

Data File : VU028970.D
Acq On : 27 Dec 2018 17:15
Operator : MD/SY
Sample : VSTD02045
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

Quant Time: Dec 28 02:11:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 28 02:05:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	136530	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	130724	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	142610	19.52	ug/L	0.00
7) Chloroethane-d5	1.67	69	125545	19.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	302598	19.57	ug/L	0.00
20) 2-Butanone-d5	4.19	46	400858	209.91	ug/L	0.00
24) Chloroform-d	4.65	84	284116	20.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	137001	18.91	ug/L	0.00
32) Benzene-d6	5.34	84	587021	19.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	193430	19.80	ug/L	0.00
41) Toluene-d8	7.56	98	551073	19.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	74805	20.37	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	350411	209.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	154782	19.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	214802	19.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	226925	18.978 ug/L	99
3) Chloromethane	1.32	50	250271	18.757 ug/L	100
5) Vinyl chloride	1.40	62	255777	18.762 ug/L	96
6) Bromomethane	1.61	94	111780	17.711 ug/L	99
8) Chloroethane	1.69	64	145391	18.689 ug/L	99
9) Trichlorofluoromethane	1.88	101	292945	18.791 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	190162	18.902 ug/L	99
12) 1,1-Dichloroethene	2.28	96	186786	19.095 ug/L	98
13) Acetone	2.32	43	271674	176.246 ug/L	99
14) Carbon disulfide	2.48	76	640706	18.745 ug/L	99
15) Methyl Acetate	2.62	43	77726	17.209 ug/L	99
16) Methylene chloride	2.70	84	202909	14.488 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	447704	18.639 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	200439	18.664 ug/L	96
19) 1,1-Dichloroethane	3.44	63	333394	18.284 ug/L	98
21) 2-Butanone	4.27	43	455266	197.411 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	212640	19.138 ug/L	100
23) Bromochloromethane	4.55	128	84684	18.783 ug/L	97
25) Chloroform	4.67	83	324072	18.706 ug/L	99
27) 1,2-Dichloroethane	5.40	62	193816	18.911 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	266638	18.572 ug/L	99
30) Cyclohexane	4.99	56	324696	18.876 ug/L	100
31) Carbon tetrachloride	5.13	117	220349	19.275 ug/L	98
33) Benzene	5.39	78	773395	18.502 ug/L	100
34) Trichloroethene	6.18	95	203223	19.015 ug/L	97
35) Methylcyclohexane	6.41	83	350187	19.075 ug/L	99
37) 1,2-Dichloropropane	6.43	63	201143	18.888 ug/L	99
38) Bromodichloromethane	6.76	83	227015	18.935 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	295067	19.324 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1108059	195.547 ug/L	99

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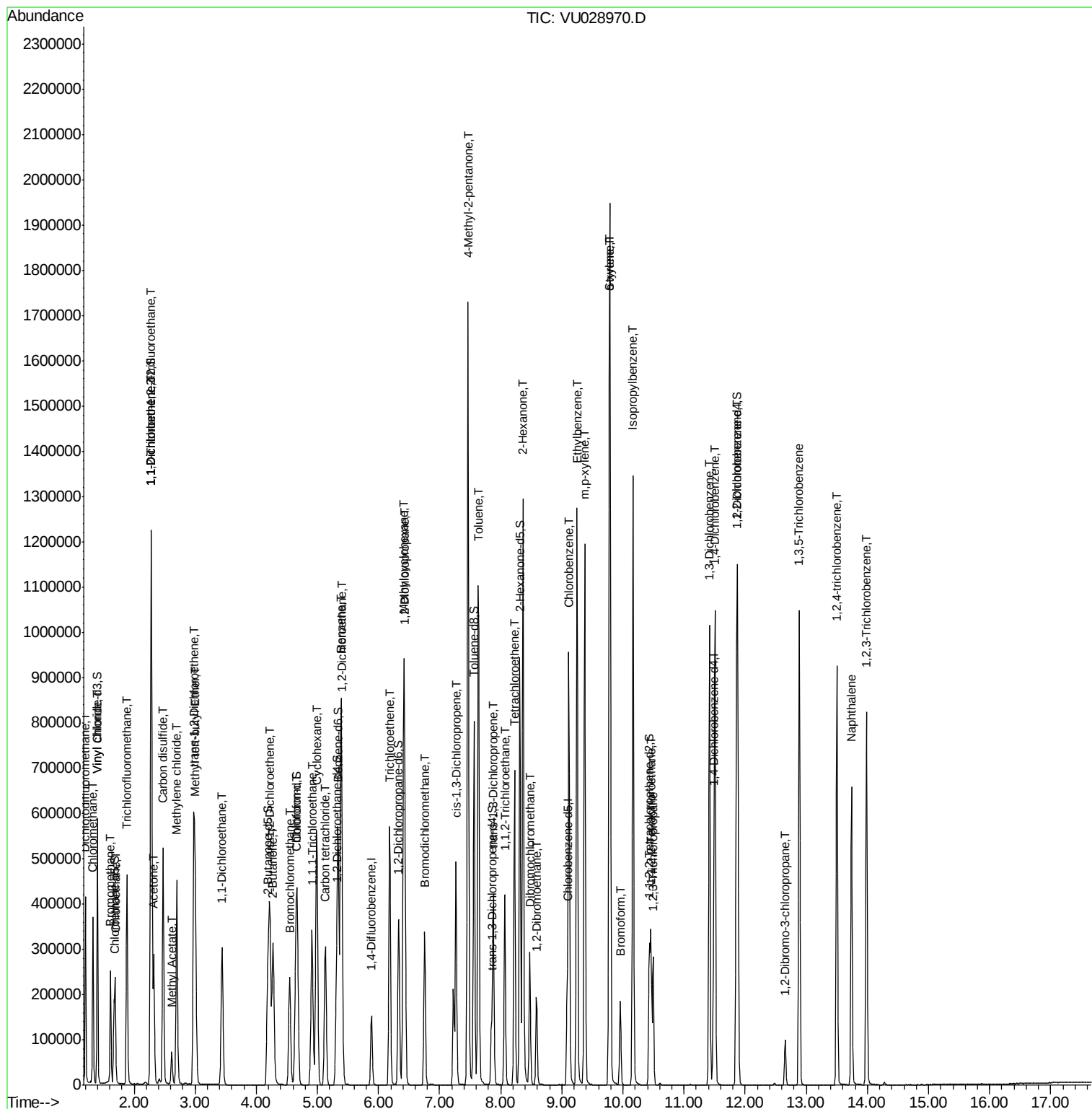
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	839757	18.768	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	235666	19.806	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	135543	18.703	ug/L	97
47) Tetrachloroethene	8.22	164	163417	18.462	ug/L	97
48) 2-Hexanone	8.36	43	782450	199.623	ug/L	100
49) Dibromochloromethane	8.48	129	151770	19.726	ug/L	100
50) 1,2-Dibromoethane	8.58	107	130112	19.193	ug/L	95
51) Chlorobenzene	9.12	112	529825	18.879	ug/L	98
52) Ethylbenzene	9.25	91	919852	19.378	ug/L	98
53) m,p-xylene	9.37	106	350902	19.426	ug/L	98
54) o-xylene	9.78	106	342819	19.550	ug/L	97
55) Styrene	9.79	104	588702	20.171	ug/L	99
56) Isopropylbenzene	10.16	105	899163	19.443	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	172710	19.467	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	119997	19.329	ug/L	100
61) Bromoform	9.96	173	88625	19.551	ug/L	93
62) 1,3-Dichlorobenzene	11.41	146	430081	19.152	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	429979	18.763	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	401297	18.883	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	24571	19.583	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	345546	19.885	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	302578	20.893	ug/L	99
69) Naphthalene	13.74	128	532822	21.510	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	272940	19.760	ug/L	100

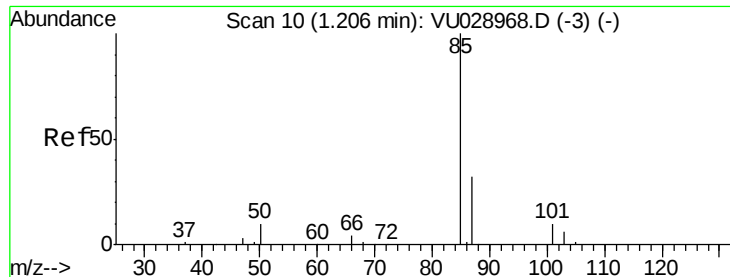
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.978 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

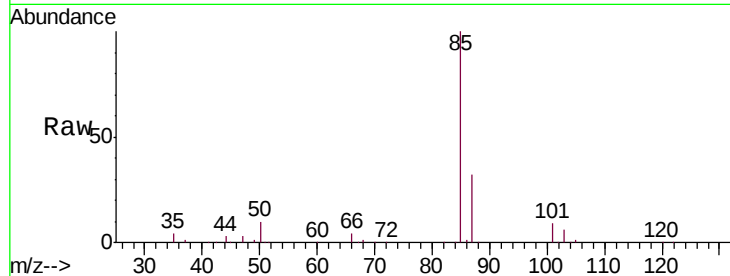
VSTD02045

Tgt Ion: 85 Resp: 226925

Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

250000

200000

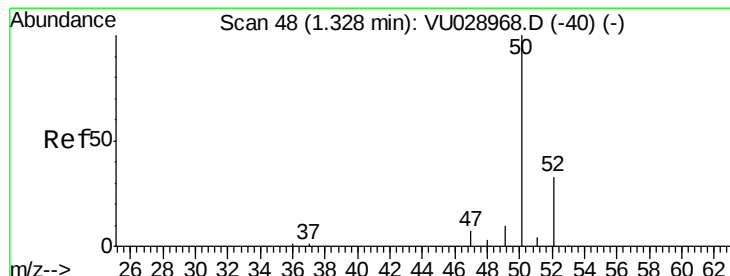
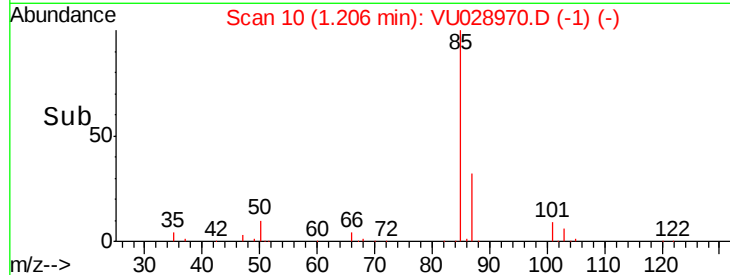
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 18.757 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028970.D

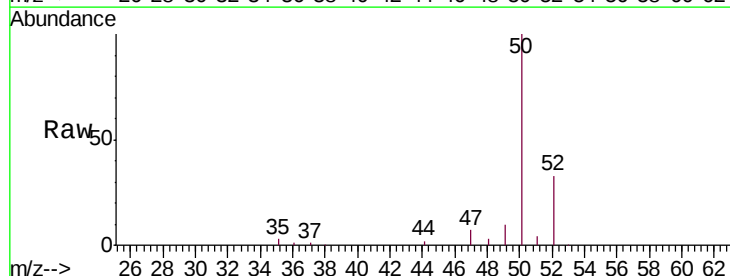
Acq: 27 Dec 2018 17:15

Tgt Ion: 50 Resp: 250271

Ion Ratio Lower Upper

50 100

52 33.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.32

250000

200000

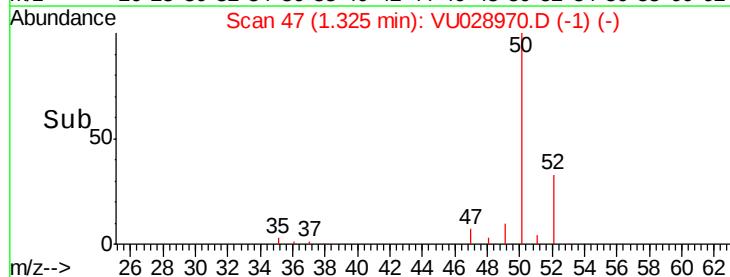
150000

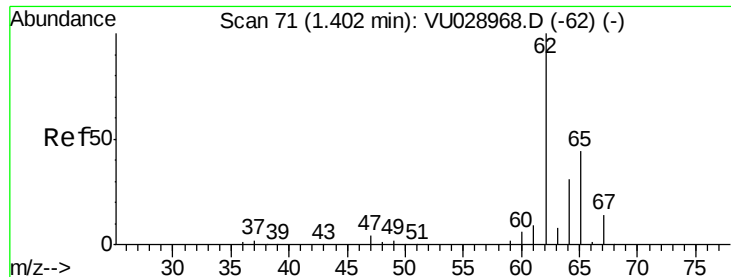
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 18.762 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

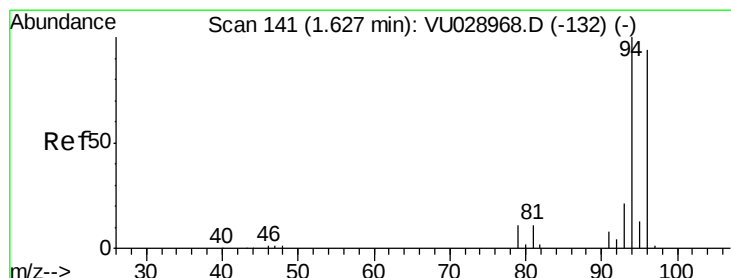
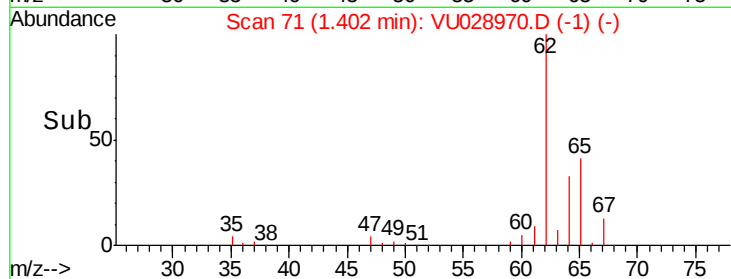
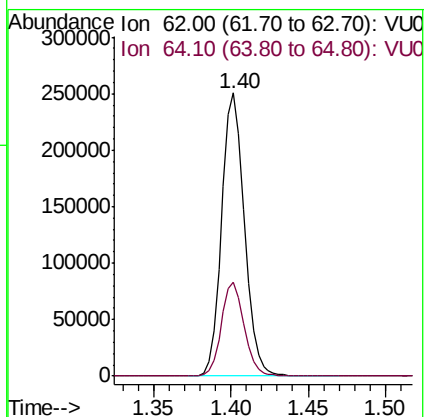
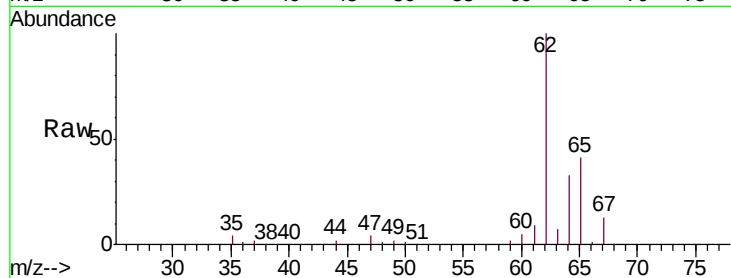
VSTD02045

Tgt Ion: 62 Resp: 255777

Ion Ratio Lower Upper

62 100

64 33.0 21.6 40.2



#6

Bromomethane

Concen: 17.711 ug/L

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028970.D

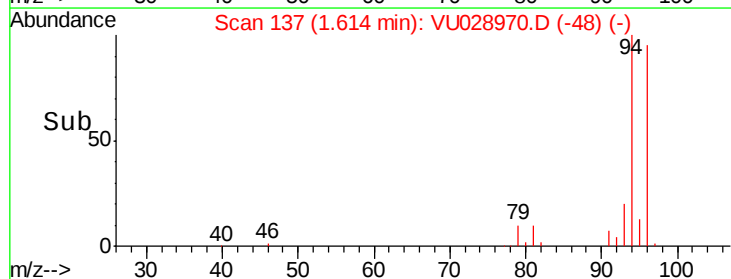
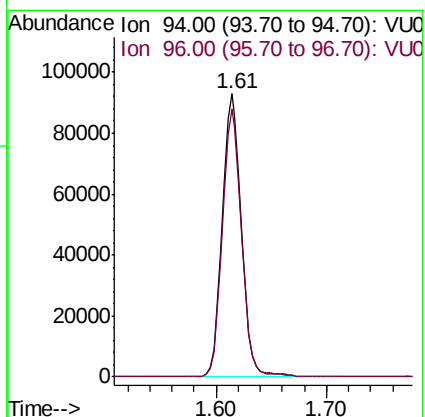
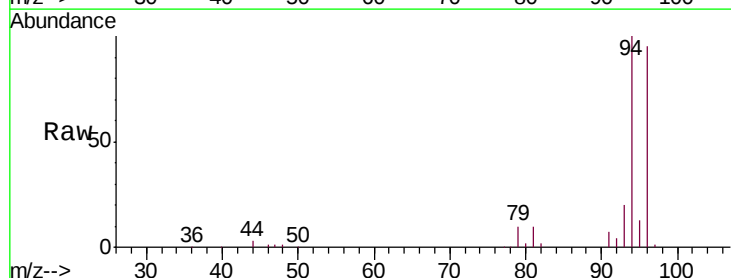
Acq: 27 Dec 2018 17:15

