

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
 Data File : VU027707.D
 Acq On : 18 Oct 2018 19:54
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Quant Time: Oct 19 08:15:57 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	71423	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	67779	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	33981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28575	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.68	69	20856	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.28	63	49226	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.21	46	82433	51.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.16%
24) Chloroform-d	4.65	84	44699	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.31	65	24867	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.34	84	92709	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.33	67	31737	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.57	98	87331	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.85	79	13177	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.32	63	69805	50.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23869	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	32431	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	27909	4.787 ug/L	100
3) Chloromethane	1.33	50	32317	4.655 ug/L	99
5) Vinyl chloride	1.40	62	33533	4.811 ug/L	99
6) Bromomethane	1.63	94	17316	4.632 ug/L	98
8) Chloroethane	1.70	64	18542	4.615 ug/L	98
9) Trichlorofluoromethane	1.89	101	40284	5.007 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	22854	4.707 ug/L	99
12) 1,1-Dichloroethene	2.29	96	22274	4.608 ug/L	94
13) Acetone	2.35	43	47677	46.196 ug/L	99
14) Carbon disulfide	2.48	76	75980	4.539 ug/L	100
15) Methyl Acetate	2.63	43	12804	4.646 ug/L	93
16) Methylene chloride	2.70	84	25417	4.821 ug/L	99
17) Methyl tert-butyl Ether	3.01	73	65588	4.908 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	23743	4.621 ug/L	97
19) 1,1-Dichloroethane	3.45	63	49197	4.811 ug/L	99
21) 2-Butanone	4.30	43	90327	50.370 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	27866	4.900 ug/L #	90

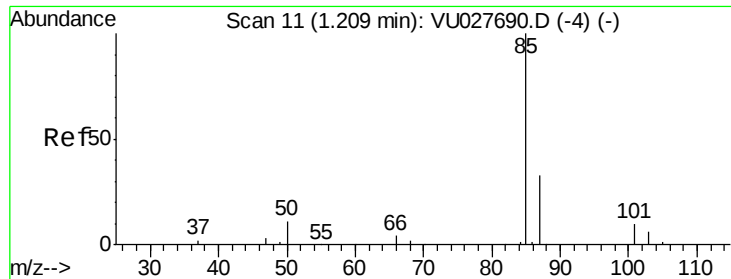
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	11776	4.598	ug/L	92
25) Chloroform	4.68	83	50428	5.110	ug/L	99
27) 1,2-Dichloroethane	5.41	62	32246	5.161	ug/L #	93
29) 1,1,1-Trichloroethane	4.92	97	41654	5.013	ug/L	98
30) Cyclohexane	4.99	56	51324	4.915	ug/L	99
31) Carbon tetrachloride	5.13	117	36375	4.833	ug/L	99
33) Benzene	5.39	78	108770	4.904	ug/L	100
34) Trichloroethene	6.19	95	28281	4.926	ug/L	99
35) Methylcyclohexane	6.41	83	46554	4.705	ug/L	94
37) 1,2-Dichloropropane	6.44	63	31573	4.957	ug/L	98
38) Bromodichloromethane	6.76	83	34852	4.709	ug/L	93
39) cis-1,3-Dichloropropene	7.27	75	45588	4.922	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	216446	50.345	ug/L	98
42) Toluene	7.64	91	117149	4.916	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	36437	4.767	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	18832	4.598	ug/L	97
47) Tetrachloroethene	8.23	164	21495	4.689	ug/L	98
48) 2-Hexanone	8.37	43	154994	50.318	ug/L	98
49) Dibromochloromethane	8.48	129	23852	4.686	ug/L	100
50) 1,2-Dibromoethane	8.59	107	17894	4.662	ug/L	100
51) Chlorobenzene	9.12	112	70802	4.842	ug/L	99
52) Ethylbenzene	9.25	91	129628	4.908	ug/L	98
53) m,p-xylene	9.38	106	47329	4.815	ug/L	98
54) o-xylene	9.78	106	46305	4.799	ug/L	99
55) Styrene	9.79	104	79477	4.898	ug/L	96
56) Isopropylbenzene	10.17	105	127344	4.963	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	24991	4.665	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	18654	5.096	ug/L	97
61) Bromoform	9.96	173	14251	4.681	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	55944	4.958	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	55657	4.919	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	53520	4.938	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	4484	5.025	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	43935	4.797	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	37594	4.762	ug/L	98
69) Naphthalene	13.74	128	64554	4.891	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	35464	4.810	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.787 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

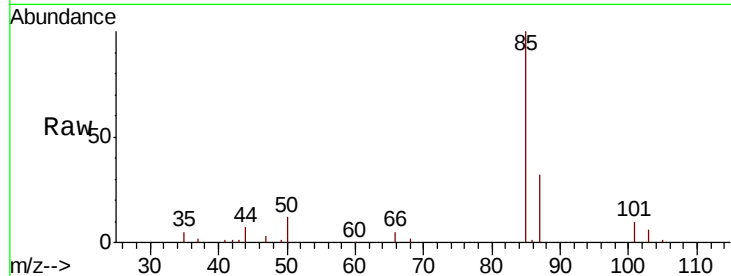
VSTD00553

Tgt Ion: 85 Resp: 27909

Ion Ratio Lower Upper

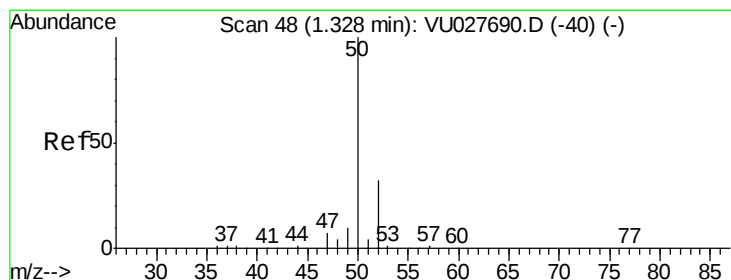
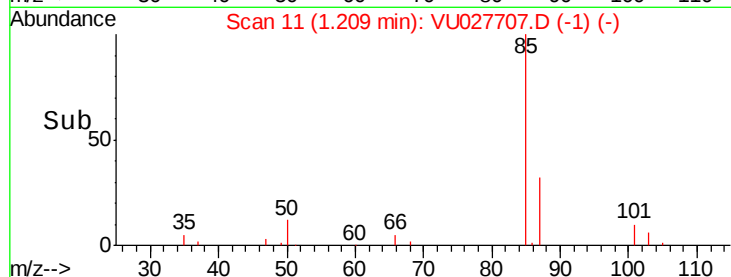
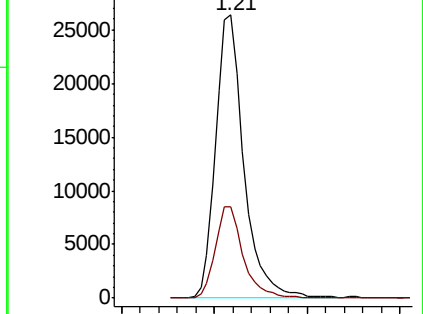
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU027690.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027690.D (-4) (-)



#3

Chloromethane

Concen: 4.655 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027707.D

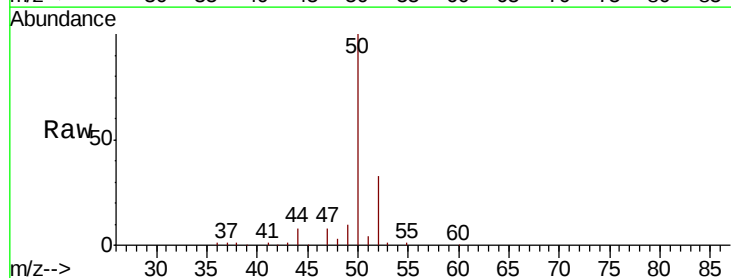
Acq: 18 Oct 2018 19:54

Tgt Ion: 50 Resp: 32317

Ion Ratio Lower Upper

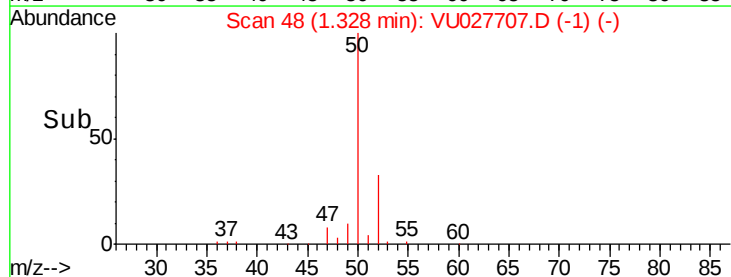
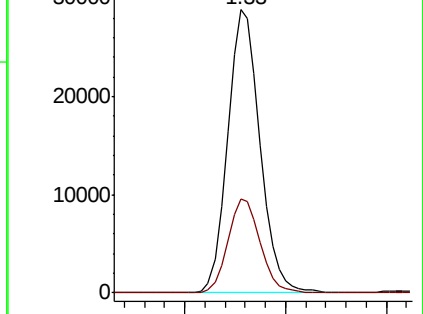
50 100

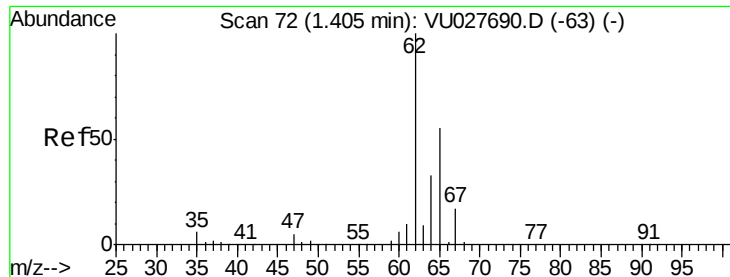
52 33.2 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU027690.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU027690.D (-40) (-)





#5

Vinyl chloride

Concen: 4.811 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

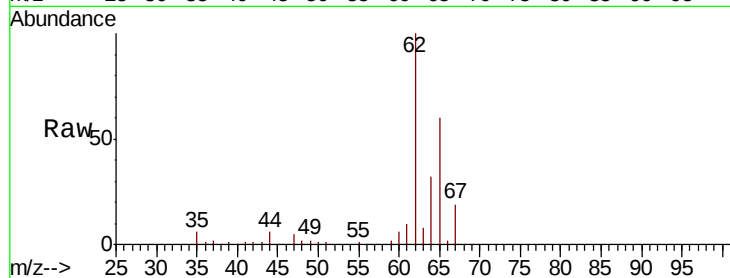
VSTD00553

Tgt Ion: 62 Resp: 33533

Ion Ratio Lower Upper

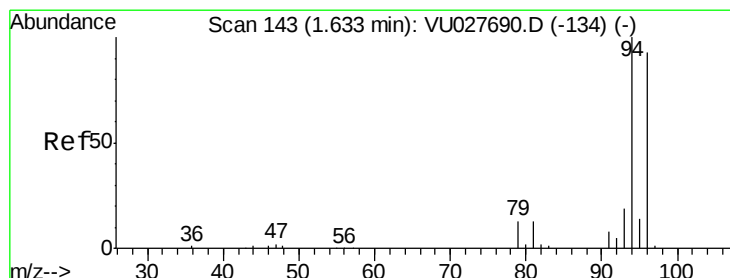
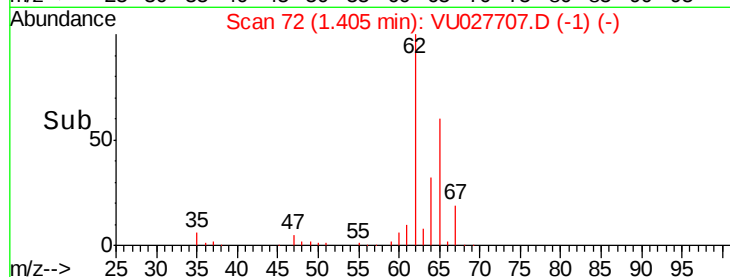
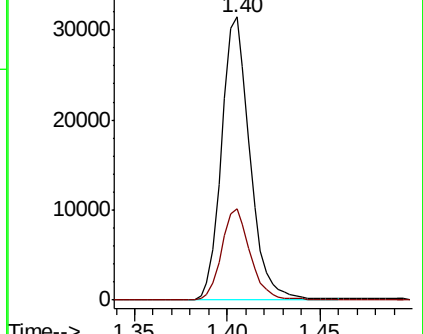
62 100

64 32.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.632 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027707.D

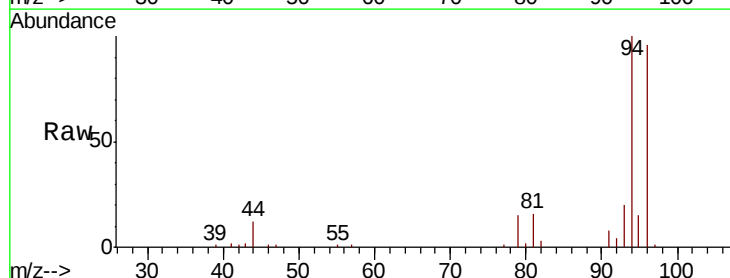
Acq: 18 Oct 2018 19:54

Tgt Ion: 94 Resp: 17316

Ion Ratio Lower Upper

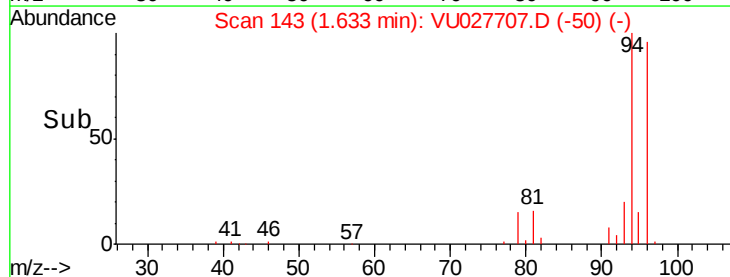
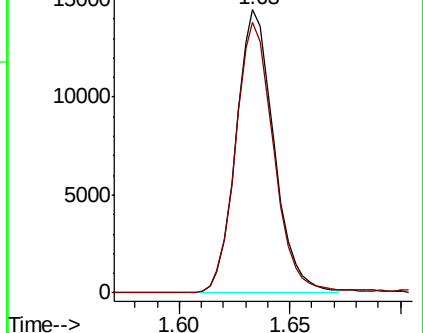
94 100

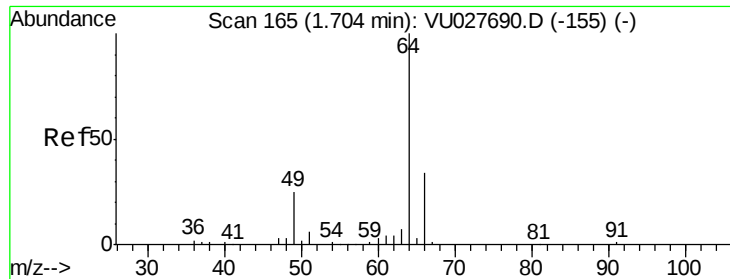
96 95.6 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.615 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

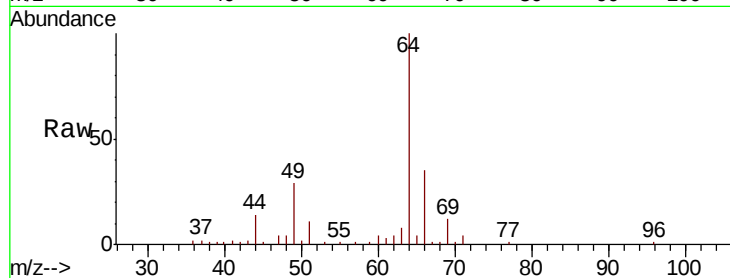
VSTD00553

Tgt Ion: 64 Resp: 18542

Ion Ratio Lower Upper

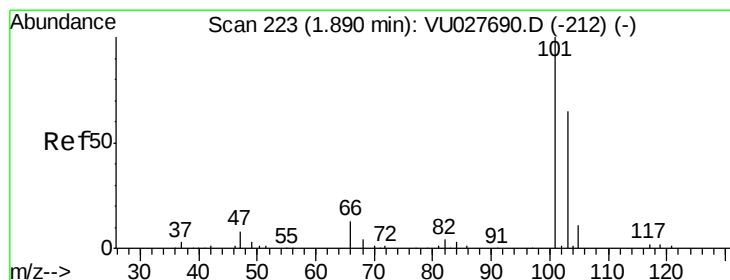
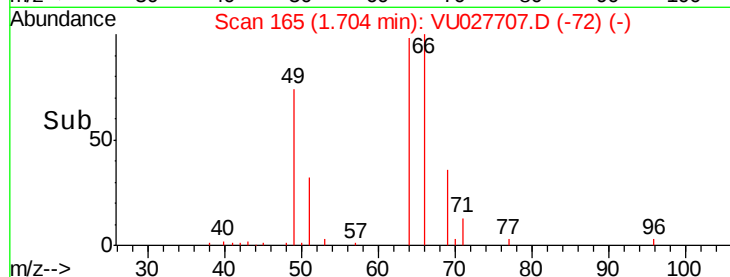
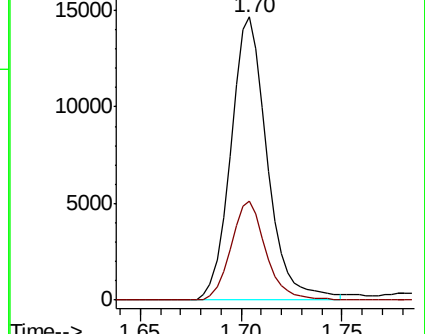
64 100

66 35.0 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU027690.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU027690.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 5.007 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027707.D

