

Data File : VU027901.D
Acq On : 01 Nov 2018 15:34
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Quant Time: Nov 02 08:09:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 02 08:02:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	74925	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	72476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37239	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23955	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.68	69	17986	3.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.60%
11) 1,1-Dichloroethene-d2	2.28	63	49472	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	4.20	46	81809	46.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.70%
24) Chloroform-d	4.65	84	46030	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.31	65	29883	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.34	84	85325	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.33	67	31577	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.57	98	81678	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.85	79	11951	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.31	63	67447	45.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23581	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	31078	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	36055	4.888 ug/L	98
3) Chloromethane	1.33	50	35221	4.815 ug/L	100
5) Vinyl chloride	1.40	62	33864	4.650 ug/L	98
6) Bromomethane	1.63	94	12269	5.127 ug/L	98
8) Chloroethane	1.70	64	19030	4.458 ug/L	98
9) Trichlorofluoromethane	1.89	101	49053	5.073 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	23281	4.719 ug/L	99
12) 1,1-Dichloroethene	2.28	96	21494	4.619 ug/L	90
13) Acetone	2.32	43	49490	44.958 ug/L	92
14) Carbon disulfide	2.48	76	68009	4.091 ug/L	99
15) Methyl Acetate	2.62	43	11938	4.051 ug/L	93
16) Methylene chloride	2.70	84	23528	4.500 ug/L	97
17) Methyl tert-butyl Ether	3.01	73	64927	4.680 ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	22895	4.628 ug/L	96
19) 1,1-Dichloroethane	3.45	63	49070	4.699 ug/L	98
21) 2-Butanone	4.28	43	87785	45.867 ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	25920	4.533 ug/L	92

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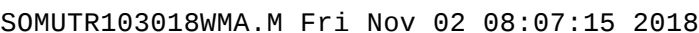
Instrument :
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VSTD00551

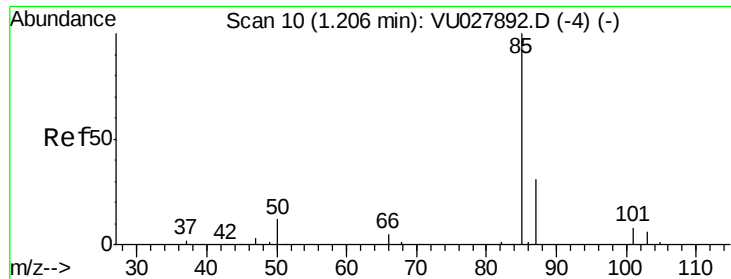
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	10796	4.557	ug/L	96
25) Chloroform	4.68	83	54019	5.103	ug/L	96
27) 1,2-Dichloroethane	5.41	62	38978	5.276	ug/L #	93
29) 1,1,1-Trichloroethane	4.91	97	46886	5.013	ug/L	98
30) Cyclohexane	4.99	56	48083	4.376	ug/L	98
31) Carbon tetrachloride	5.13	117	39559	4.929	ug/L	100
33) Benzene	5.39	78	104533	4.555	ug/L	100
34) Trichloroethene	6.19	95	28176	4.717	ug/L	99
35) Methylcyclohexane	6.41	83	44294	4.359	ug/L	99
37) 1,2-Dichloropropane	6.44	63	30065	4.598	ug/L	98
38) Bromodichloromethane	6.76	83	36249	4.742	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	41809	4.461	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	215452	46.642	ug/L	98
42) Toluene	7.64	91	111418	4.640	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	35691	4.439	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	18113	4.504	ug/L	93
47) Tetrachloroethene	8.23	164	21140	4.606	ug/L	96
48) 2-Hexanone	8.37	43	158537	47.607	ug/L	98
49) Dibromochloromethane	8.48	129	22466	4.625	ug/L	100
50) 1,2-Dibromoethane	8.59	107	17387	4.518	ug/L	99
51) Chlorobenzene	9.12	112	67547	4.534	ug/L	99
52) Ethylbenzene	9.25	91	128147	4.680	ug/L	97
53) m,p-xylene	9.38	106	45521	4.585	ug/L	100
54) o-xylene	9.78	106	43686	4.480	ug/L	95
55) Styrene	9.79	104	76660	4.690	ug/L	100
56) Isopropylbenzene	10.17	105	124418	4.683	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	24420	4.656	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	18490	4.666	ug/L	98
61) Bromoform	9.96	173	12475	4.554	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	56381	4.707	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	55421	4.629	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	52684	4.659	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	4001	4.514	ug/L	87
67) 1,3,5-Trichlorobenzene	12.89	180	45438	4.714	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	38232	4.664	ug/L	97
69) Naphthalene	13.75	128	58873	4.619	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	35149	4.708	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 4.888 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

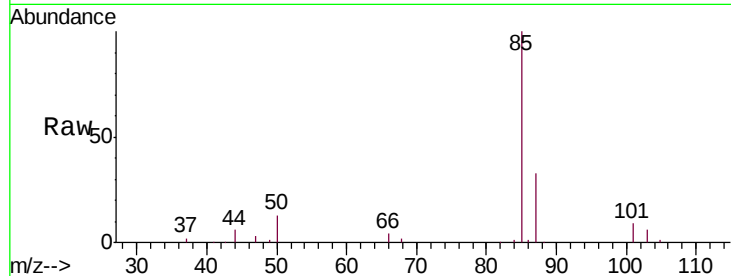
VSTD00551

Tgt Ion: 85 Resp: 36055

Ion Ratio Lower Upper

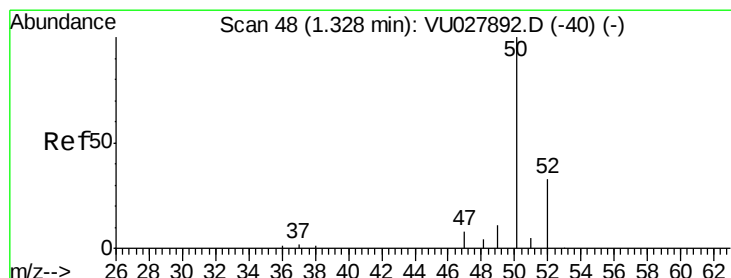
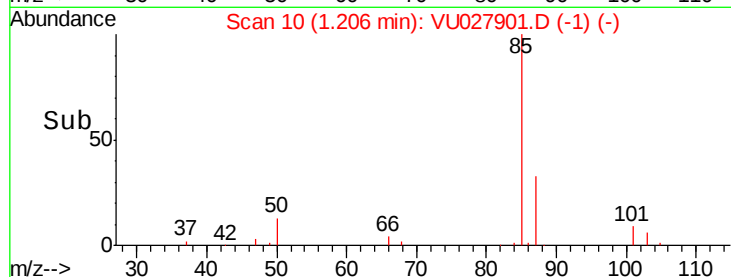
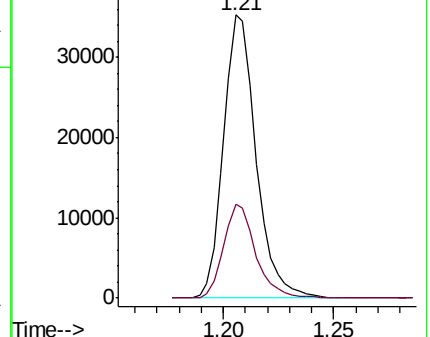
85 100

87 32.4 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU027892.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027892.D (-4) (-)



#3

Chloromethane

Concen: 4.815 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027901.D

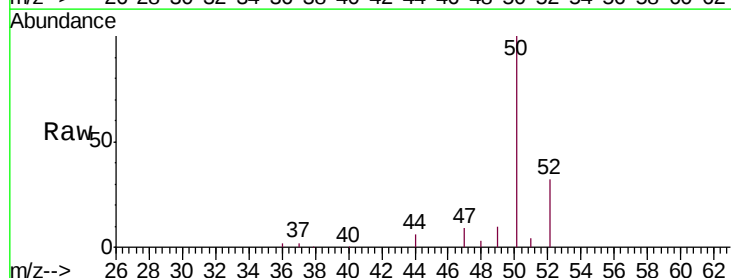
Acq: 01 Nov 2018 15:34

Tgt Ion: 50 Resp: 35221

Ion Ratio Lower Upper

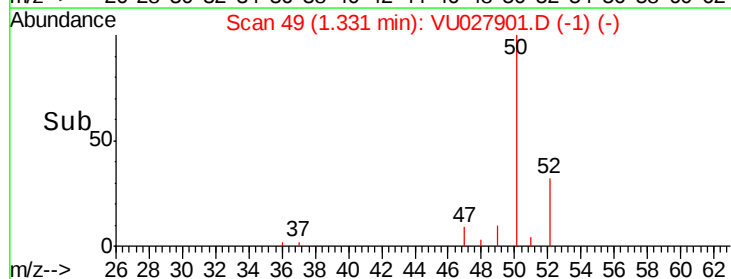
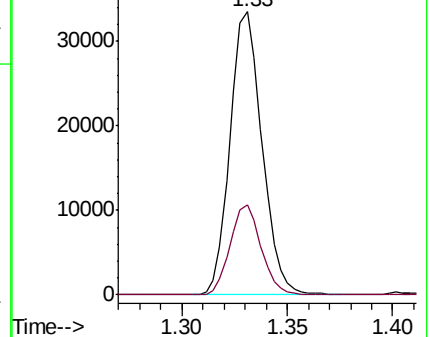
50 100

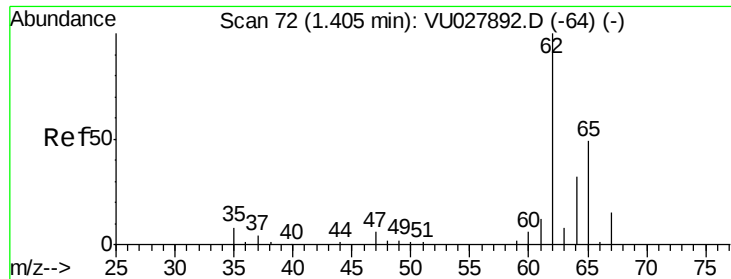
52 31.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU027892.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU027892.D (-40) (-)





#5

Vinyl chloride

Concen: 4.650 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

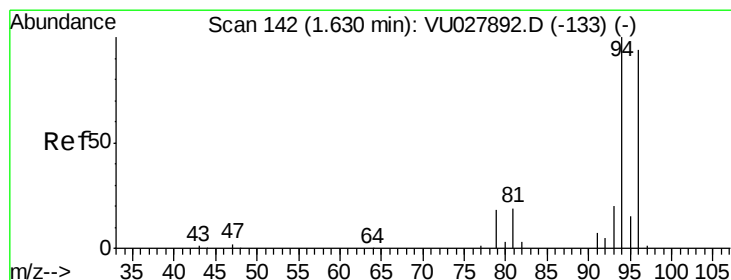
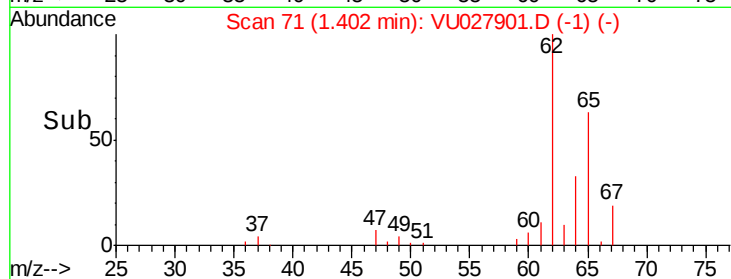
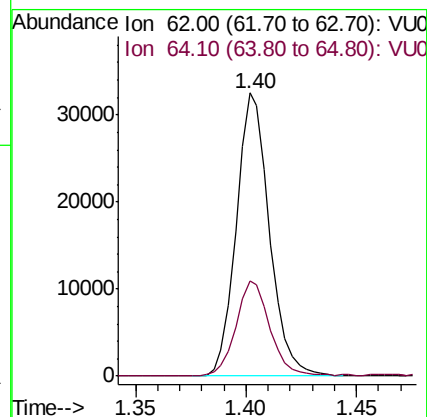
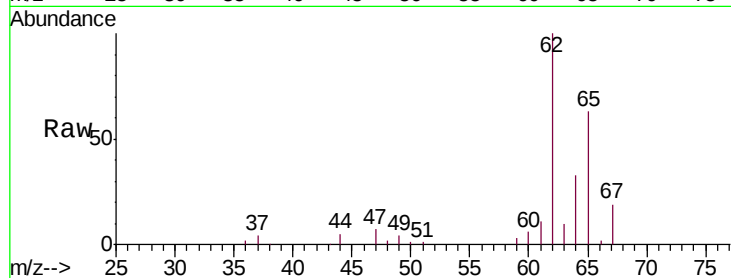
VSTD00551

Tgt Ion: 62 Resp: 33864

Ion Ratio Lower Upper

62 100

64 33.4 24.0 44.6



#6

Bromomethane

Concen: 5.127 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027901.D

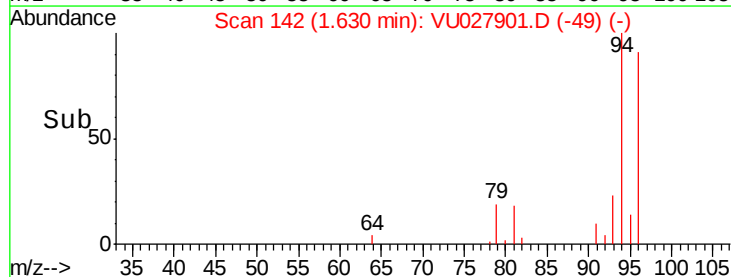
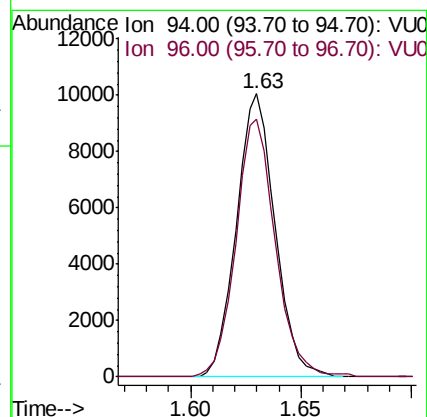
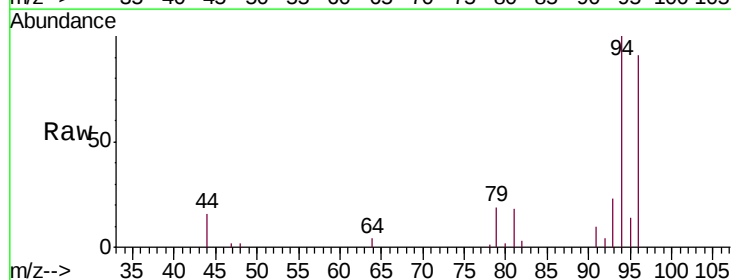
Acq: 01 Nov 2018 15:34

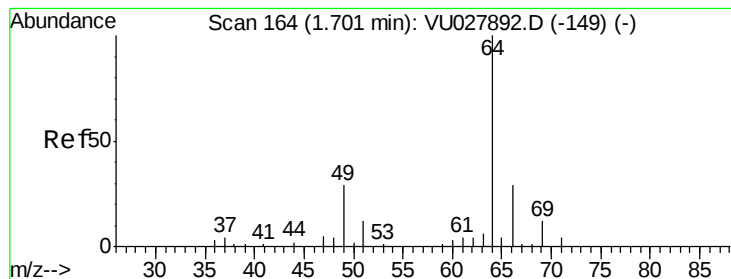
Tgt Ion: 94 Resp: 12269

Ion Ratio Lower Upper

94 100

96 91.3 65.0 120.6





#8

Chloroethane

Concen: 4.458 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

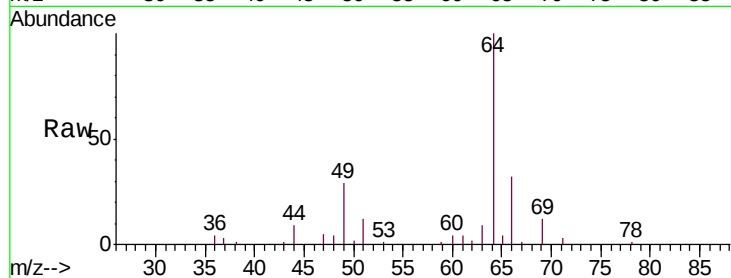
VSTD00551

Tgt Ion: 64 Resp: 19030

Ion Ratio Lower Upper

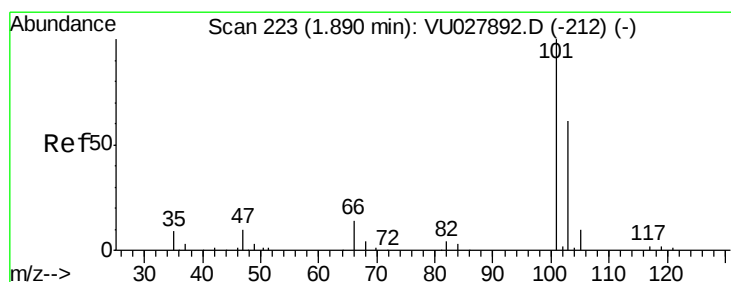
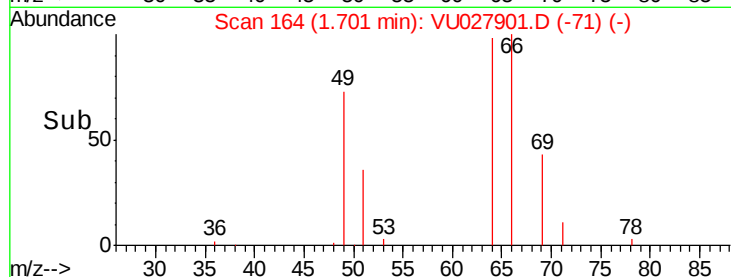
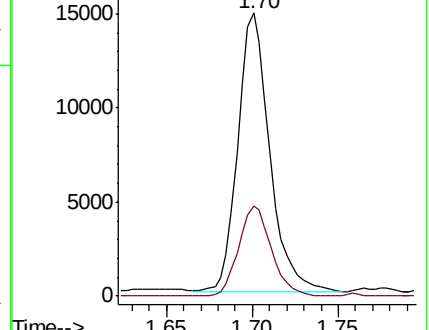
64 100

66 32.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU027892.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VU027892.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 5.073 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027901.D