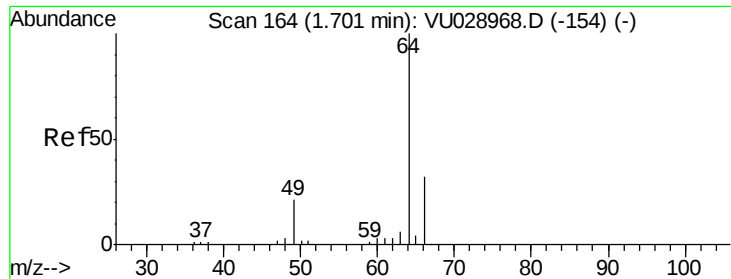
Tgt Ion: 94 Resp: 111780

Ion Ratio Lower Upper

94 100

96 94.9 66.0 122.6





#8

Chloroethane

Concen: 18.689 ug/L

RT: 1.69 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

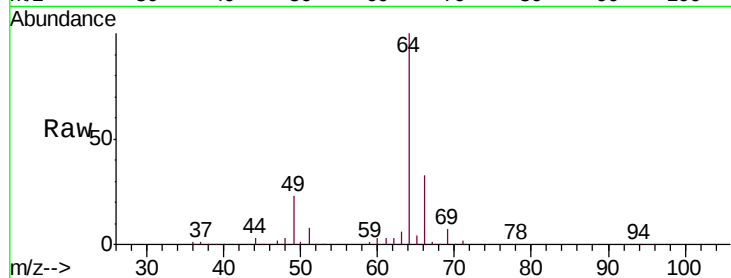
VSTD02045

Tgt Ion: 64 Resp: 145391

Ion Ratio Lower Upper

64 100

66 32.7 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU028968.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU028968.D (-154) (-)

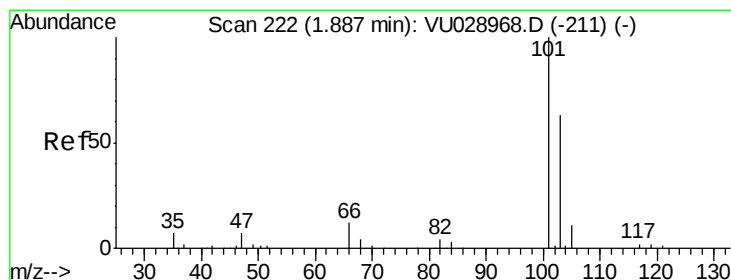
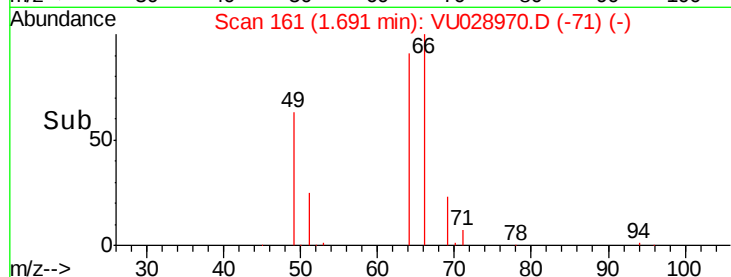
1.69

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 18.791 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU028970.D

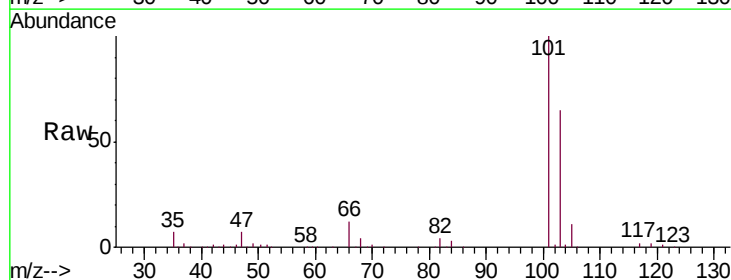
Acq: 27 Dec 2018 17:15

Tgt Ion: 101 Resp: 292945

Ion Ratio Lower Upper

101 100

103 65.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028968.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028968.D (-211) (-)

1.88

200000

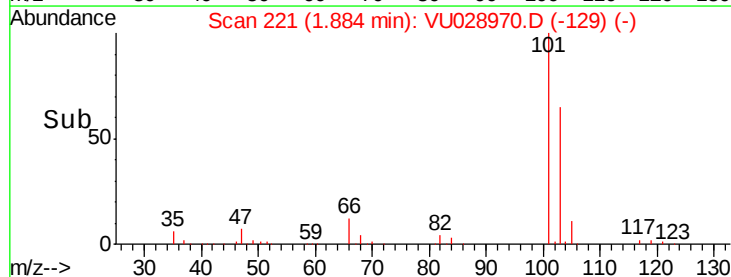
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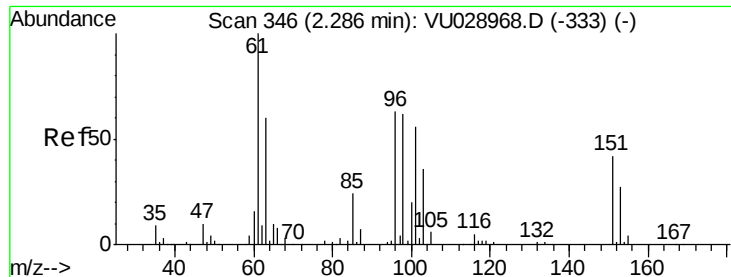
100000

50000

0

Time-->





#10

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

Concen: 18.902 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

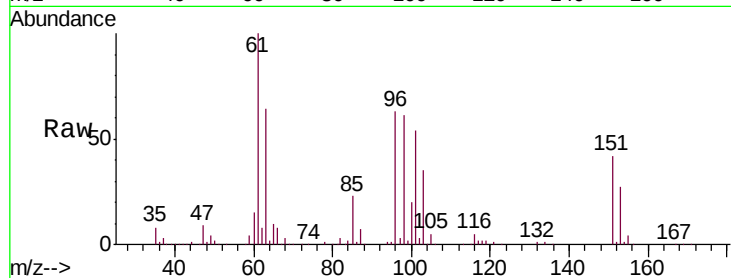
Tgt Ion: 101 Resp: 190162

Ion Ratio Lower Upper

101 100

85 41.3 33.8 50.6

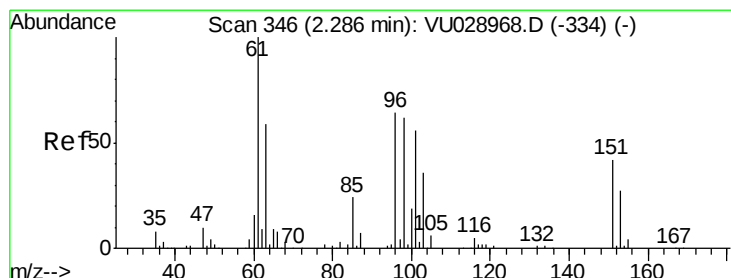
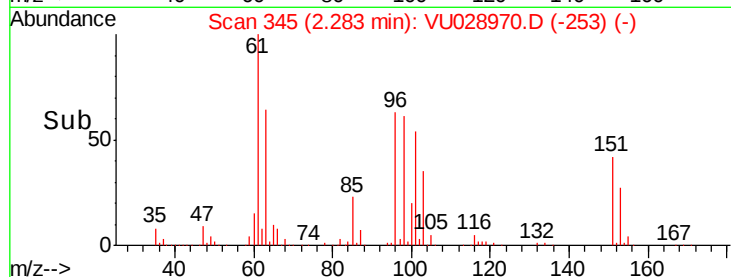
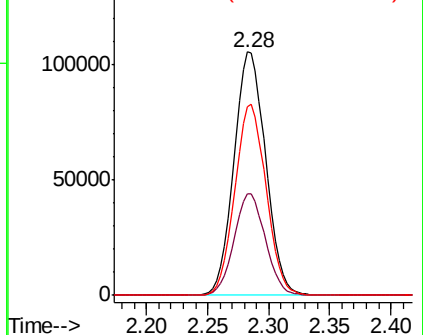
151 77.1 60.9 91.3



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: 19.095 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

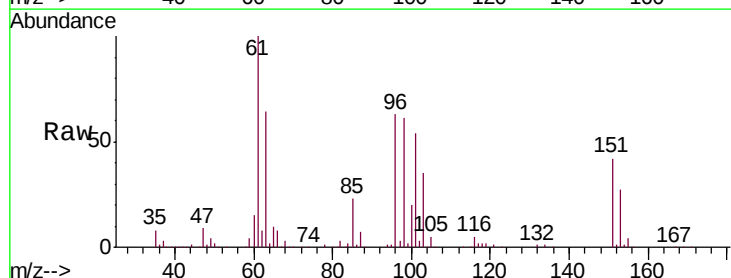
Tgt Ion: 96 Resp: 186786

Ion Ratio Lower Upper

96 100

61 158.6 110.5 205.3

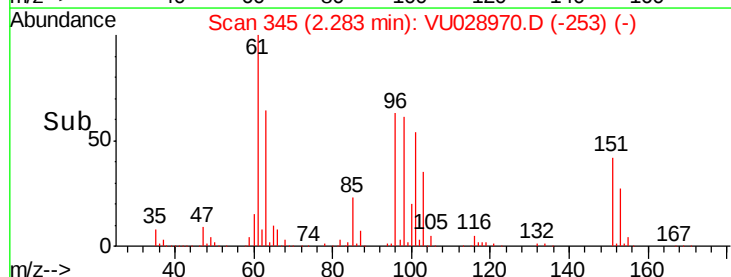
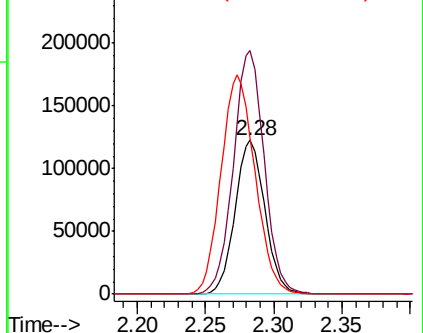
63 101.9 67.6 125.6

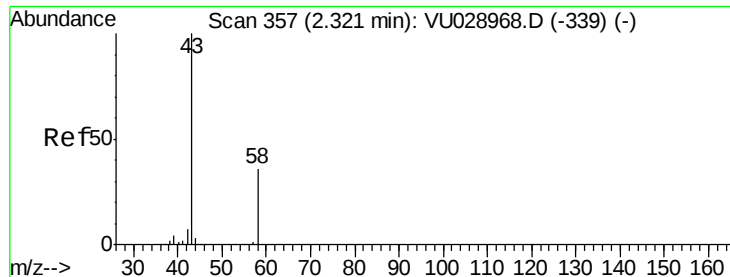


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 176.246 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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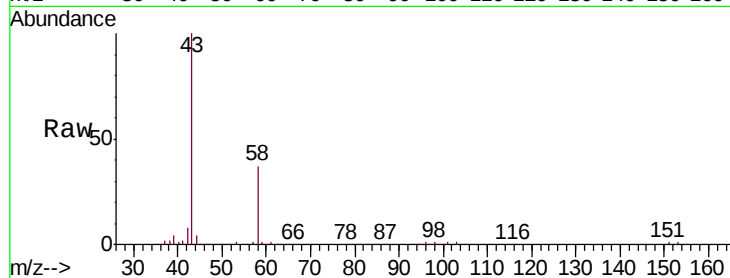
VSTD02045

Tgt Ion: 43 Resp: 271674

Ion Ratio Lower Upper

43 100

58 36.7 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU028968.D (-339) (-)

Ion 58.05 (57.75 to 58.75): VU028968.D (-339) (-)

2.32

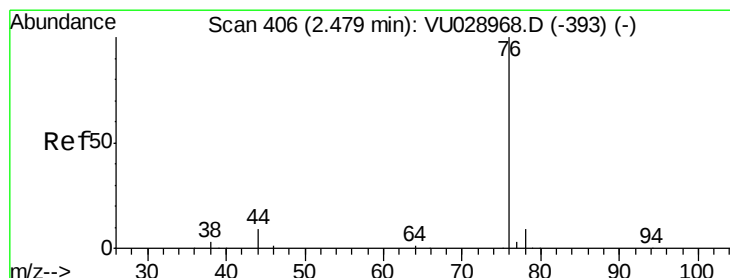
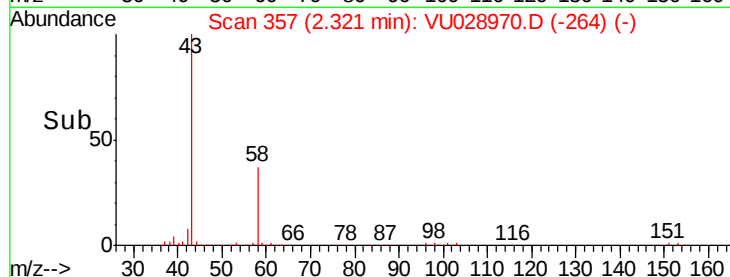
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 18.745 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028970.D

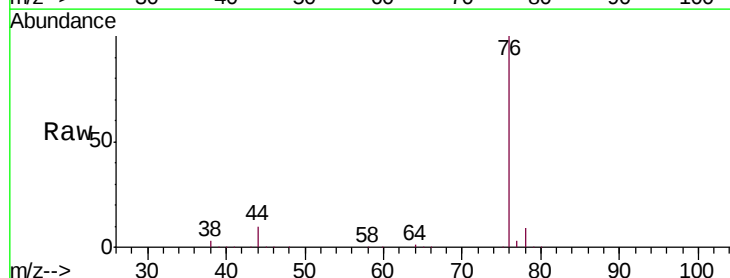
Acq: 27 Dec 2018 17:15

Tgt Ion: 76 Resp: 640706

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU028968.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028968.D (-393) (-)

2.48

400000

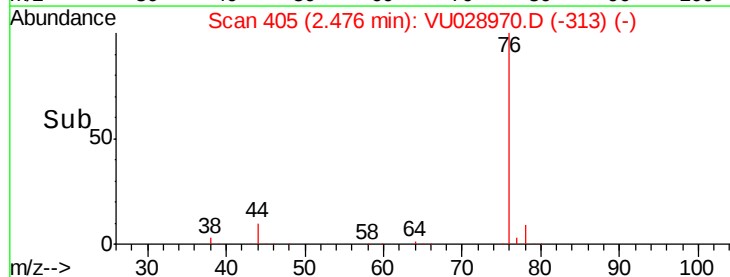
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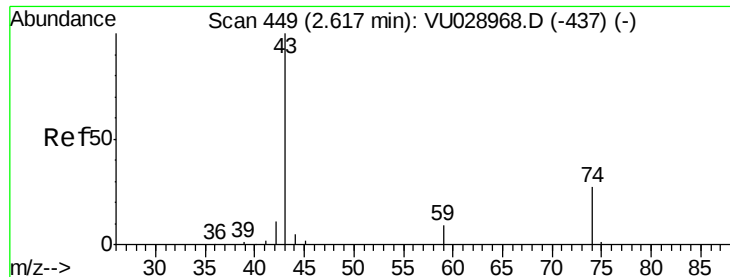
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 17.209 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampled :

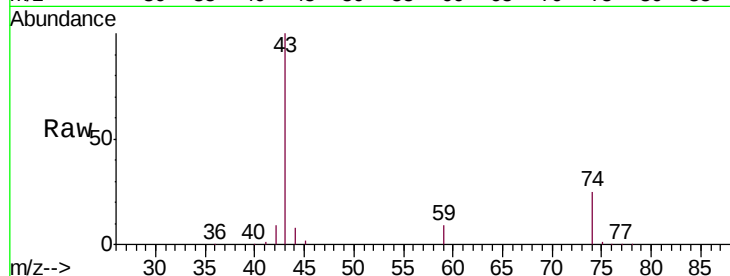
VSTD02045

Tgt Ion: 43 Resp: 77726

Ion Ratio Lower Upper

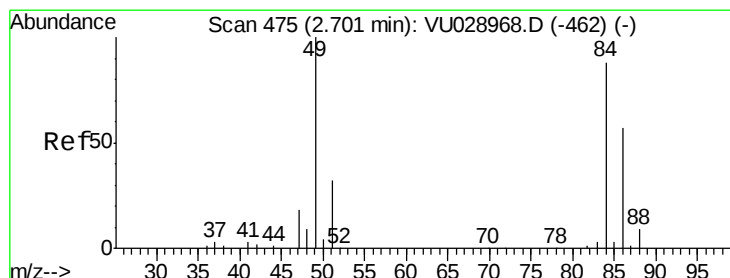
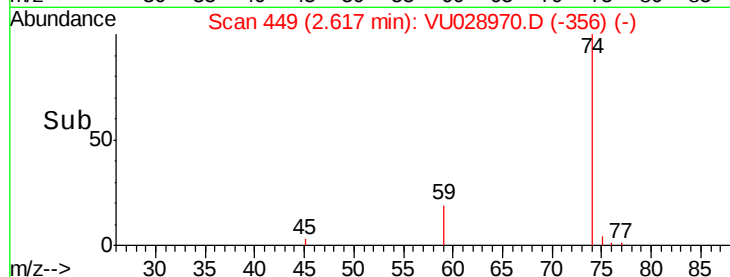
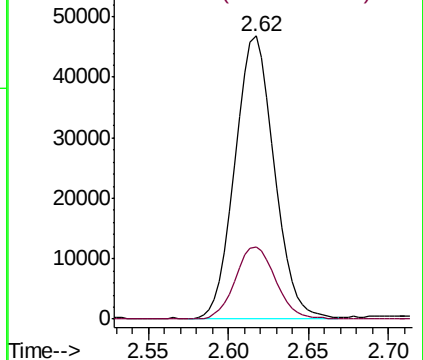
43 100