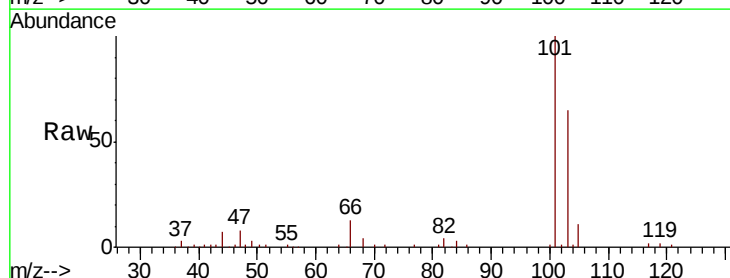
Acq: 18 Oct 2018 19:54

Tgt Ion: 101 Resp: 40284

Ion Ratio Lower Upper

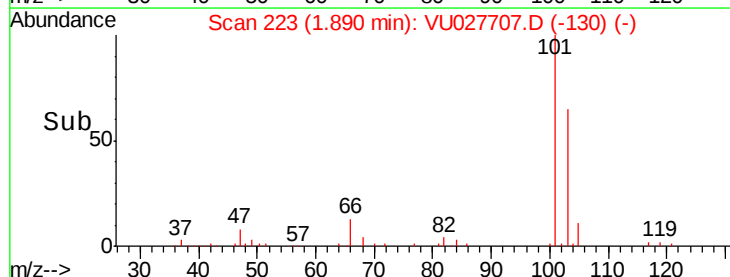
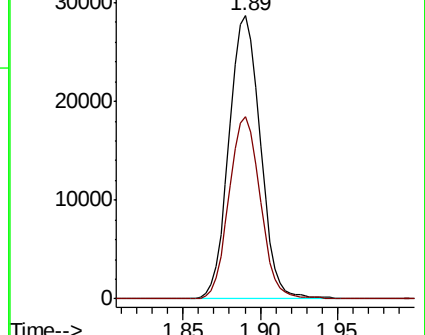
101 100

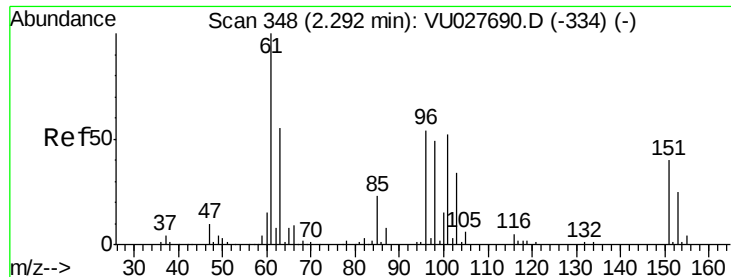
103 64.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU027690.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027690.D (-212) (-)





#10

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

Concen: 4.707 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

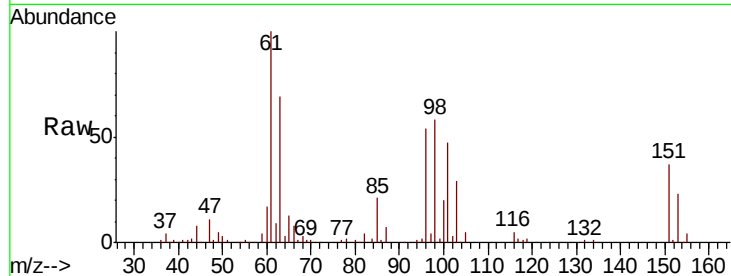
Tgt Ion:101 Resp: 22854

Ion Ratio Lower Upper

101 100

85 46.0 35.6 53.4

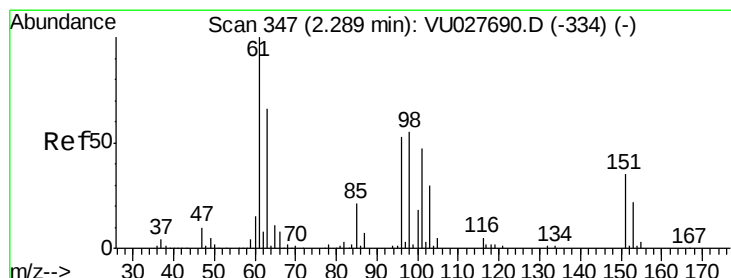
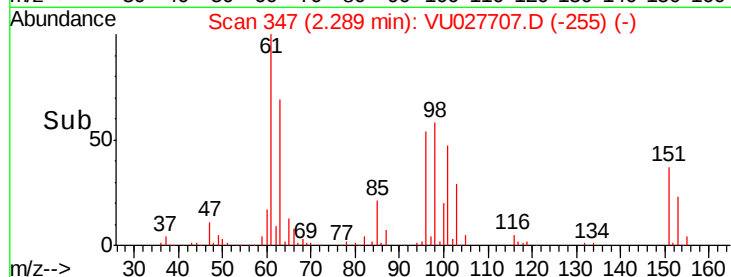
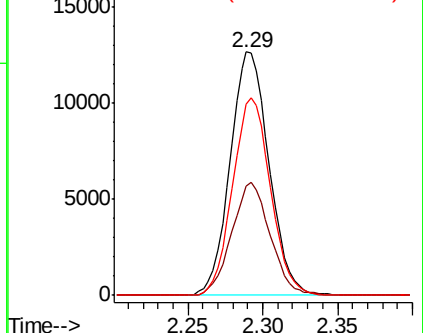
151 79.1 63.8 95.6



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: 4.608 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

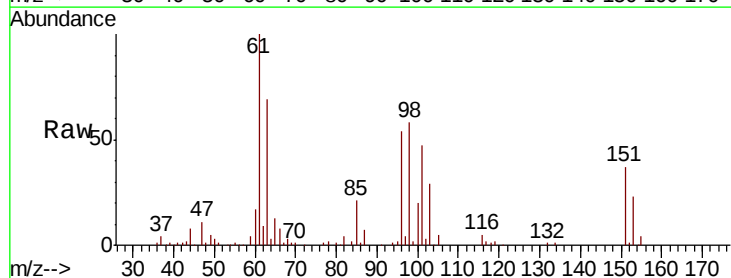
Tgt Ion: 96 Resp: 22274

Ion Ratio Lower Upper

96 100

61 185.2 125.6 233.2

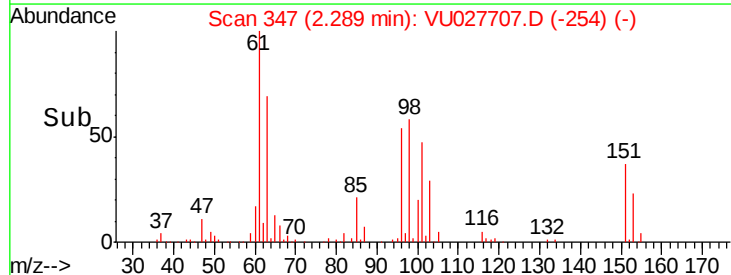
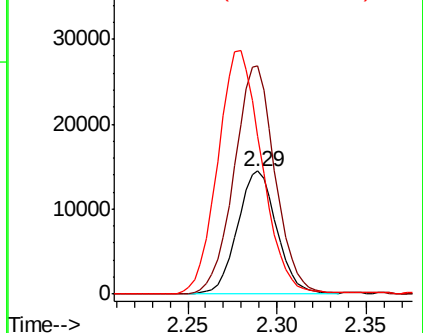
63 128.3 97.6 181.2

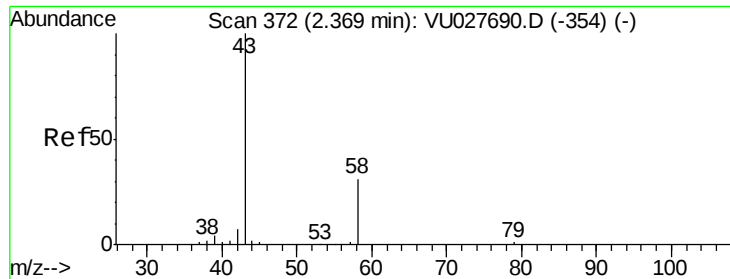


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.196 ug/L

RT: 2.35 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

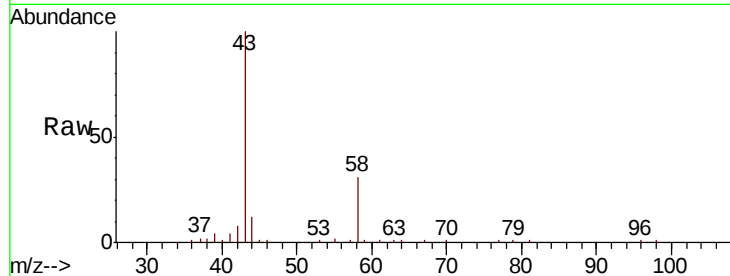
VSTD00553

Tgt Ion: 43 Resp: 47677

Ion Ratio Lower Upper

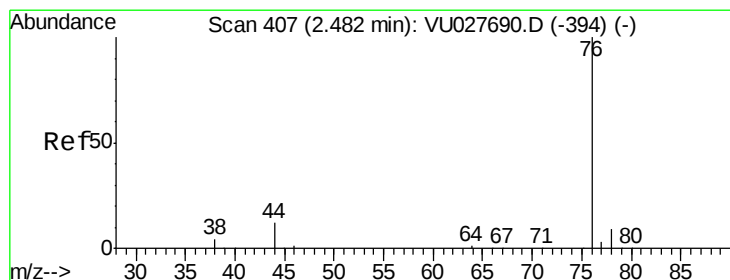
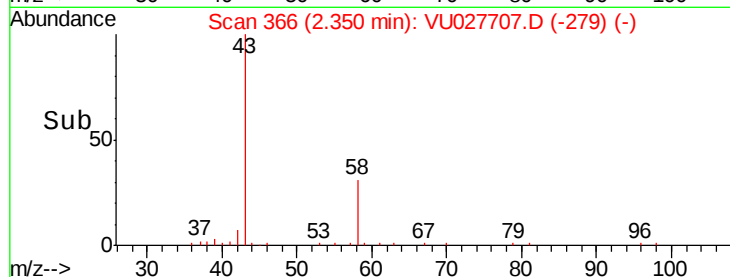
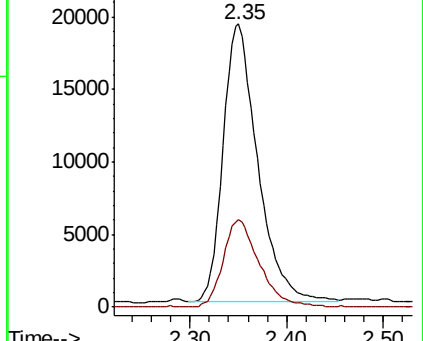
43 100

58 32.7 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.539 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027707.D

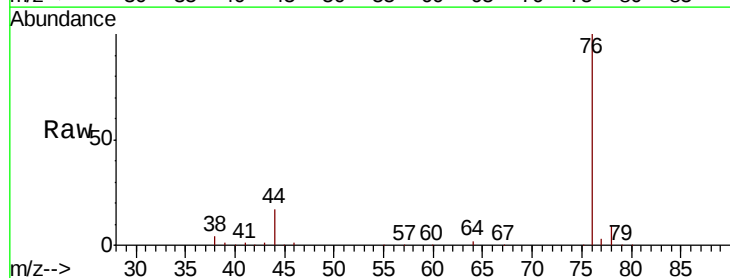
Acq: 18 Oct 2018 19:54

Tgt Ion: 76 Resp: 75980

Ion Ratio Lower Upper

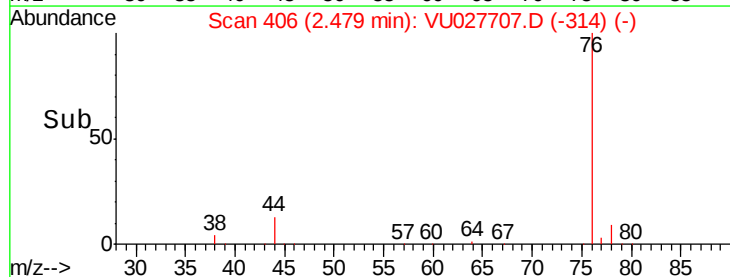
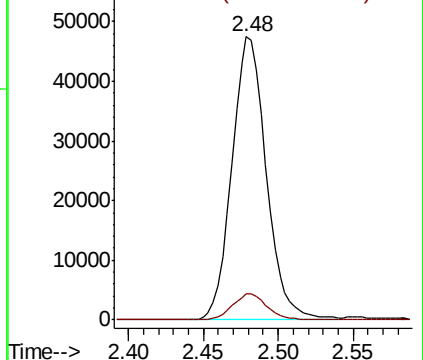
76 100

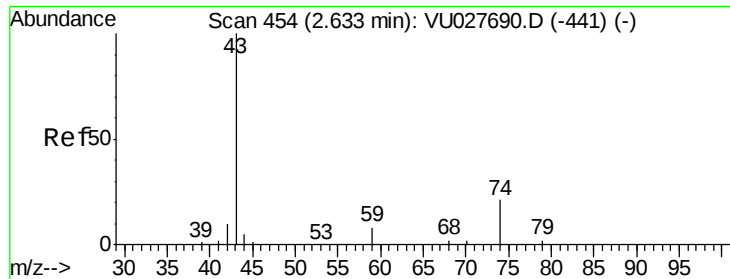
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

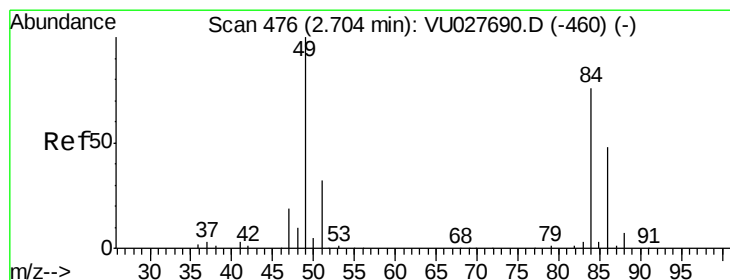
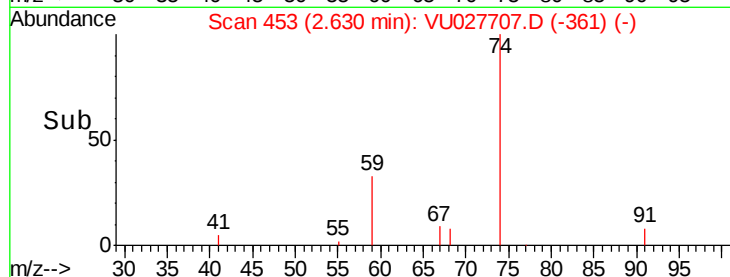
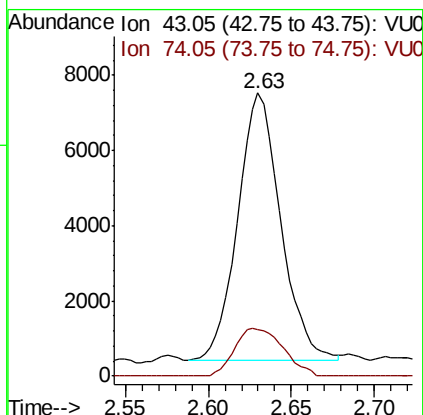
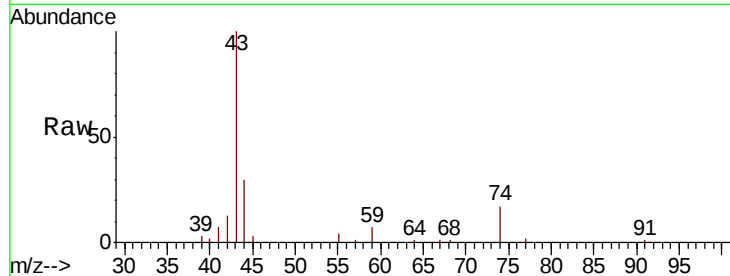




#15
Methyl Acetate
Concen: 4.646 ug/L
RT: 2.63 min Scan# 453
Delta R.T. -0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

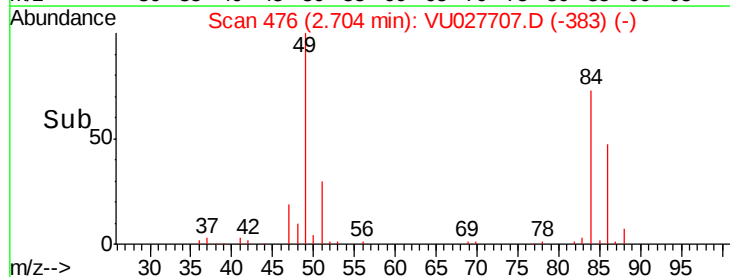
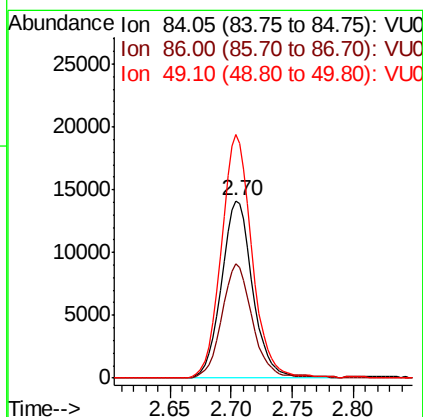
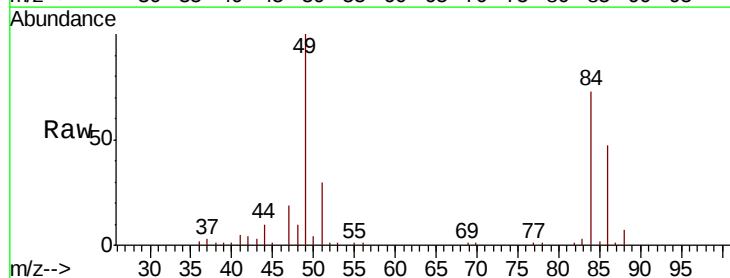
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

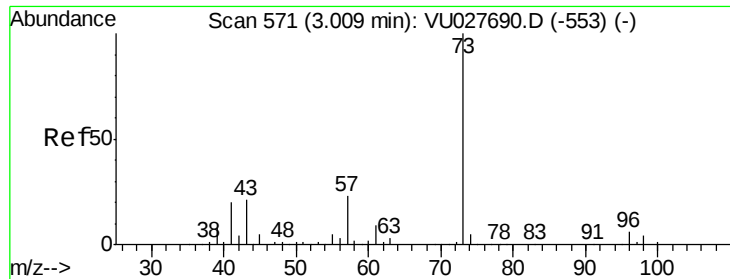
Tgt Ion: 43 Resp: 12804
Ion Ratio Lower Upper
43 100
74 20.2 18.7 28.1



#16
Methylene chloride
Concen: 4.821 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Tgt Ion: 84 Resp: 25417
Ion Ratio Lower Upper
84 100
86 64.3 46.1 85.7
49 137.0 96.9 179.9