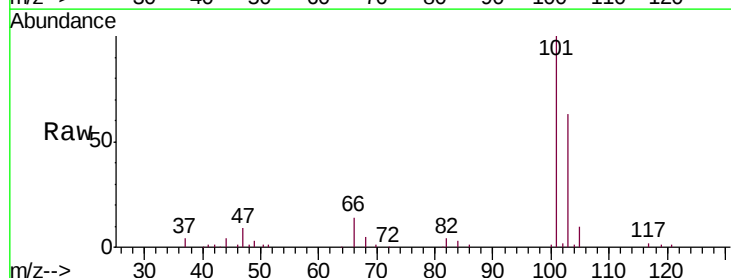
Acq: 01 Nov 2018 15:34

Tgt Ion: 101 Resp: 49053

Ion Ratio Lower Upper

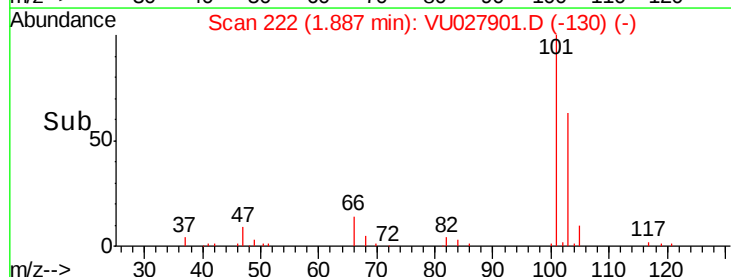
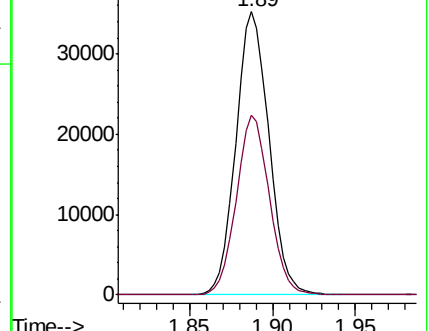
101 100

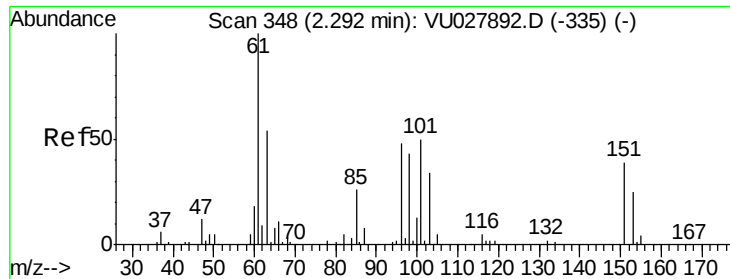
103 63.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU027892.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027892.D (-212) (-)





#10

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

Concen: 4.719 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

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ClientSampleId :

VSTD00551

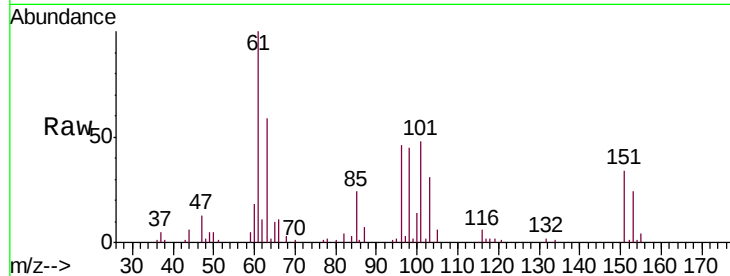
Tgt Ion: 101 Resp: 23281

Ion Ratio Lower Upper

101 100

85 47.8 37.1 55.7

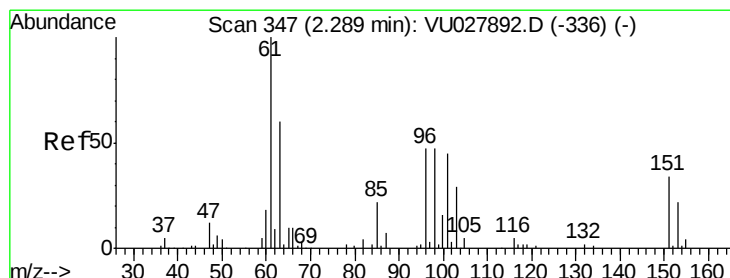
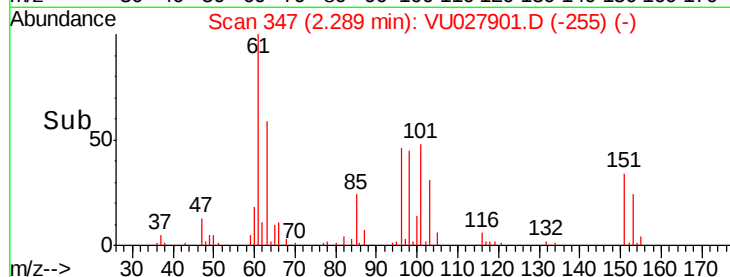
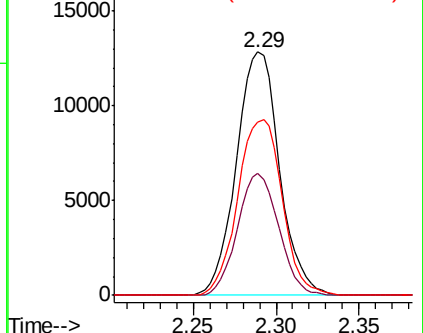
151 74.5 59.9 89.9



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: 4.619 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

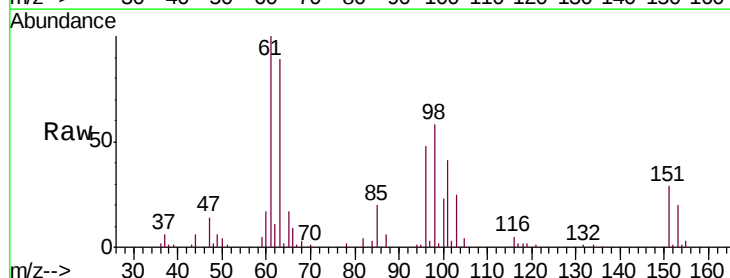
Tgt Ion: 96 Resp: 21494

Ion Ratio Lower Upper

96 100

61 208.3 141.1 262.1

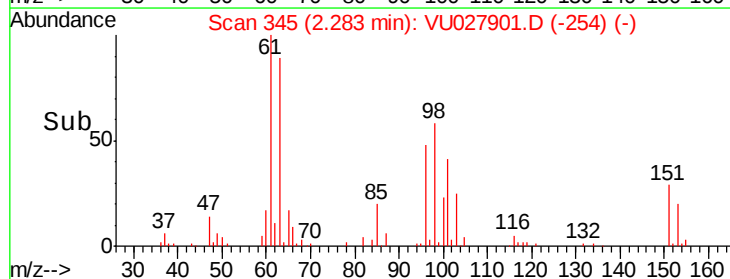
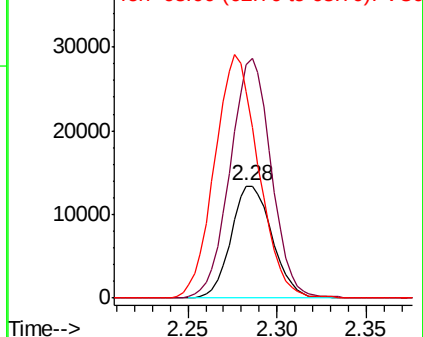
63 185.1 113.0 209.9

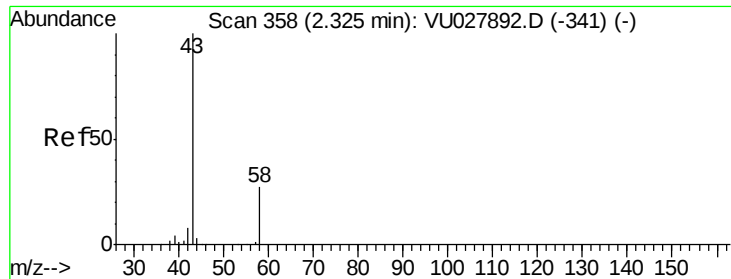


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.958 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

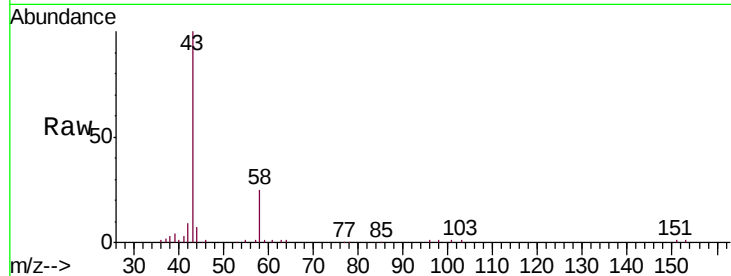
VSTD00551

Tgt Ion: 43 Resp: 49490

Ion Ratio Lower Upper

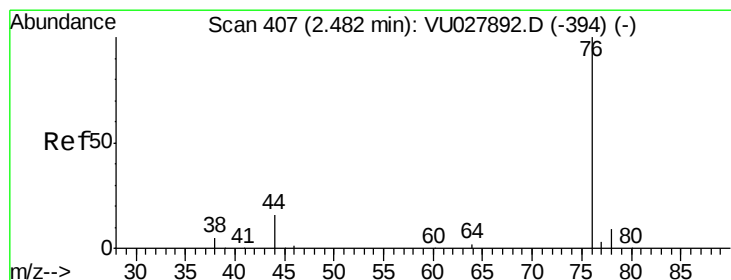
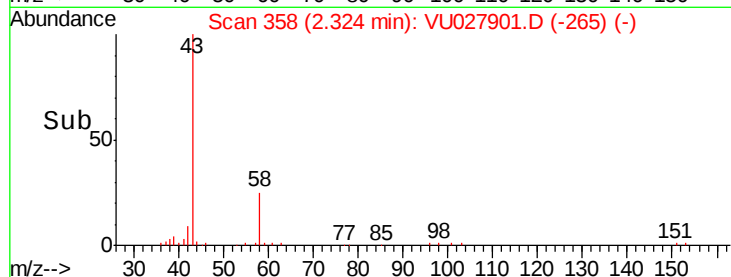
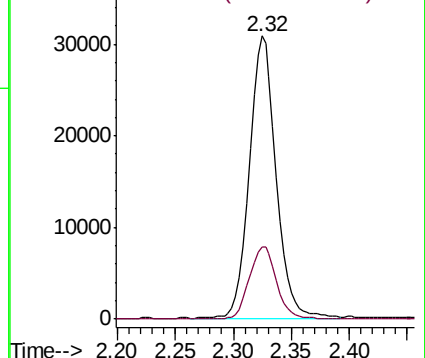
43 100

58 26.2 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU027892.D (-341) (-)

Ion 58.05 (57.75 to 58.75): VU027892.D (-341) (-)



#14

Carbon disulfide

Concen: 4.091 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027901.D

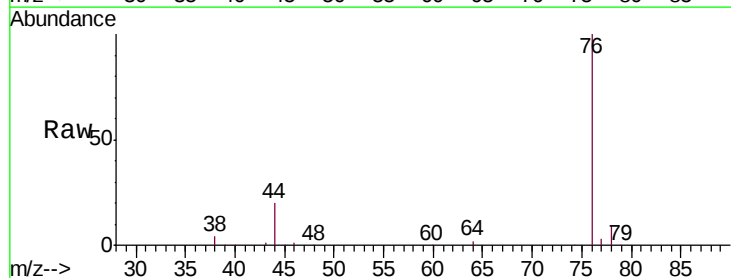
Acq: 01 Nov 2018 15:34

Tgt Ion: 76 Resp: 68009

Ion Ratio Lower Upper

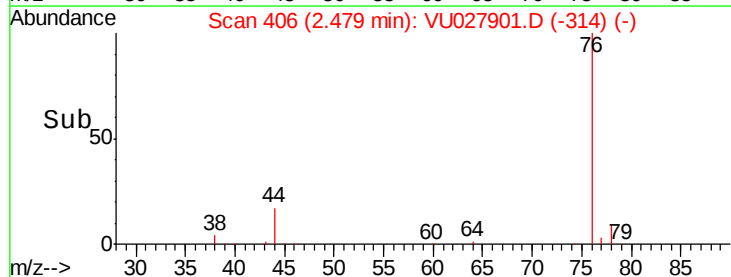
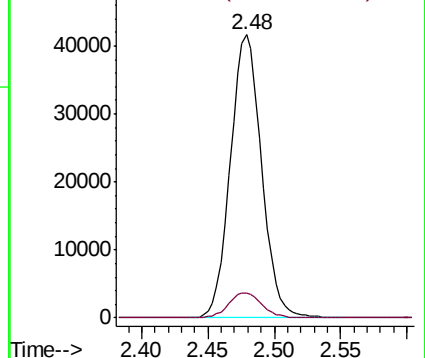
76 100

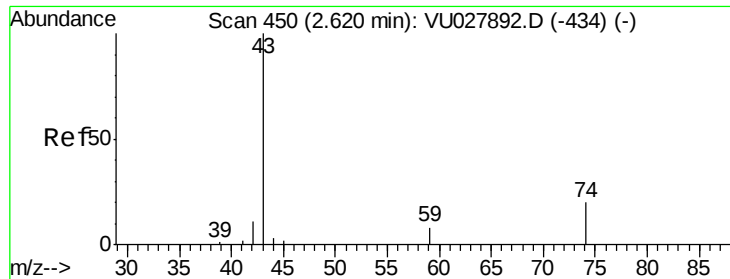
78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU027892.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027892.D (-394) (-)

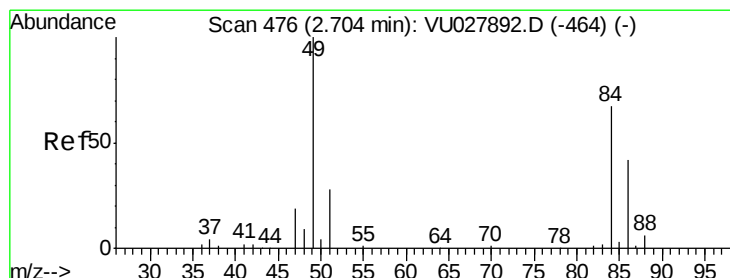
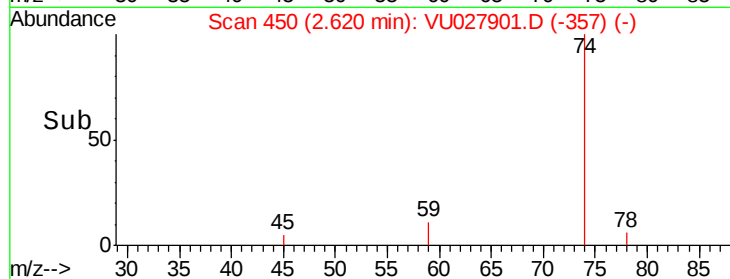
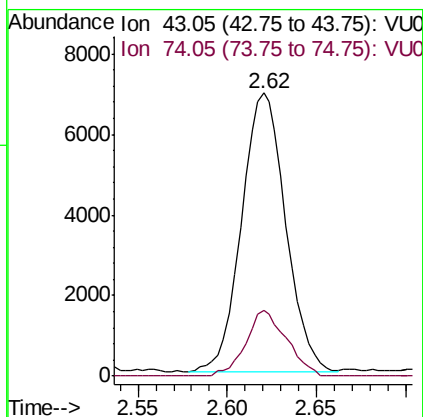
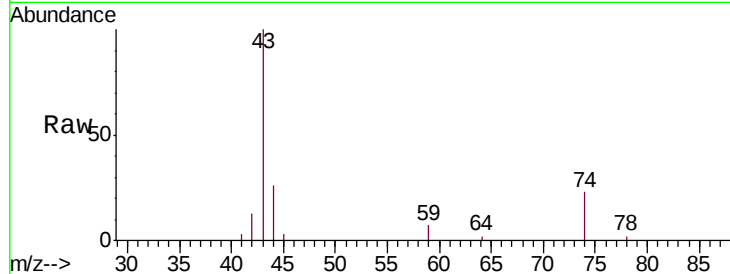




#15
Methyl Acetate
Concen: 4.051 ug/L
RT: 2.62 min Scan# 450
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

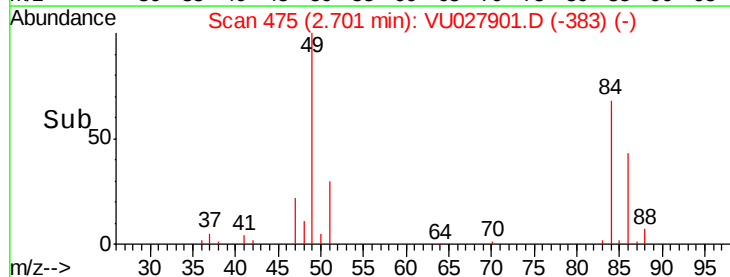
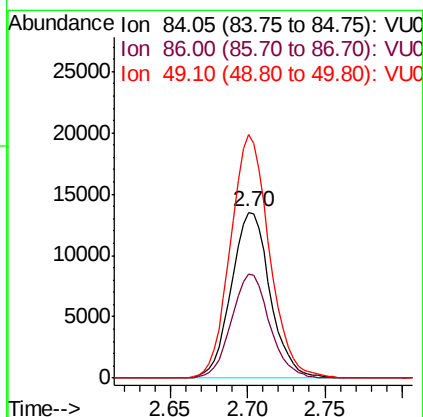
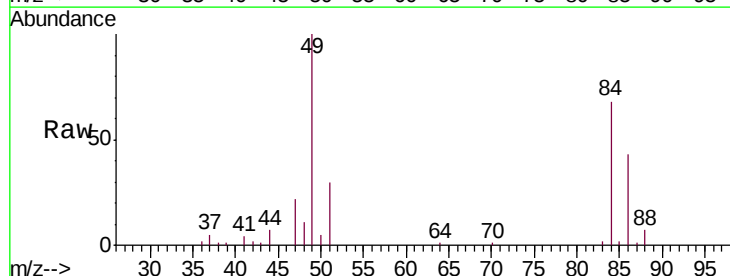
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

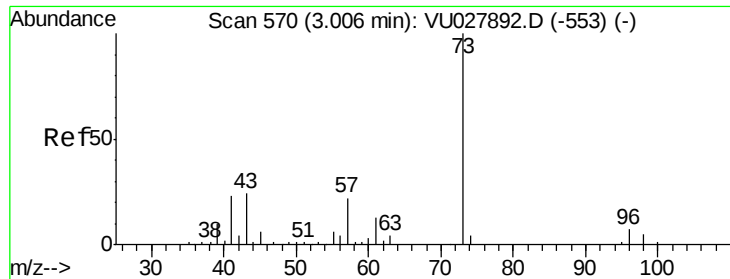
Tgt Ion: 43 Resp: 11938
Ion Ratio Lower Upper
43 100
74 21.7 14.9 22.3