74 26.4 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 14.488 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

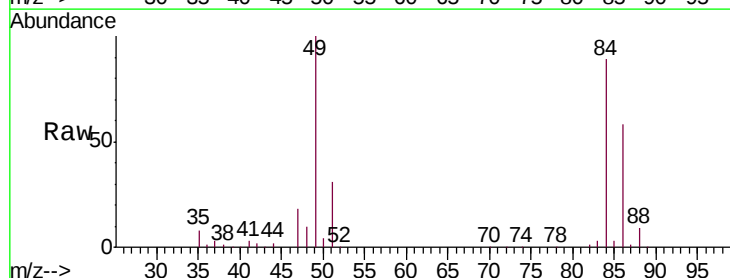
Tgt Ion: 84 Resp: 202909

Ion Ratio Lower Upper

84 100

86 64.4 45.6 84.6

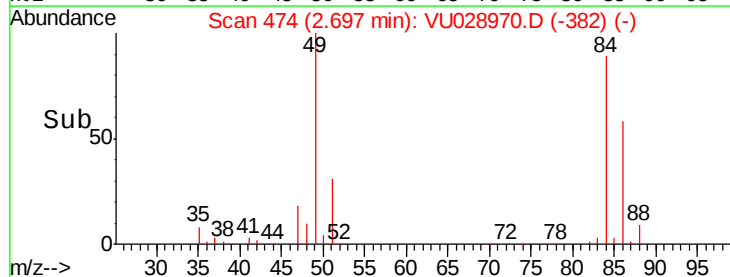
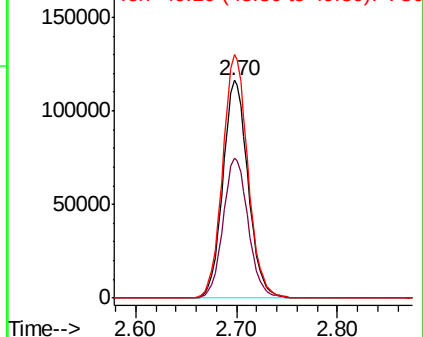
49 111.9 79.7 148.1

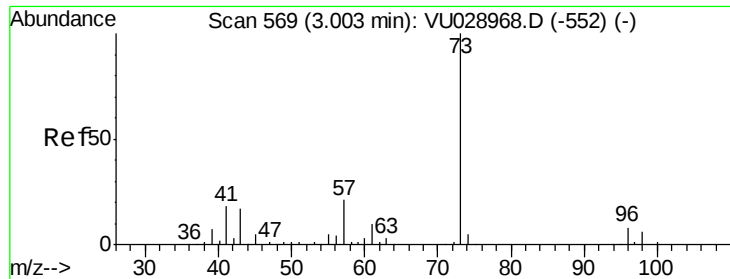


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

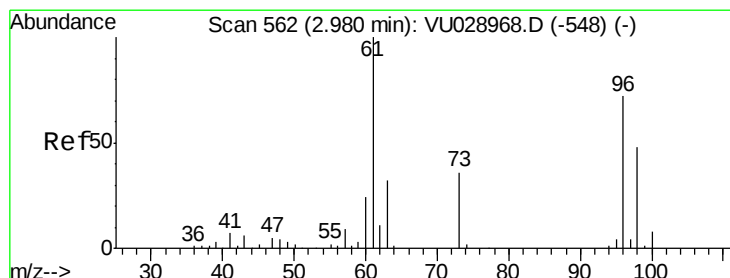
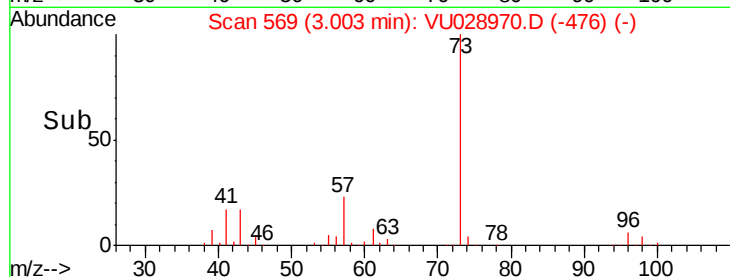
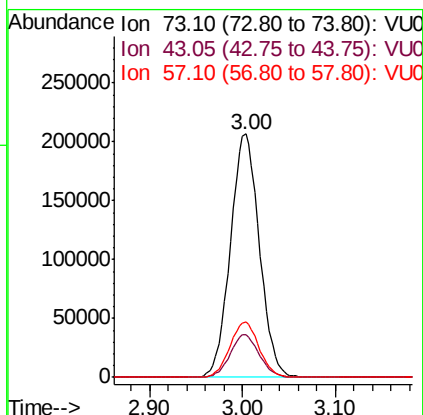
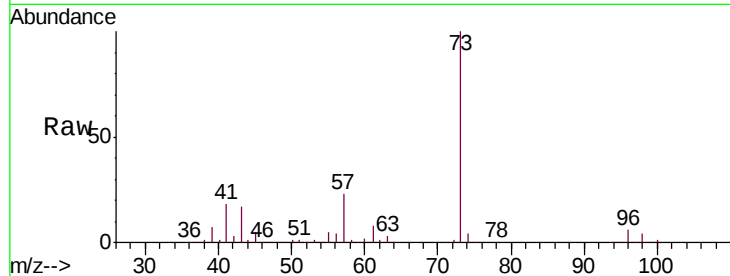




#17
Methyl tert-butyl Ether
Concen: 18.639 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

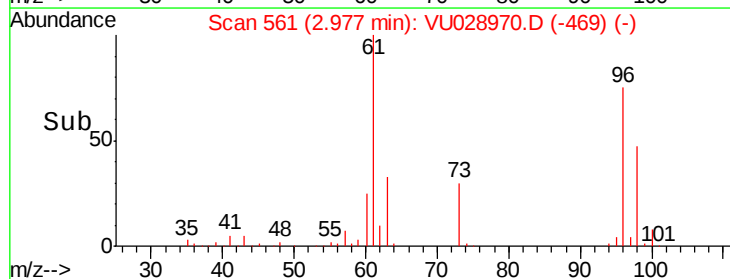
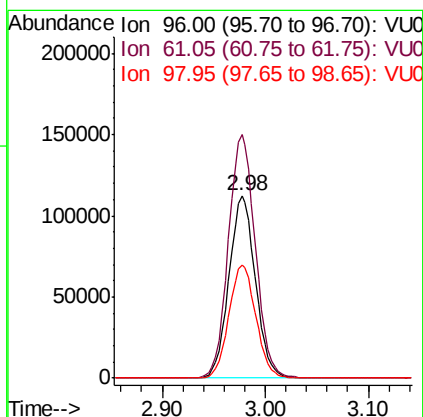
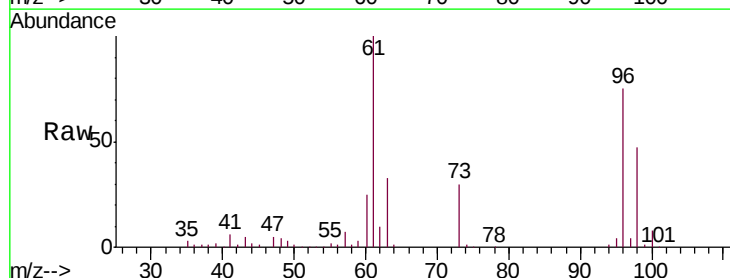
Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

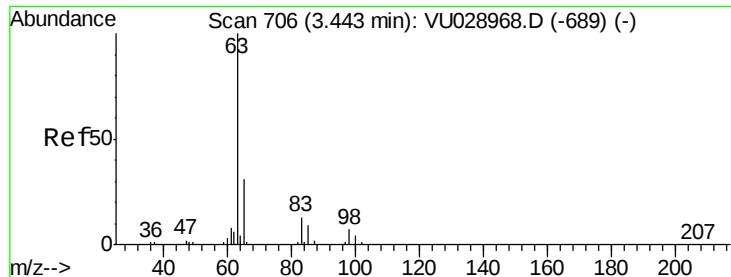
Tgt Ion: 73 Resp: 447704
Ion Ratio Lower Upper
73 100
43 17.6 13.8 20.8
57 22.8 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 18.664 ug/L
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Tgt Ion: 96 Resp: 200439
Ion Ratio Lower Upper
96 100
61 133.6 96.6 179.4
98 62.3 46.0 85.4

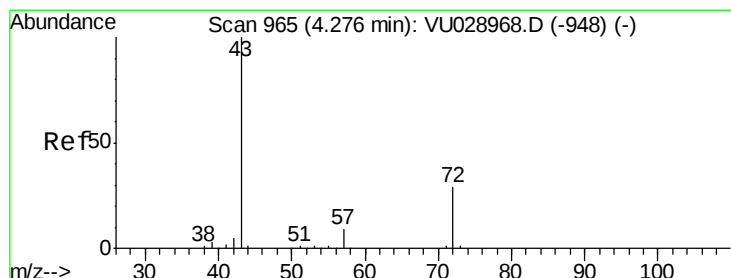
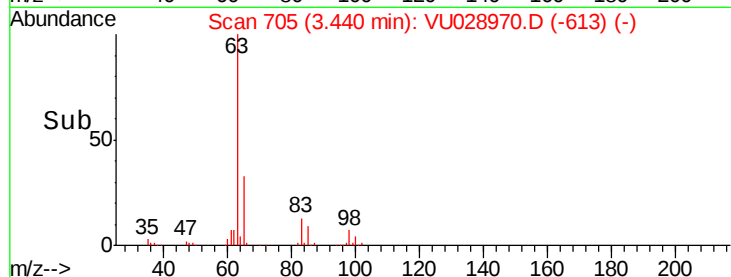
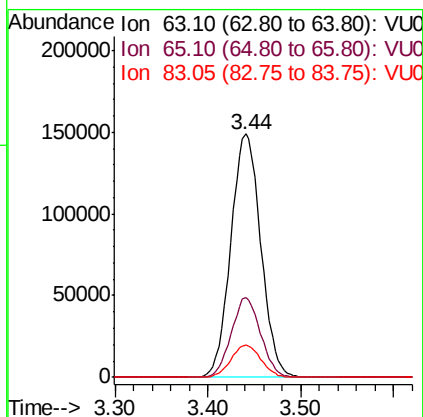
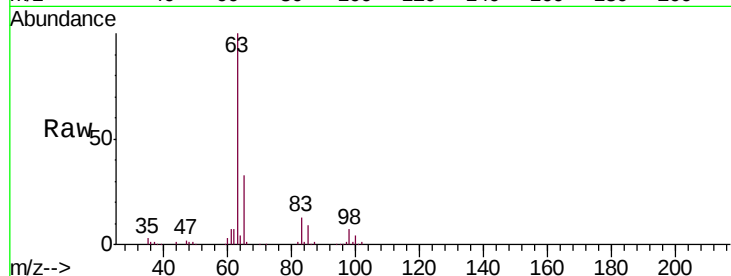




#19
 1,1-Dichloroethane
 Concen: 18.284 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

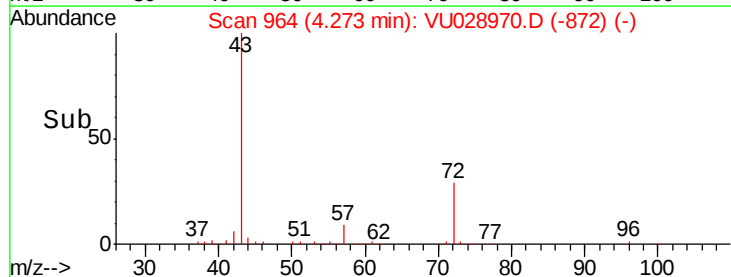
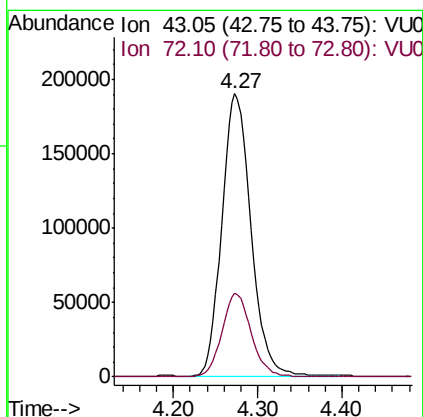
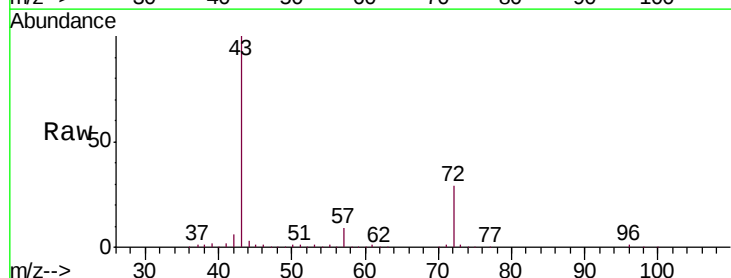
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

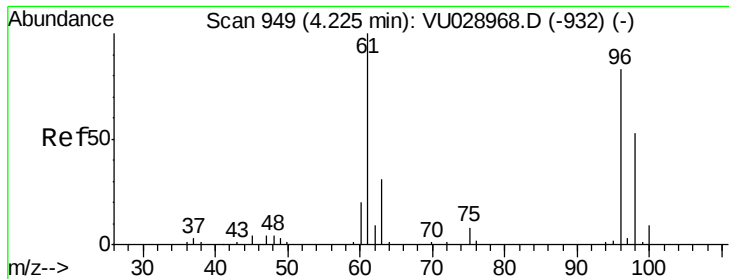
Tgt Ion: 63 Resp: 333394
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.8 40.6
 83 13.3 9.3 17.3



#21
 2-Butanone
 Concen: 197.411 ug/L
 RT: 4.27 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Tgt Ion: 43 Resp: 455266
 Ion Ratio Lower Upper
 43 100
 72 30.0 15.2 45.5



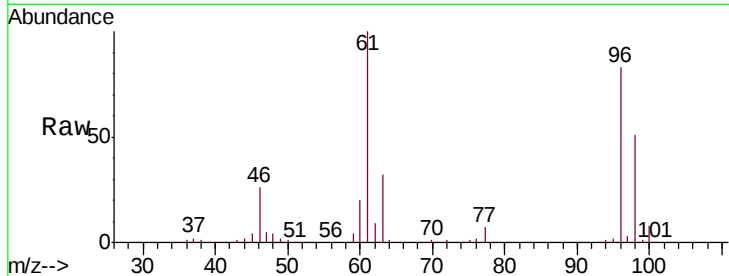


#22

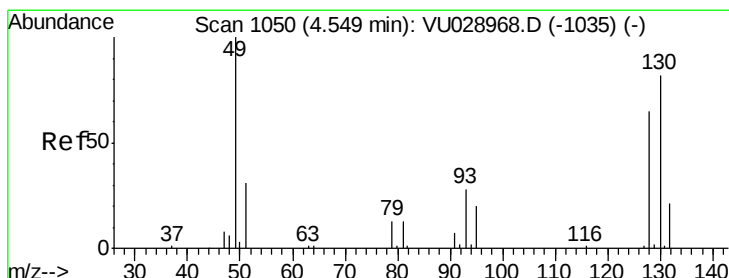
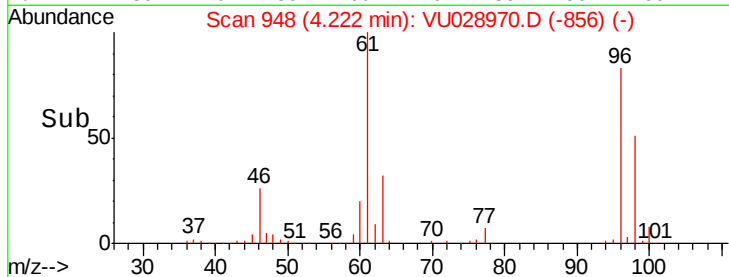
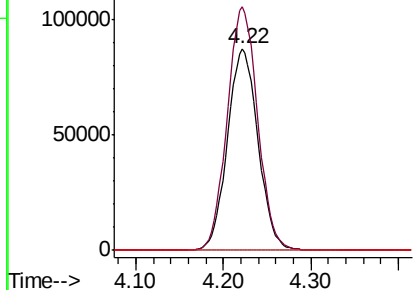
cis-1,2-Dichloroethene
Concen: 19.138 ug/L
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Instrument :
MSVOA_U
ClientSampled :
VSTD02045

Tgt Ion: 96 Resp: 212640
Ion Ratio Lower Upper
96 100
61 120.6 84.7 157.3
68 0.0 0.0 0.0