#17

Methyl tert-butyl Ether

Concen: 4.908 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

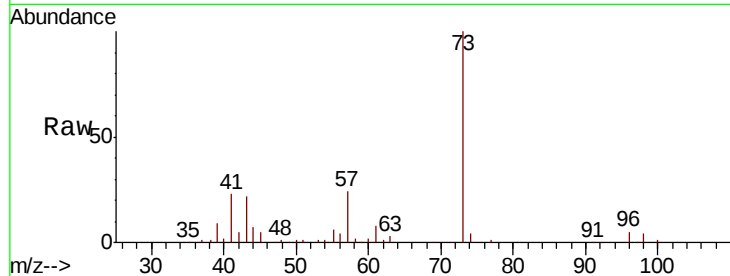
Tgt Ion: 73 Resp: 65588

Ion Ratio Lower Upper

73 100

43 20.6 15.8 23.8

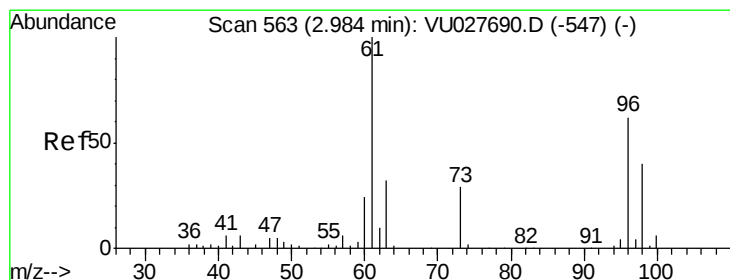
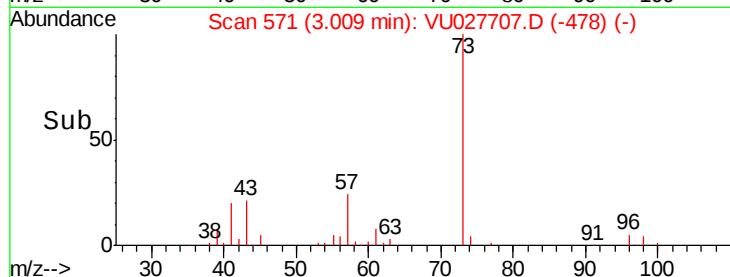
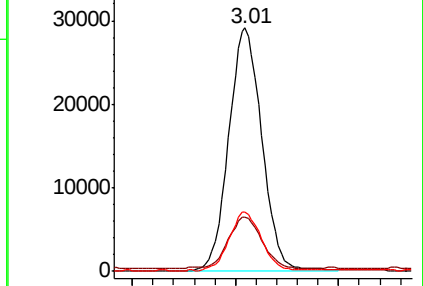
57 23.2 18.7 28.1



Abundance Ion 73.10 (72.80 to 73.80): VU027707.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU027707.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU027707.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.621 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

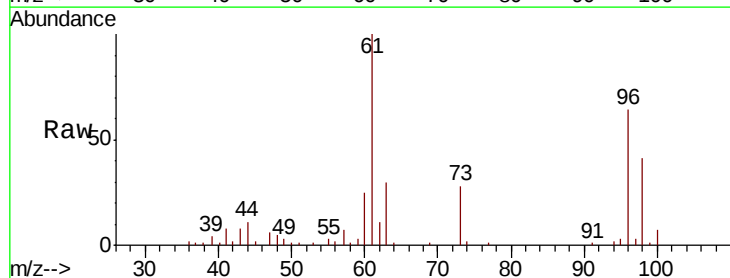
Tgt Ion: 96 Resp: 23743

Ion Ratio Lower Upper

96 100

61 155.4 105.8 196.4

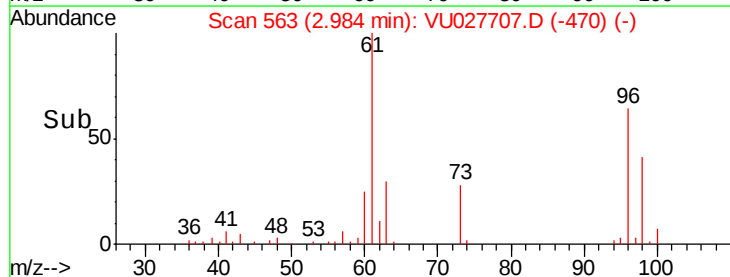
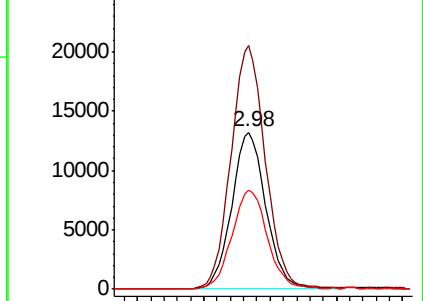
98 63.6 43.6 81.0

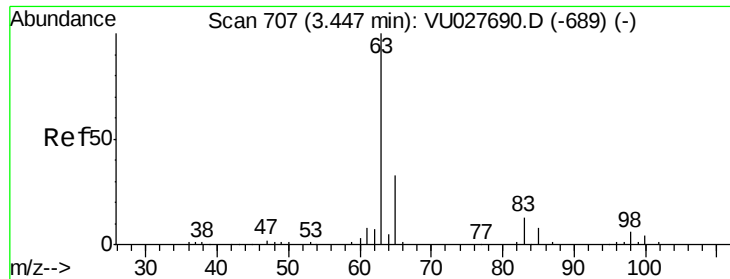


Abundance Ion 96.00 (95.70 to 96.70): VU027707.D (-470) (-)

Ion 61.05 (60.75 to 61.75): VU027707.D (-470) (-)

Ion 97.95 (97.65 to 98.65): VU027707.D (-470) (-)

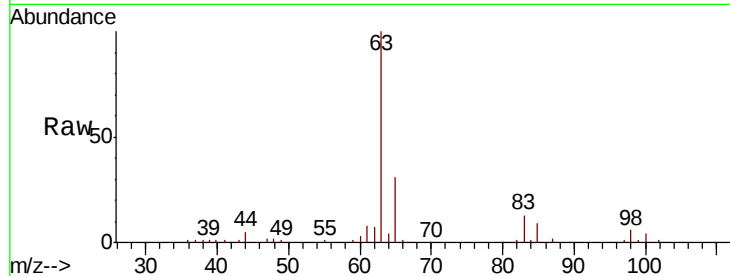




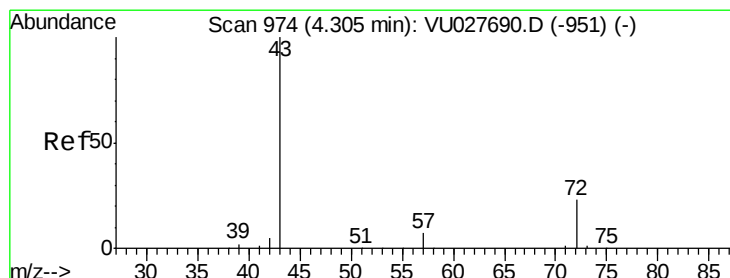
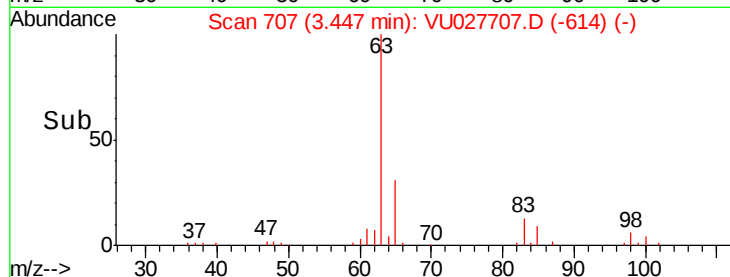
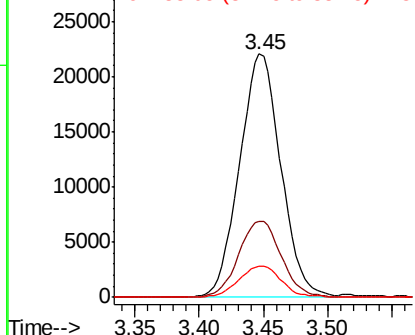
#19
 1,1-Dichloroethane
 Concen: 4.811 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Tgt Ion: 63 Resp: 49197
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.3
 83 12.8 9.7 17.9

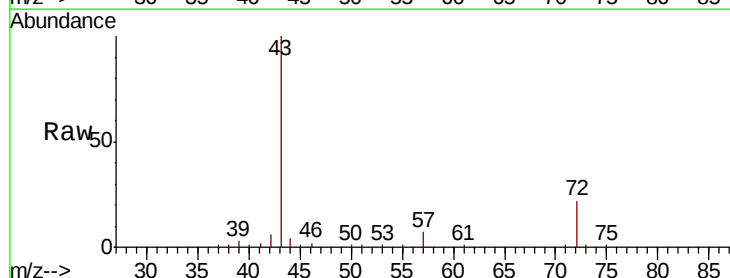


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

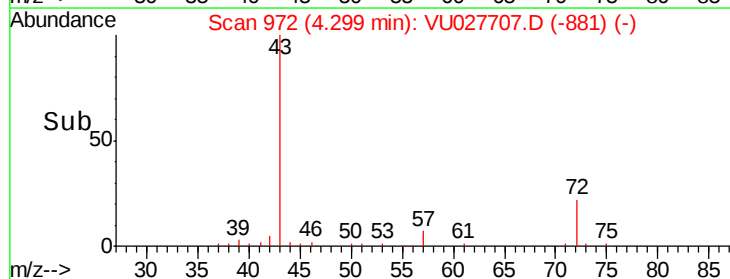
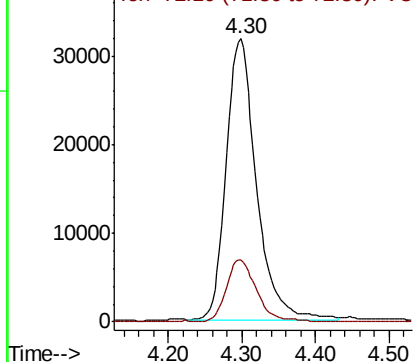


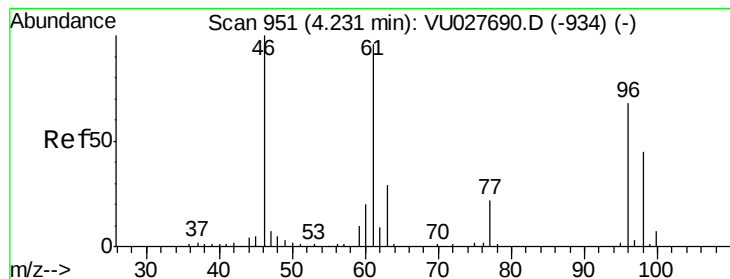
#21
 2-Butanone
 Concen: 50.370 ug/L
 RT: 4.30 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Tgt Ion: 43 Resp: 90327
 Ion Ratio Lower Upper
 43 100
 72 22.3 11.7 35.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



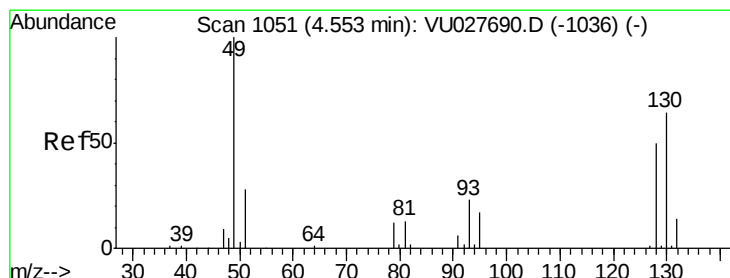
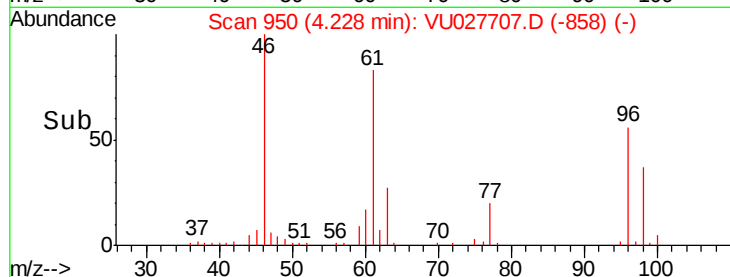
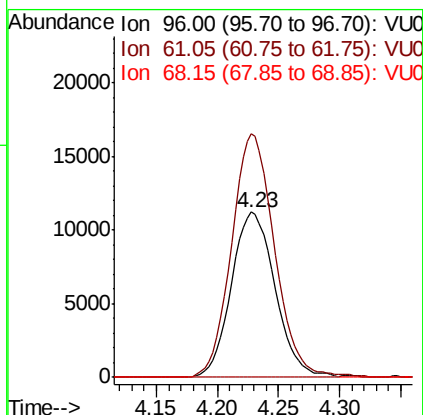
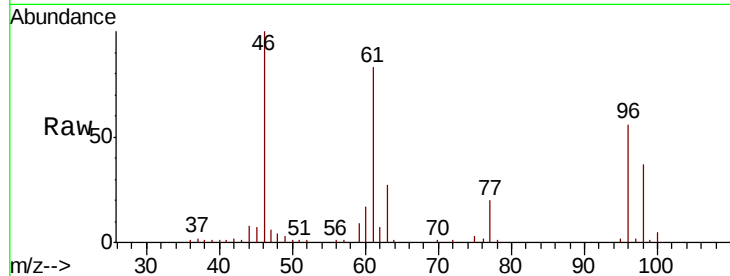


#22

cis-1,2-Dichloroethene
Concen: 4.900 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

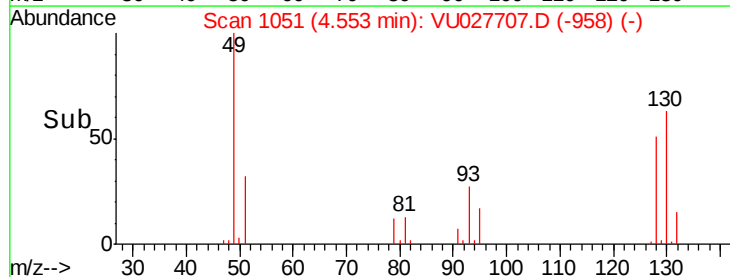
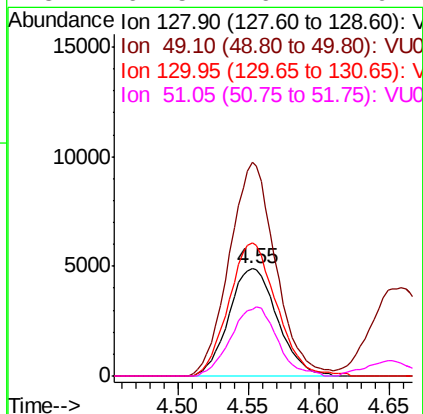
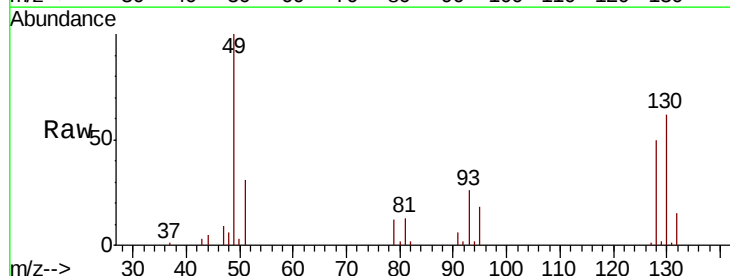
Tgt Ion: 96 Resp: 27866
Ion Ratio Lower Upper
96 100
61 147.6 95.3 176.9
68 0.0 1.1 2.1#

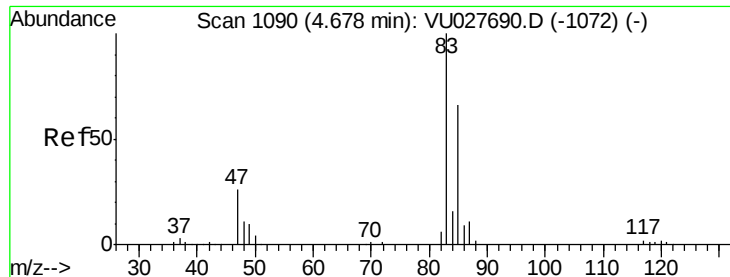


#23

Bromochloromethane
Concen: 4.598 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Tgt Ion: 128 Resp: 11776
Ion Ratio Lower Upper
128 100
49 199.8 130.4 242.2
130 124.0 91.9 170.7
51 62.5 46.7 70.1

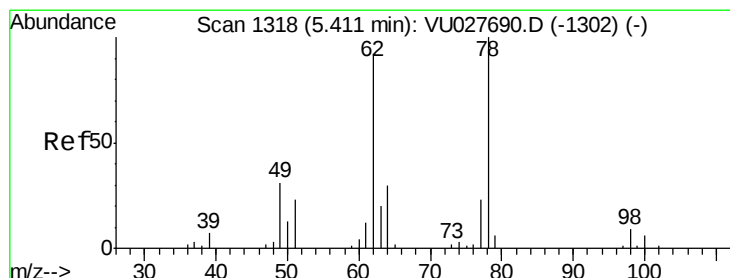
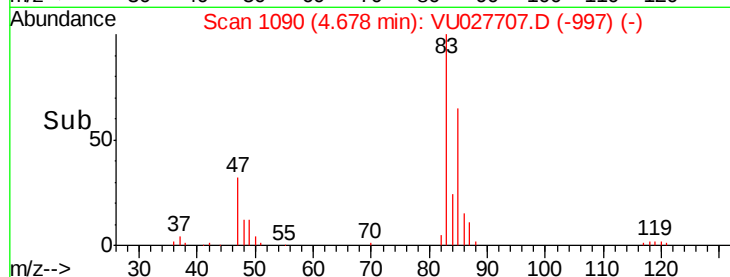
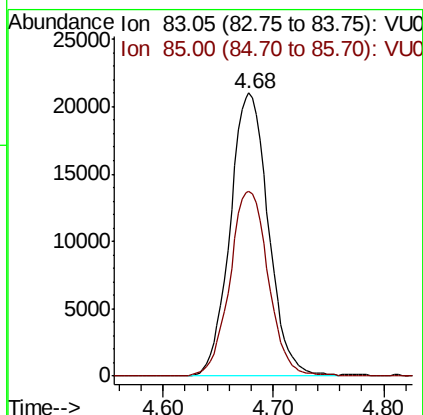
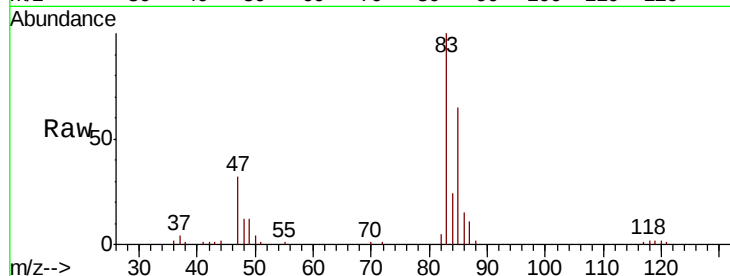




