32483
 Ion Ratio Lower Upper
 75 100
 155 87.9 69.5 104.3
 157 111.4 90.5 135.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

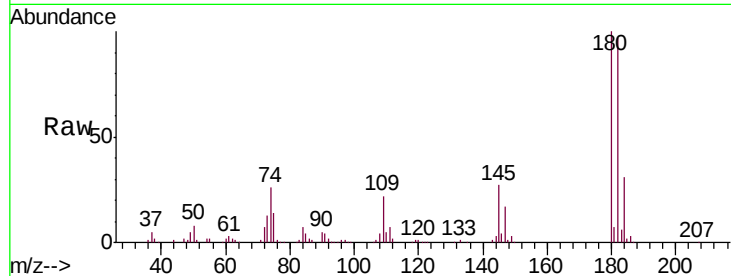




#67
 1,3,5-Trichlorobenzene
 Concen: 51.780 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
184	30.8	24.2	36.4
145	27.1	21.8	32.6



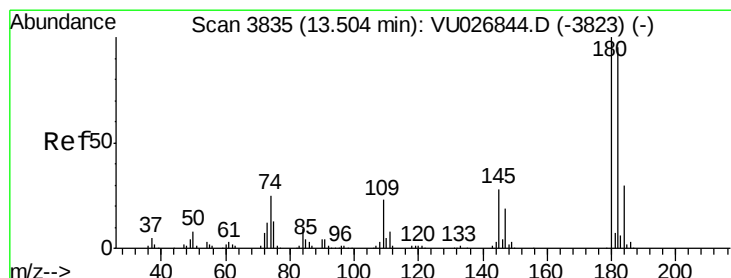
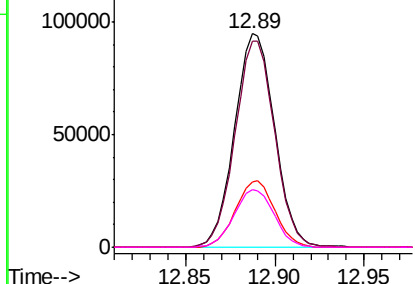
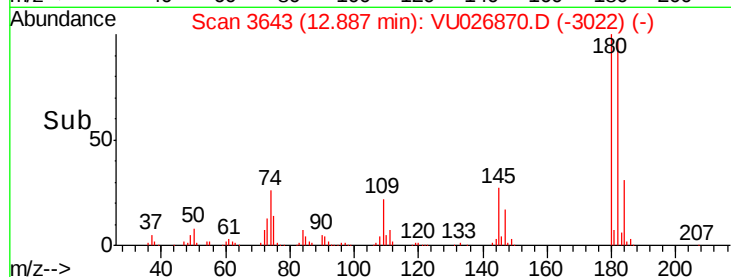
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

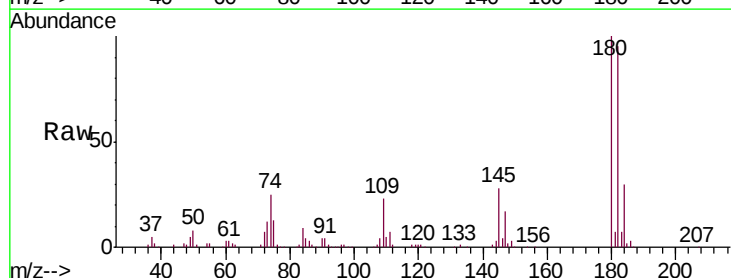
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.825 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026870.D
 Acq: 18 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
145	27.4	22.2	33.2

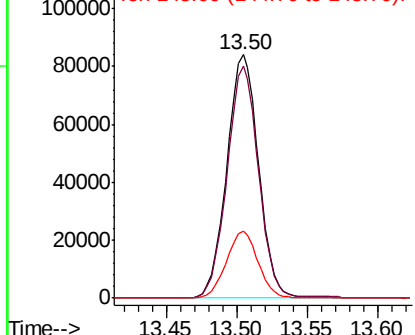
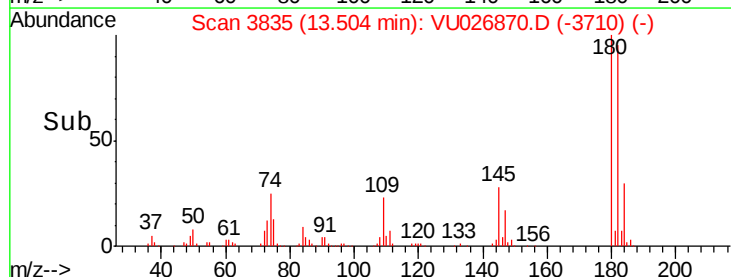