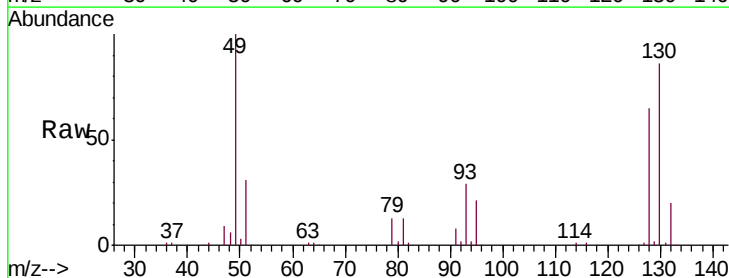
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



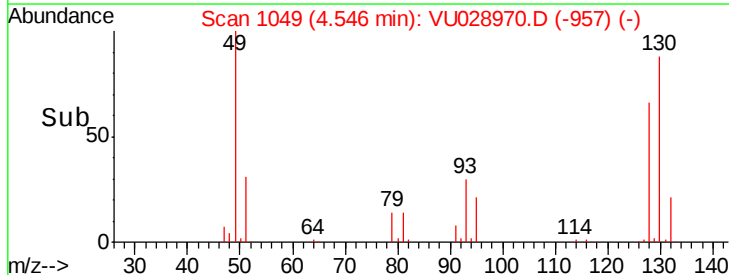
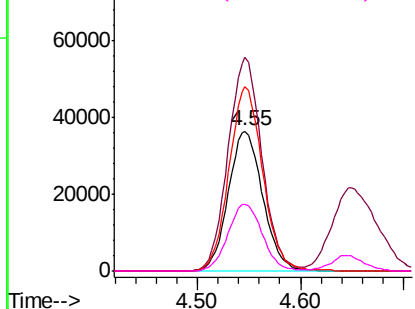
#23

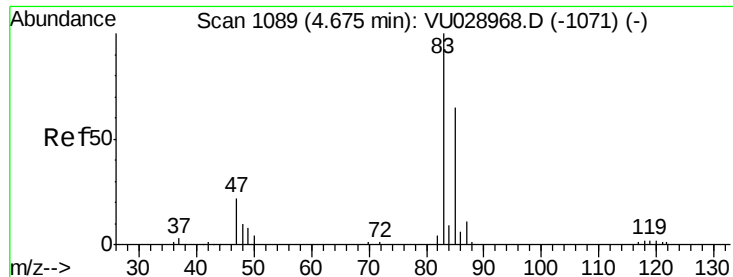
Bromochloromethane
Concen: 18.783 ug/L
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Tgt Ion: 128 Resp: 84684
Ion Ratio Lower Upper
128 100
49 152.9 109.3 202.9
130 132.2 88.7 164.7
51 48.0 38.8 58.2



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

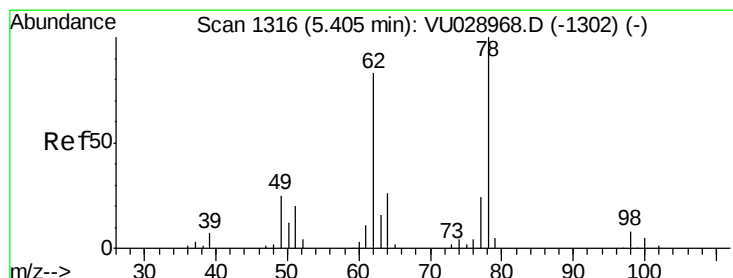
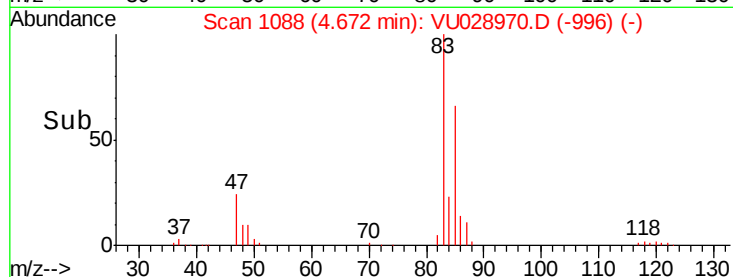
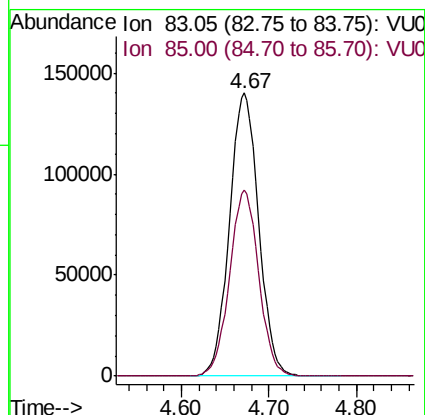
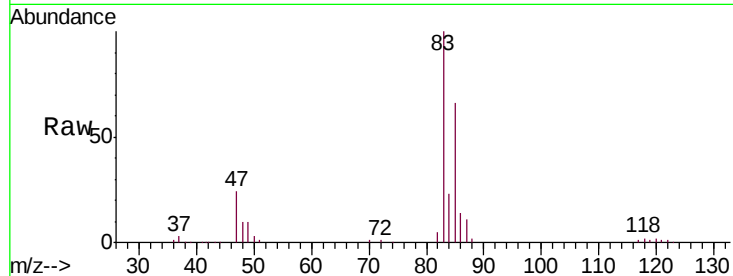




#25
Chloroform
Concen: 18.706 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

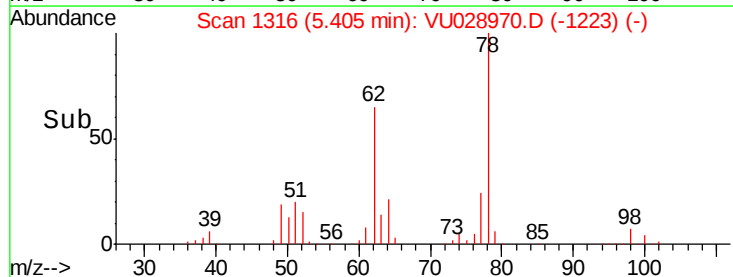
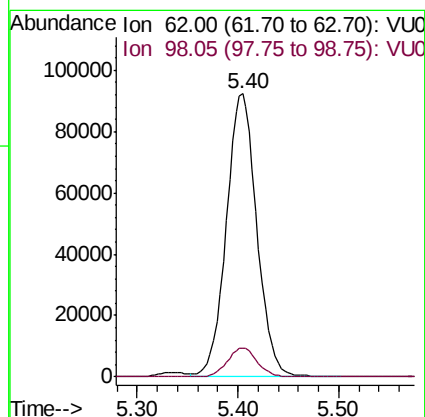
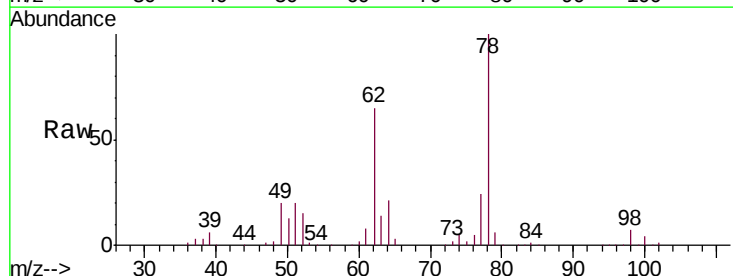
Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

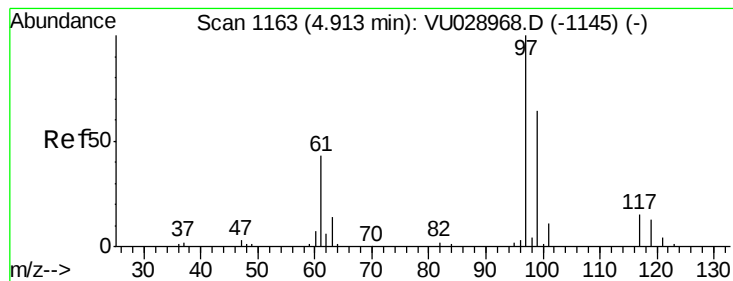
Tgt Ion: 83 Resp: 324072
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 18.911 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Tgt Ion: 62 Resp: 193816
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 18.572 ug/L

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

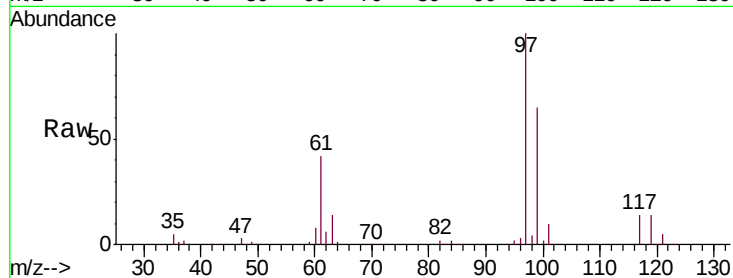
Tgt Ion: 97 Resp: 266638

Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

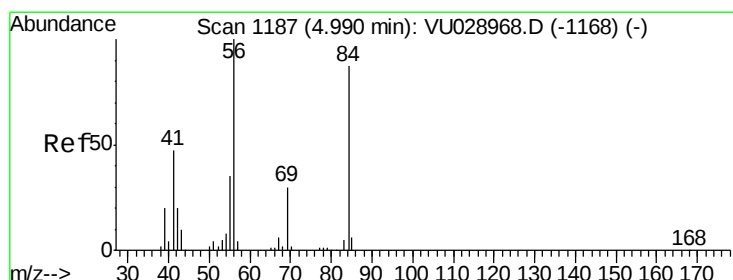
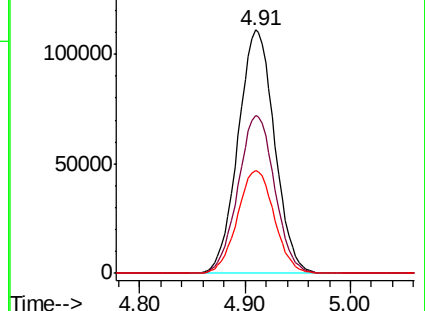
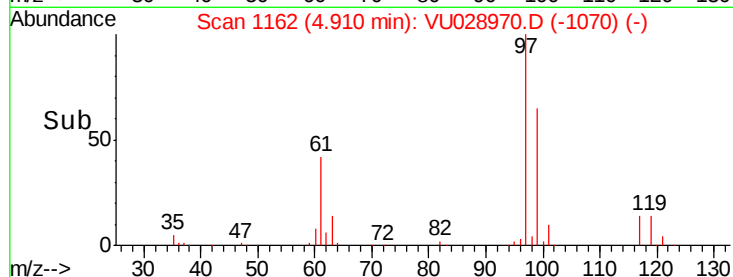
61 42.8 34.1 51.1



Abundance Ion 96.95 (96.65 to 97.65): VU028970.D (-1070) (-)

Ion 99.05 (98.75 to 99.75): VU028970.D (-1070) (-)

Ion 61.05 (60.75 to 61.75): VU028970.D (-1070) (-)



#30

Cyclohexane

Concen: 18.876 ug/L

RT: 4.99 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

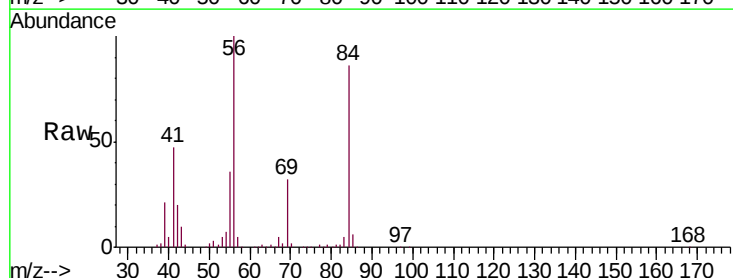
Tgt Ion: 56 Resp: 324696

Ion Ratio Lower Upper

56 100

69 31.3 24.8 37.2

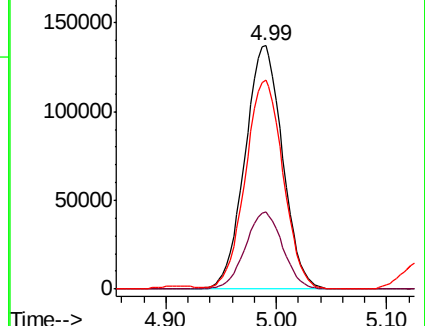
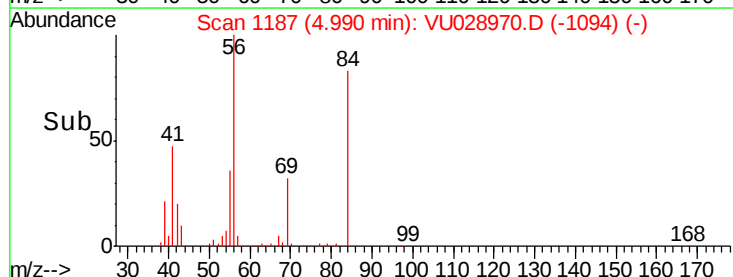
84 86.4 69.1 103.7

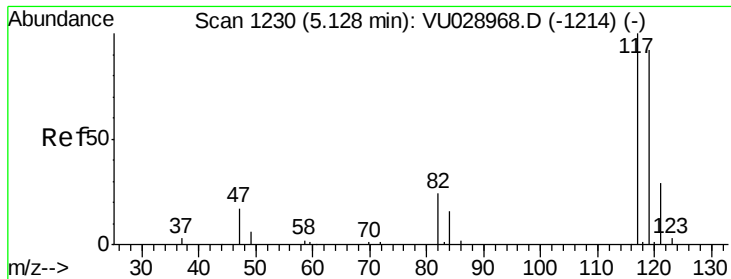


Abundance Ion 56.10 (55.80 to 56.80): VU028970.D (-1094) (-)

Ion 69.15 (68.85 to 69.85): VU028970.D (-1094) (-)

Ion 84.15 (83.85 to 84.85): VU028970.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 19.275 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

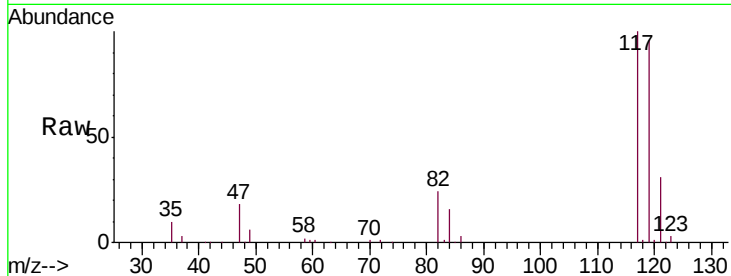
VSTD02045

Tgt Ion:117 Resp: 220349

Ion Ratio Lower Upper

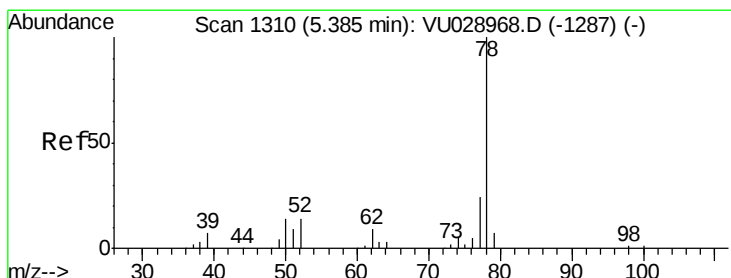
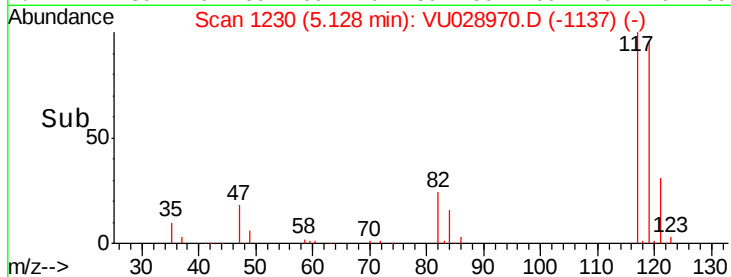
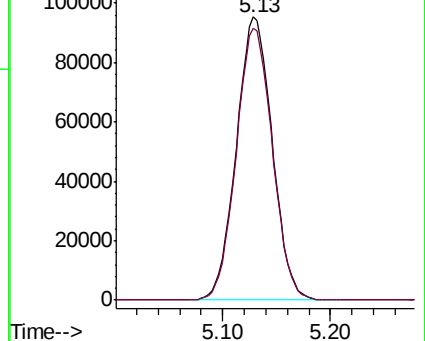
117 100

119 96.7 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.502 ug/L

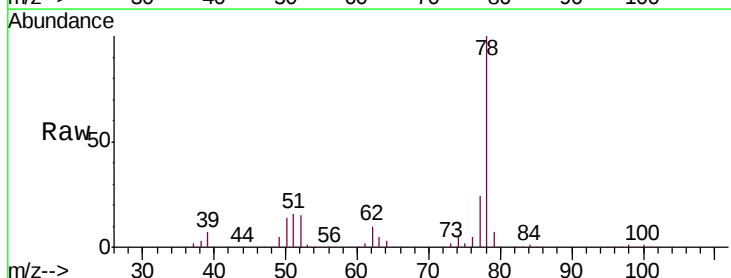
RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