#25
Chloroform
Concen: 5.110 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

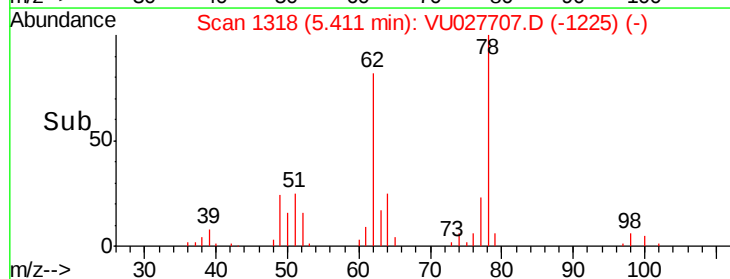
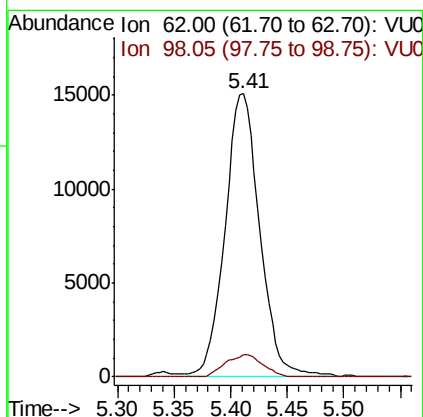
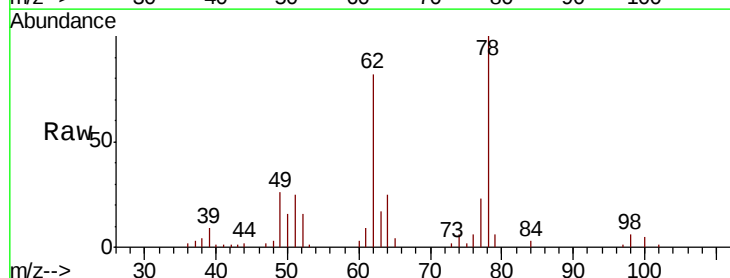
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

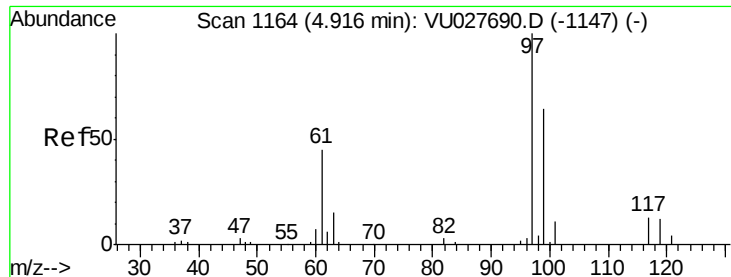
Tgt Ion: 83 Resp: 50428
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.161 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Tgt Ion: 62 Resp: 32246
Ion Ratio Lower Upper
62 100
98 7.7 8.4 12.6#

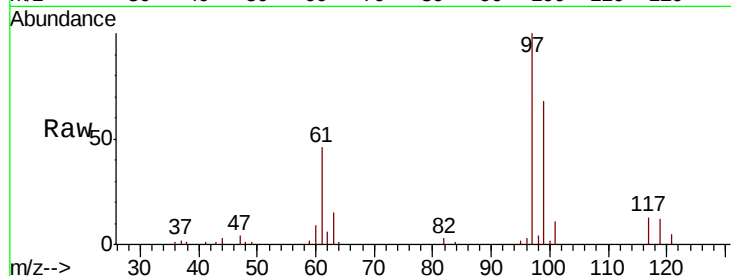




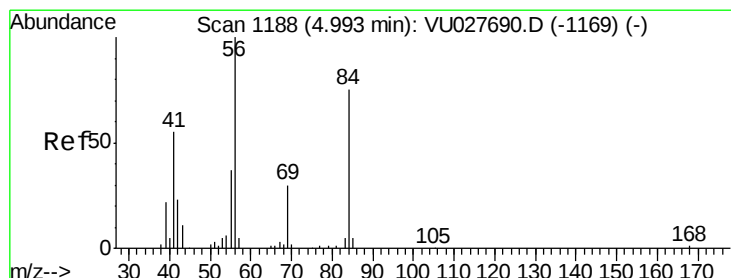
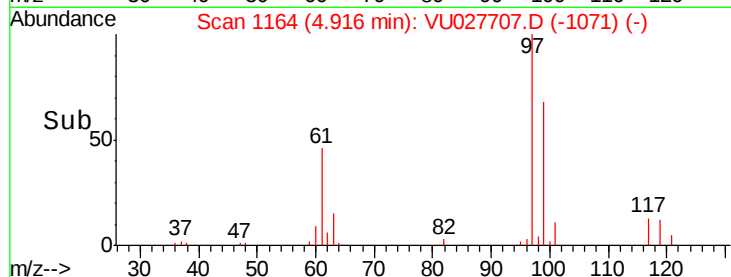
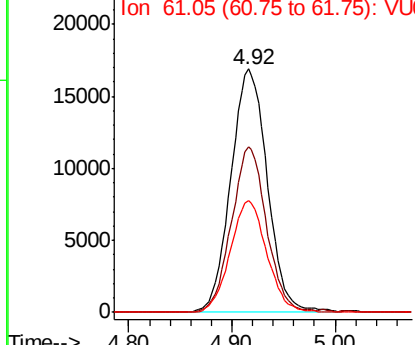
#29
 1,1,1-Trichloroethane
 Concen: 5.013 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Tgt Ion: 97 Resp: 41654
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.4 77.2
 61 45.9 35.7 53.5

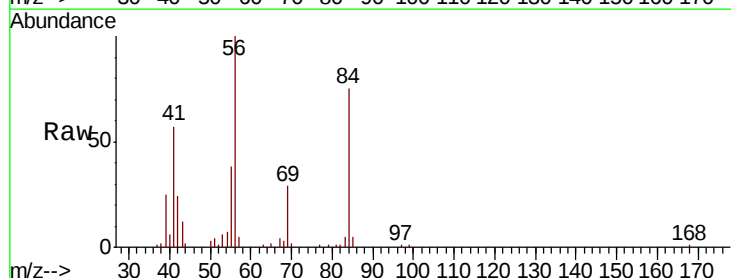


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

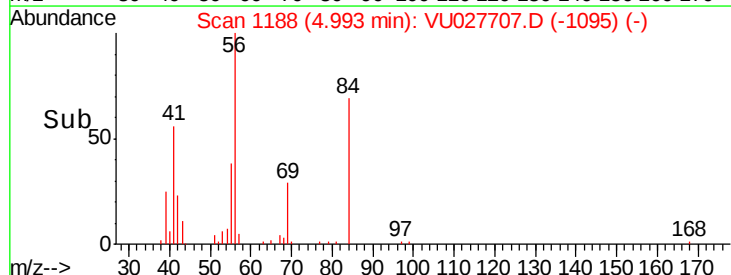
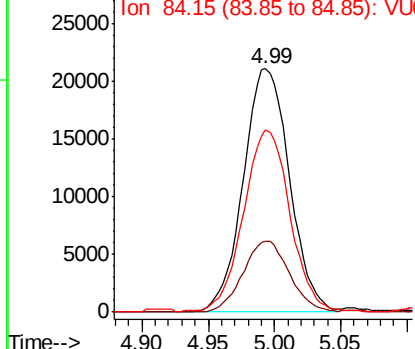


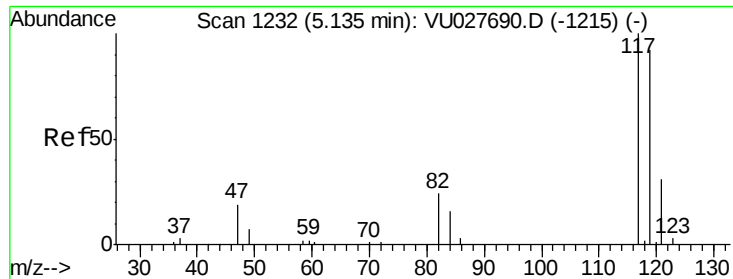
#30
 Cyclohexane
 Concen: 4.915 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Tgt Ion: 56 Resp: 51324
 Ion Ratio Lower Upper
 56 100
 69 29.0 23.4 35.2
 84 75.1 59.4 89.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

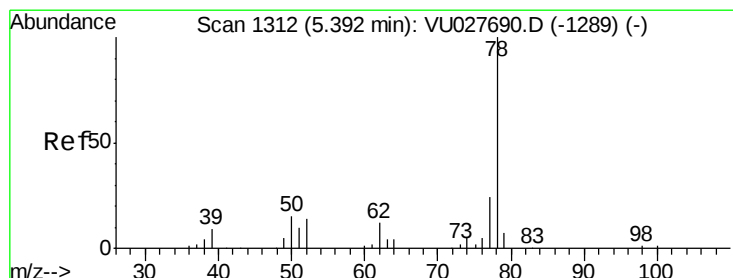
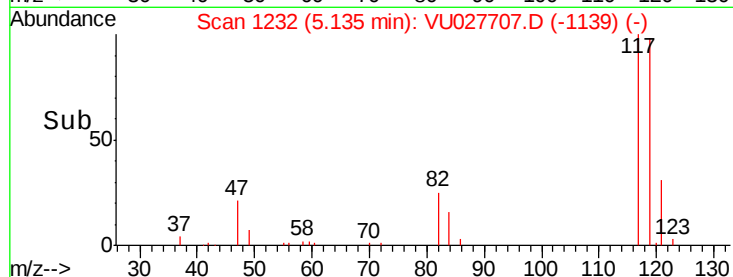
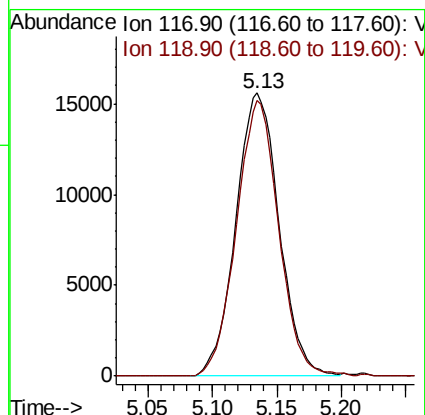
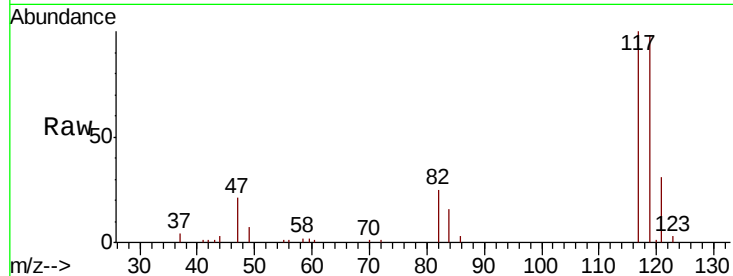




#31
Carbon tetrachloride
Concen: 4.833 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

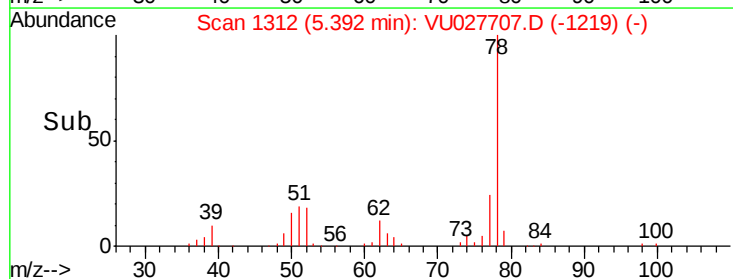
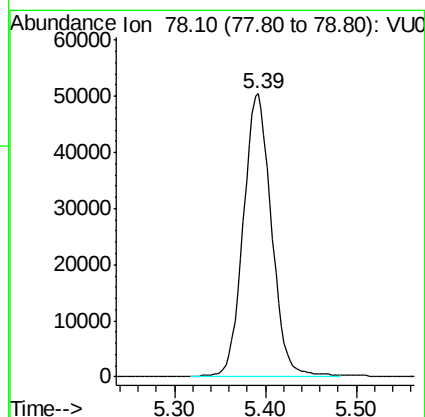
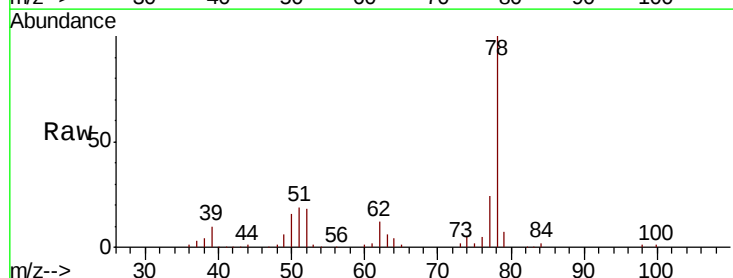
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

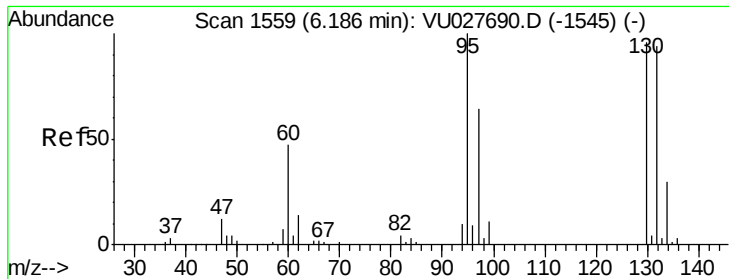
Tgt Ion:117 Resp: 36375
Ion Ratio Lower Upper
117 100
119 95.2 77.1 115.7



#33
Benzene
Concen: 4.904 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Tgt Ion: 78 Resp: 108770





#34

Trichloroethene

Concen: 4.926 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

Tgt Ion: 95 Resp: 28281

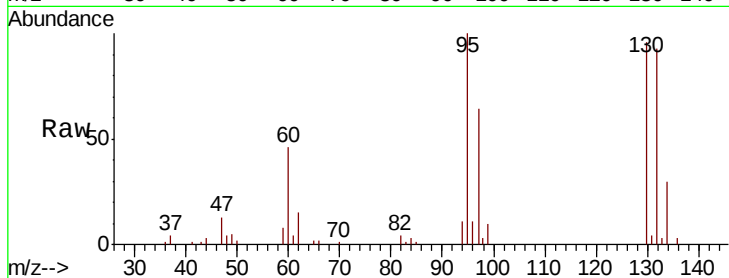
Ion Ratio Lower Upper

95 100

97 64.0 44.7 83.1

132 92.8 65.9 122.5

130 96.1 67.9 126.1

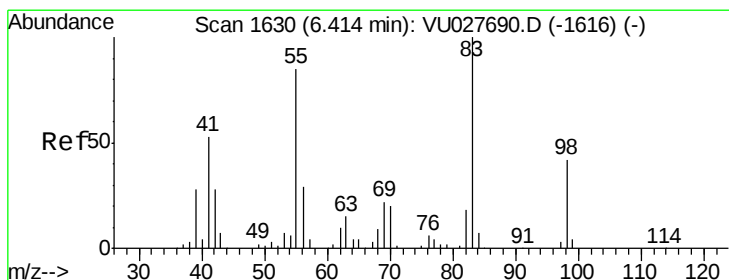
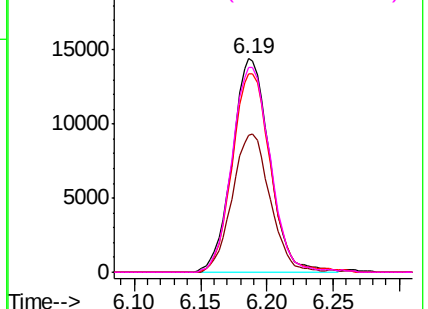
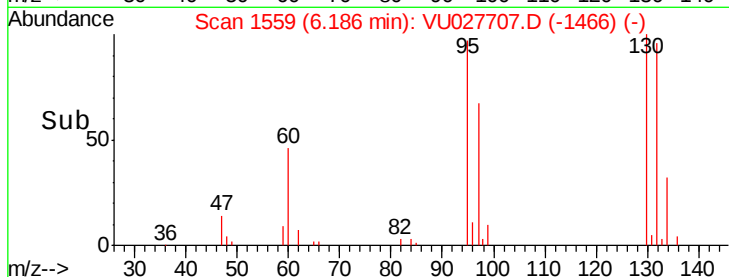


Abundance Ion 95.00 (94.70 to 95.70): VU027707.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU027707.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU027707.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU027707.D (-1537) (-)



#35

Methylcyclohexane

Concen: 4.705 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

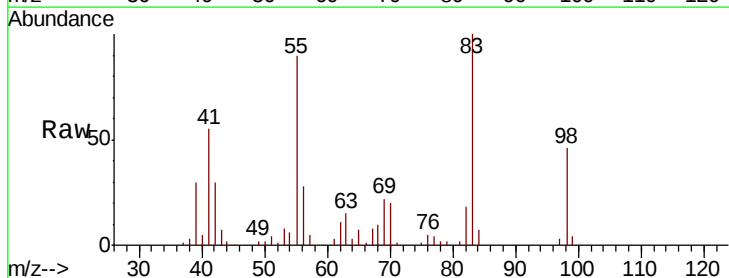
Tgt Ion: 83 Resp: 46554

Ion Ratio Lower Upper

83 100

55 92.0 69.0 103.4

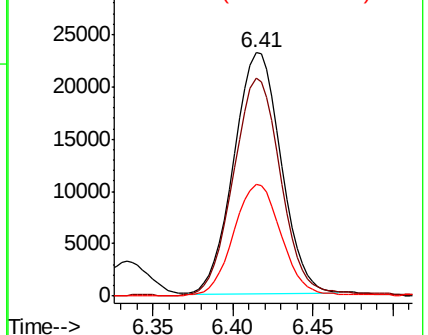
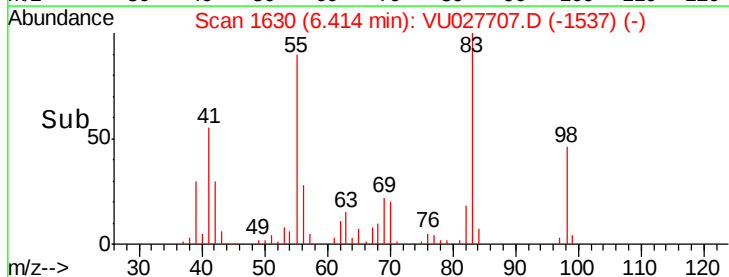
98 47.2 35.4 53.2