#16
Methylene chloride
Concen: 4.500 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion: 84 Resp: 23528
Ion Ratio Lower Upper
84 100
86 62.9 46.7 86.7
49 147.0 101.3 188.1

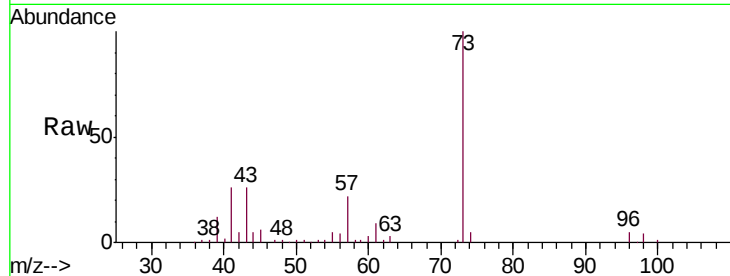




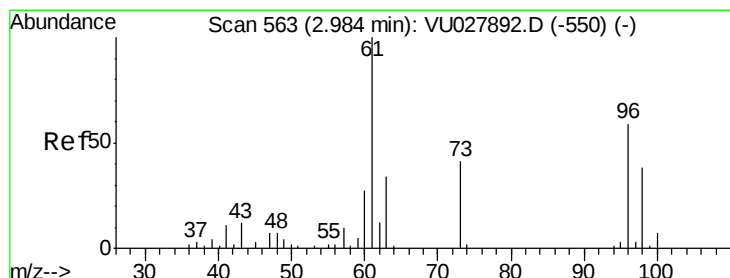
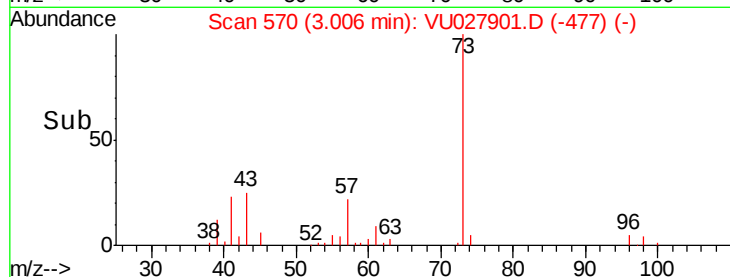
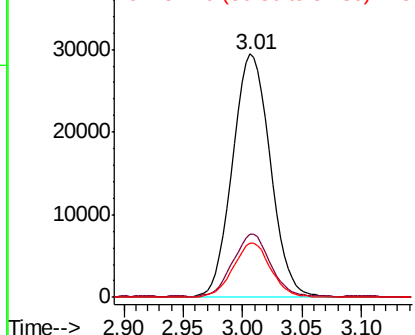
#17
Methyl tert-butyl Ether
Concen: 4.680 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion: 73 Resp: 64927
Ion Ratio Lower Upper
73 100
43 25.3 18.7 28.1
57 22.1 18.7 28.1

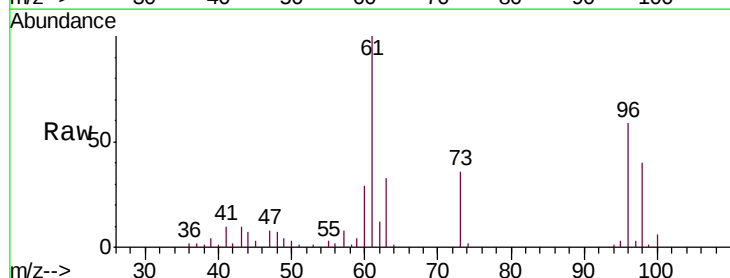


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

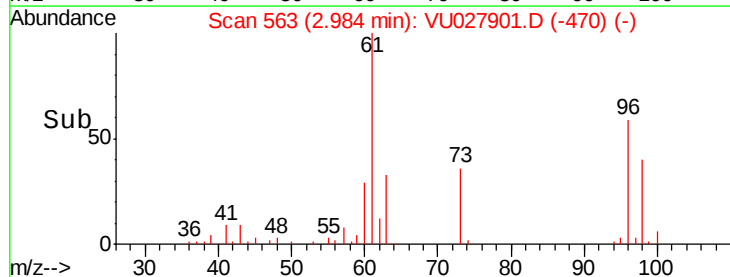
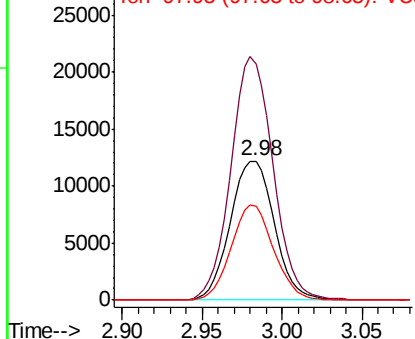


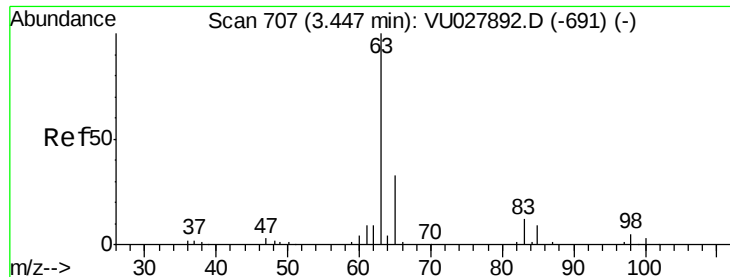
#18
trans-1,2-Dichloroethene
Concen: 4.628 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion: 96 Resp: 22895
Ion Ratio Lower Upper
96 100
61 169.1 115.2 214.0
98 67.6 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

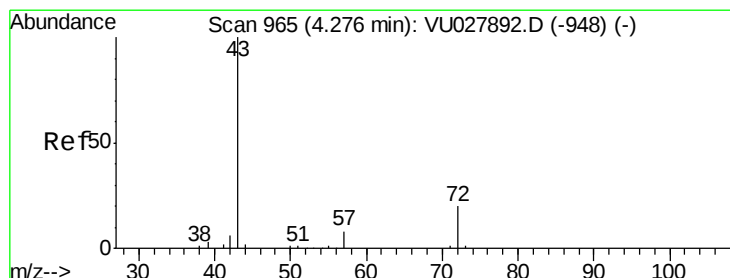
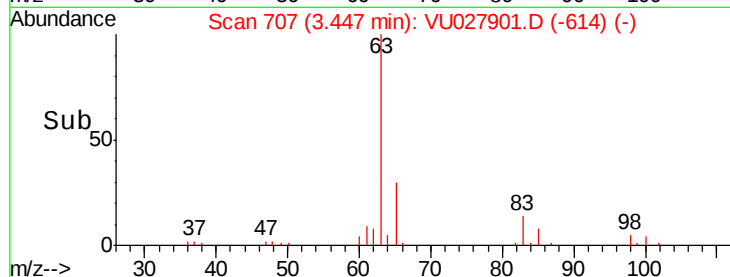
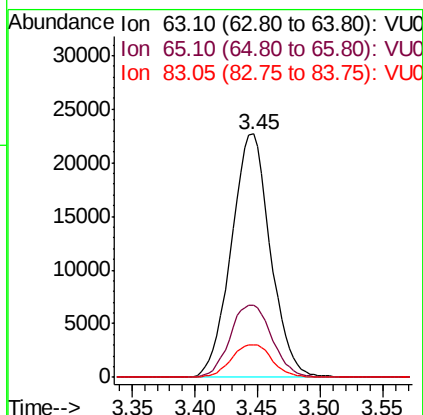
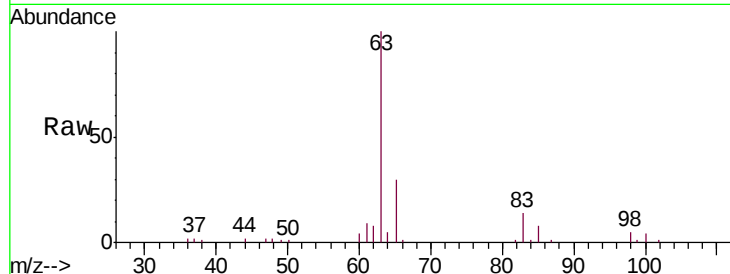




#19
 1,1-Dichloroethane
 Concen: 4.699 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

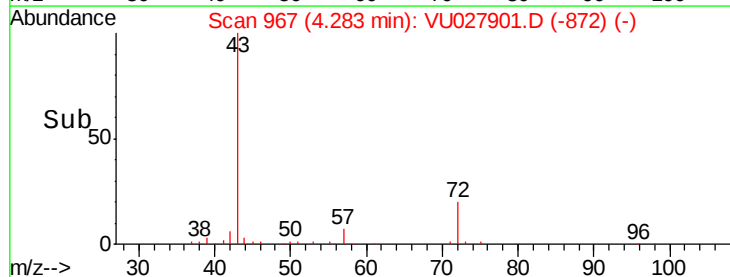
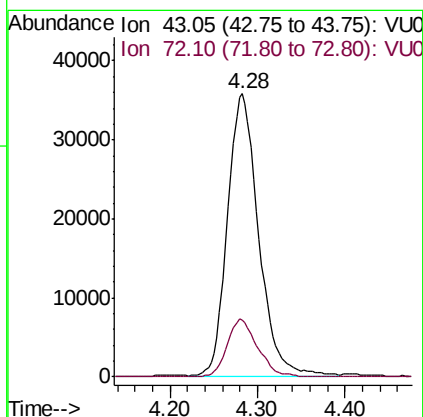
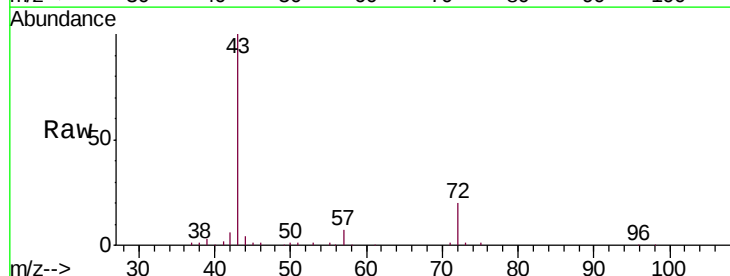
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

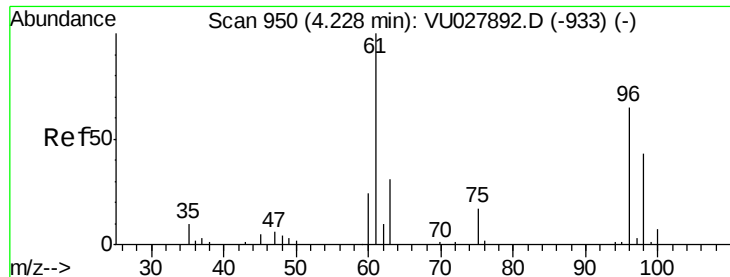
Tgt Ion: 63 Resp: 49070
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.8 40.4
 83 13.6 9.4 17.4



#21
 2-Butanone
 Concen: 45.867 ug/L
 RT: 4.28 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Tgt Ion: 43 Resp: 87785
 Ion Ratio Lower Upper
 43 100
 72 20.3 10.9 32.9



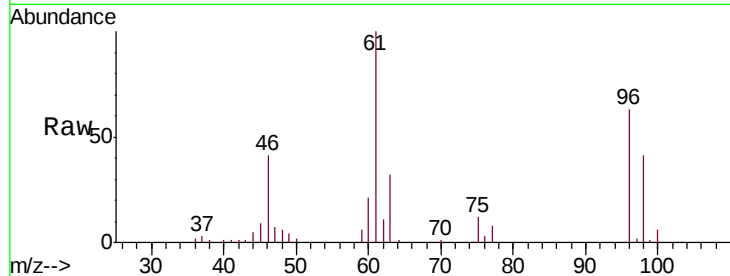


#22

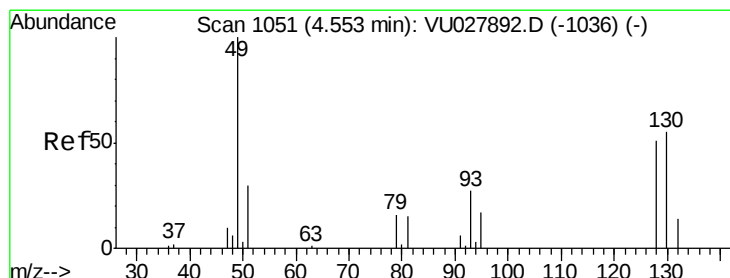
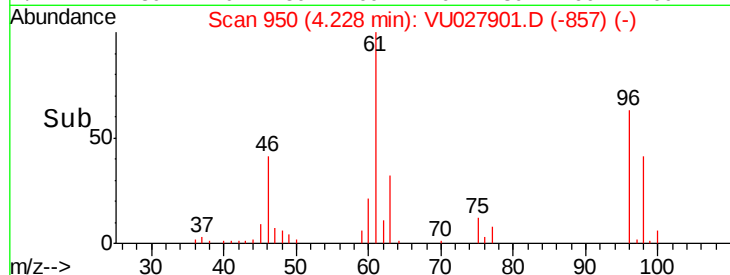
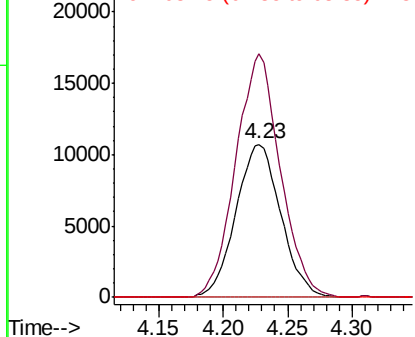
cis-1,2-Dichloroethene
Concen: 4.533 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion: 96 Resp: 25920
Ion Ratio Lower Upper
96 100
61 158.8 104.0 193.2
68 0.0 0.0 0.0



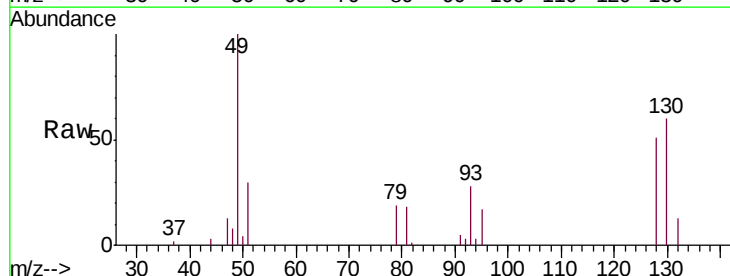
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



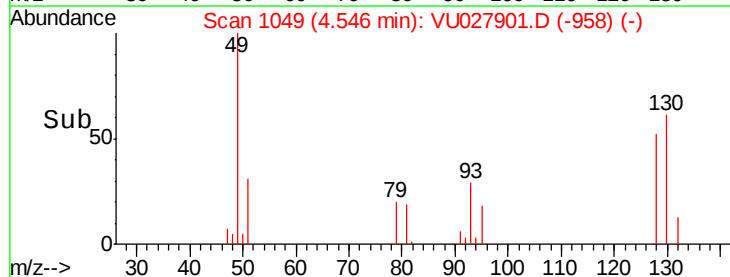
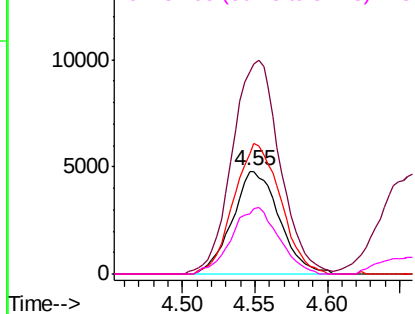
#23

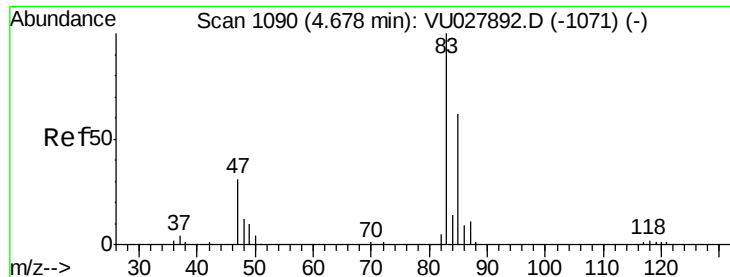
Bromochloromethane
Concen: 4.557 ug/L
RT: 4.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion:128 Resp: 10796
Ion Ratio Lower Upper
128 100
49 197.0 142.0 263.8
130 117.8 86.1 159.9
51 58.8 50.4 75.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

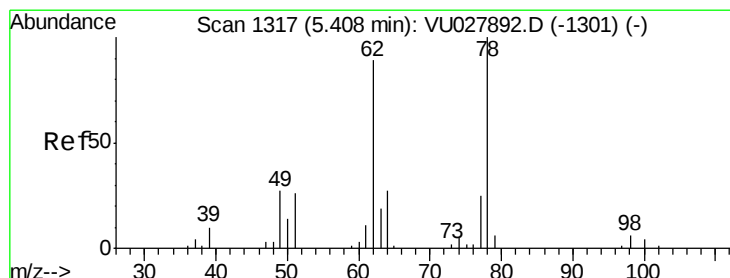
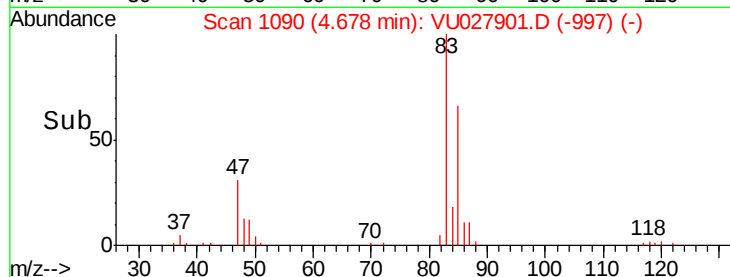
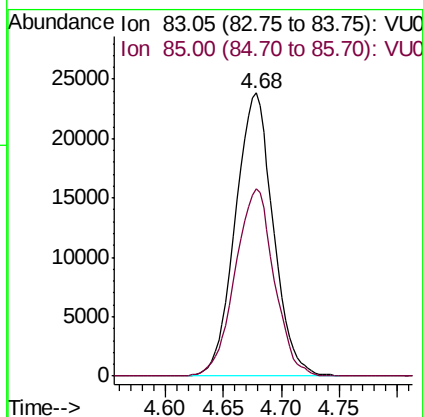
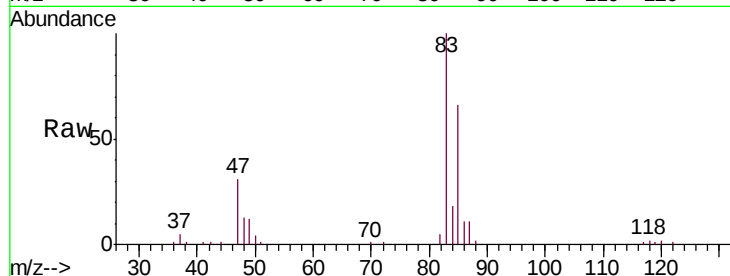