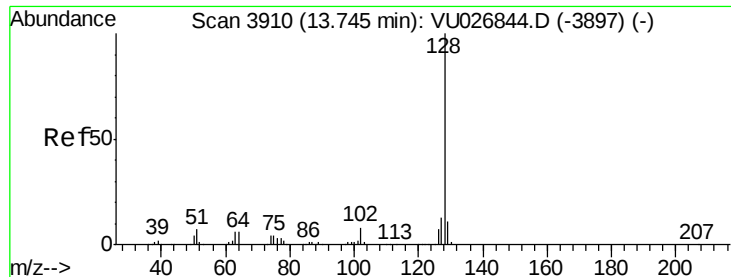
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 57.499 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

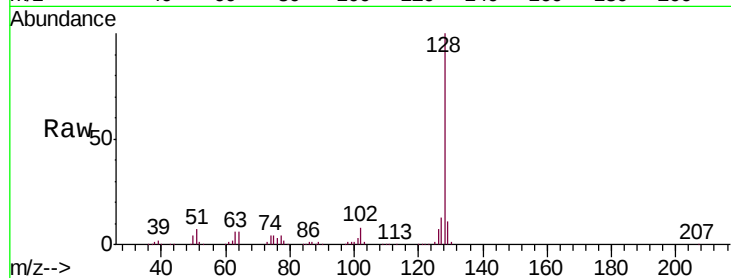
Tgt Ion:128 Resp: 417139

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

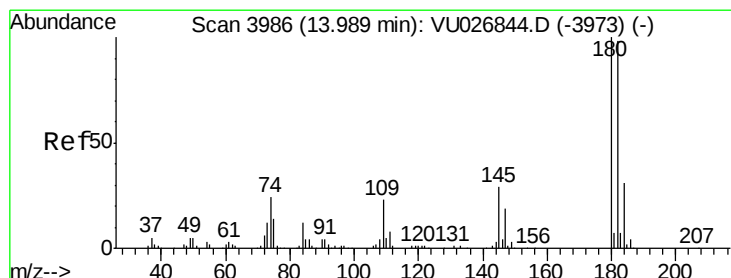
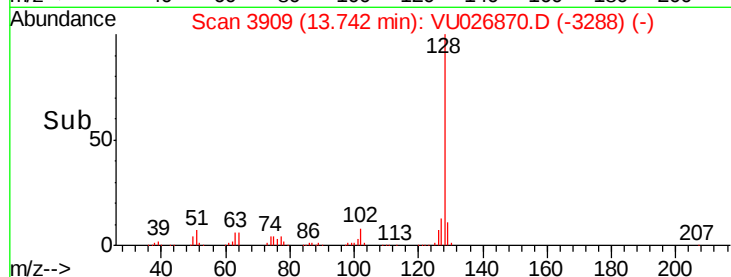
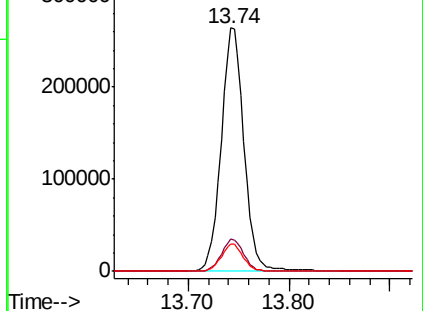
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.516 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026870.D

Acq: 18 Sep 2018 18:20

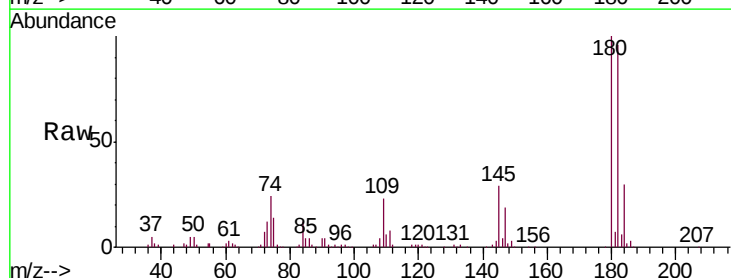
Tgt Ion:180 Resp: 147834

Ion Ratio Lower Upper

180 100

182 95.4 75.6 113.4

145 28.9 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