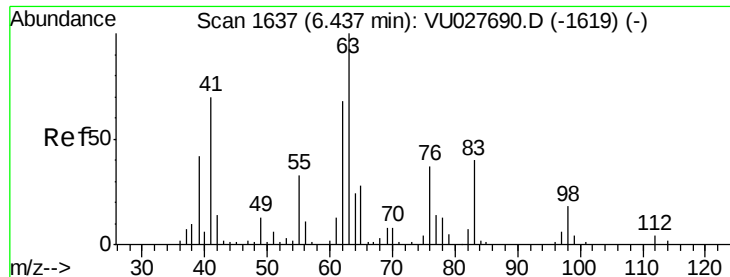


Abundance Ion 83.15 (82.85 to 83.85): VU027707.D (-1537) (-)

Ion 55.10 (54.80 to 55.80): VU027707.D (-1537) (-)

Ion 98.15 (97.85 to 98.85): VU027707.D (-1537) (-)

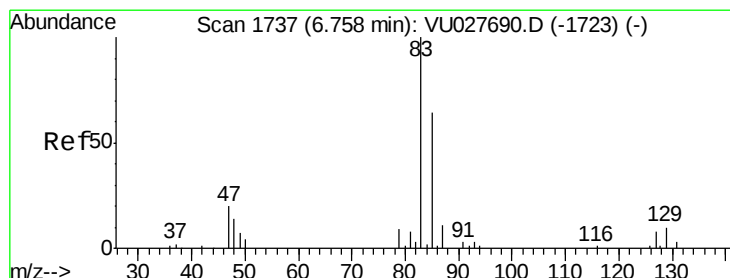
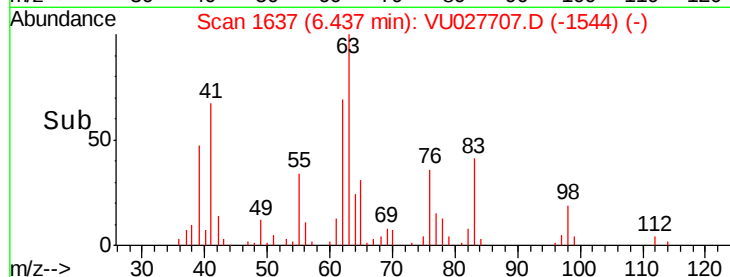
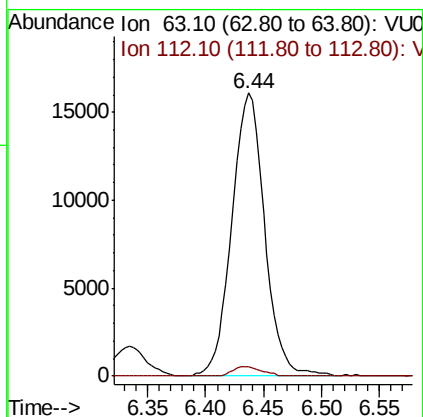
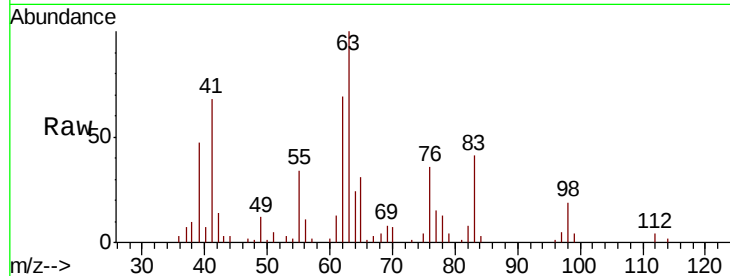




#37
 1,2-Dichloropropane
 Concen: 4.957 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

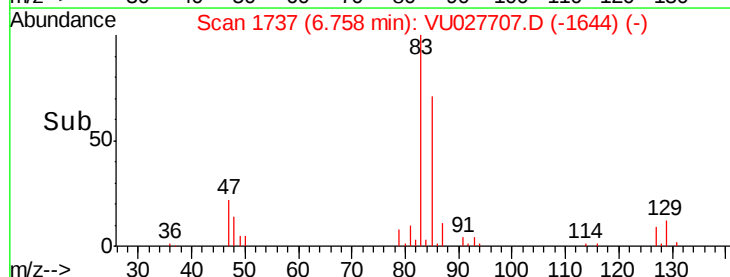
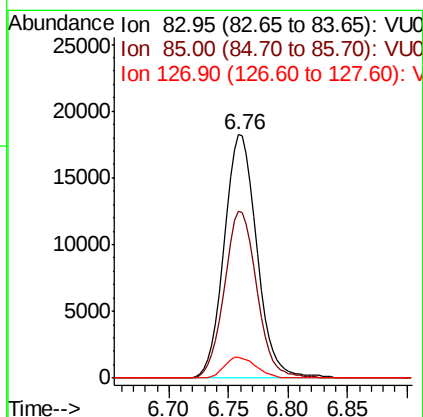
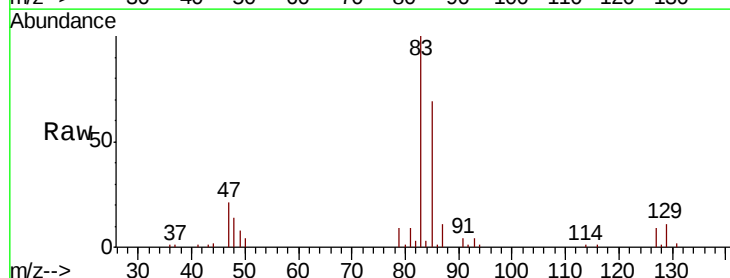
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

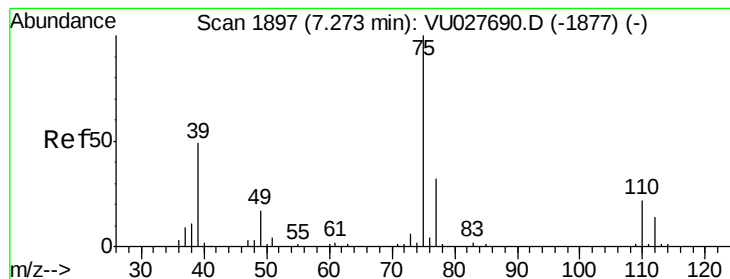
Tgt Ion: 63 Resp: 31573
 Ion Ratio Lower Upper
 63 100
 112 2.9 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.709 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Tgt Ion: 83 Resp: 34852
 Ion Ratio Lower Upper
 83 100
 85 68.7 43.7 81.1
 127 8.6 7.0 10.4



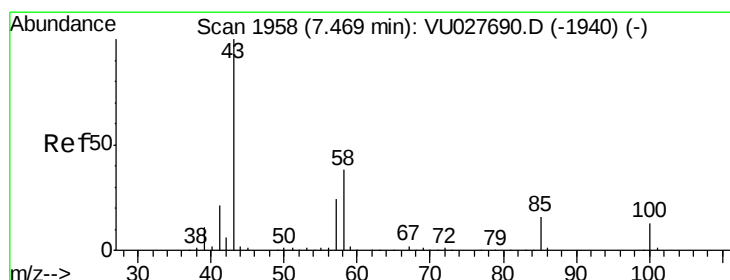
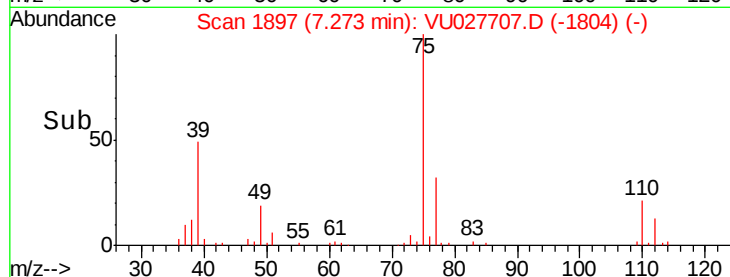
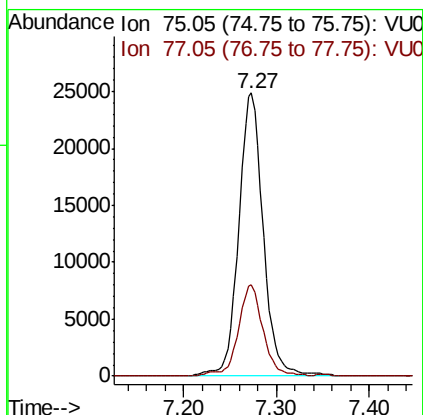
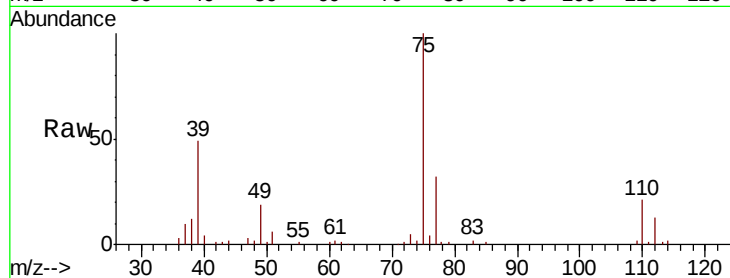


#39

cis-1,3-Dichloropropene
 Concen: 4.922 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00553

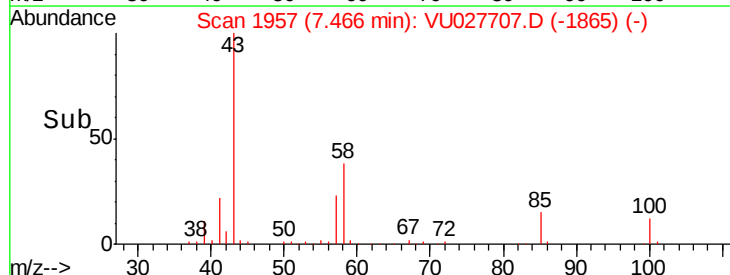
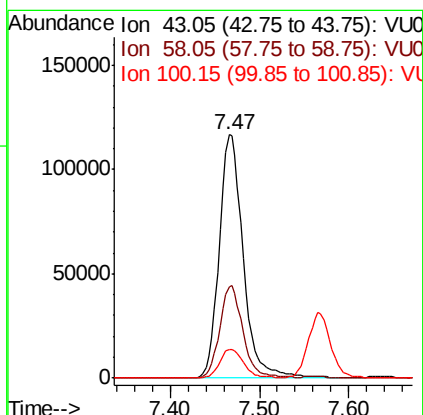
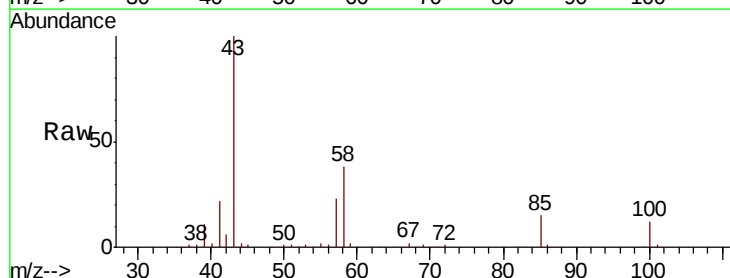
Tgt Ion: 75 Resp: 45588
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2

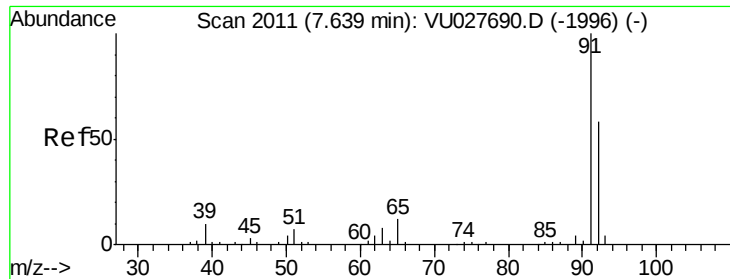


#40

4-Methyl-2-pentanone
 Concen: 50.345 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Tgt Ion: 43 Resp: 216446
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.4 45.6
 100 12.0 10.2 15.4





#42

Toluene

Concen: 4.916 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

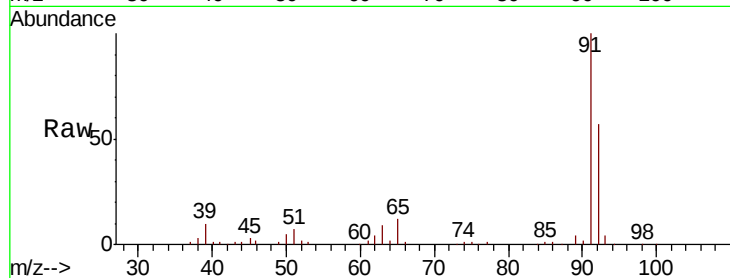
VSTD00553

Tgt Ion: 91 Resp: 117149

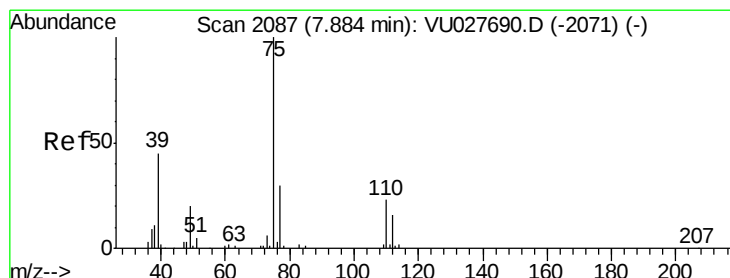
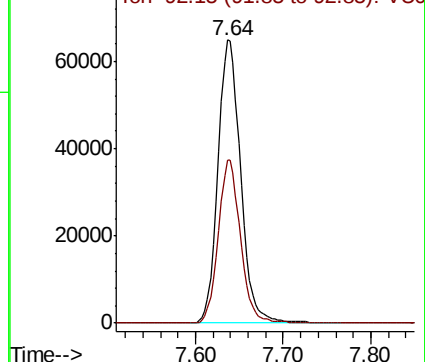
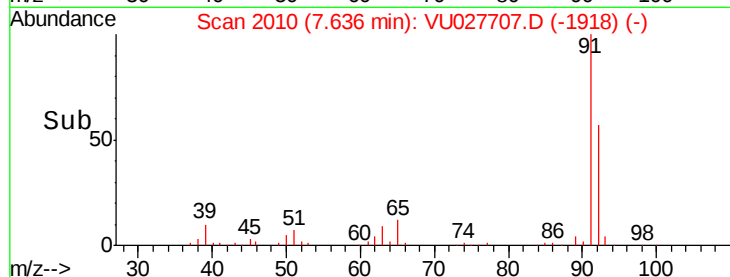
Ion Ratio Lower Upper

91 100

92 57.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU027707.D (-1918) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.767 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027707.D

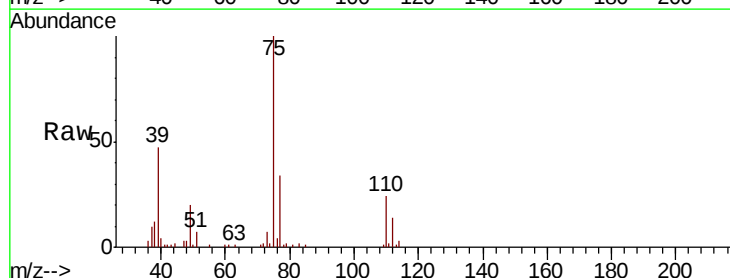
Acq: 18 Oct 2018 19:54

Tgt Ion: 75 Resp: 36437

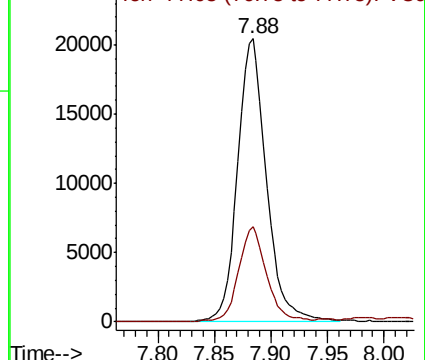
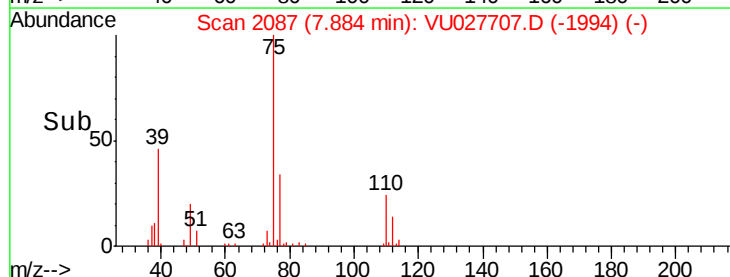
Ion Ratio Lower Upper

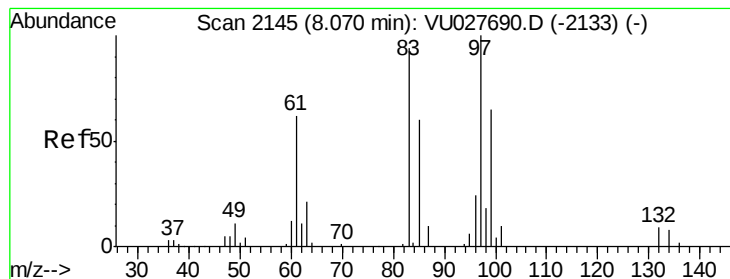
75 100

77 33.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU027707.D (-1994) (-)