#25
Chloroform
Concen: 5.103 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

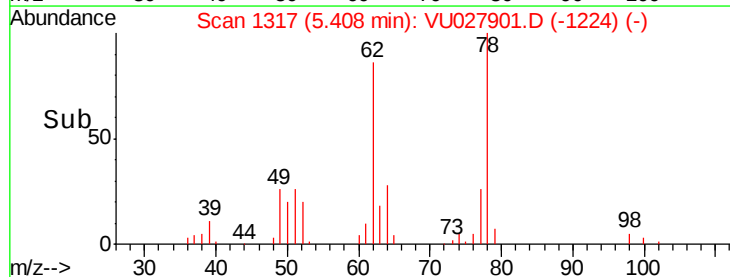
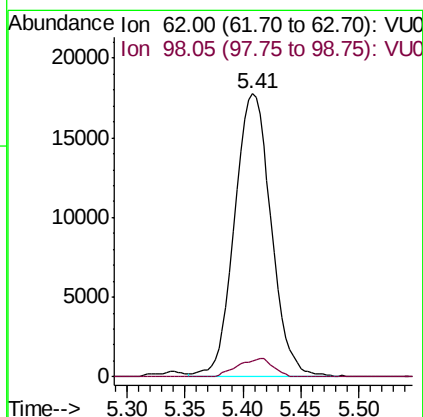
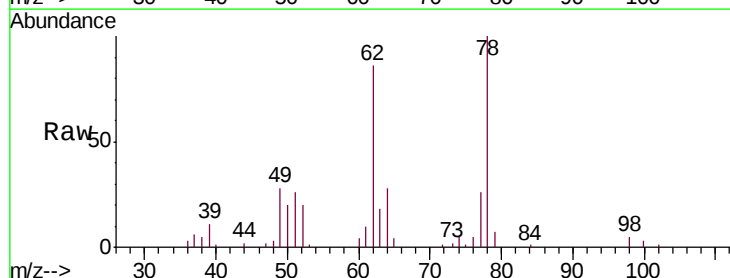
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

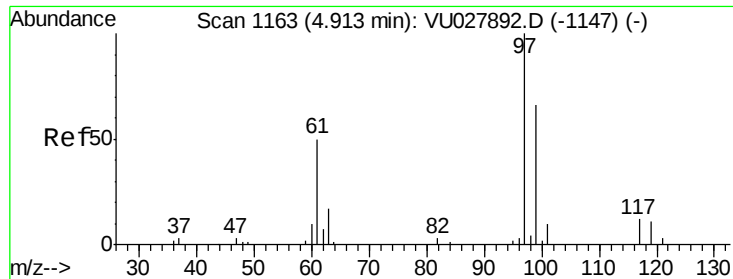
Tgt Ion: 83 Resp: 54019
Ion Ratio Lower Upper
83 100
85 66.4 44.0 81.8



#27
1,2-Dichloroethane
Concen: 5.276 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion: 62 Resp: 38978
Ion Ratio Lower Upper
62 100
98 5.5 6.3 9.5#

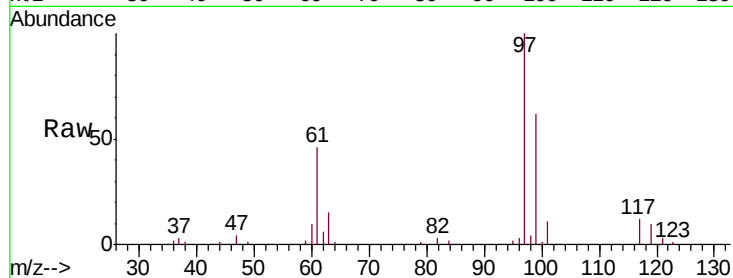




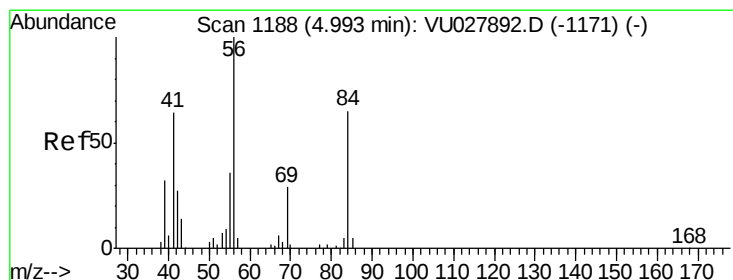
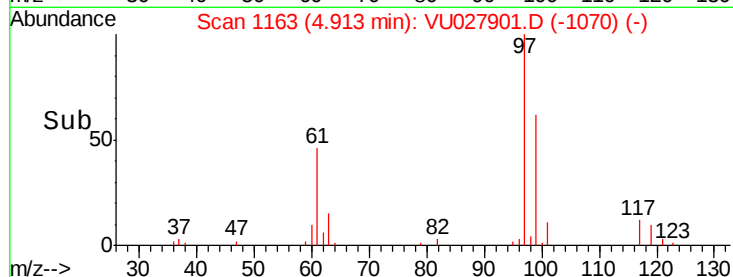
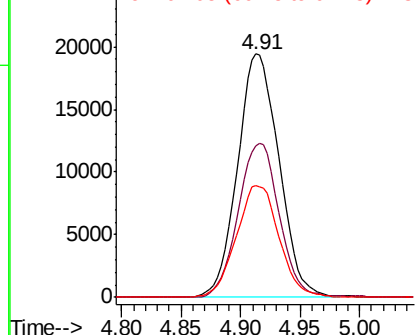
#29
1,1,1-Trichloroethane
Concen: 5.013 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion: 97 Resp: 46886
Ion Ratio Lower Upper
97 100
99 62.5 50.6 76.0
61 47.4 35.8 53.6

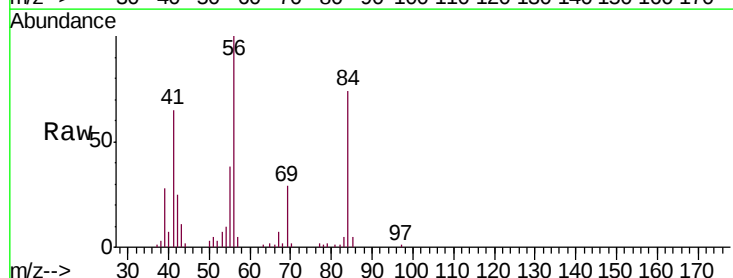


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

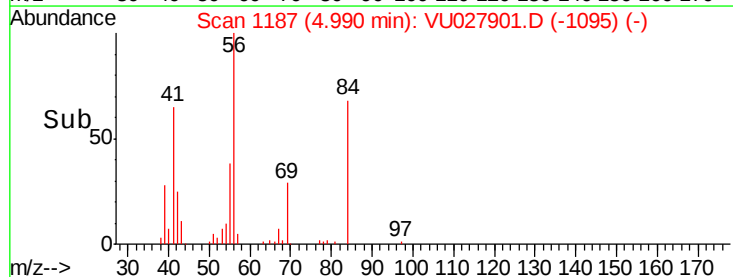
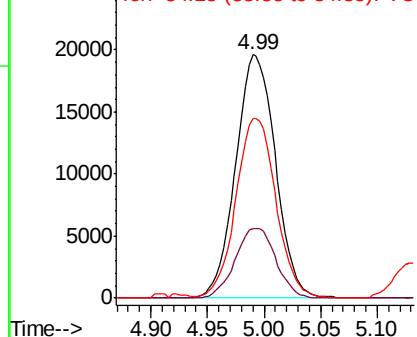


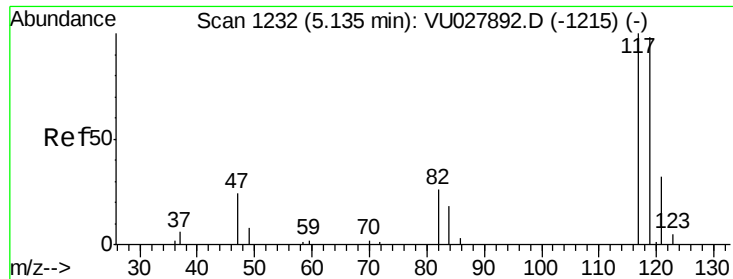
#30
Cyclohexane
Concen: 4.376 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion: 56 Resp: 48083
Ion Ratio Lower Upper
56 100
69 29.1 22.7 34.1
84 74.4 58.1 87.1



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: 4.929 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

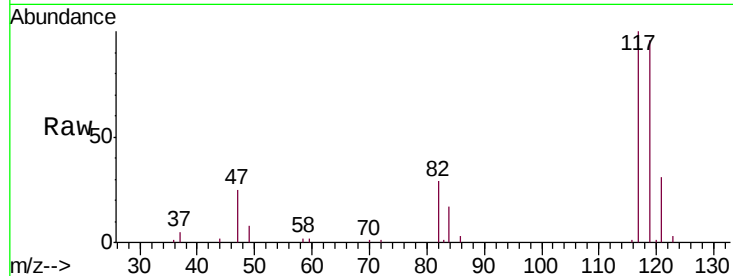
VSTD00551

Tgt Ion:117 Resp: 39559

Ion Ratio Lower Upper

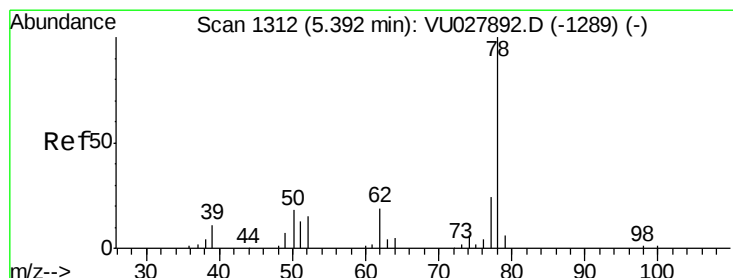
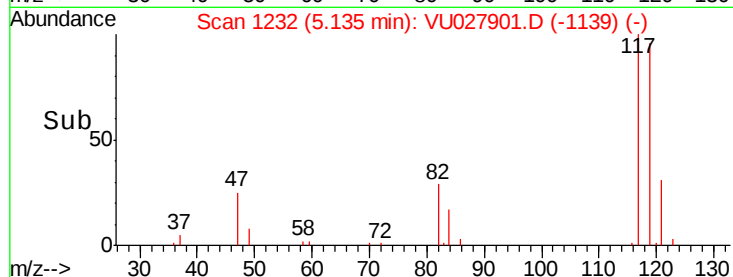
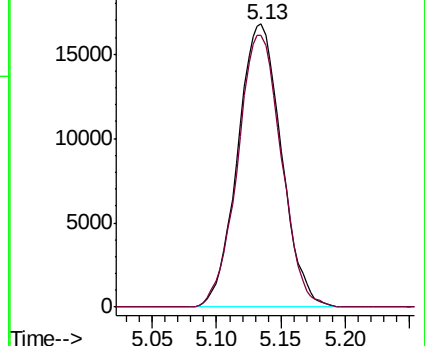
117 100

119 96.2 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.555 ug/L

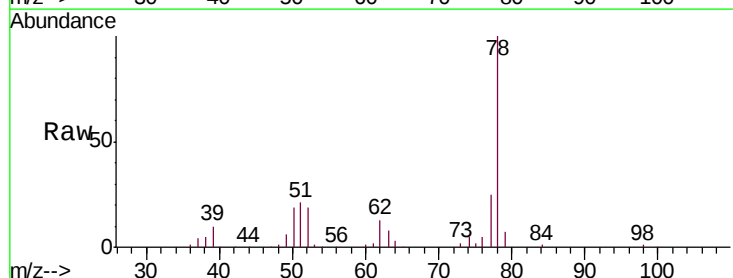
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

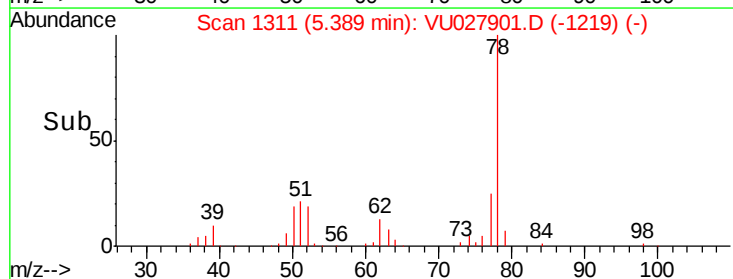
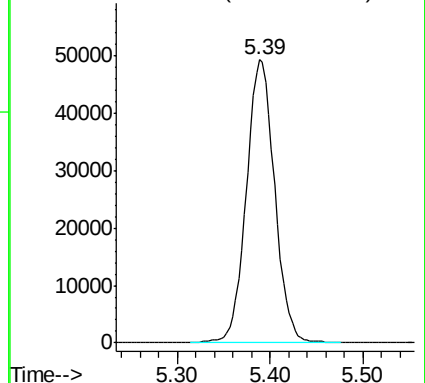
Lab File: VU027901.D

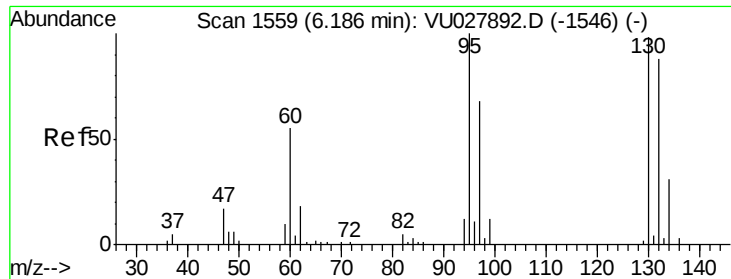
Acq: 01 Nov 2018 15:34

Tgt Ion: 78 Resp: 104533



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.717 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

Tgt Ion: 95 Resp: 28176

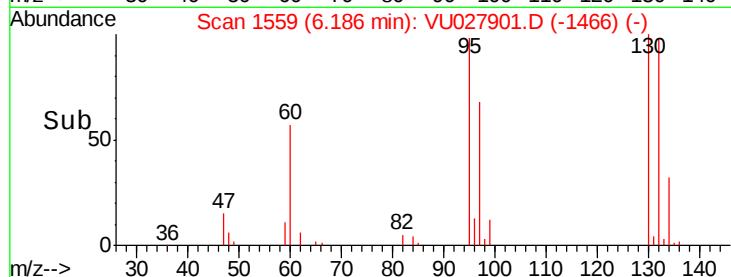
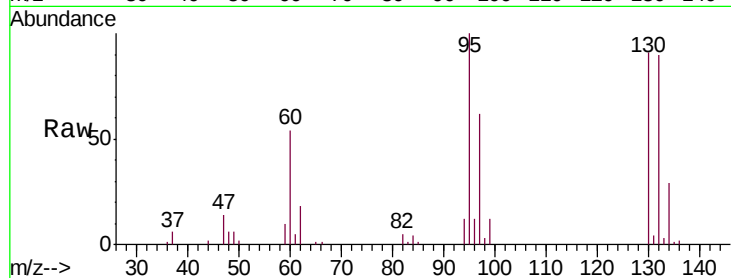
Ion Ratio Lower Upper

95 100

97 62.1 44.0 81.6

132 89.6 63.3 117.5

130 91.0 63.1 117.3

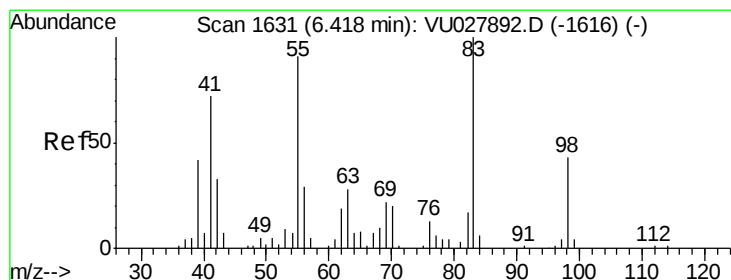
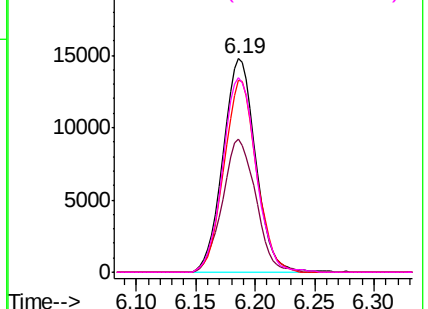


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.359 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

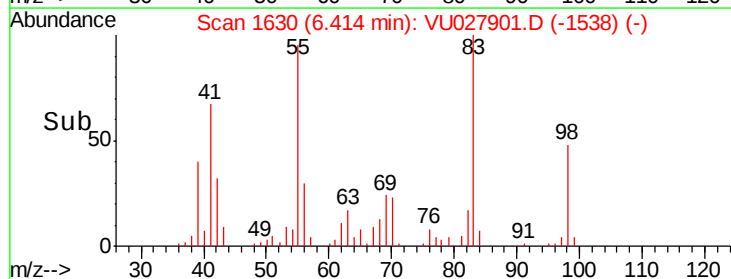
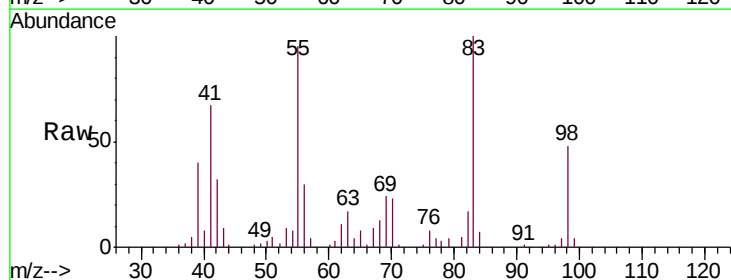
Tgt Ion: 83 Resp: 44294