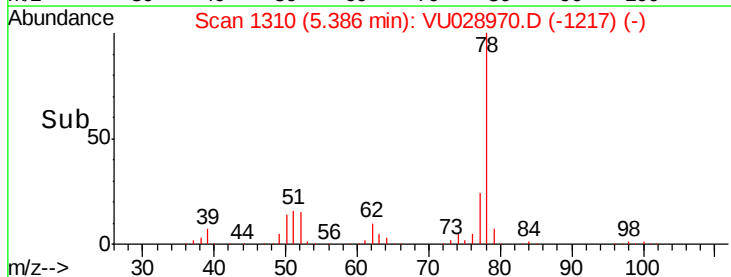
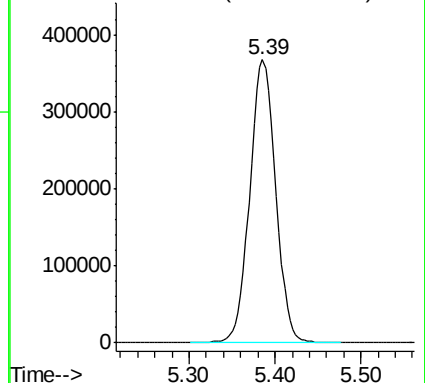
Lab File: VU028970.D

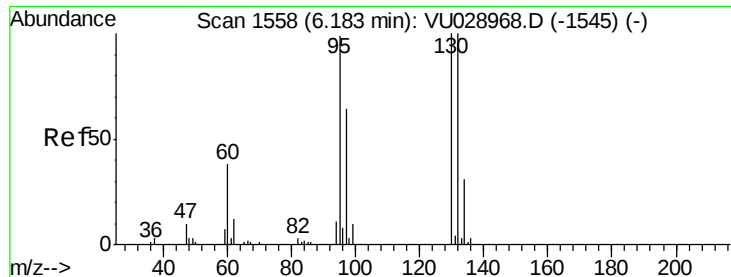
Acq: 27 Dec 2018 17:15

Tgt Ion: 78 Resp: 773395



Abundance Ion 78.10 (77.80 to 78.80): VU0

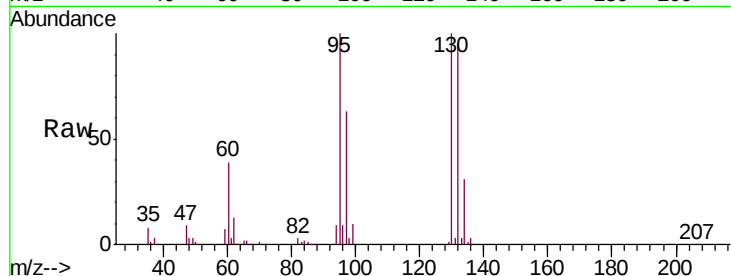




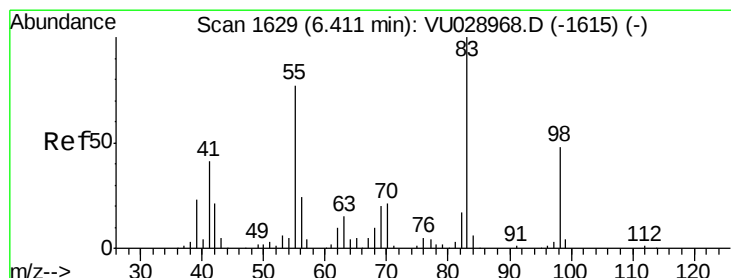
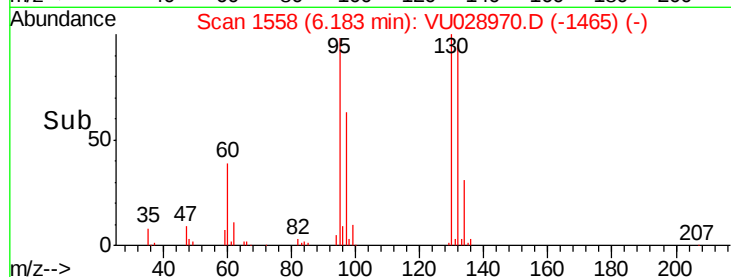
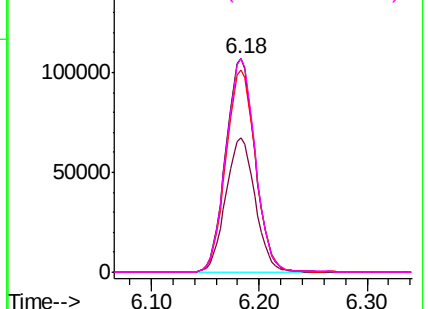
#34
 Trichloroethene
 Concen: 19.015 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion: 95 Resp: 203223
 Ion Ratio Lower Upper
 95 100
 97 62.8 45.4 84.2
 132 94.9 70.8 131.6
 130 100.1 70.7 131.3

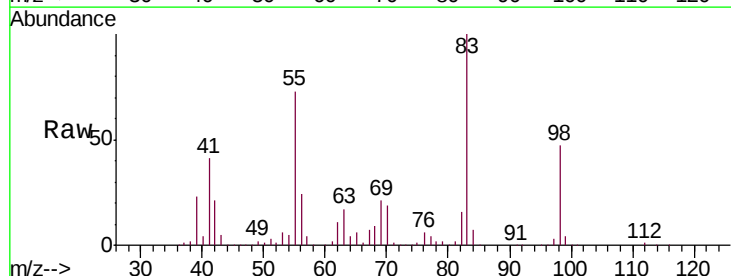


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

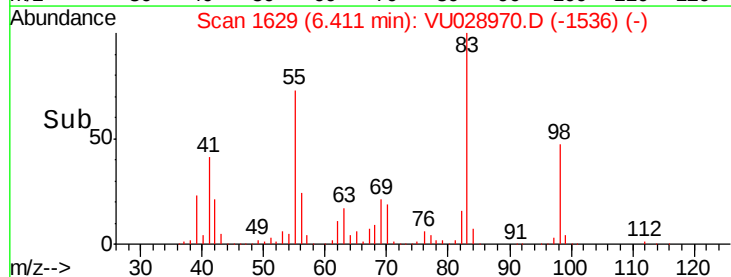
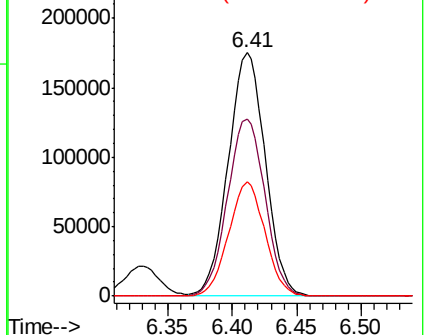


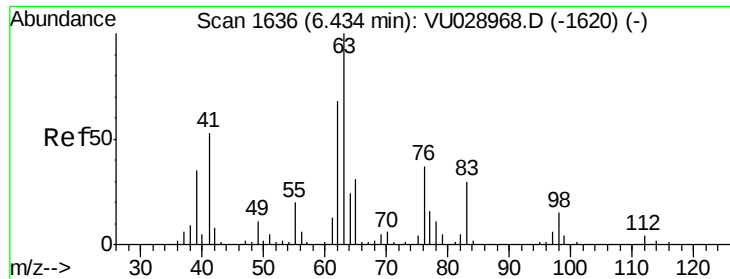
#35
 Methylcyclohexane
 Concen: 19.075 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Tgt Ion: 83 Resp: 350187
 Ion Ratio Lower Upper
 83 100
 55 73.7 59.8 89.6
 98 46.0 37.0 55.6



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

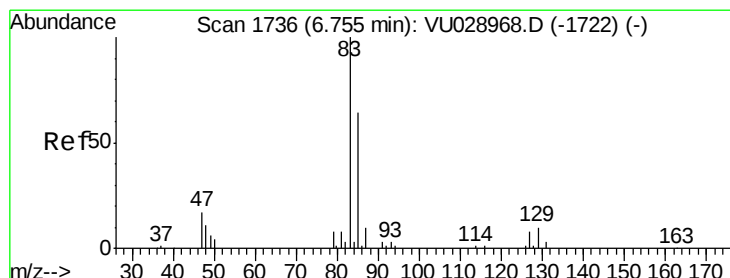
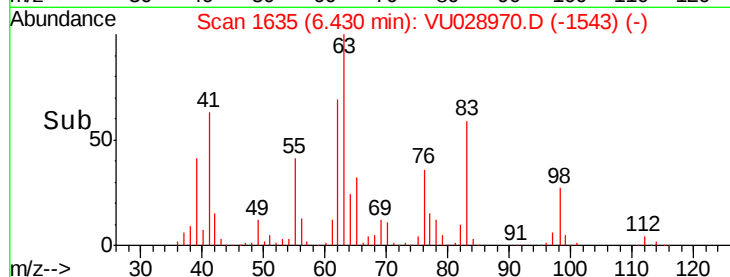
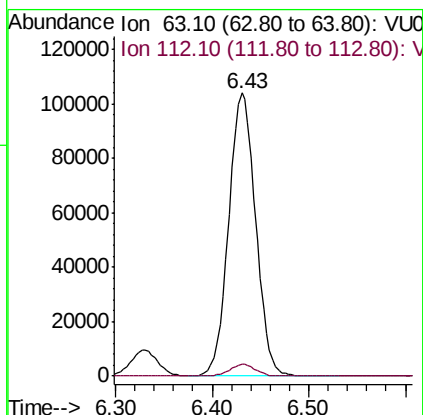
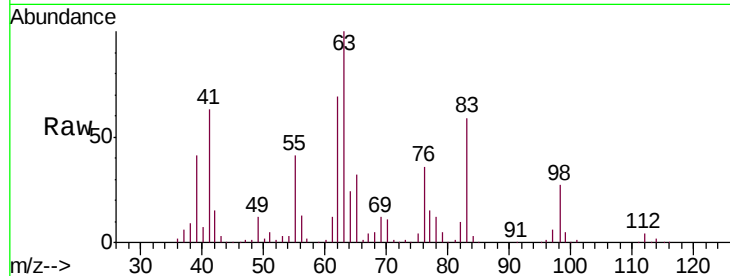




#37
 1,2-Dichloropropane
 Concen: 18.888 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

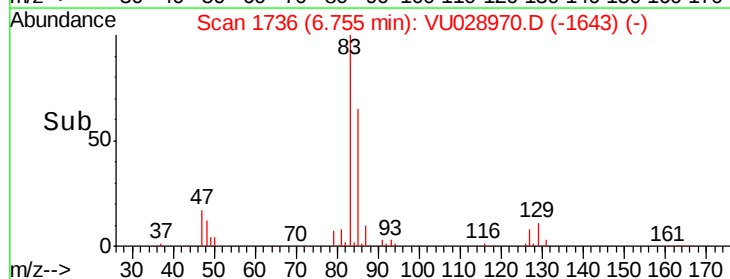
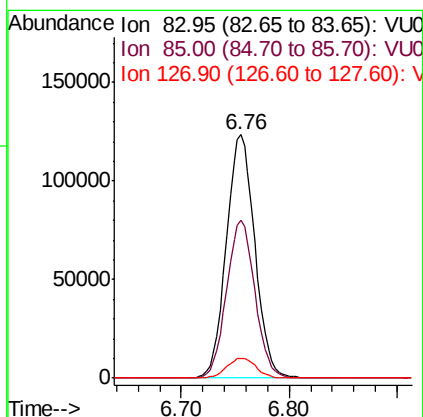
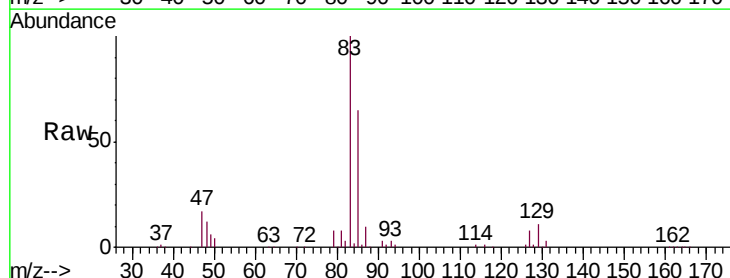
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

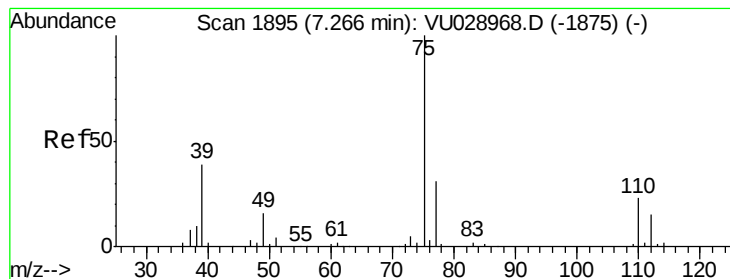
Tgt Ion: 63 Resp: 201143
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 18.935 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Tgt Ion: 83 Resp: 227015
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.9
 127 8.2 6.8 10.2



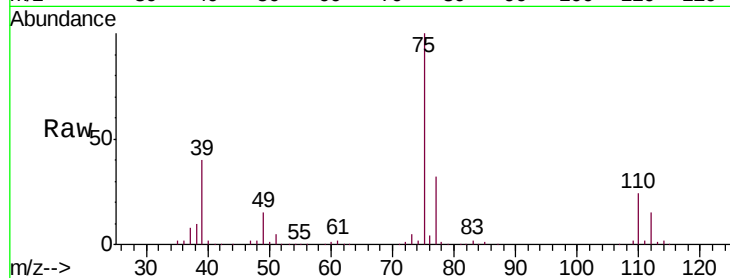


#39

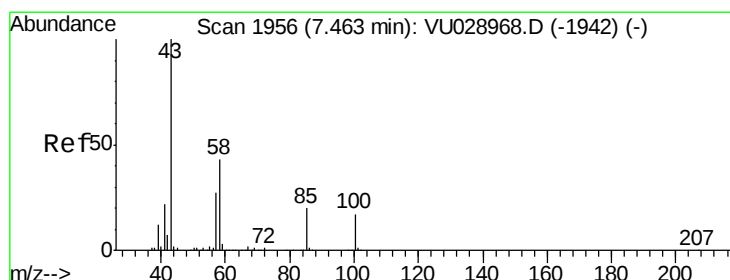
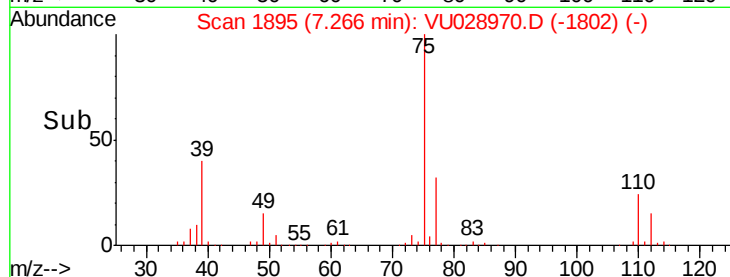
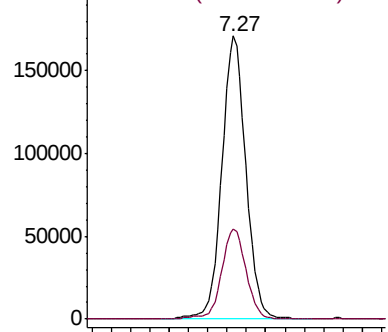
cis-1,3-Dichloropropene
Concen: 19.324 ug/L
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

Tgt Ion: 75 Resp: 295067
Ion Ratio Lower Upper
75 100
77 31.9 21.5 39.9



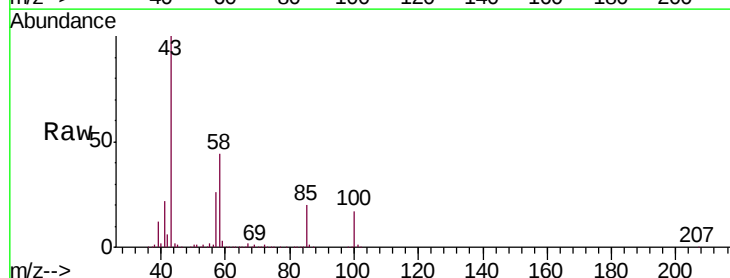
Abundance Ion 75.05 (74.75 to 75.75): VU028968.D (-1875) (-)
Ion 77.05 (76.75 to 77.75): VU028968.D (-1875) (-)



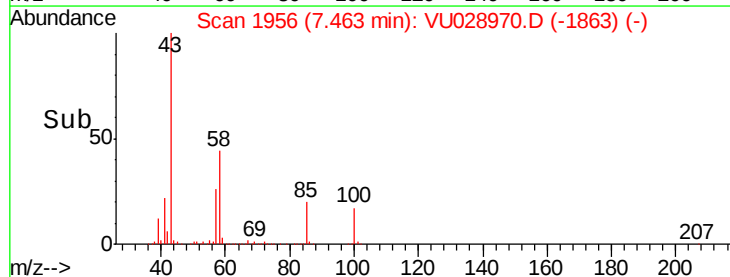
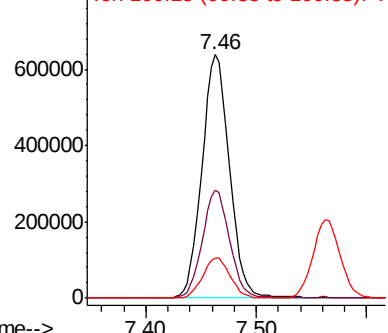
#40