#45

1,1,2-Trichloroethane

Concen: 4.598 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

Tgt Ion: 97 Resp: 18832

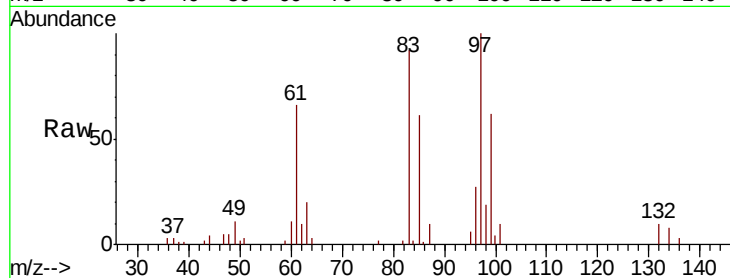
Ion Ratio Lower Upper

97 100

99 61.6 43.5 80.7

83 92.4 62.0 115.2

85 61.0 40.5 75.1



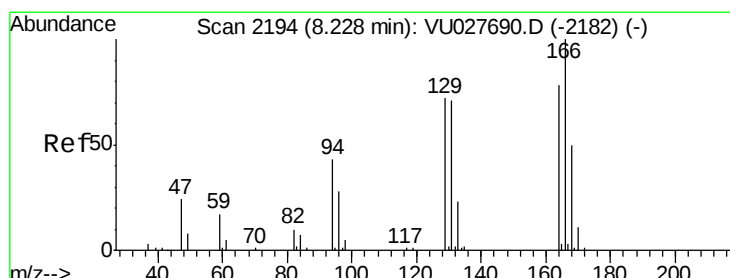
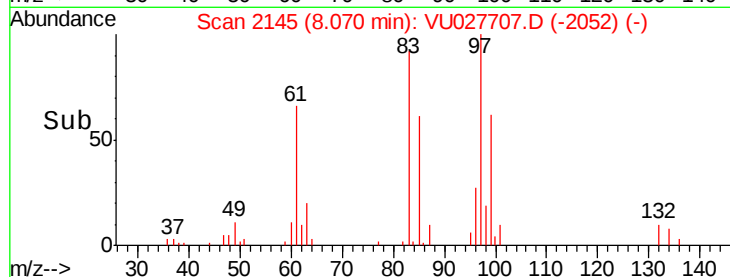
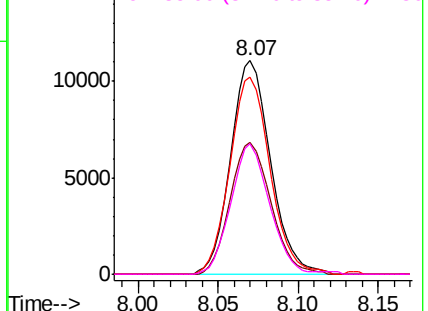
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.689 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Tgt Ion: 164 Resp: 21495

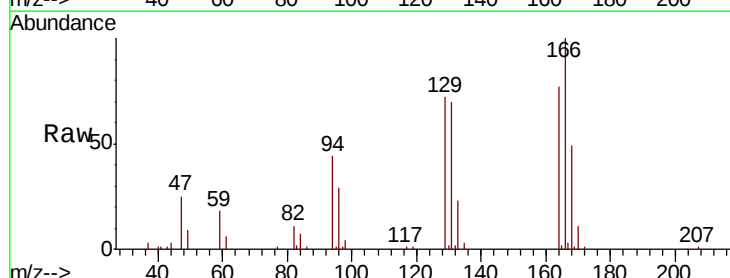
Ion Ratio Lower Upper

164 100

129 93.0 67.3 124.9

131 91.0 64.8 120.3

166 129.3 91.8 170.4



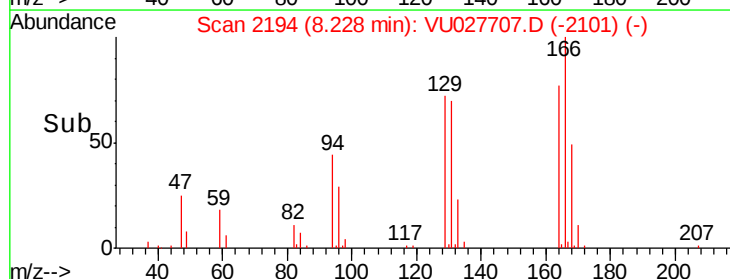
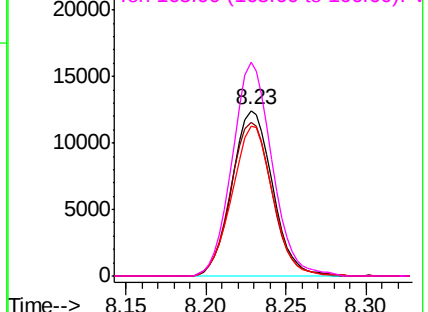
Abundance

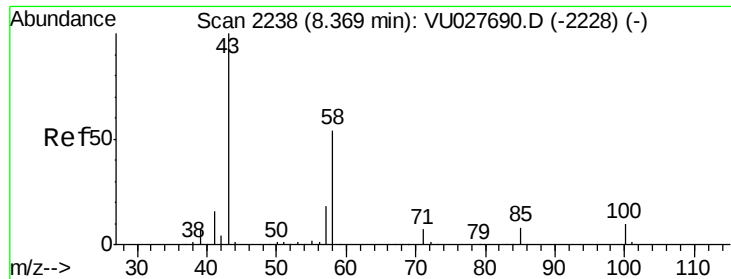
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

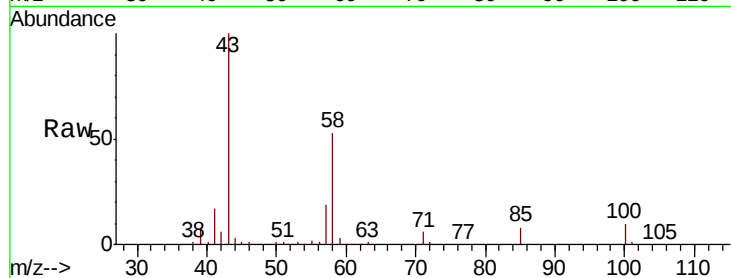




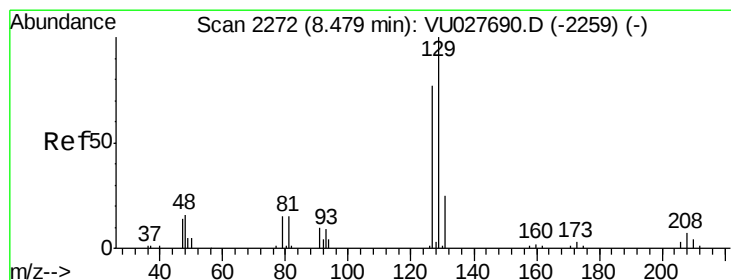
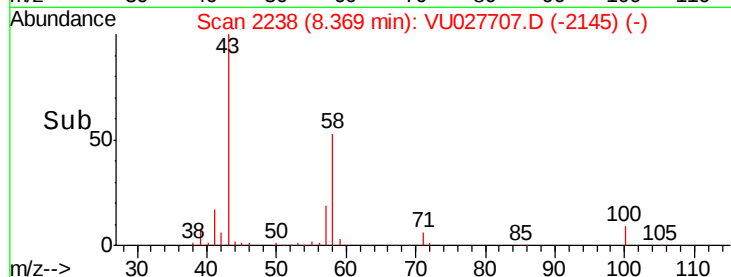
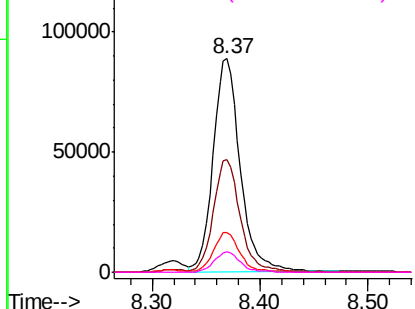
#48
2-Hexanone
Concen: 50.318 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

Tgt Ion: 43 Resp: 154994
Ion Ratio Lower Upper
43 100
58 51.7 42.7 64.1
57 18.2 14.5 21.7
100 9.3 8.1 12.1

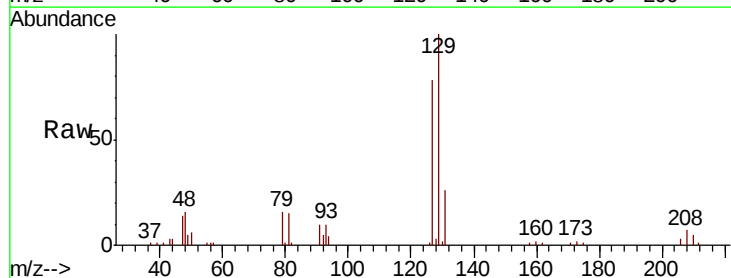


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

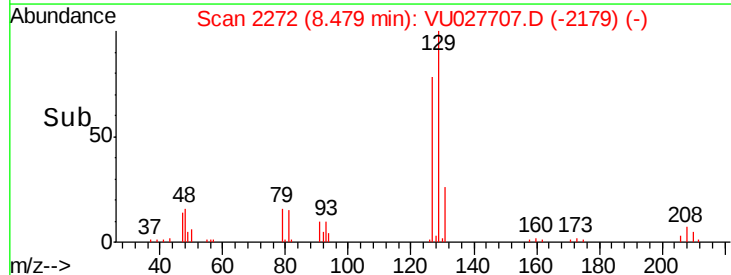
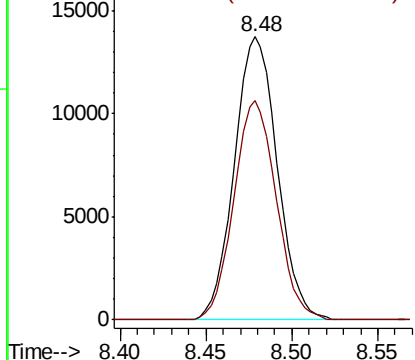


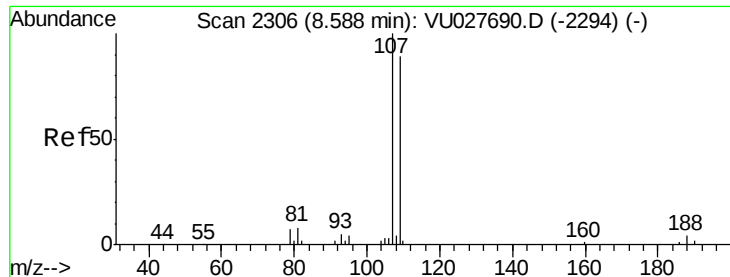
#49
Dibromochloromethane
Concen: 4.686 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Tgt Ion: 129 Resp: 23852
Ion Ratio Lower Upper
129 100
127 77.6 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

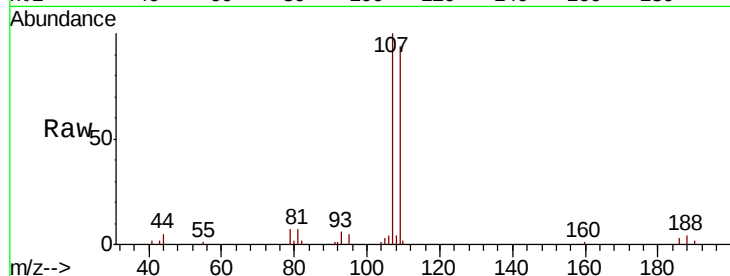




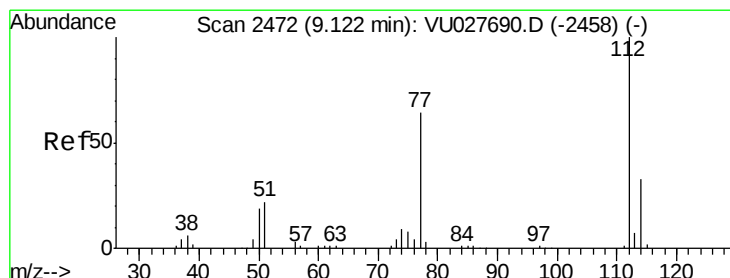
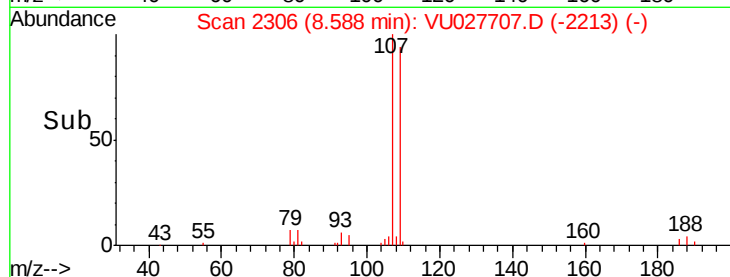
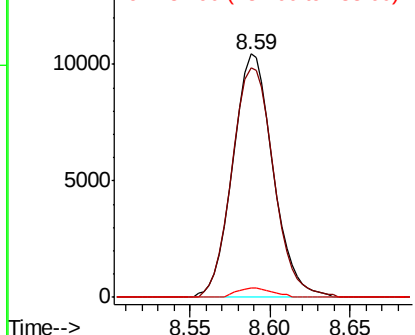
#50
1,2-Dibromoethane
Concen: 4.662 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

Tgt Ion:107 Resp: 17894
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.7
188 3.6 2.6 4.0

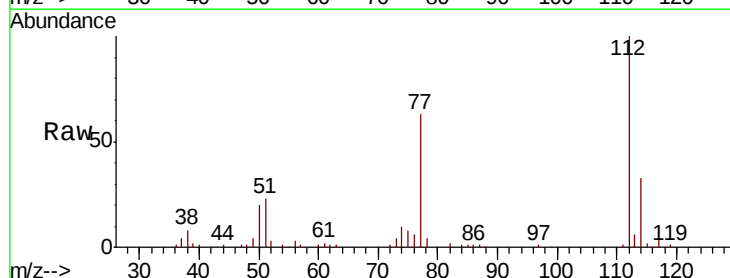


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

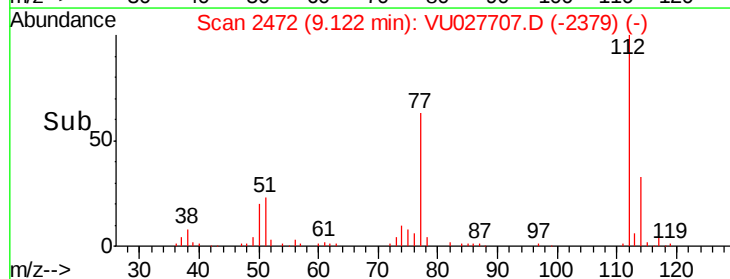
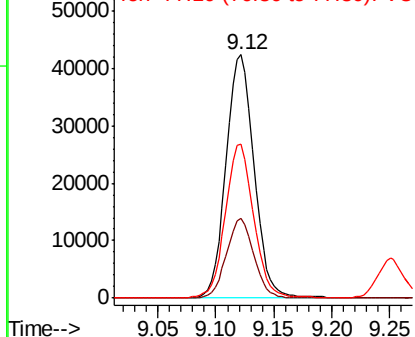


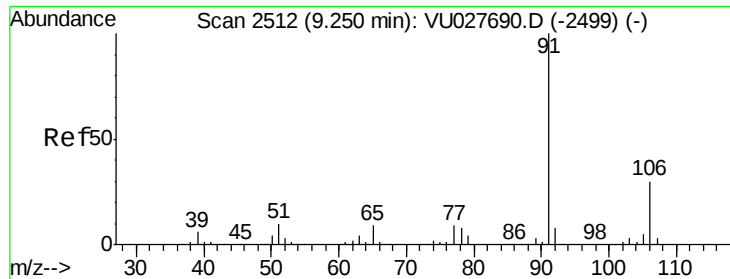
#51
Chlorobenzene
Concen: 4.842 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027707.D
Acq: 18 Oct 2018 19:54

Tgt Ion:112 Resp: 70802
Ion Ratio Lower Upper
112 100
114 32.9 23.4 43.6
77 63.1 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.908 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

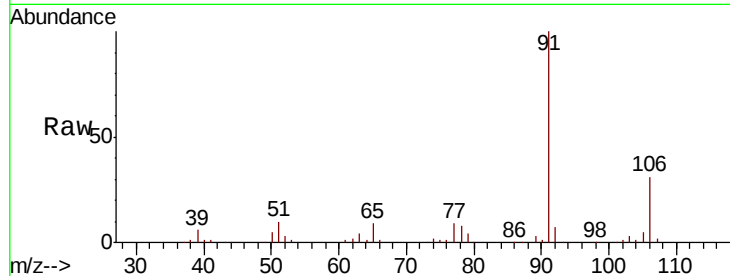
VSTD00553

Tgt Ion: 91 Resp: 129628

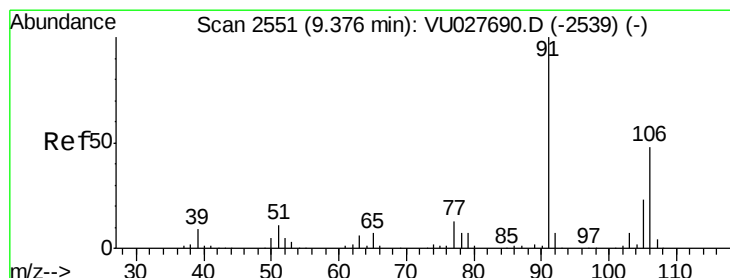
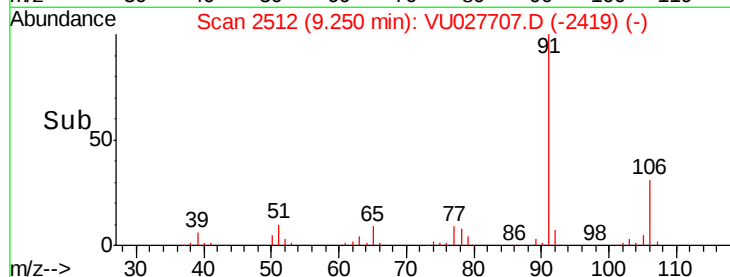
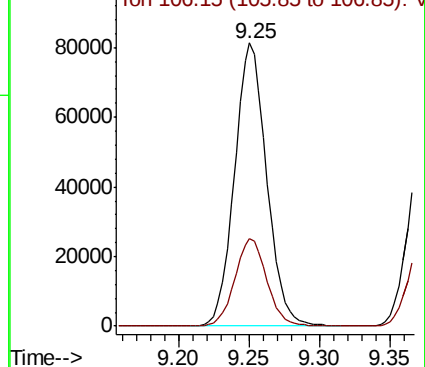
Ion Ratio Lower Upper

91 100

106 31.0 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU027707.D (-2419) (-)