Ion Ratio Lower Upper

83 100

55 92.6 73.4 110.0

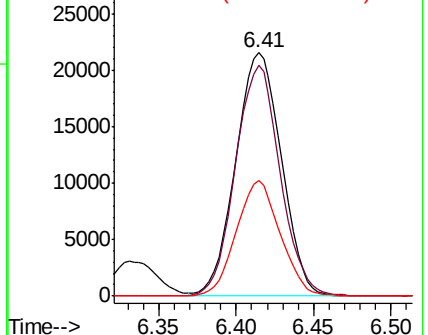
98 45.5 35.3 52.9

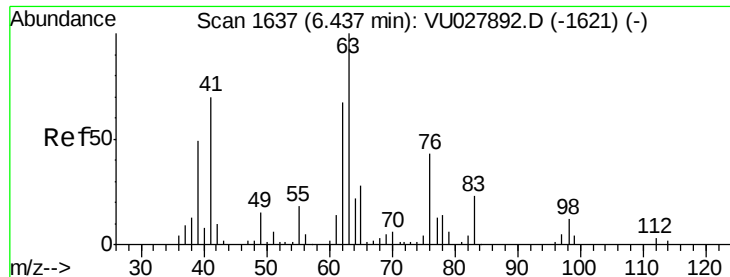


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.598 ug/L

RT: 6.44 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

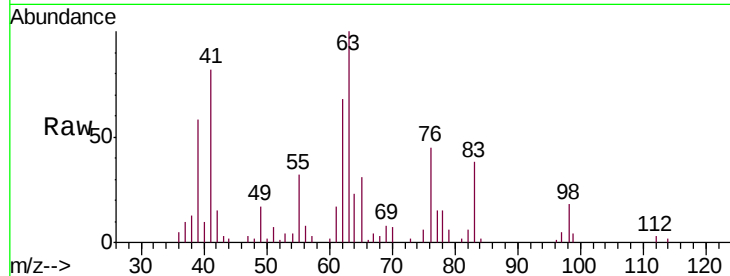
VSTD00551

Tgt Ion: 63 Resp: 30065

Ion Ratio Lower Upper

63 100

112 2.7 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU027892.D (-1621) (-)

Ion 112.10 (111.80 to 112.80): VU027892.D (-1621) (-)

6.44

15000

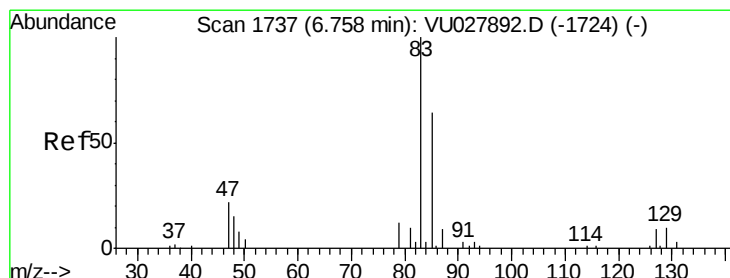
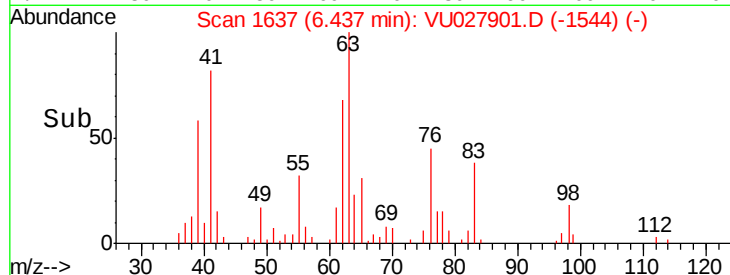
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.742 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

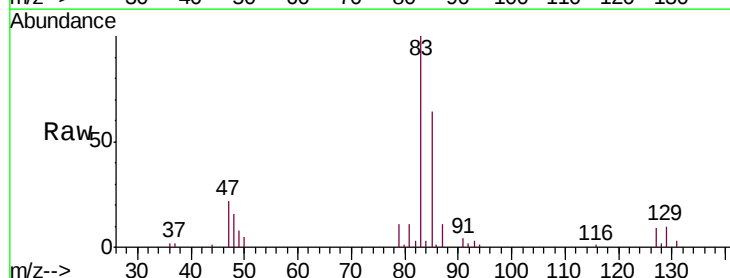
Tgt Ion: 83 Resp: 36249

Ion Ratio Lower Upper

83 100

85 64.0 43.8 81.4

127 8.9 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU027892.D (-1724) (-)

Ion 85.00 (84.70 to 85.70): VU027892.D (-1724) (-)

Ion 126.90 (126.60 to 127.60): VU027892.D (-1724) (-)

6.76

25000

20000

15000

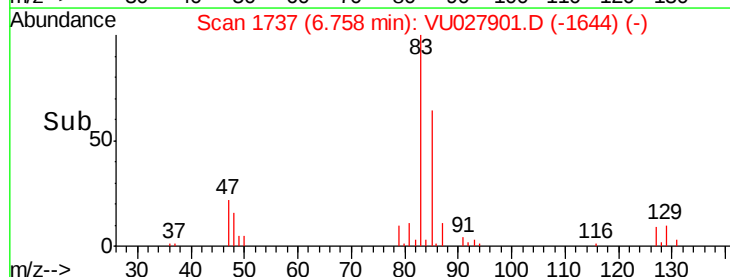
10000

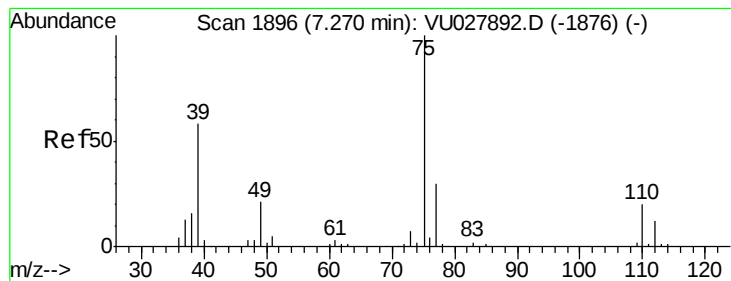
5000

0

6.70 6.75 6.80 6.85

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.461 ug/L

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

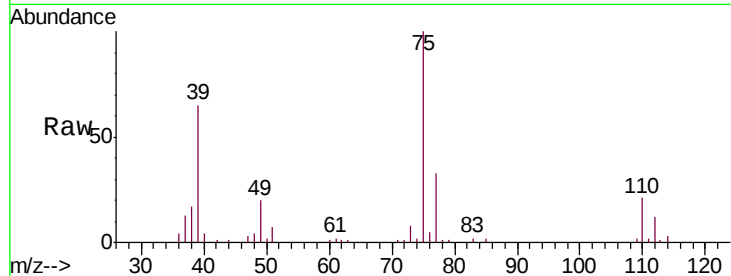
VSTD00551

Tgt Ion: 75 Resp: 41809

Ion Ratio Lower Upper

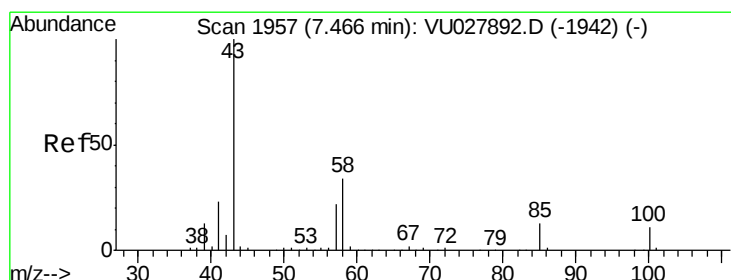
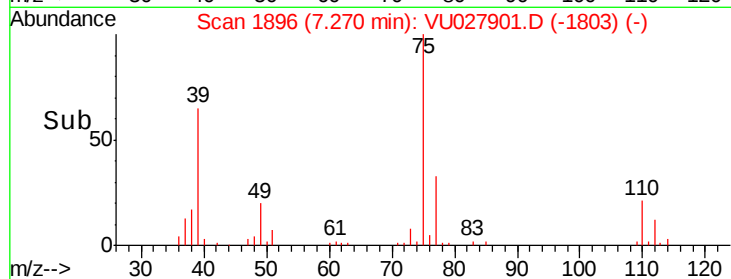
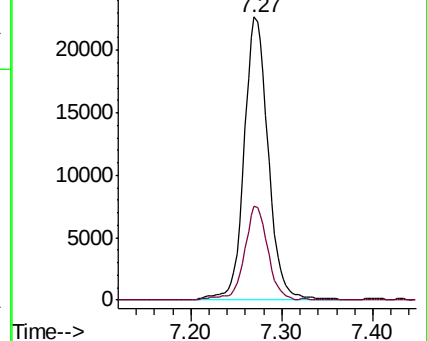
75 100

77 33.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU027892.D (-1876) (-)

Ion 77.05 (76.75 to 77.75): VU027892.D (-1876) (-)



#40

4-Methyl-2-pentanone

Concen: 46.642 ug/L

RT: 7.47 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

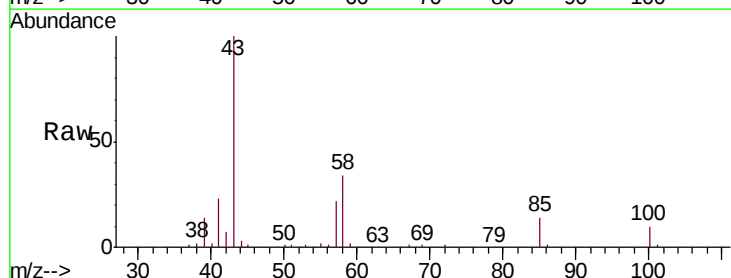
Tgt Ion: 43 Resp: 215452

Ion Ratio Lower Upper

43 100

58 34.6 28.5 42.7

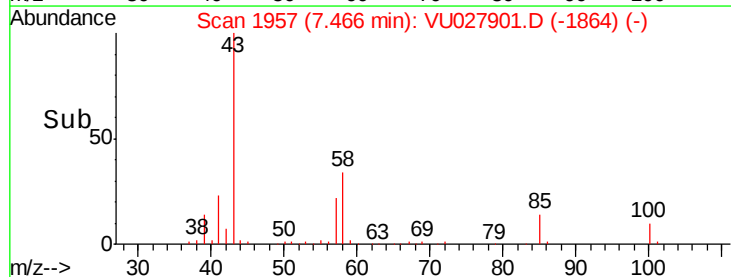
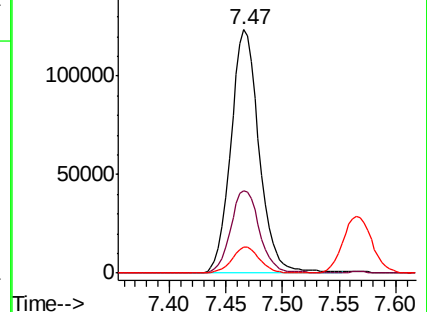
100 10.5 8.8 13.2

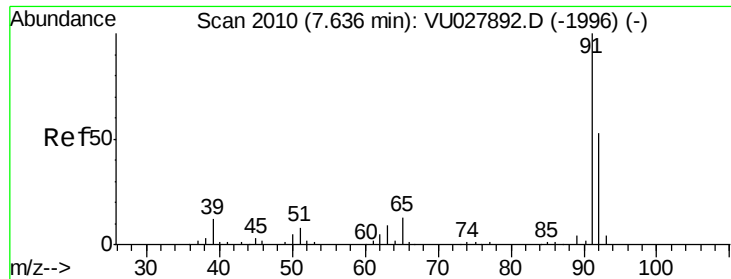


Abundance Ion 43.05 (42.75 to 43.75): VU027892.D (-1942) (-)

Ion 58.05 (57.75 to 58.75): VU027892.D (-1942) (-)

Ion 100.15 (99.85 to 100.85): VU027892.D (-1942) (-)





#42

Toluene

Concen: 4.640 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

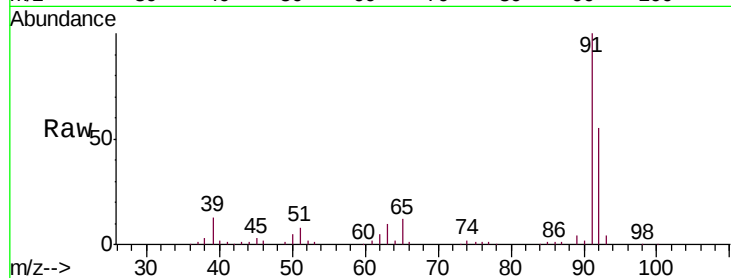
VSTD00551

Tgt Ion: 91 Resp: 111418

Ion Ratio Lower Upper

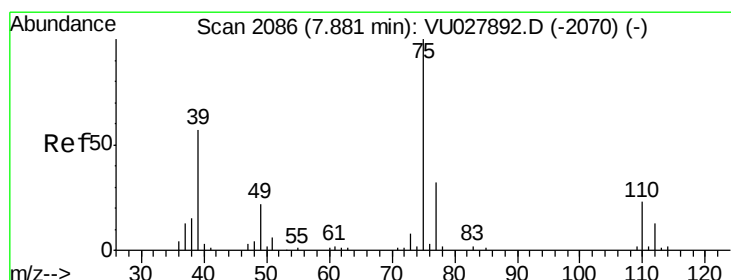
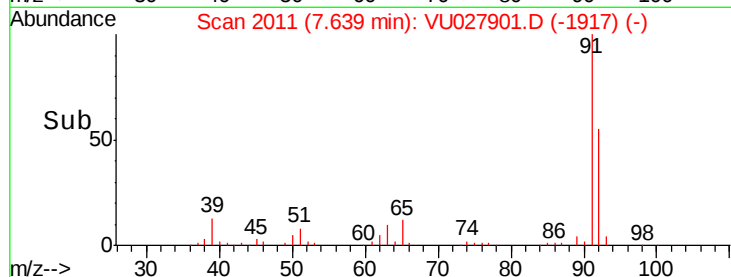
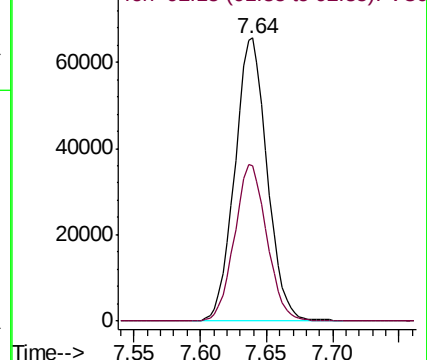
91 100

92 54.8 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.439 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027901.D

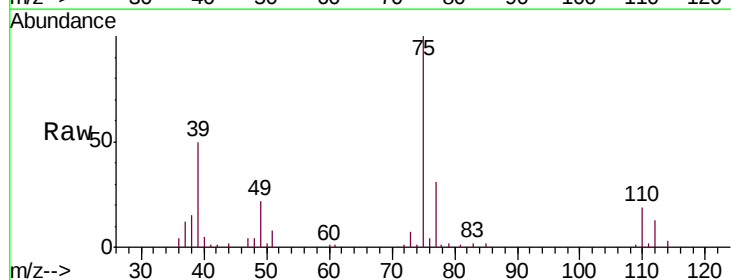
Acq: 01 Nov 2018 15:34

Tgt Ion: 75 Resp: 35691

Ion Ratio Lower Upper

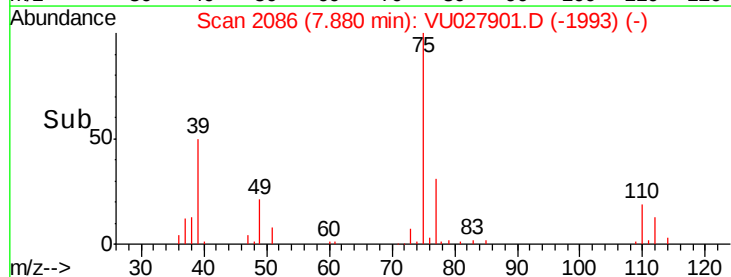
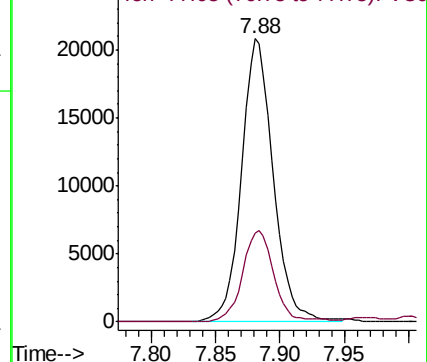
75 100

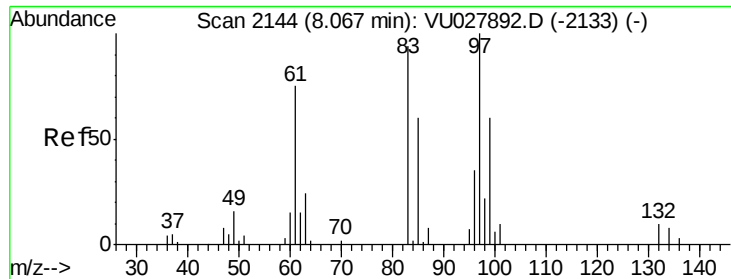
77 31.5 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