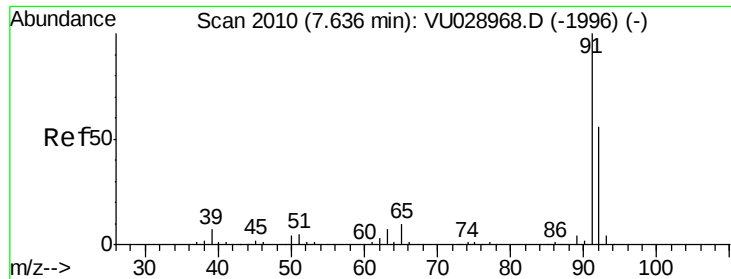
4-Methyl-2-pentanone
Concen: 195.547 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Tgt Ion: 43 Resp: 1108059
Ion Ratio Lower Upper
43 100
58 43.8 34.6 51.8
100 16.5 13.4 20.0



Abundance Ion 43.05 (42.75 to 43.75): VU028968.D (-1942) (-)
Ion 58.05 (57.75 to 58.75): VU028968.D (-1942) (-)
Ion 100.15 (99.85 to 100.85): VU028968.D (-1942) (-)





#42

Toluene

Concen: 18.768 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

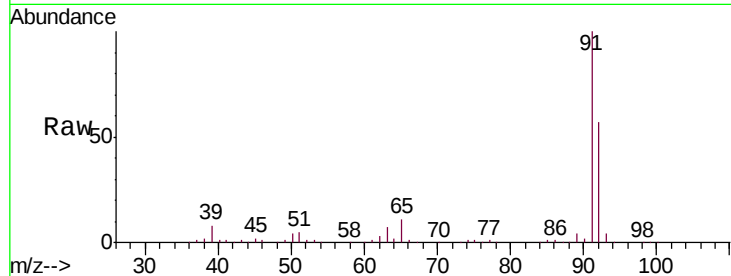
VSTD02045

Tgt Ion: 91 Resp: 839757

Ion Ratio Lower Upper

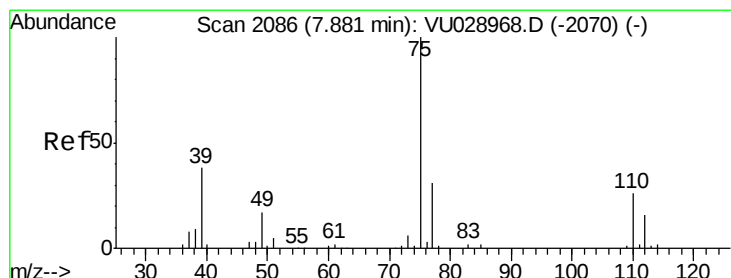
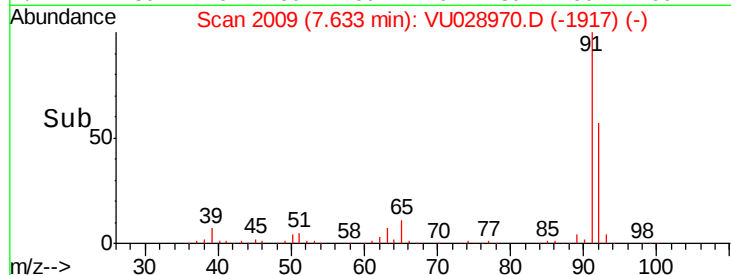
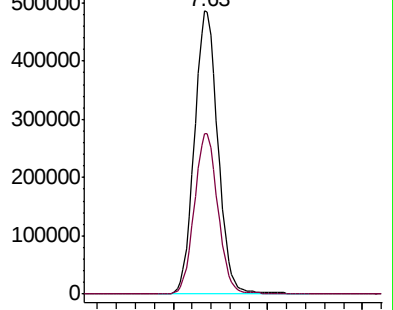
91 100

92 56.9 39.3 73.1



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: 19.806 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028970.D

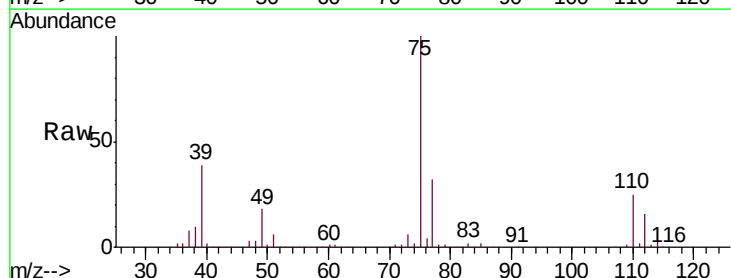
Acq: 27 Dec 2018 17:15

Tgt Ion: 75 Resp: 235666

Ion Ratio Lower Upper

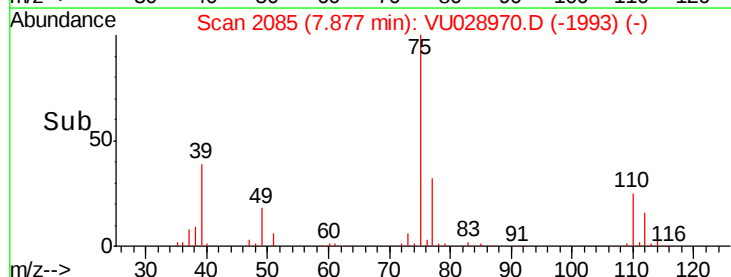
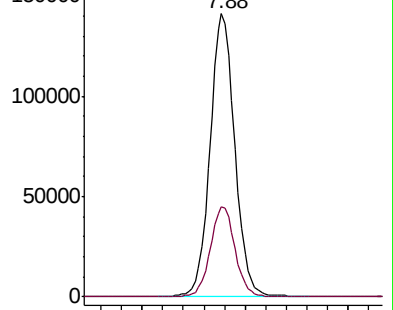
75 100

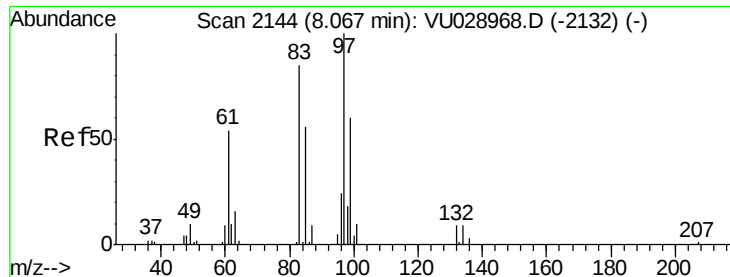
77 31.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

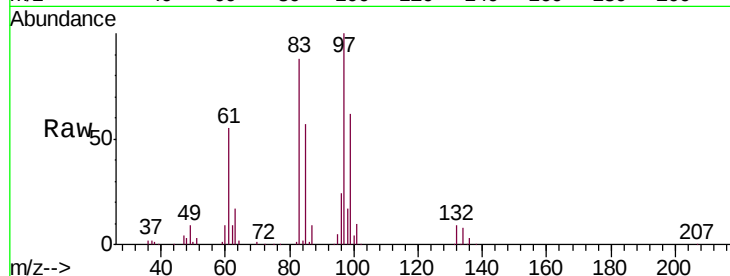




#45
 1,1,2-Trichloroethane
 Concen: 18.703 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion:	97	Resp:	135543
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.4	78.6
83	88.1	59.6	110.6
85	57.4	39.0	72.4



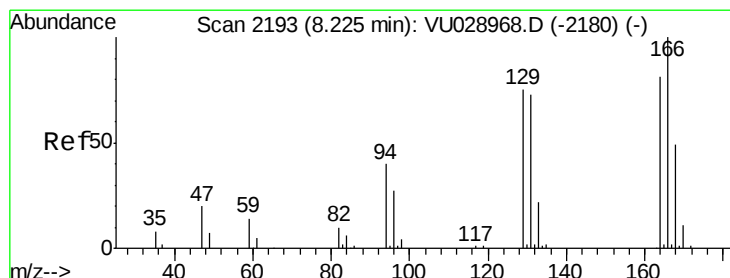
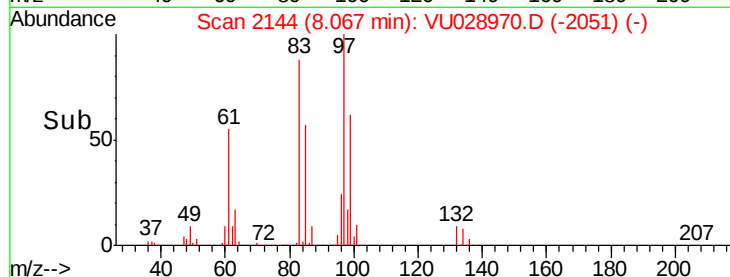
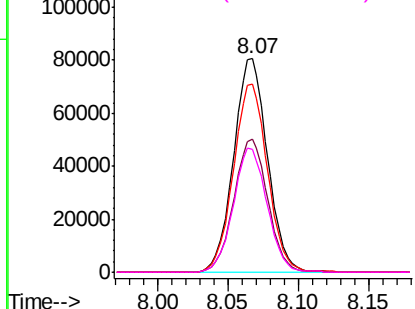
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

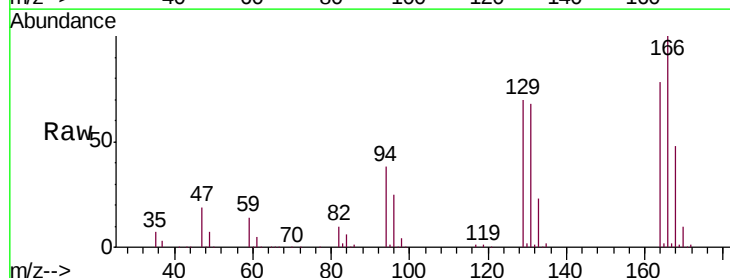
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 18.462 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Tgt Ion:	164	Resp:	163417
Ion	Ratio	Lower	Upper
164	100		
129	90.8	65.3	121.3
131	87.4	62.9	116.7
166	128.9	86.7	160.9



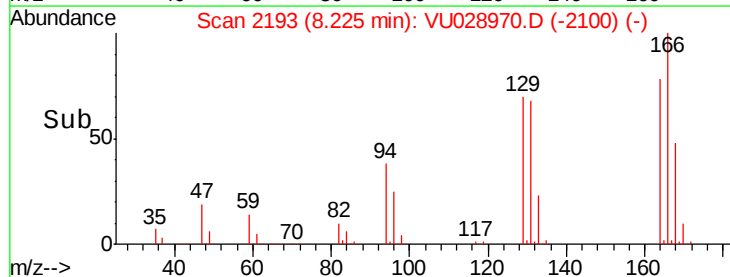
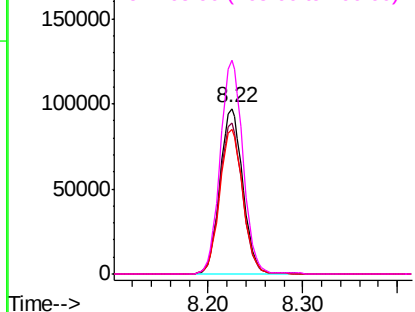
Abundance

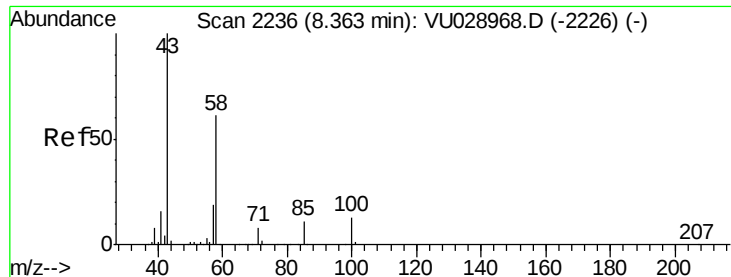
Ion 163.90 (163.60 to 164.60): V

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

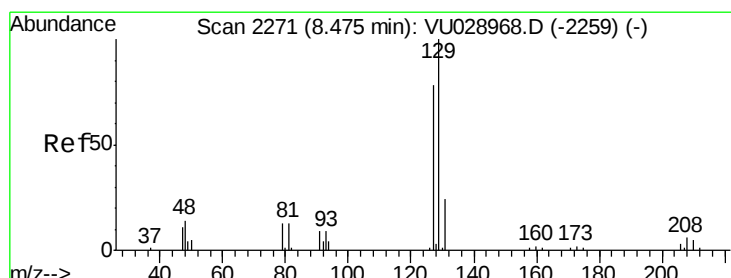
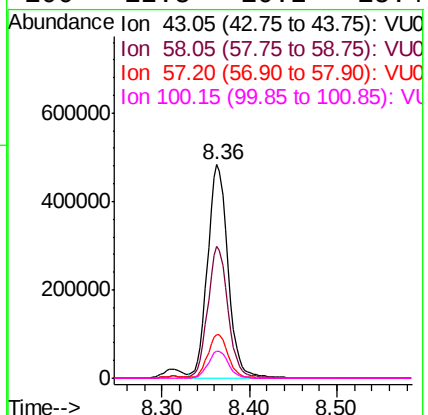
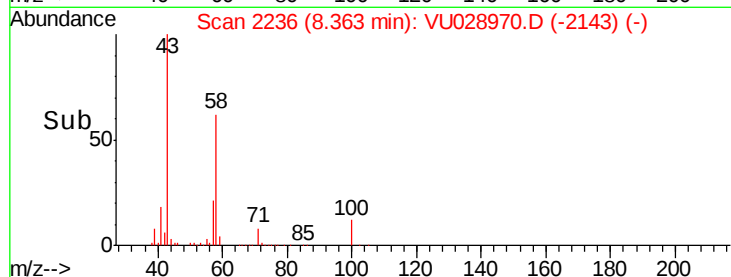
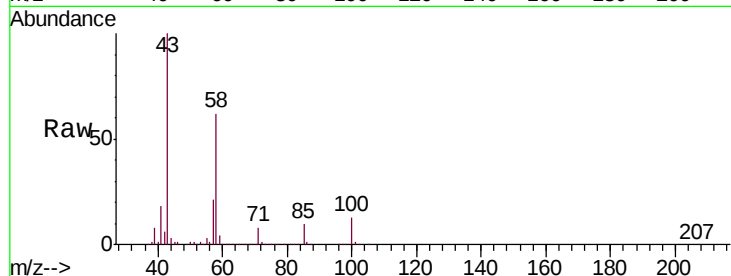




#48
2-Hexanone
Concen: 199.623 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

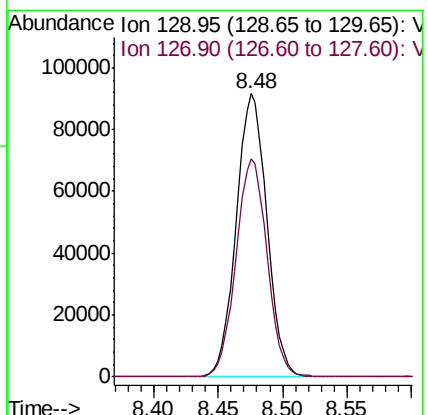
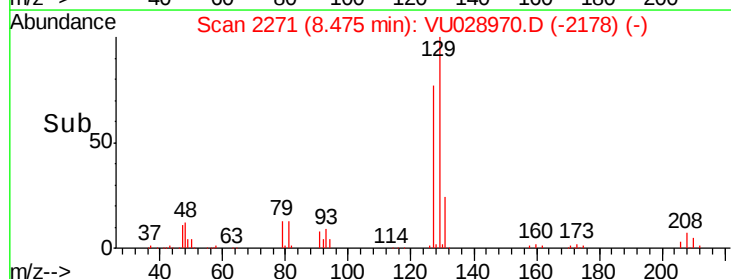
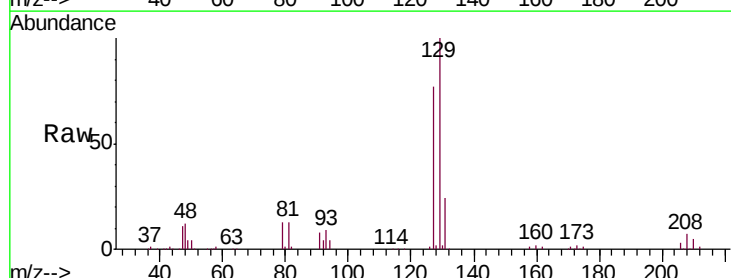
Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

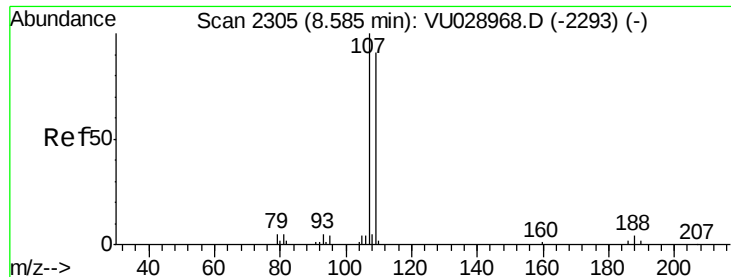
Tgt Ion: 43 Resp: 782450
Ion Ratio Lower Upper
43 100
58 61.0 48.8 73.2
57 20.5 16.0 24.0
100 12.8 10.2 15.4



#49
Dibromochloromethane
Concen: 19.726 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Tgt Ion: 129 Resp: 151770
Ion Ratio Lower Upper
129 100
127 77.3 54.4 101.0