#53

m,p-xylene

Concen: 4.815 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027707.D

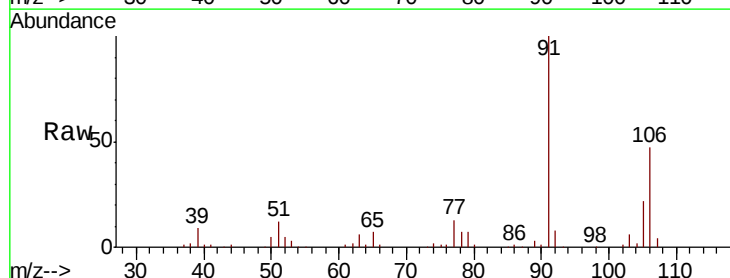
Acq: 18 Oct 2018 19:54

Tgt Ion: 106 Resp: 47329

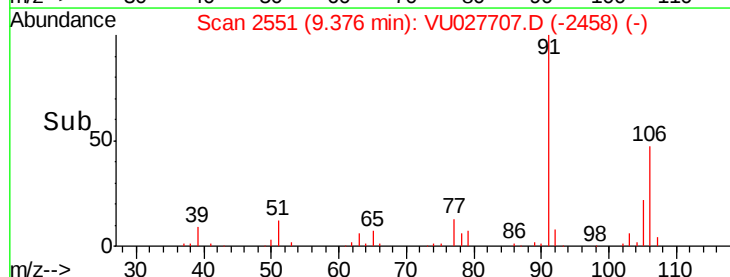
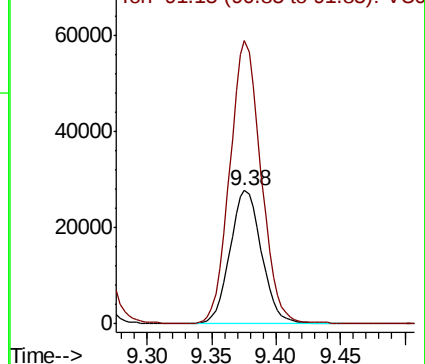
Ion Ratio Lower Upper

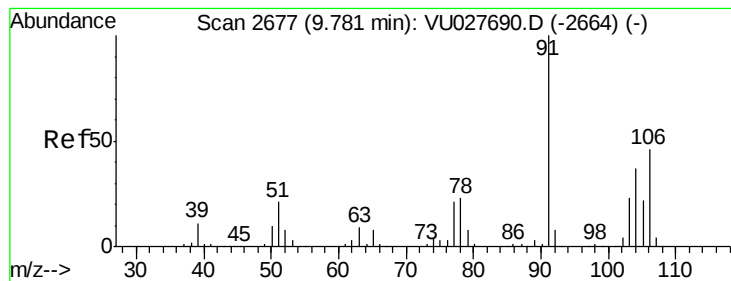
106 100

91 212.4 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU027707.D (-2458) (-)





#54

o-xylene

Concen: 4.799 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

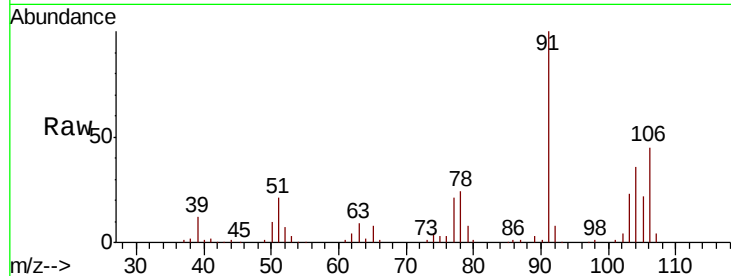
VSTD00553

Tgt Ion:106 Resp: 46305

Ion Ratio Lower Upper

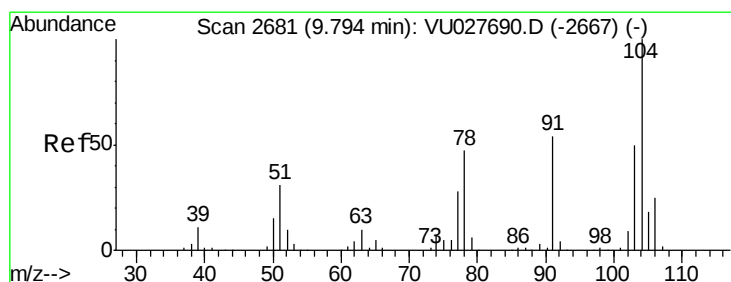
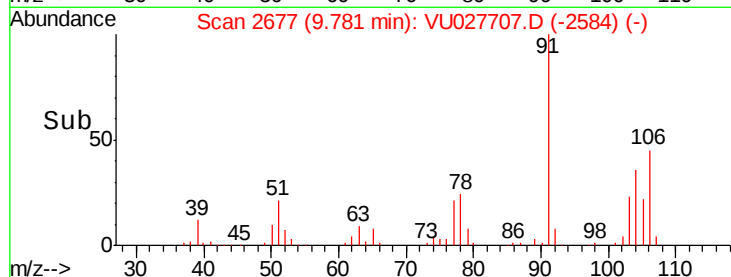
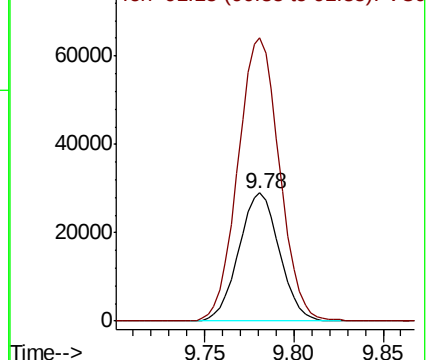
106 100

91 221.0 153.5 285.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.898 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027707.D

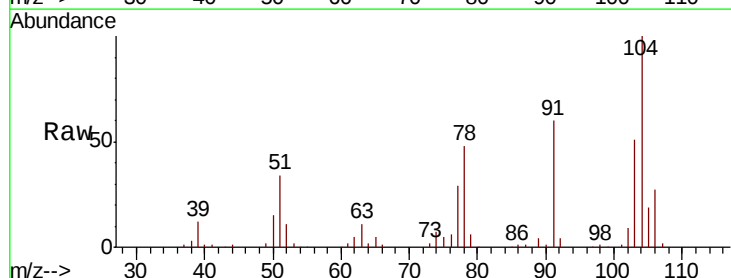
Acq: 18 Oct 2018 19:54

Tgt Ion:104 Resp: 79477

Ion Ratio Lower Upper

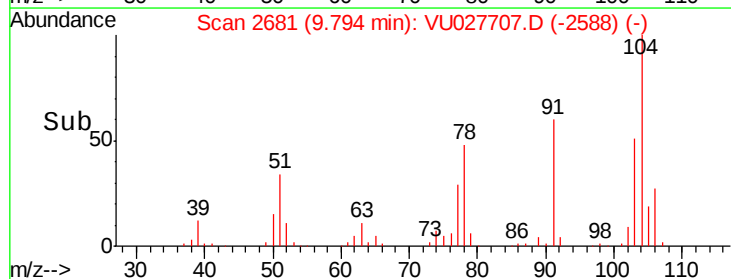
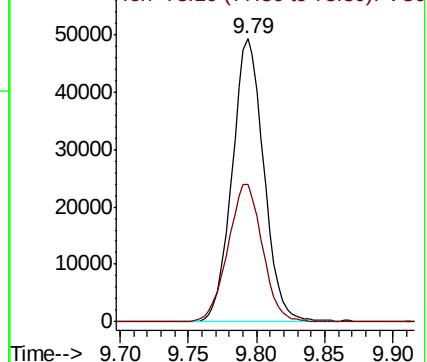
104 100

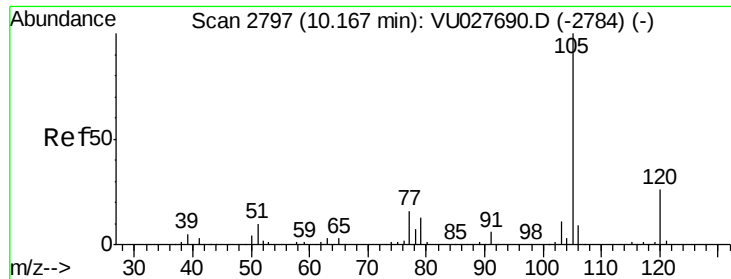
78 48.3 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.963 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

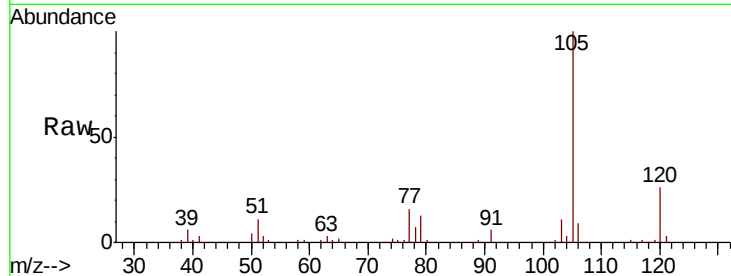
Tgt Ion: 105 Resp: 127344

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

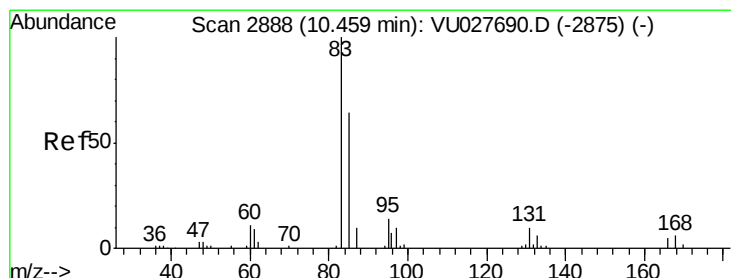
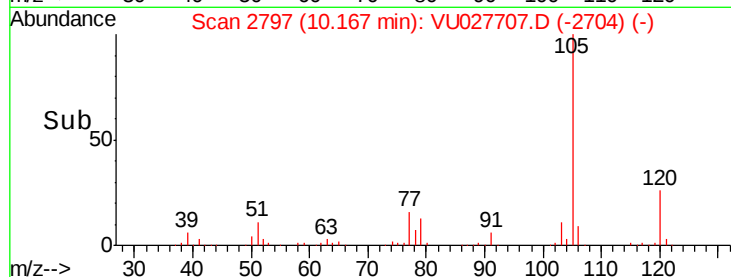
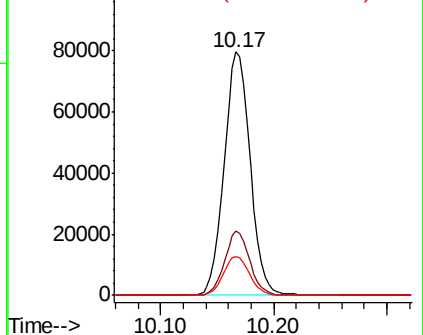
77 16.1 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.665 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

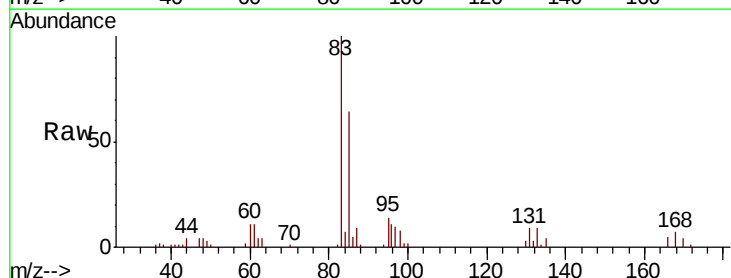
Tgt Ion: 83 Resp: 24991

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.7

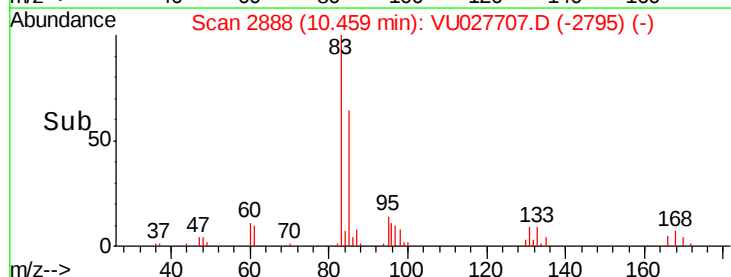
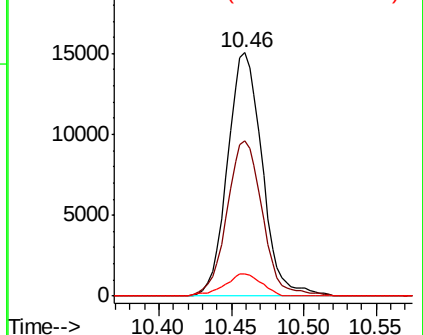
131 9.3 7.0 10.4

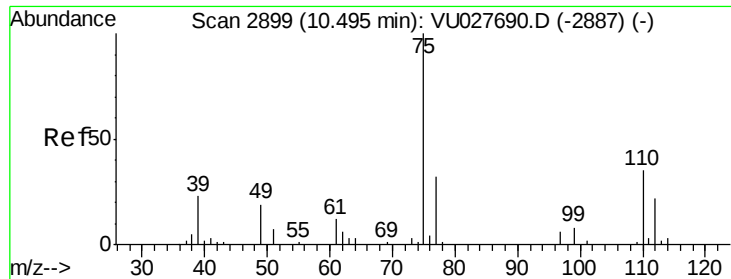


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

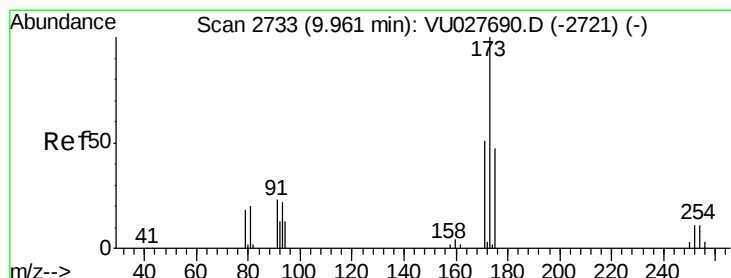
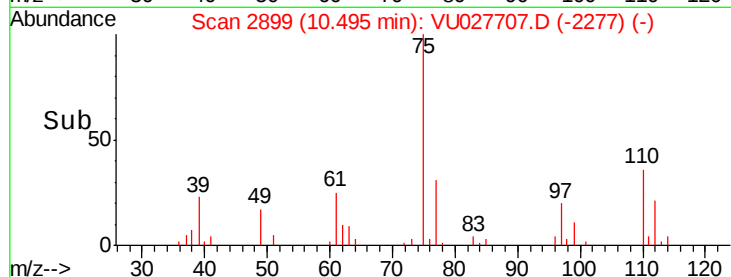
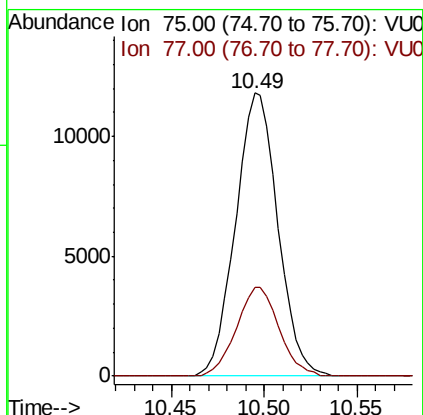
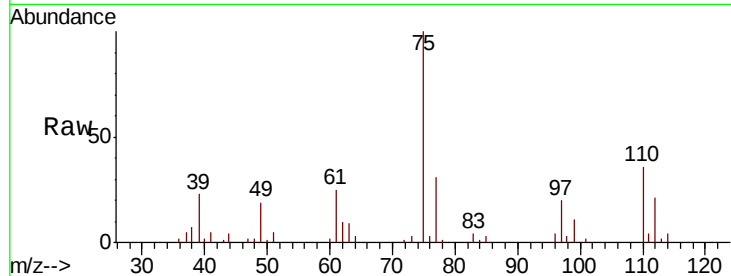




#59
 1,2,3-Trichloropropane
 Concen: 5.096 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

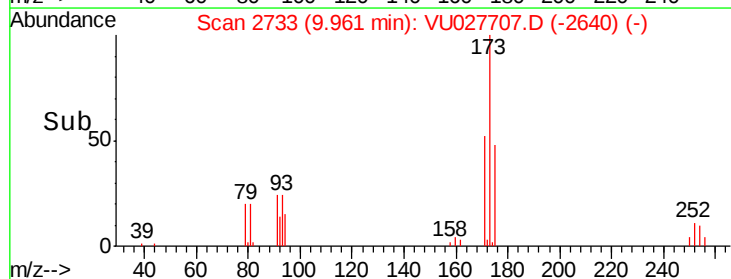
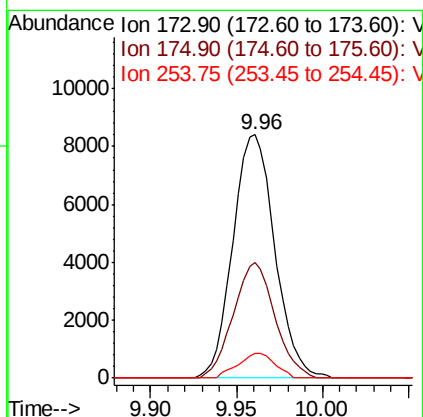
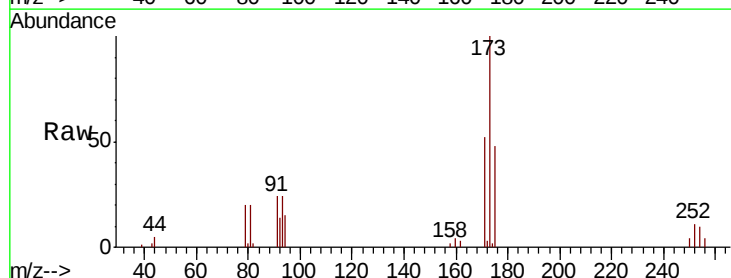
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

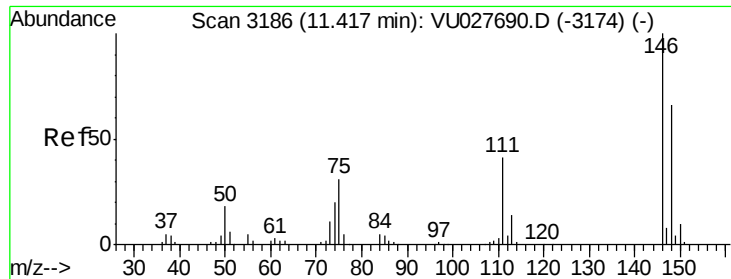
Tgt Ion: 75 Resp: 18654
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.9 40.3



#61
 Bromoform
 Concen: 4.681 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Tgt Ion: 173 Resp: 14251
 Ion Ratio Lower Upper
 173 100
 175 46.9 38.2 57.2
 254 8.9 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 4.958 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