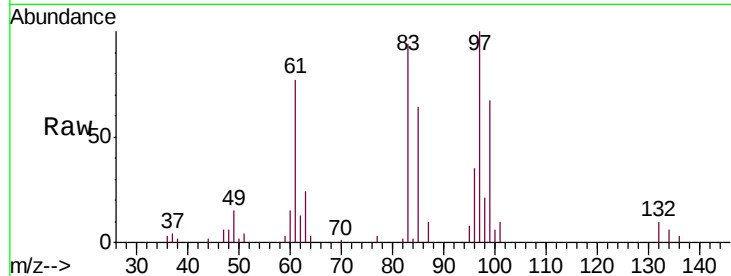




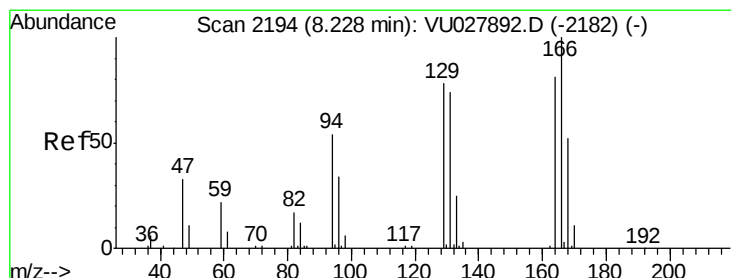
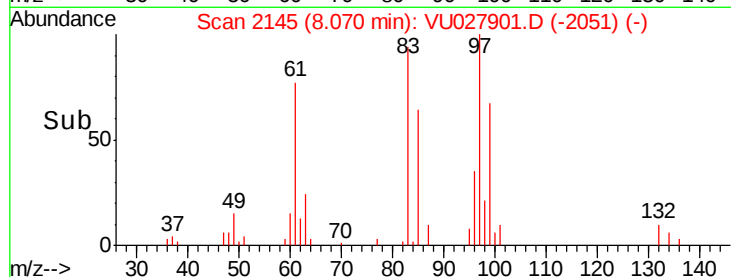
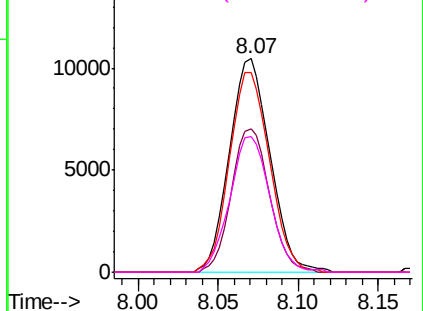
#45
 1,1,2-Trichloroethane
 Concen: 4.504 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Tgt Ion: 97 Resp: 18113
 Ion Ratio Lower Upper
 97 100
 99 67.1 42.9 79.7
 83 93.6 62.2 115.6
 85 63.6 40.2 74.6

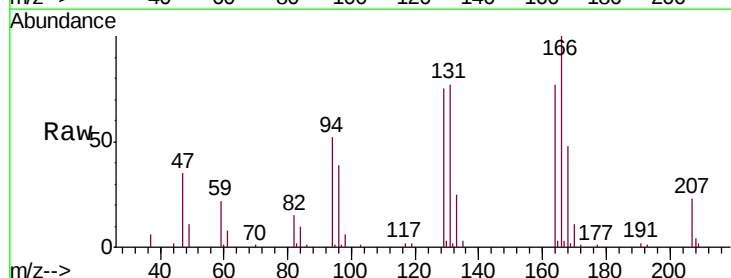


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

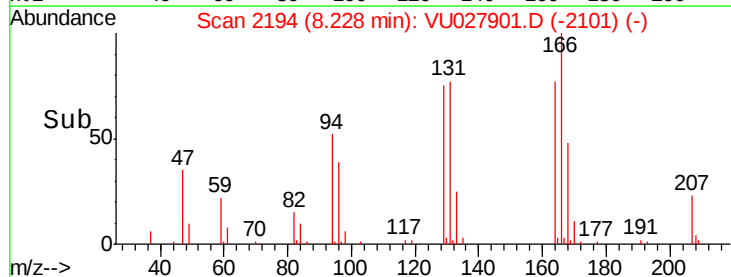
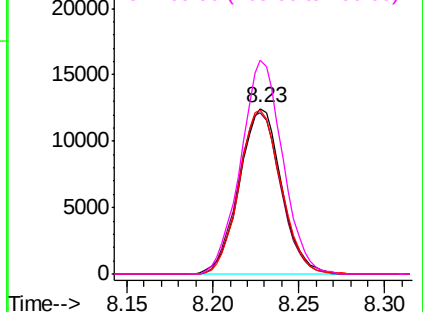


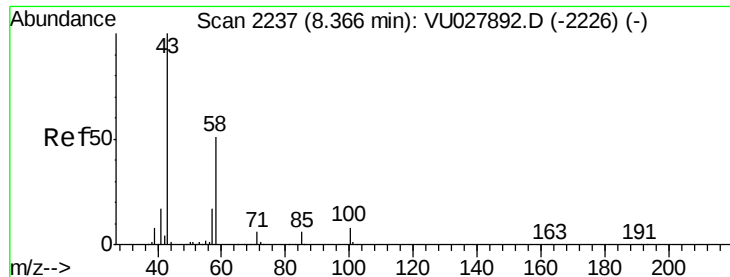
#47
 Tetrachloroethene
 Concen: 4.606 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Tgt Ion: 164 Resp: 21140
 Ion Ratio Lower Upper
 164 100
 129 97.3 64.9 120.5
 131 99.0 64.3 119.5
 166 129.2 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

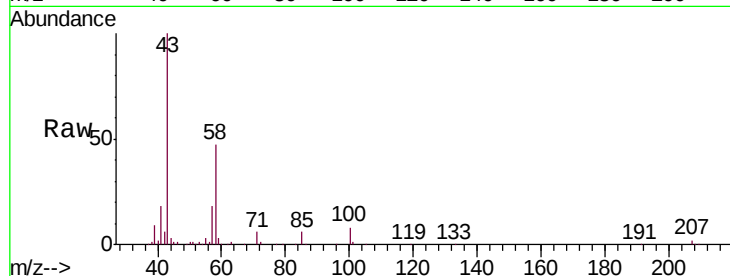




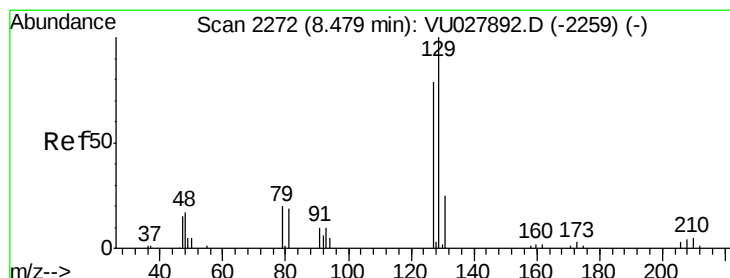
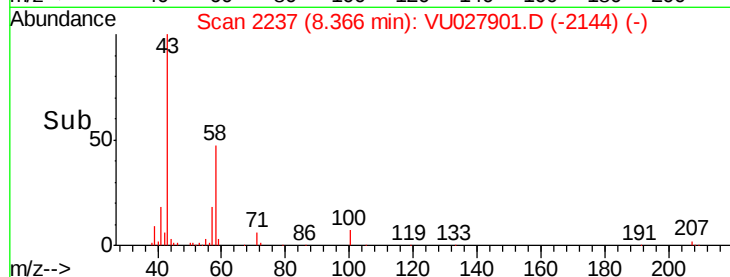
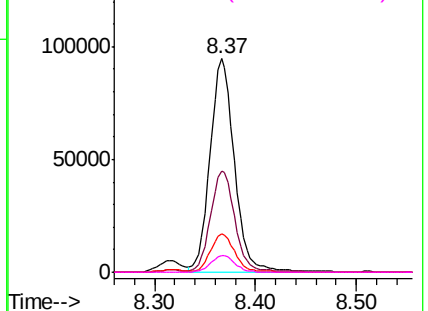
#48
2-Hexanone
Concen: 47.607 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion: 43 Resp: 158537
Ion Ratio Lower Upper
43 100
58 47.7 38.9 58.3
57 18.1 13.3 19.9
100 7.8 6.6 10.0

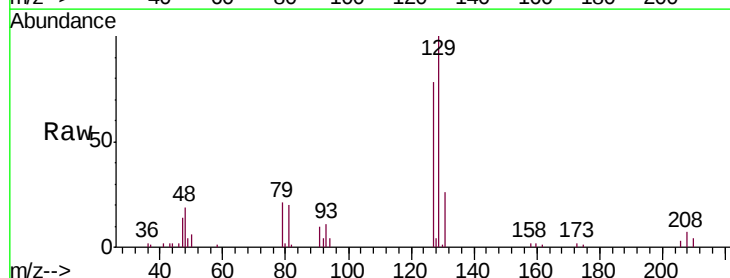


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

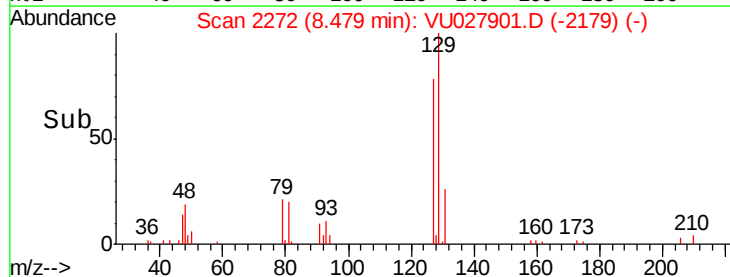
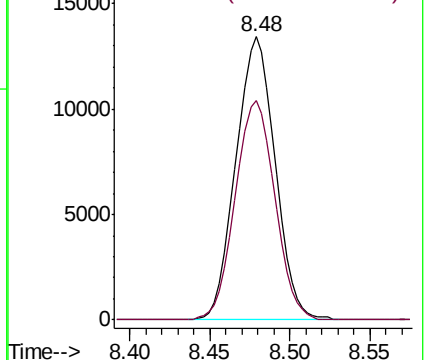


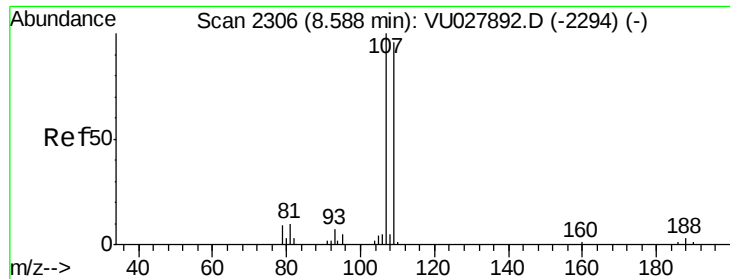
#49
Dibromochloromethane
Concen: 4.625 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion: 129 Resp: 22466
Ion Ratio Lower Upper
129 100
127 77.6 54.5 101.1



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

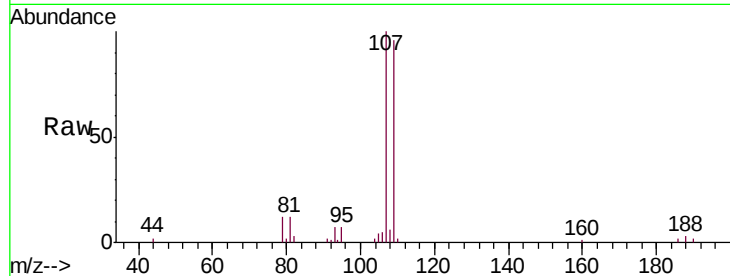




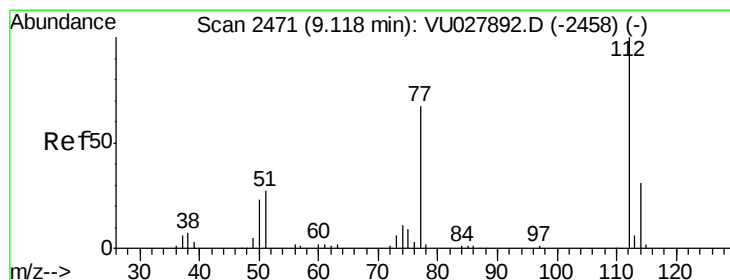
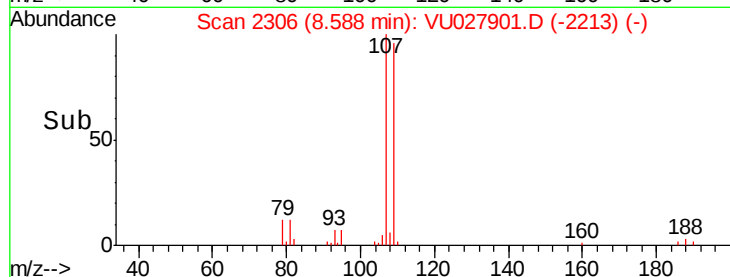
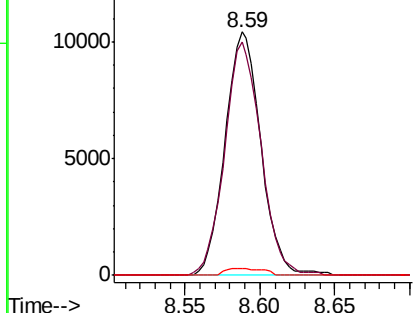
#50
1,2-Dibromoethane
Concen: 4.518 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion:107 Resp: 17387
Ion Ratio Lower Upper
107 100
109 95.9 68.0 126.4
188 2.9 2.7 4.1

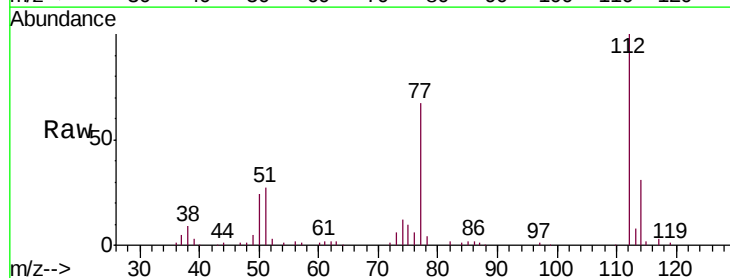


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

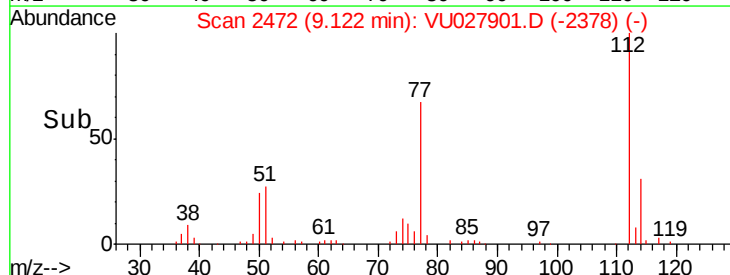
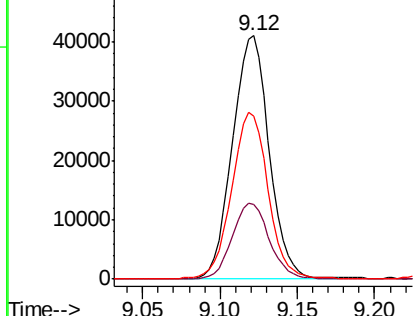


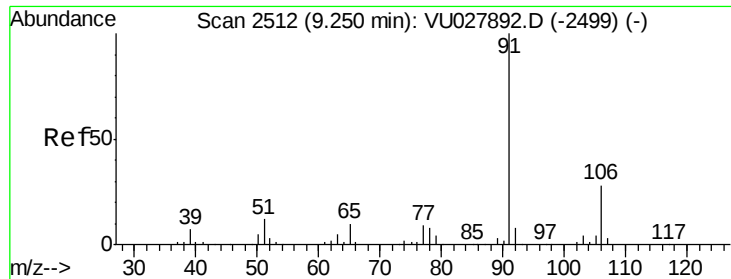
#51
Chlorobenzene
Concen: 4.534 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027901.D
Acq: 01 Nov 2018 15:34

Tgt Ion:112 Resp: 67547
Ion Ratio Lower Upper
112 100
114 30.7 22.0 41.0
77 67.0 54.3 81.5



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): VU





#52

Ethylbenzene

Concen: 4.680 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

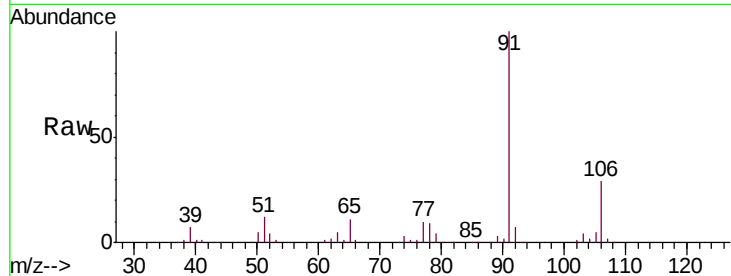
VSTD00551

Tgt Ion: 91 Resp: 128147

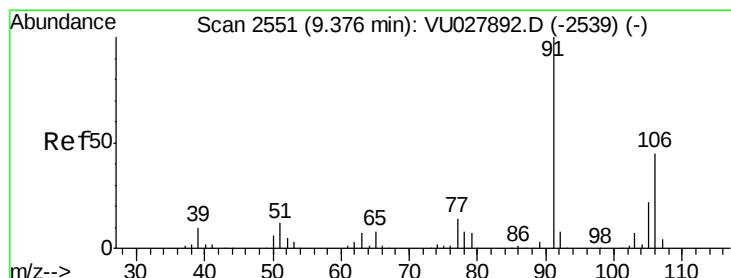
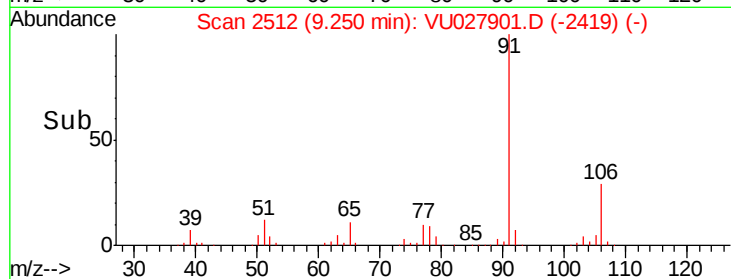
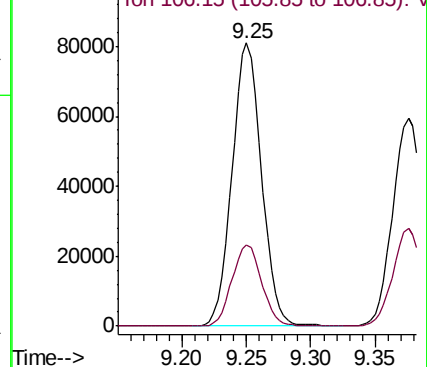
Ion Ratio Lower Upper

91 100

106 28.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027892.D (-2499) (-)