#50

1,2-Dibromoethane

Concen: 19.193 ug/L

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

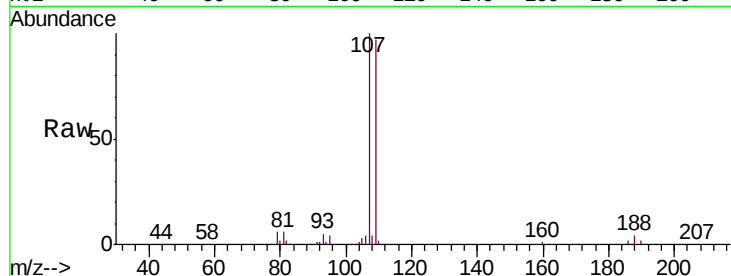
Tgt Ion:107 Resp: 130112

Ion Ratio Lower Upper

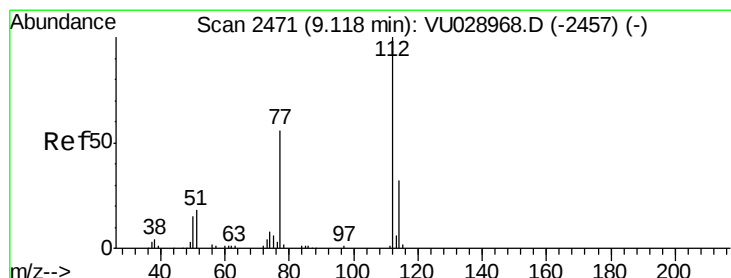
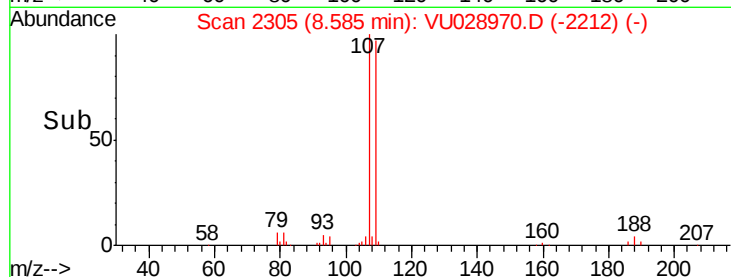
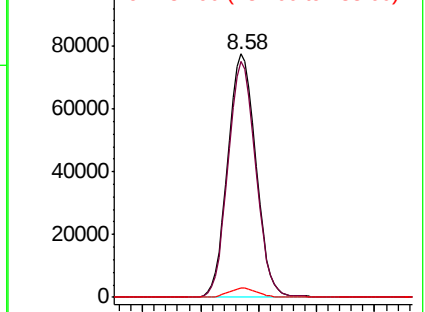
107 100

109 96.7 64.0 119.0

188 3.8 3.0 4.4



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: 18.879 ug/L

RT: 9.12 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

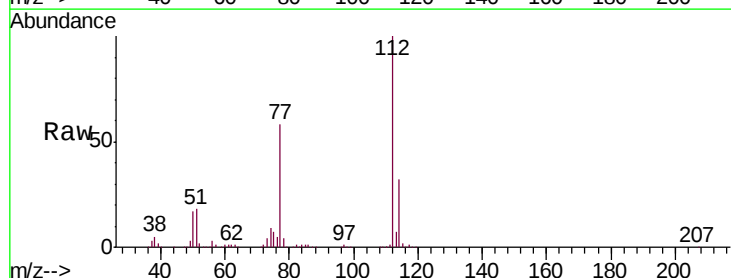
Tgt Ion:112 Resp: 529825

Ion Ratio Lower Upper

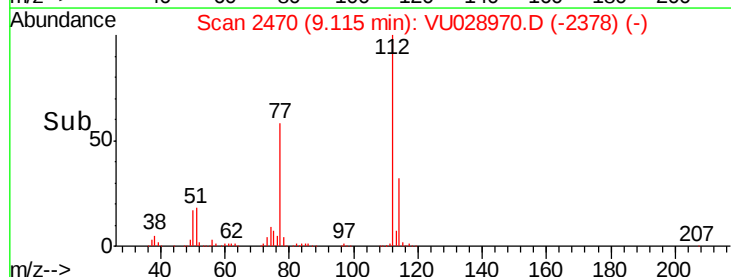
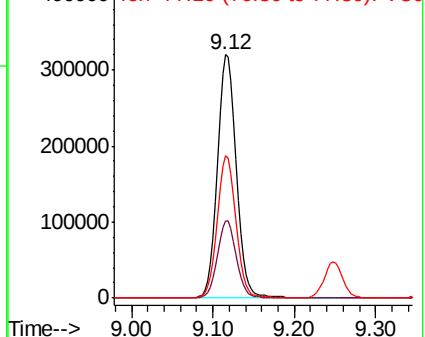
112 100

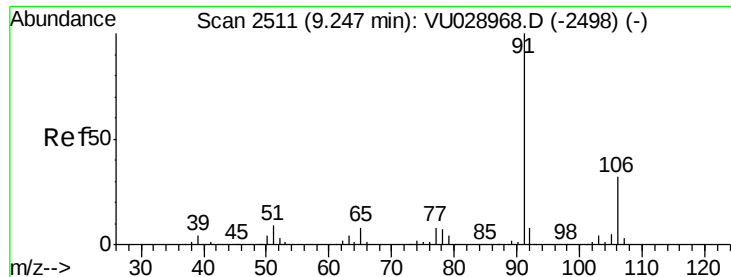
114 31.9 22.2 41.2

77 58.5 44.9 67.3



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: 19.378 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

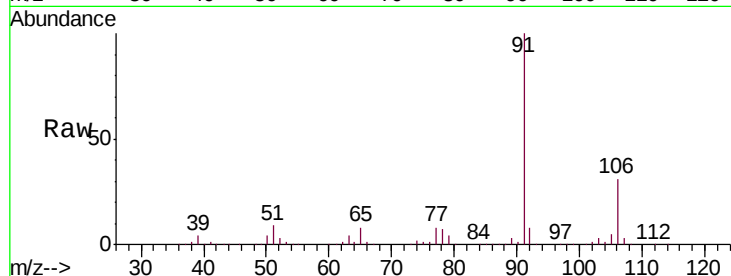
VSTD02045

Tgt Ion: 91 Resp: 919852

Ion Ratio Lower Upper

91 100

106 31.2 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VU028970.D (-2498) (-)

Ion 106.15 (105.85 to 106.85): VU028970.D (-2498) (-)

9.25

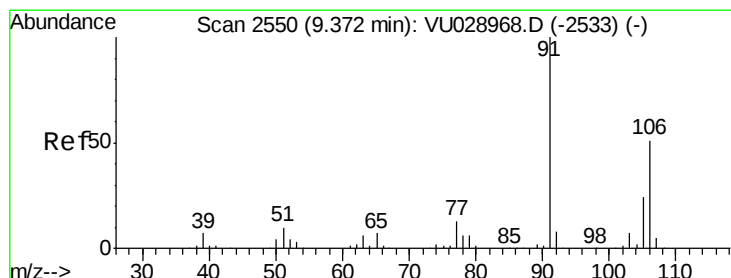
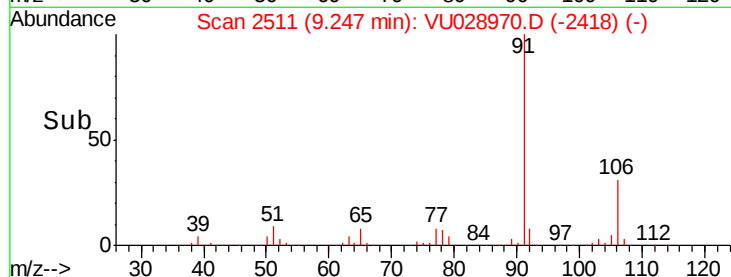
600000

400000

200000

0

Time-->



#53

m,p-xylene

Concen: 19.426 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028970.D

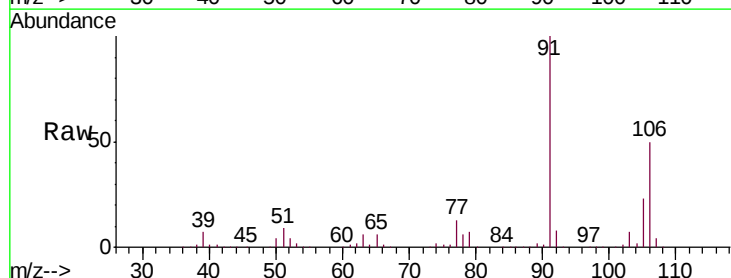
Acq: 27 Dec 2018 17:15

Tgt Ion: 106 Resp: 350902

Ion Ratio Lower Upper

106 100

91 201.1 138.5 257.1



Abundance Ion 106.15 (105.85 to 106.85): VU028970.D (-2533) (-)

Ion 91.15 (90.85 to 91.85): VU028970.D (-2533) (-)

9.37

500000

400000

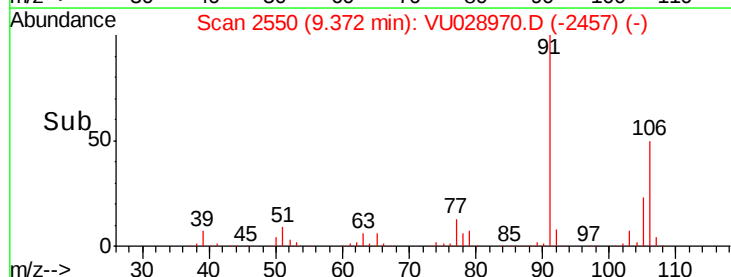
300000

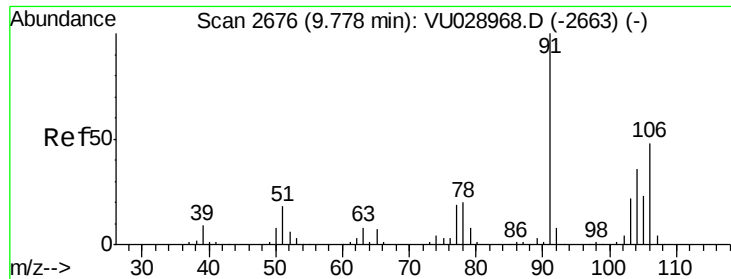
200000

100000

0

Time-->

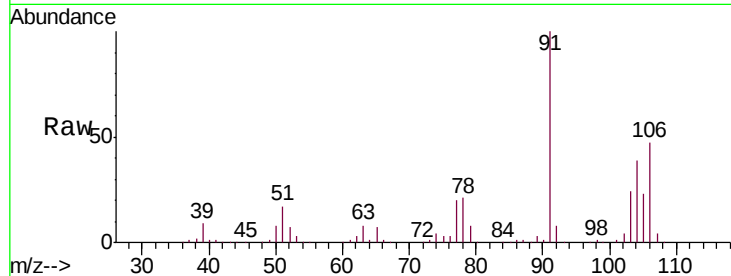




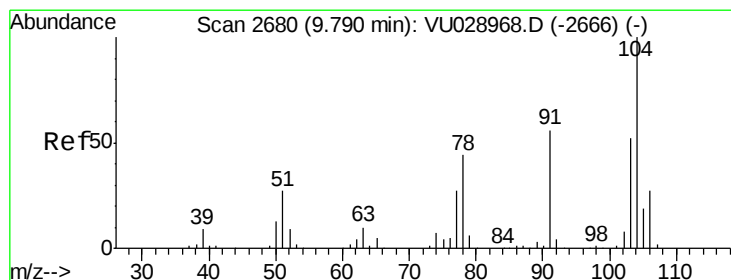
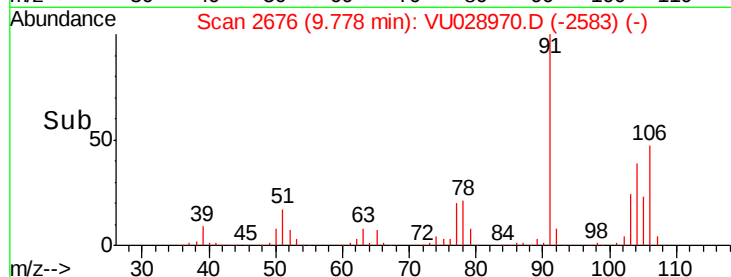
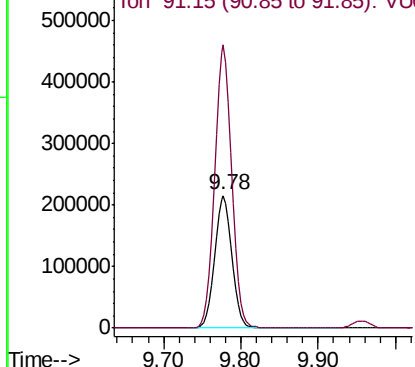
#54
o-xylene
Concen: 19.550 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

Tgt Ion:106 Resp: 342819
Ion Ratio Lower Upper
106 100
91 213.6 146.5 272.1

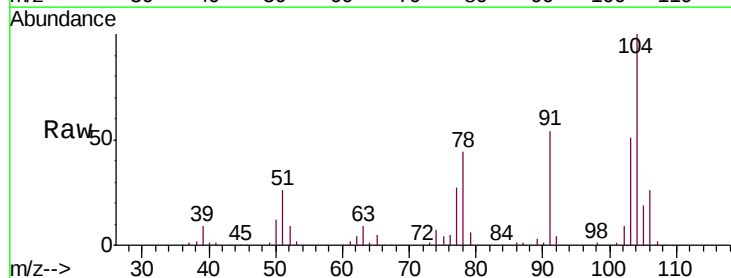


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

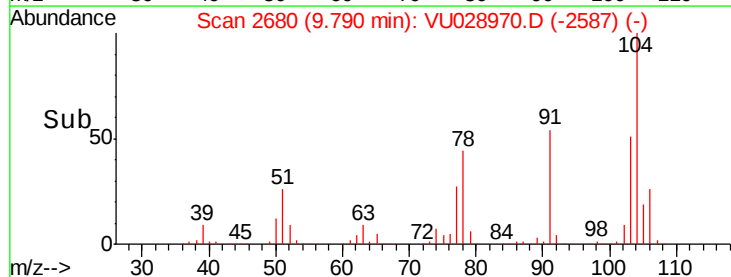
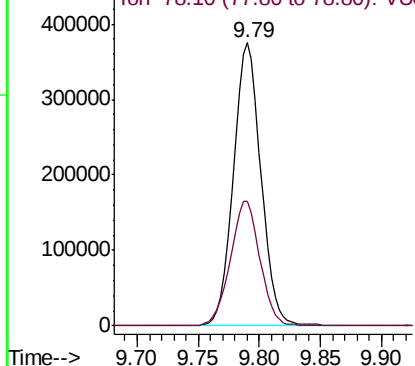


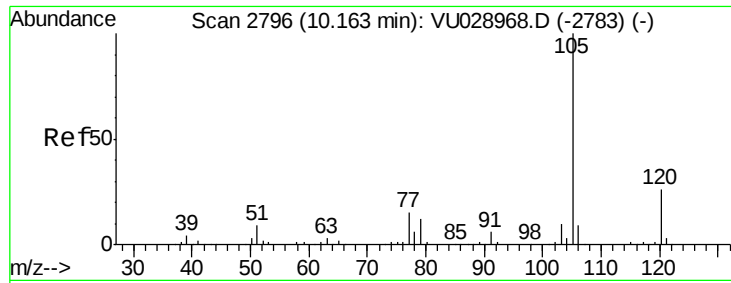
#55
Styrene
Concen: 20.171 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028970.D
Acq: 27 Dec 2018 17:15

Tgt Ion:104 Resp: 588702
Ion Ratio Lower Upper
104 100
78 43.8 30.9 57.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 19.443 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

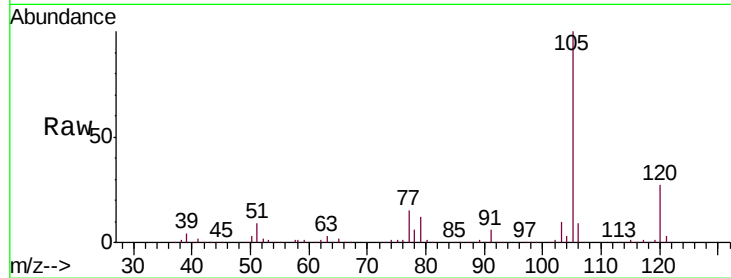
Tgt Ion: 105 Resp: 899163

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

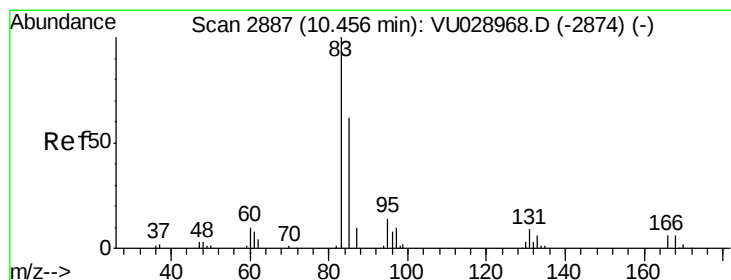
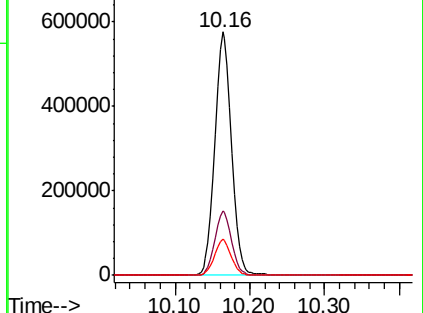
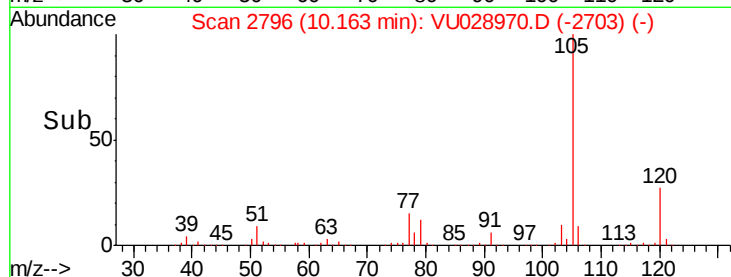
77 14.8 12.0 18.0