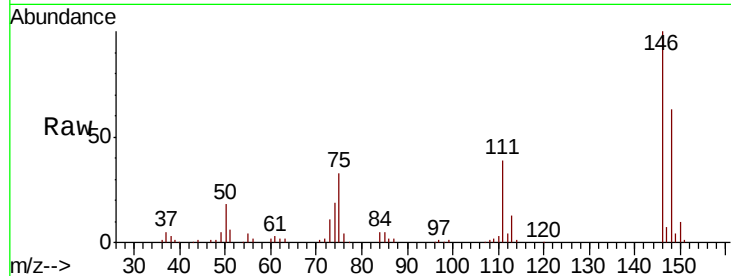
Tgt Ion:146 Resp: 55944

Ion Ratio Lower Upper

146 100

111 38.8 28.6 53.0

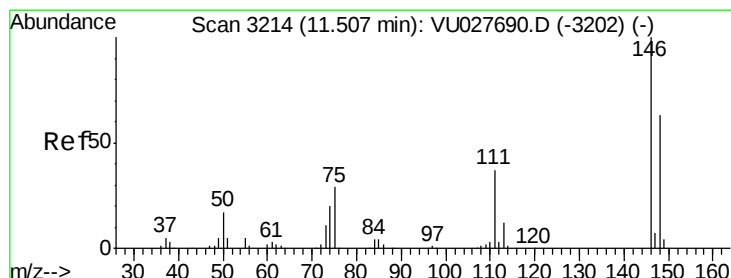
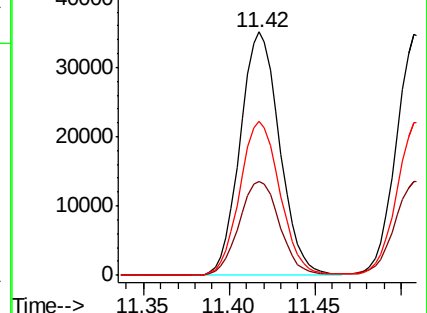
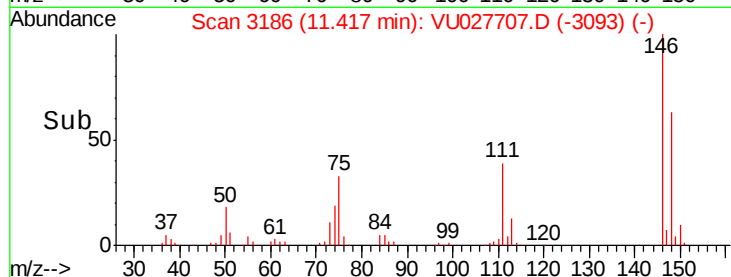
148 63.2 43.6 81.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.919 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

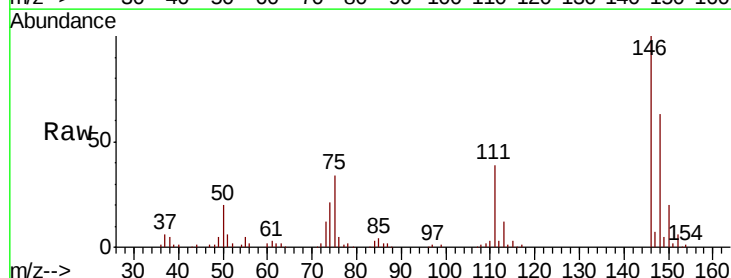
Tgt Ion:146 Resp: 55657

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.1

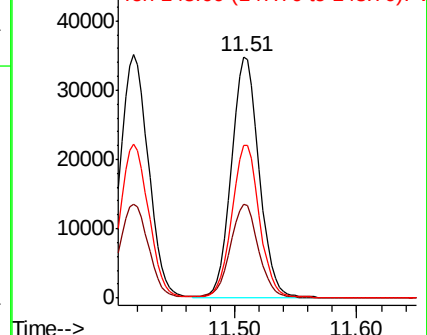
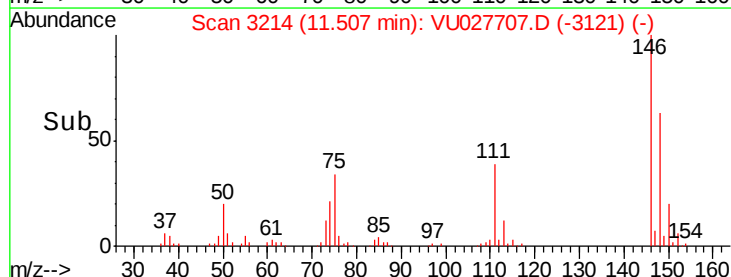
148 63.1 45.2 84.0

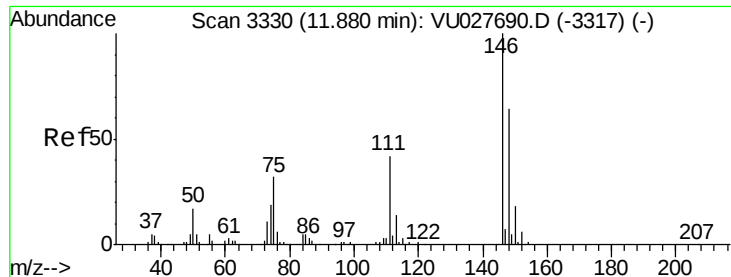


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.938 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

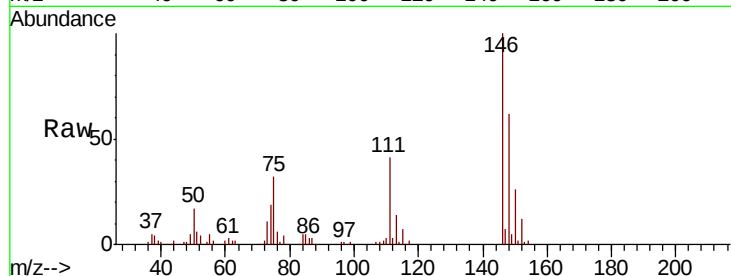
Tgt Ion:146 Resp: 53520

Ion Ratio Lower Upper

146 100

111 41.1 31.7 47.5

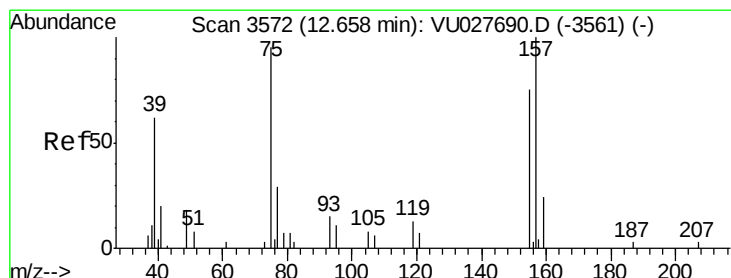
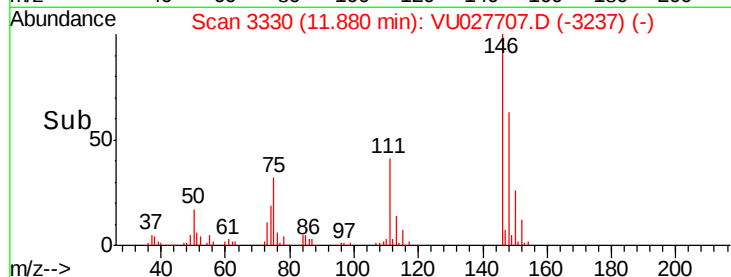
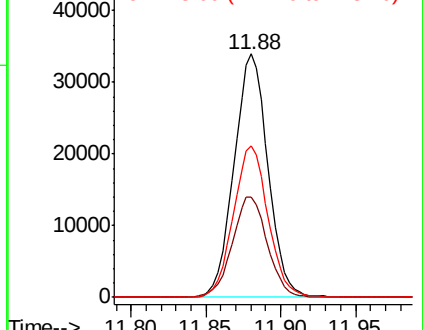
148 62.4 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.025 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

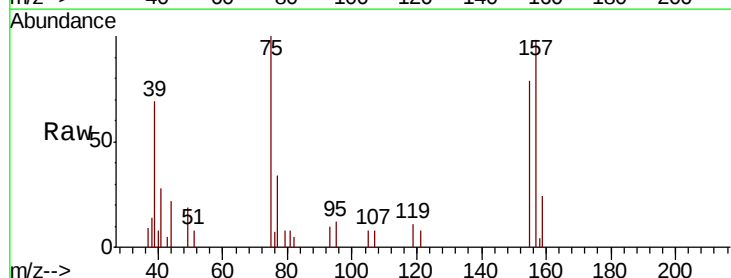
Tgt Ion: 75 Resp: 4484

Ion Ratio Lower Upper

75 100

155 79.4 68.3 102.5

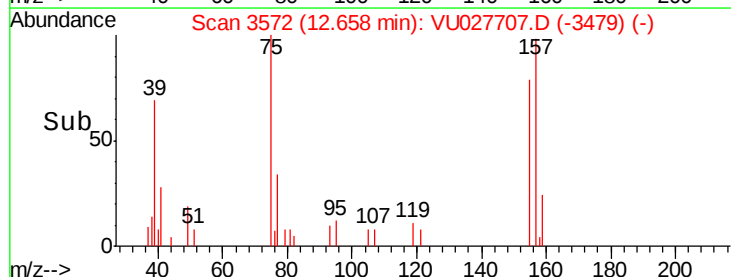
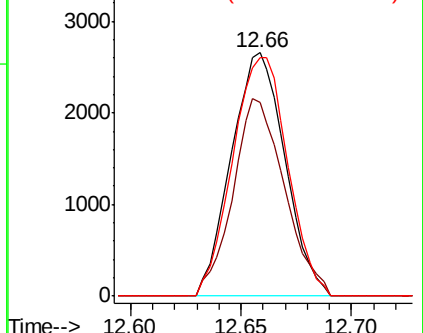
157 98.2 84.6 127.0

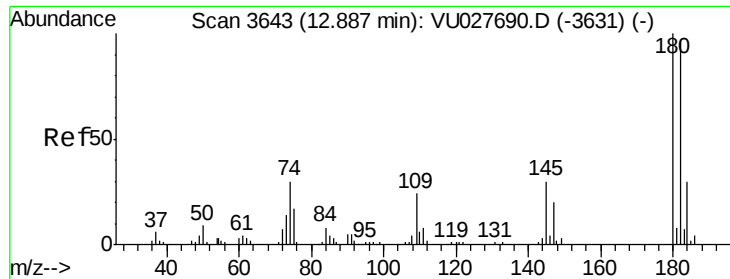


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

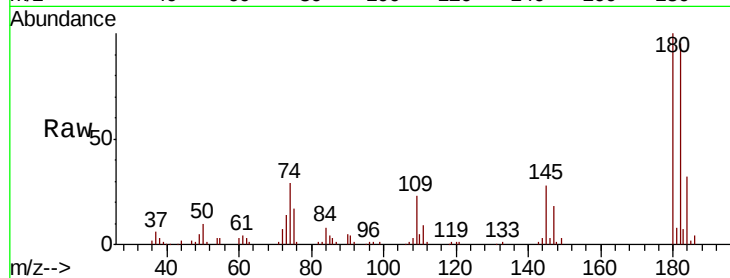




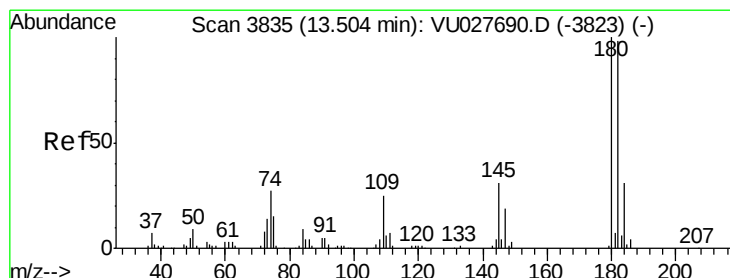
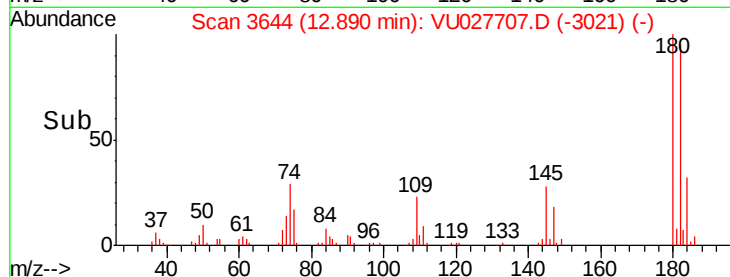
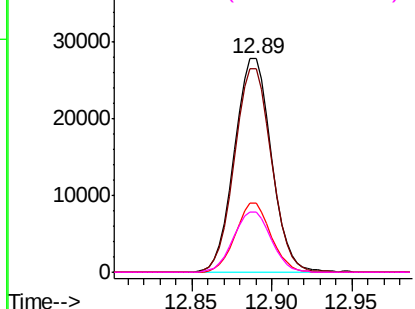
#67
 1,3,5-Trichlorobenzene
 Concen: 4.797 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Tgt Ion:180 Resp: 43935
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.0 115.4
 184 30.8 24.2 36.2
 145 28.6 22.6 33.8

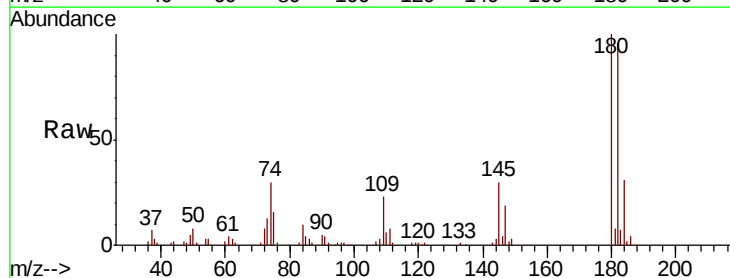


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

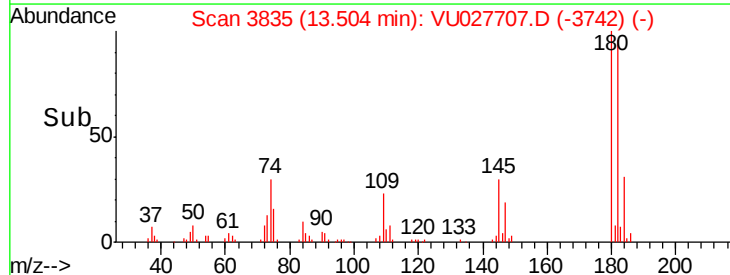
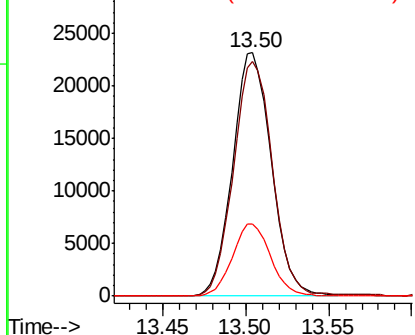


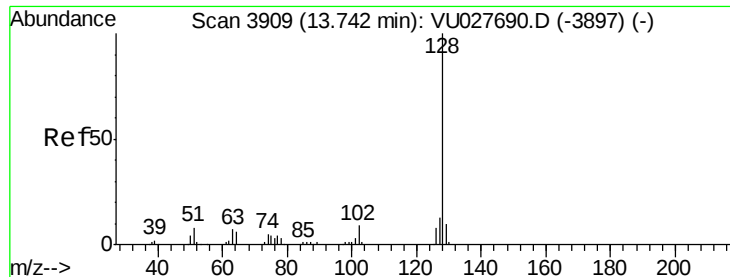
#68
 1,2,4-trichlorobenzene
 Concen: 4.762 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027707.D
 Acq: 18 Oct 2018 19:54

Tgt Ion:180 Resp: 37594
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.6 114.8
 145 29.1 22.2 33.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.891 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

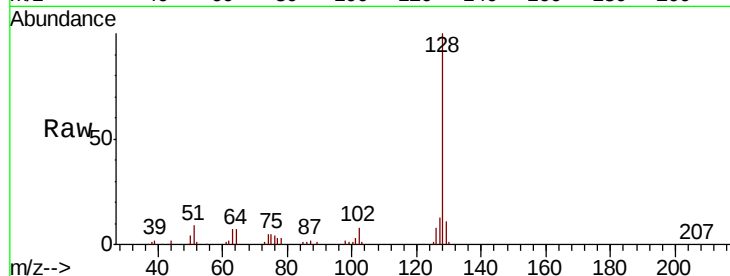
Tgt Ion:128 Resp: 64554

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

127 13.0 10.5 15.7

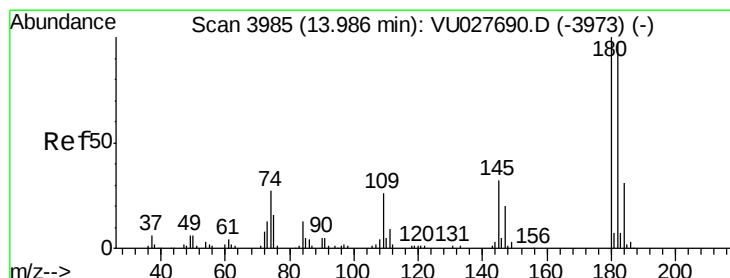
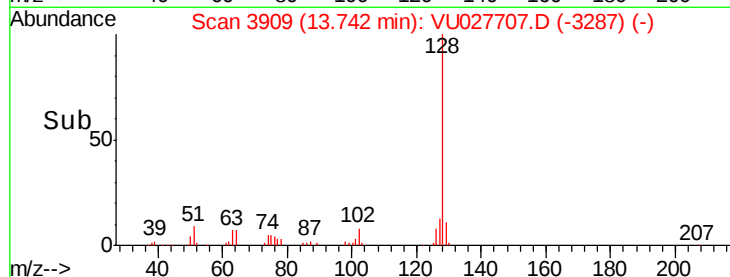
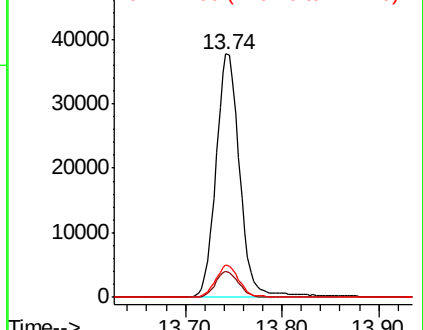


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.810 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027707.D

Acq: 18 Oct 2018 19:54

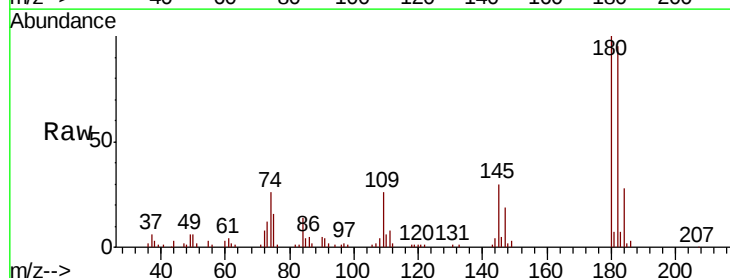
Tgt Ion:180 Resp: 35464

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 30.2 24.4 36.6



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