#53

m,p-xylene

Concen: 4.585 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027901.D

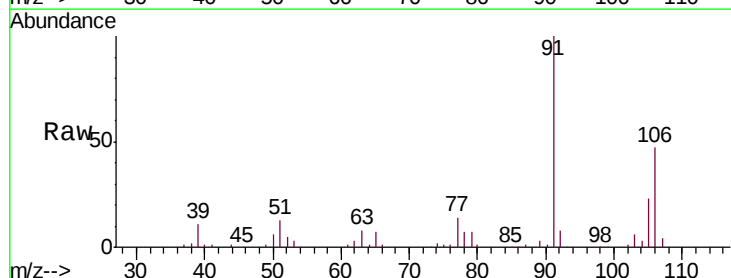
Acq: 01 Nov 2018 15:34

Tgt Ion: 106 Resp: 45521

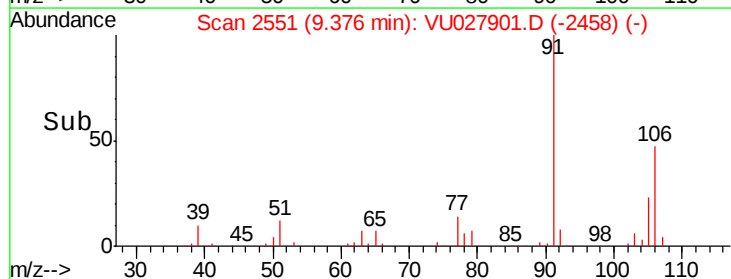
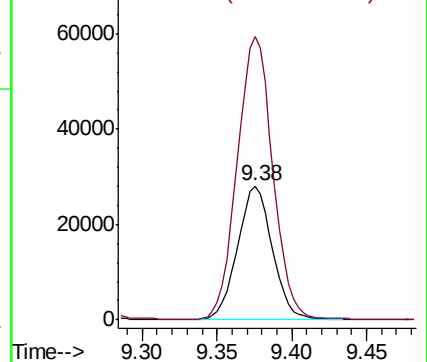
Ion Ratio Lower Upper

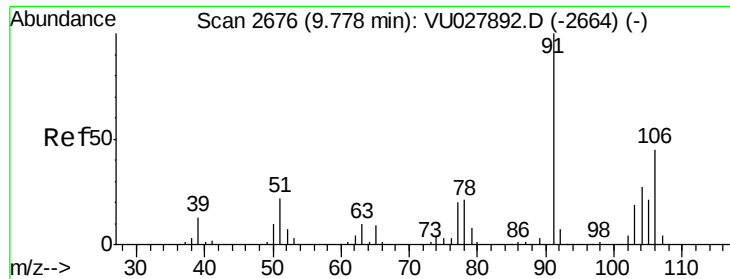
106 100

91 211.8 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027892.D (-2539) (-)





#54

o-xylene

Concen: 4.480 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

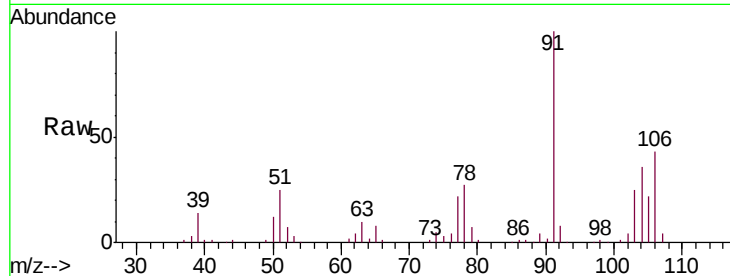
VSTD00551

Tgt Ion:106 Resp: 43686

Ion Ratio Lower Upper

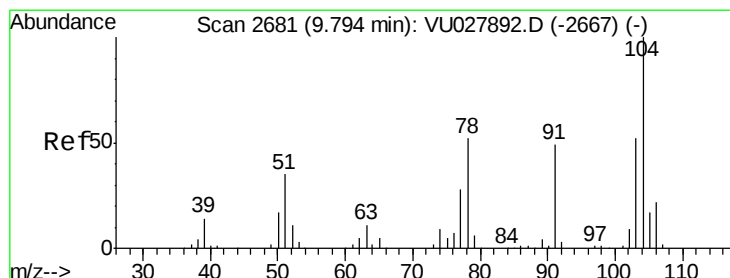
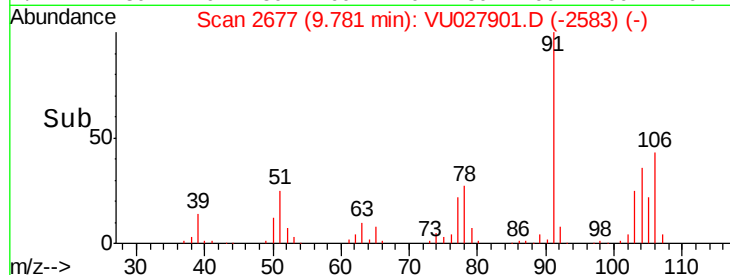
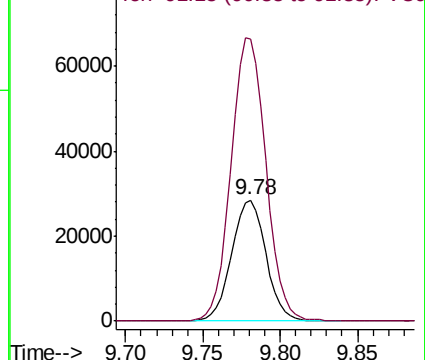
106 100

91 233.6 158.3 293.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.690 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU027901.D

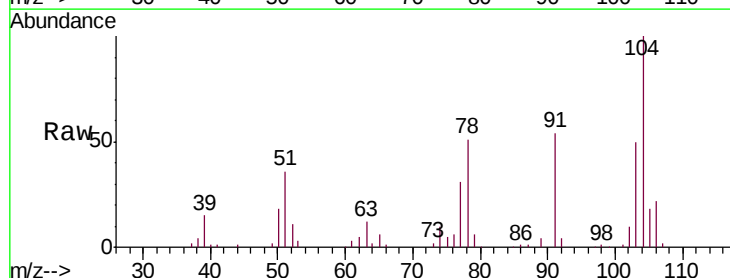
Acq: 01 Nov 2018 15:34

Tgt Ion:104 Resp: 76660

Ion Ratio Lower Upper

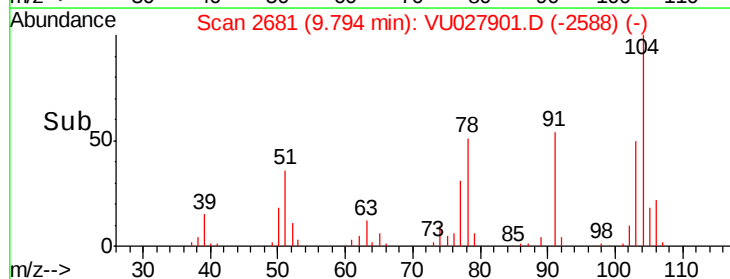
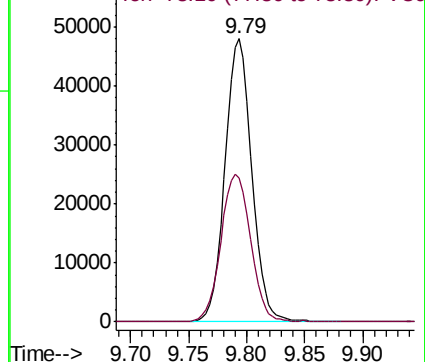
104 100

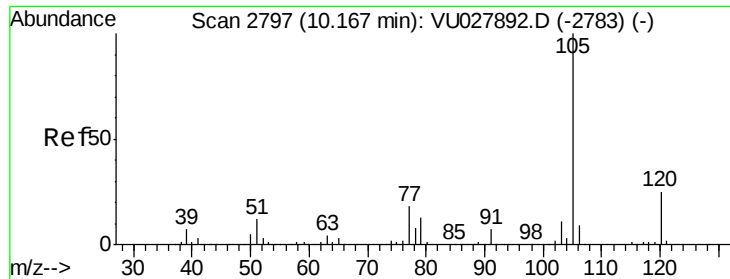
78 50.6 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.683 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

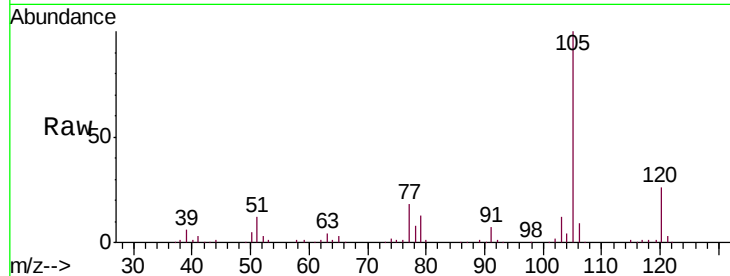
Tgt Ion: 105 Resp: 124418

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.2

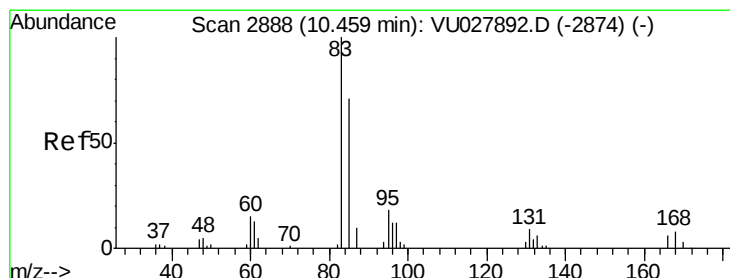
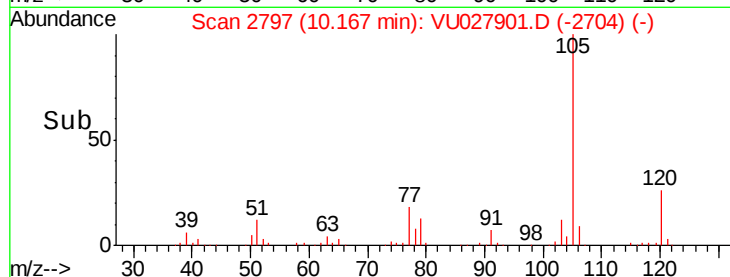
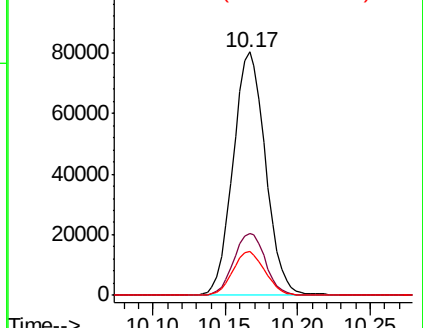
77 17.7 13.4 20.2



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: 4.656 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

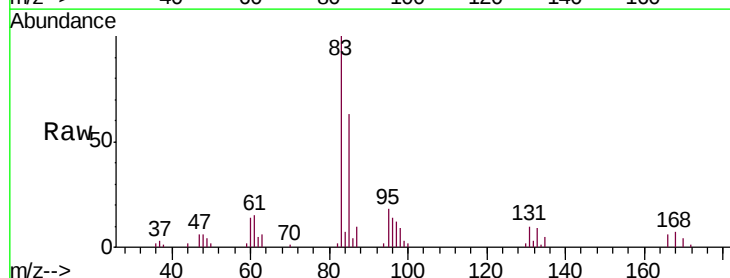
Tgt Ion: 83 Resp: 24420

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

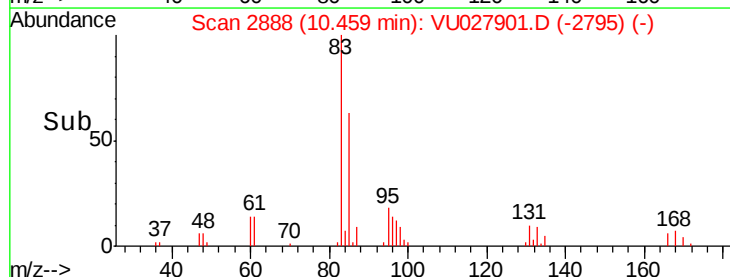
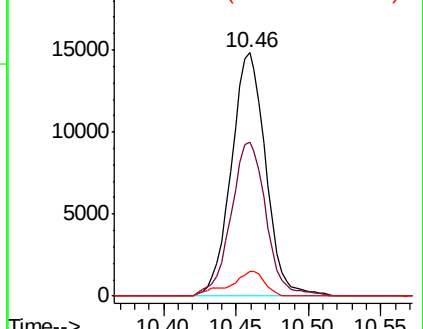
131 9.9 6.8 10.2

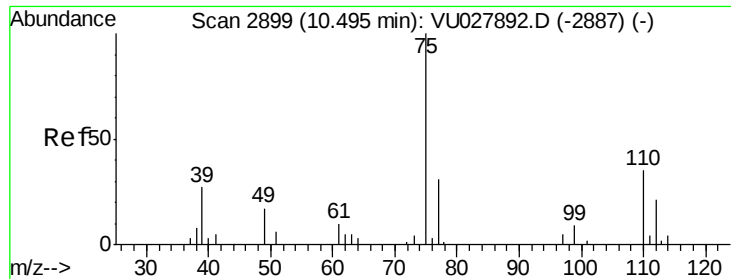


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.666 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

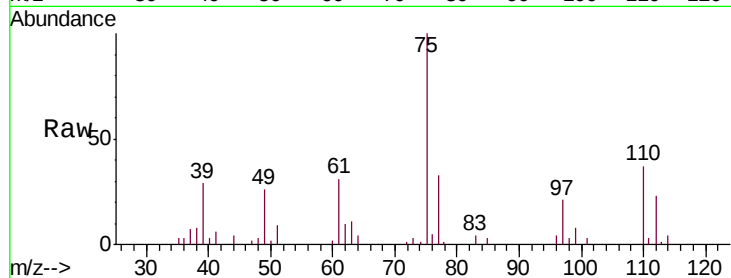
VSTD00551

Tgt Ion: 75 Resp: 18490

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU027892.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027892.D (-2887) (-)

12000

10000

8000

6000

4000

2000

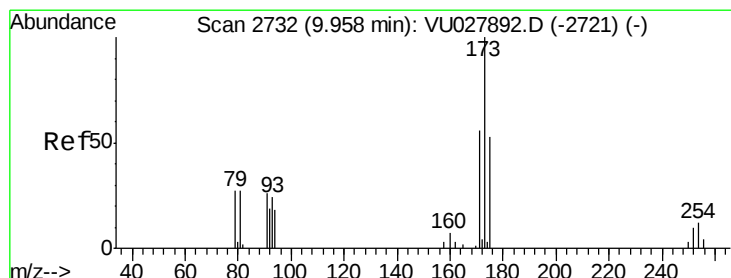
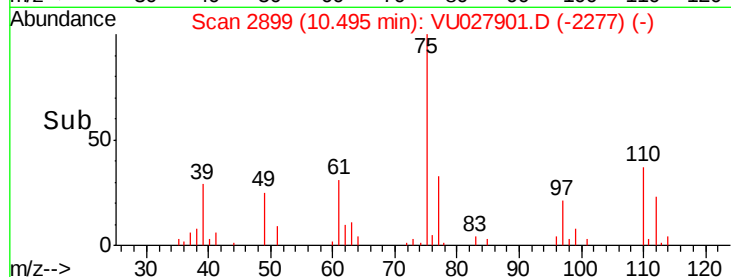
0

10.45

10.50

10.55

Time-->



#61

Bromoform

Concen: 4.554 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

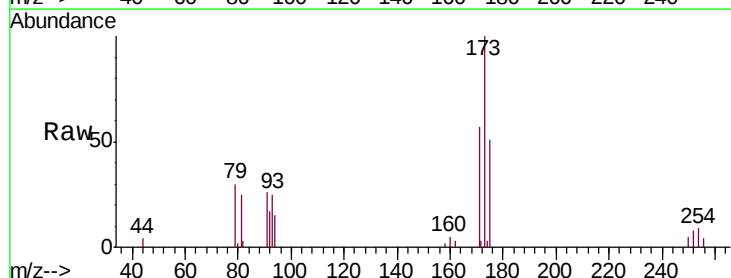
Tgt Ion: 173 Resp: 12475

Ion Ratio Lower Upper

173 100

175 47.6 38.3 57.5

254 8.6 7.8 11.6



Abundance Ion 172.90 (172.60 to 173.60): VU027892.D (-2721) (-)

Ion 174.90 (174.60 to 175.60): VU027892.D (-2721) (-)

Ion 253.75 (253.45 to 254.45): VU027892.D (-2721) (-)

10000

8000

6000

4000

2000

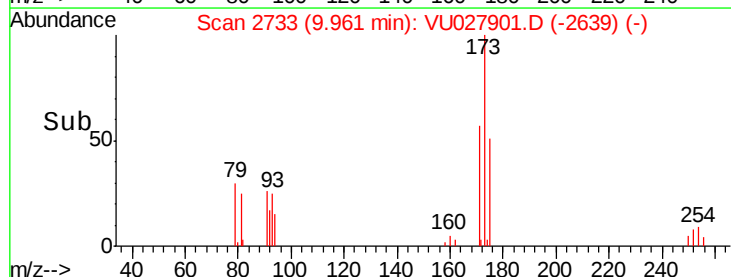
0

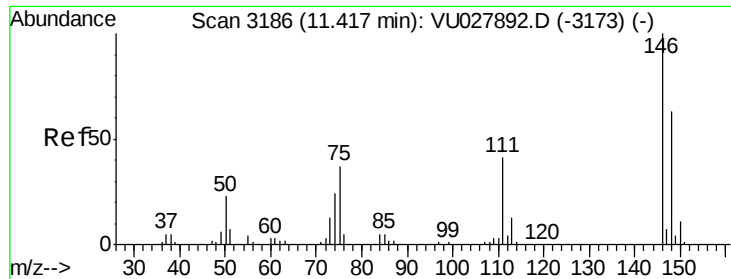
9.90

9.95

10.00

Time-->

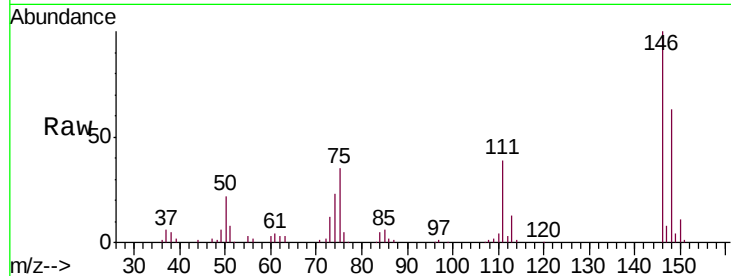




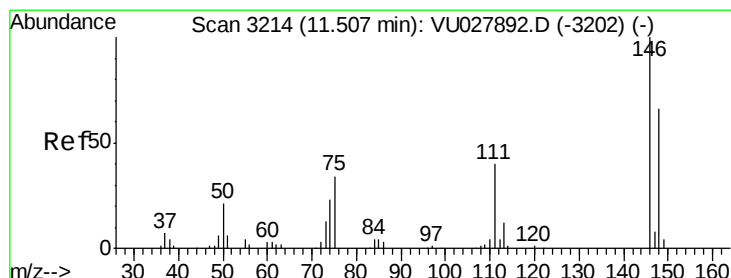
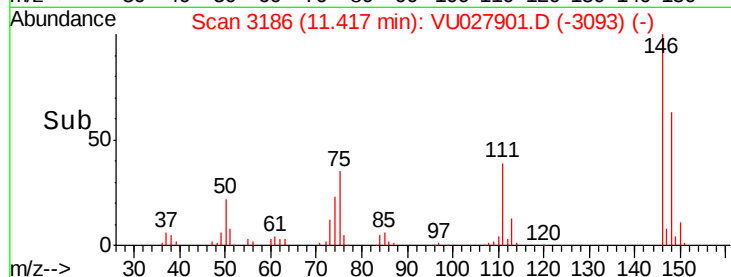
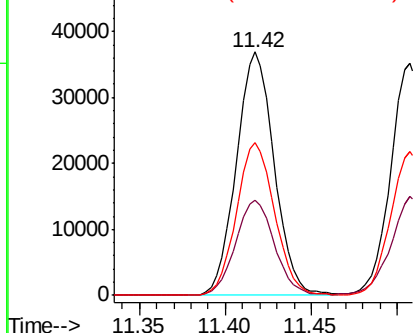
#62
 1,3-Dichlorobenzene
 Concen: 4.707 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Tgt Ion:146 Resp: 56381
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.4 51.0
 148 62.8 42.6 79.0

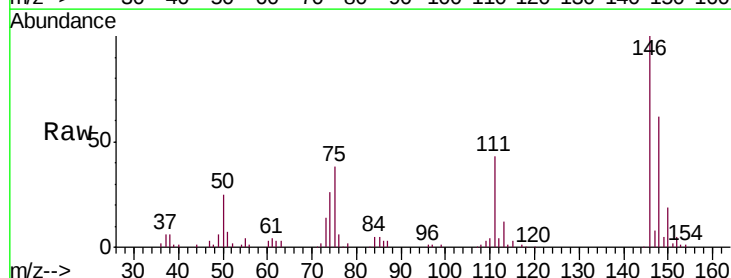


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

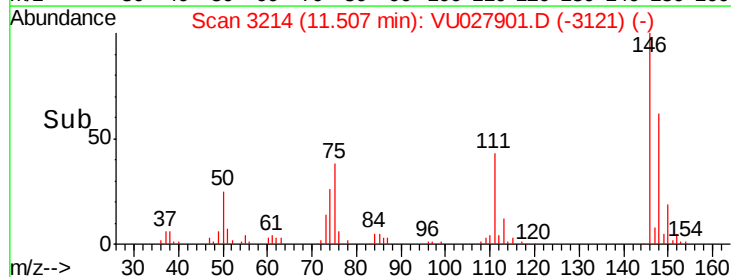
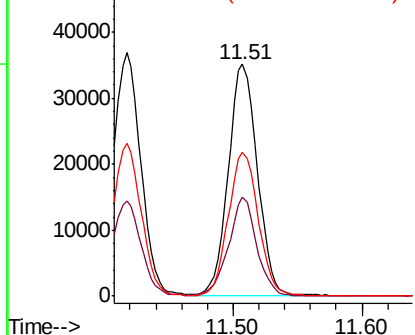


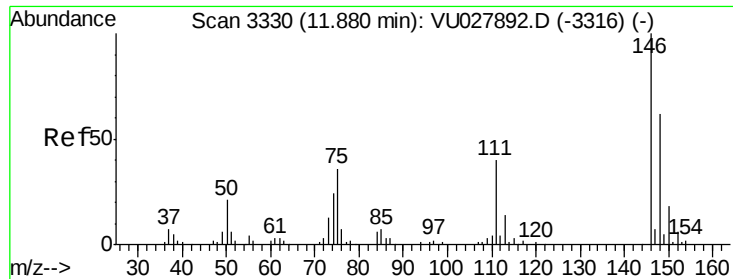
#63
 1,4-Dichlorobenzene
 Concen: 4.629 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Tgt Ion:146 Resp: 55421
 Ion Ratio Lower Upper
 146 100
 111 42.9 27.4 51.0
 148 62.0 43.1 80.1



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

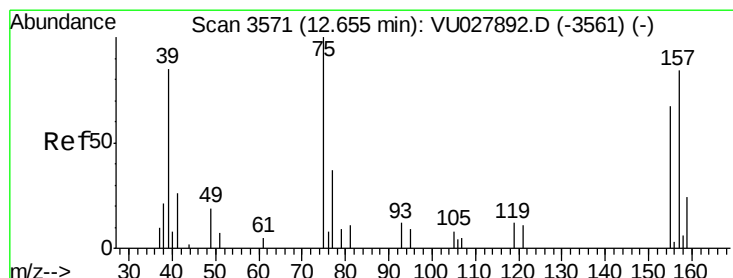
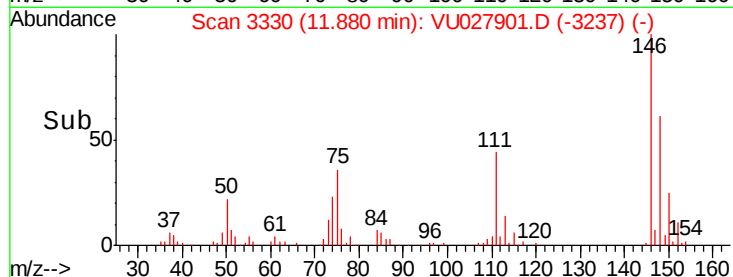
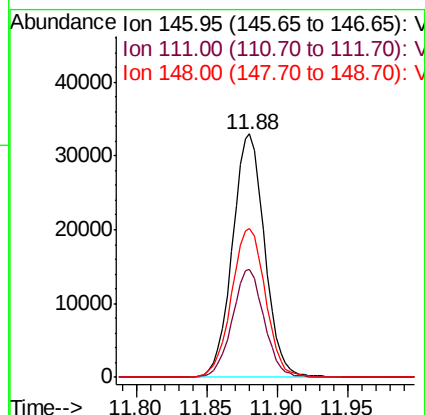
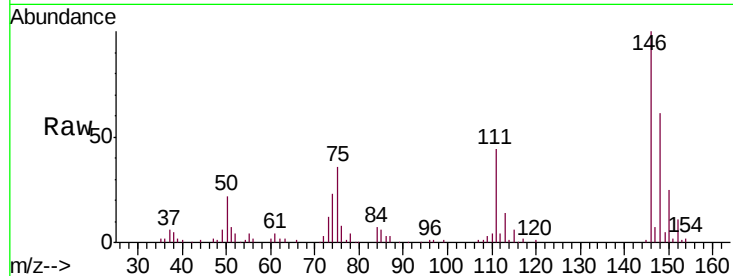




#65
 1,2-Dichlorobenzene
 Concen: 4.659 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

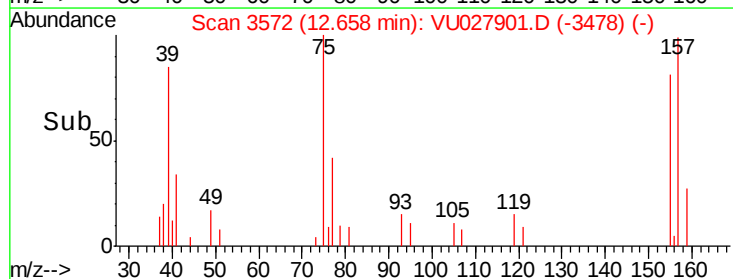
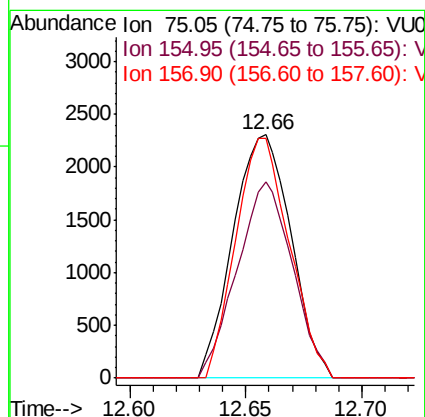
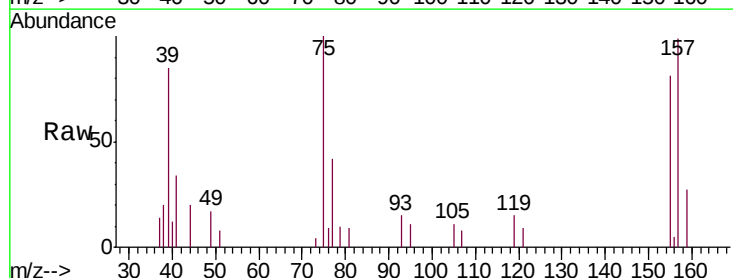
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

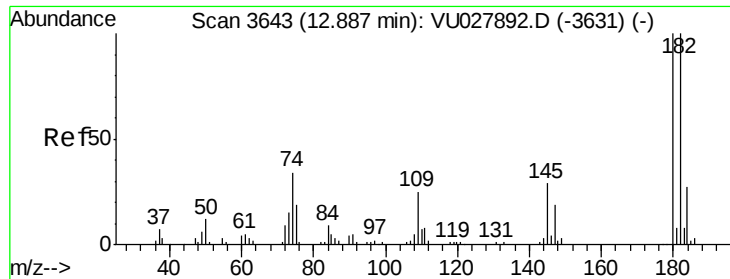
Tgt Ion: 146 Resp: 52684
 Ion Ratio Lower Upper
 146 100
 111 44.4 33.0 49.4
 148 61.3 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.514 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Tgt Ion: 75 Resp: 4001
 Ion Ratio Lower Upper
 75 100
 155 80.8 58.6 87.8
 157 98.6 66.7 100.1

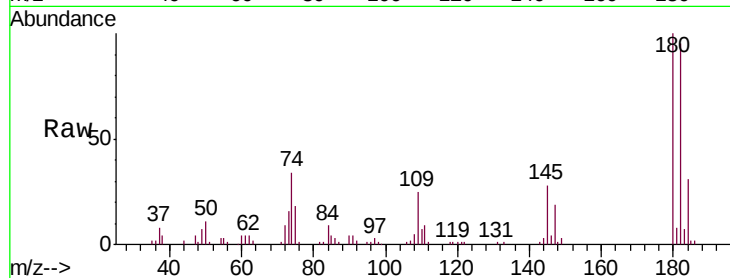




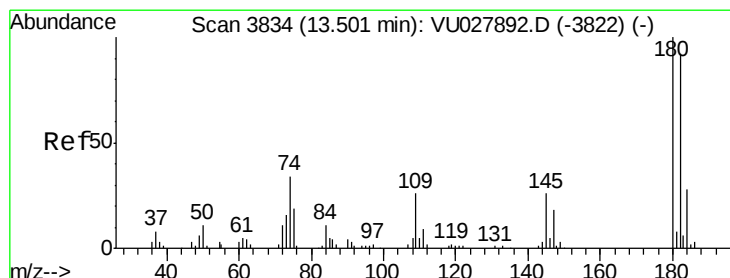
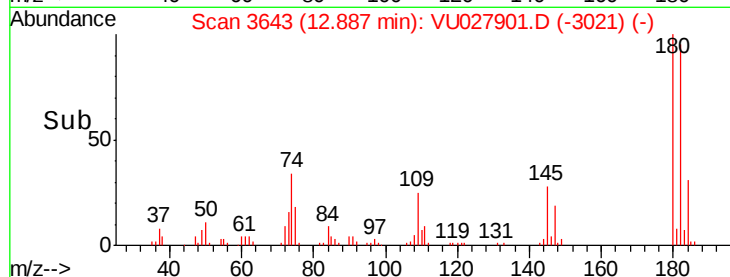
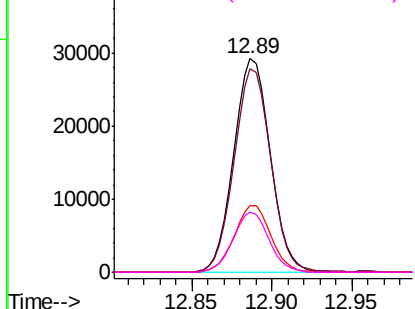
#67
 1,3,5-Trichlorobenzene
 Concen: 4.714 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Tgt Ion:180 Resp: 45438
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.3 115.9
 184 31.2 24.6 37.0
 145 27.6 23.0 34.6

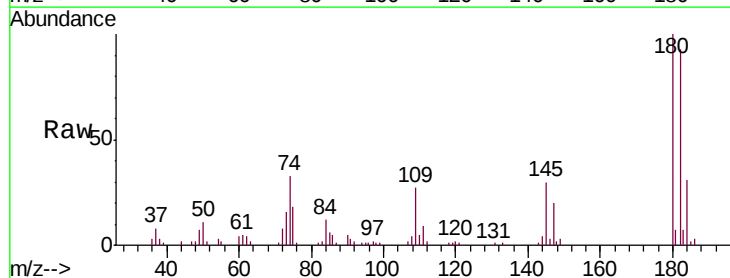


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

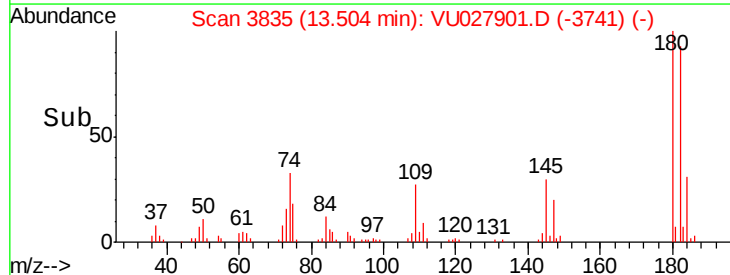
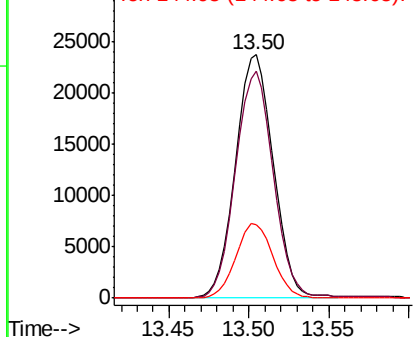


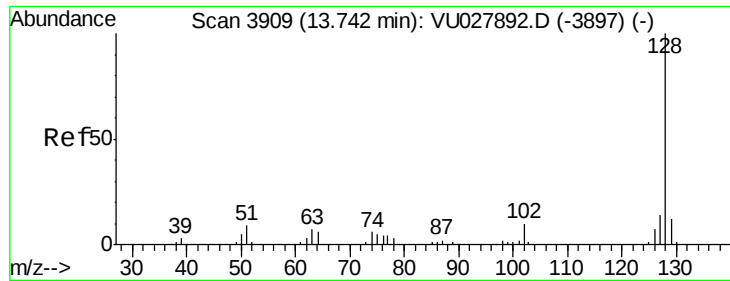
#68
 1,2,4-trichlorobenzene
 Concen: 4.664 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027901.D
 Acq: 01 Nov 2018 15:34

Tgt Ion:180 Resp: 38232
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.8 116.6
 145 29.8 22.9 34.3



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: 4.619 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

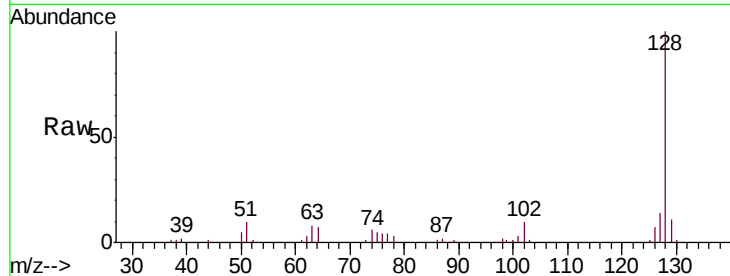
Tgt Ion:128 Resp: 58873

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

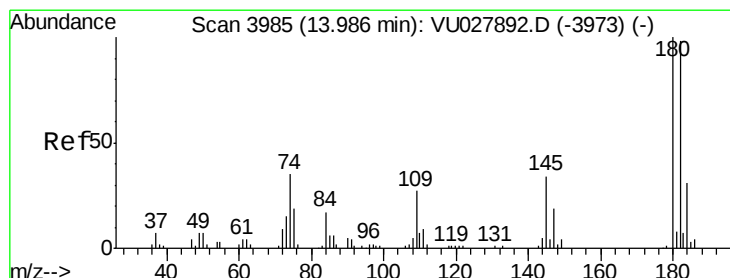
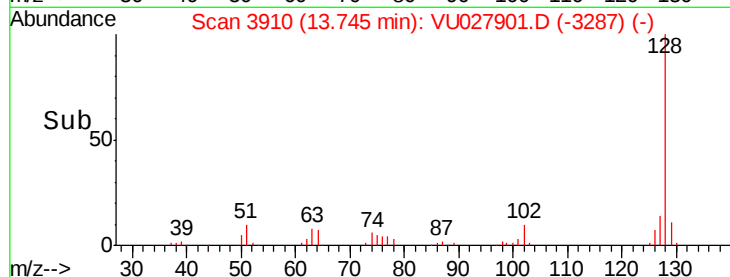
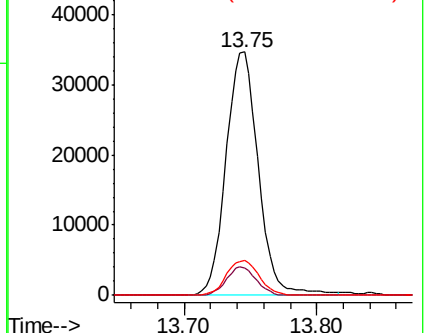
127 14.5 10.5 15.7



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: 4.708 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027901.D

Acq: 01 Nov 2018 15:34

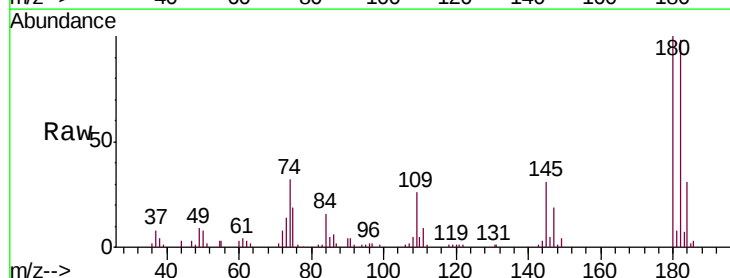
Tgt Ion:180 Resp: 35149

Ion Ratio Lower Upper

180 100

182 97.6 79.4 119.0

145 31.0 25.4 38.0



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