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: 19.467 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

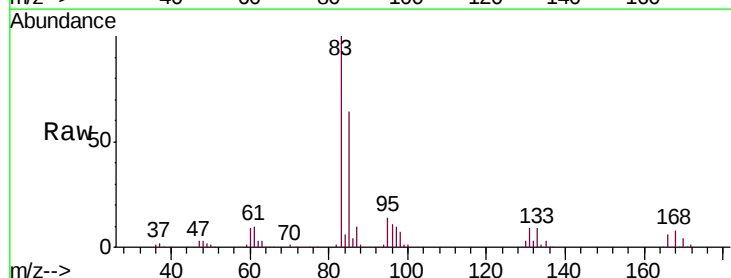
Tgt Ion: 83 Resp: 172710

Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.8

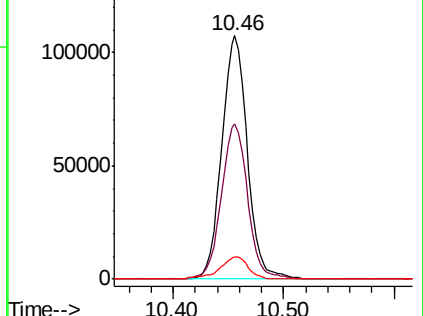
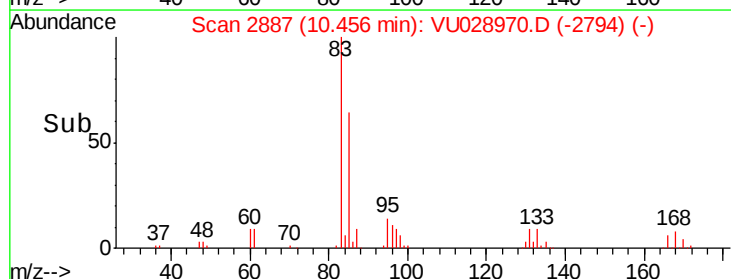
131 9.0 7.8 11.8

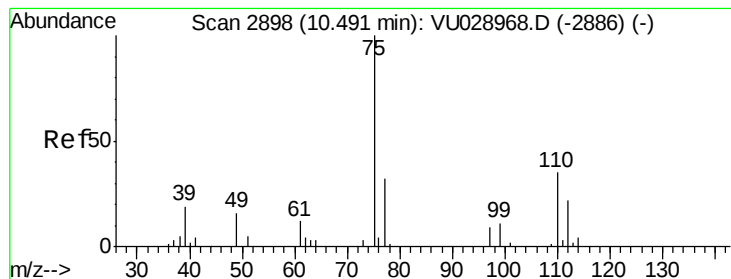


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.329 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

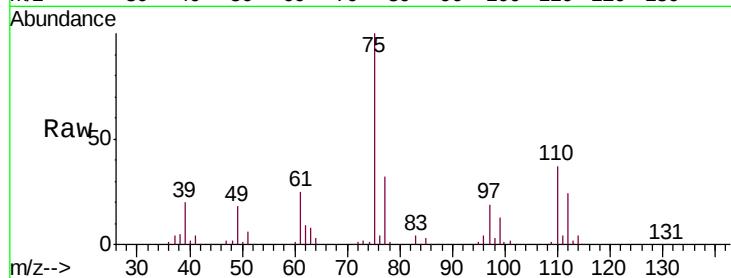
VSTD02045

Tgt Ion: 75 Resp: 119997

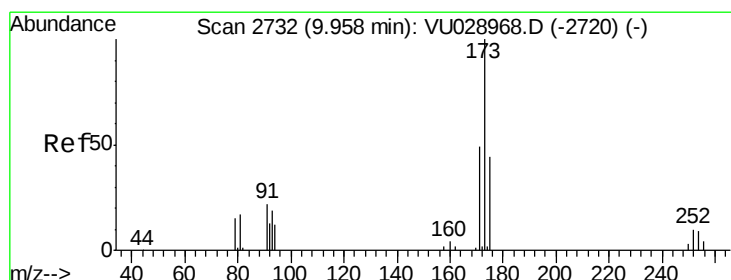
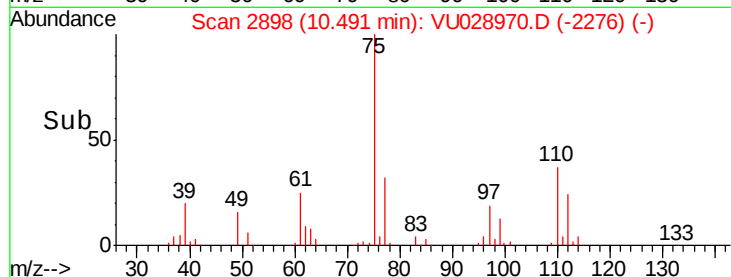
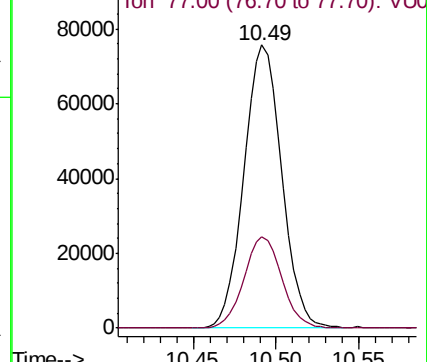
Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU028968.D (-2886) (-)



#61

Bromoform

Concen: 19.551 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

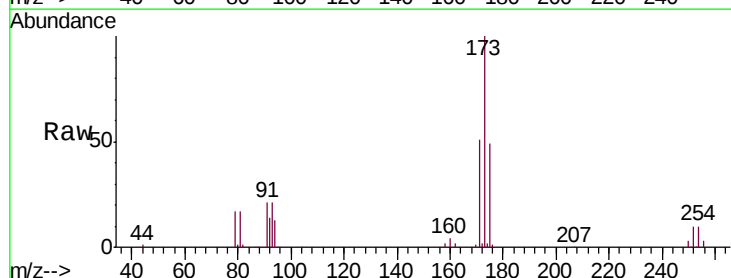
Tgt Ion: 173 Resp: 88625

Ion Ratio Lower Upper

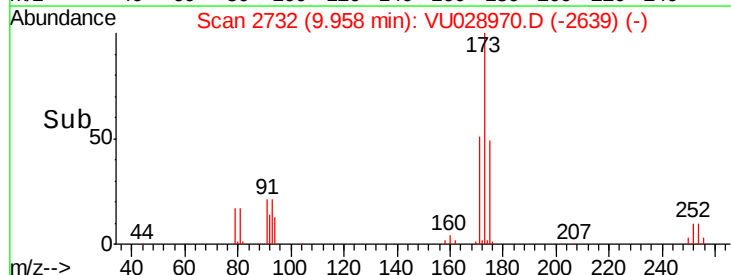
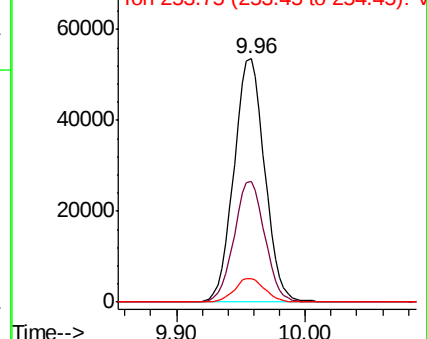
173 100

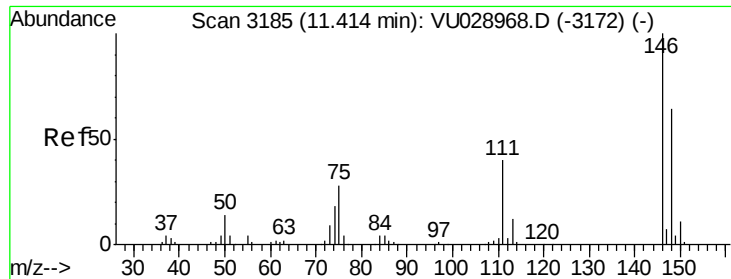
175 49.6 35.4 53.2

254 9.6 7.5 11.3



Abundance Ion 172.90 (172.60 to 173.60): VU028968.D (-2720) (-)





#62

1,3-Dichlorobenzene

Concen: 19.152 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

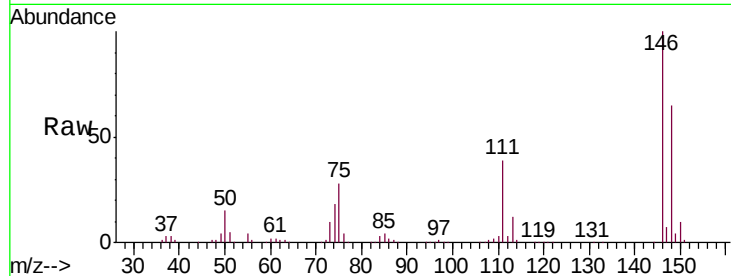
Tgt Ion:146 Resp: 430081

Ion Ratio Lower Upper

146 100

111 39.2 27.7 51.5

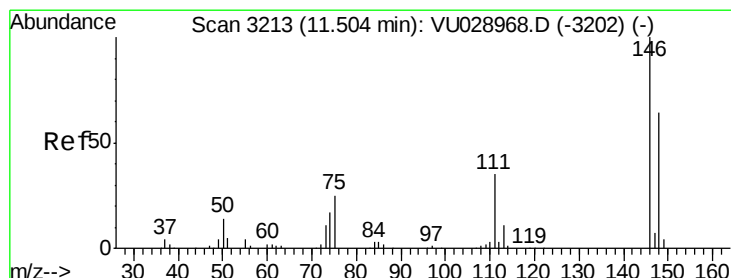
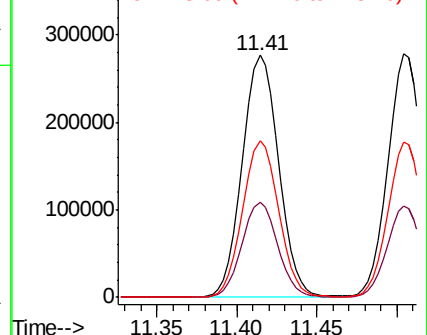
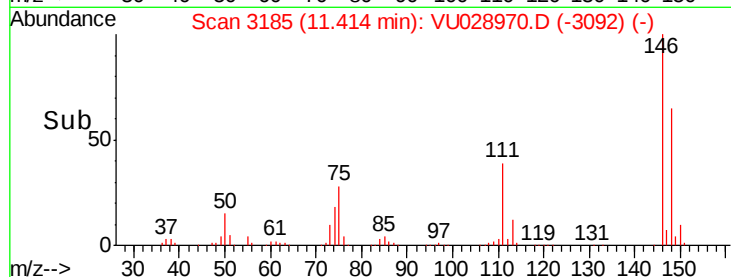
148 64.6 44.9 83.5



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: 18.763 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

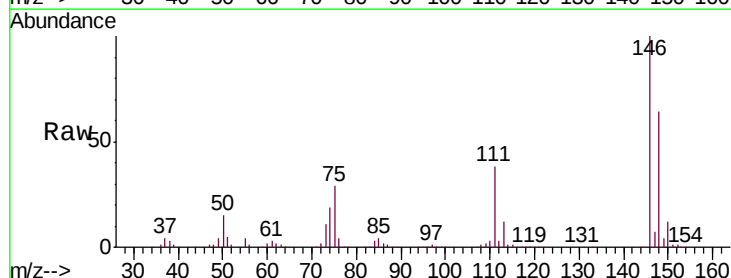
Tgt Ion:146 Resp: 429979

Ion Ratio Lower Upper

146 100

111 37.7 24.9 46.3

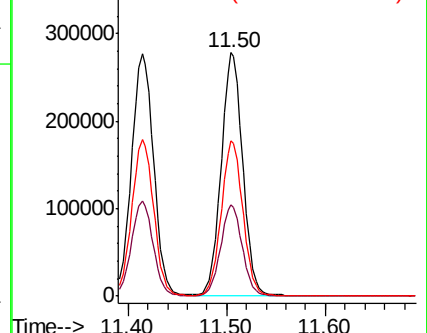
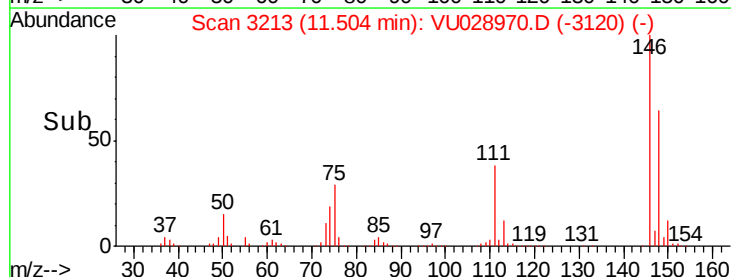
148 63.7 44.9 83.3

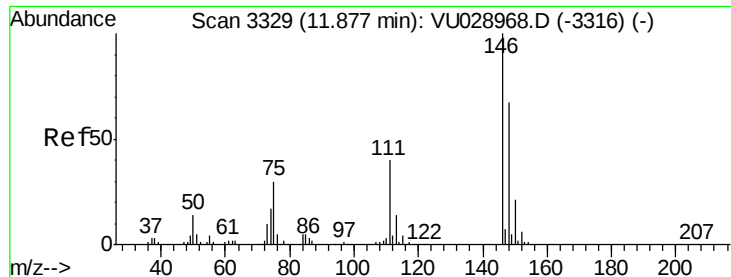


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

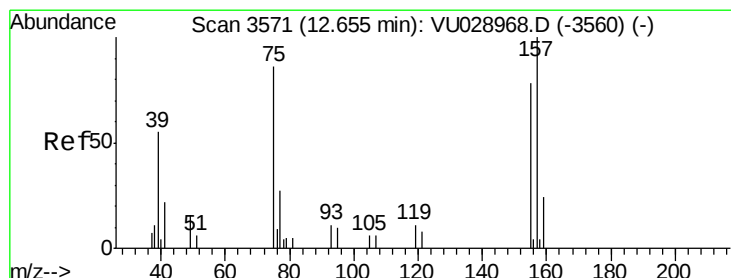
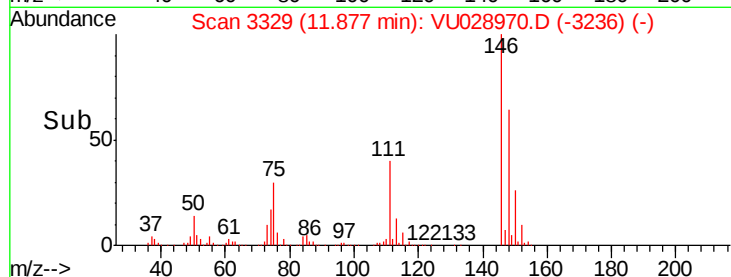
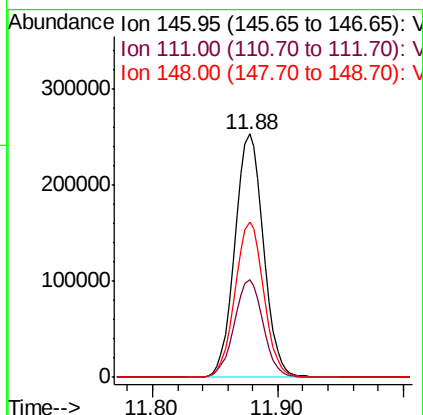
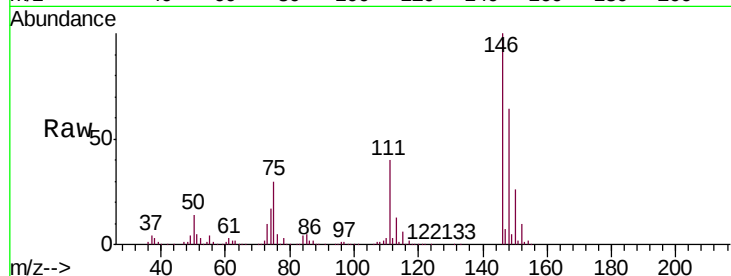




#65
 1,2-Dichlorobenzene
 Concen: 18.883 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

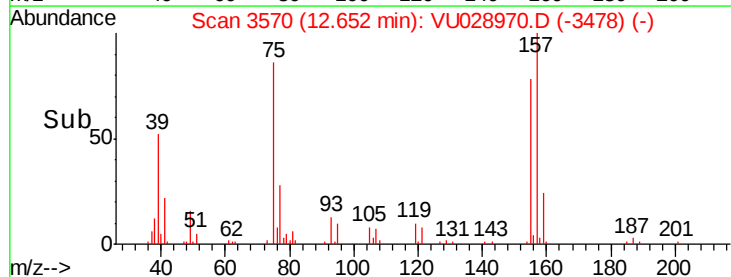
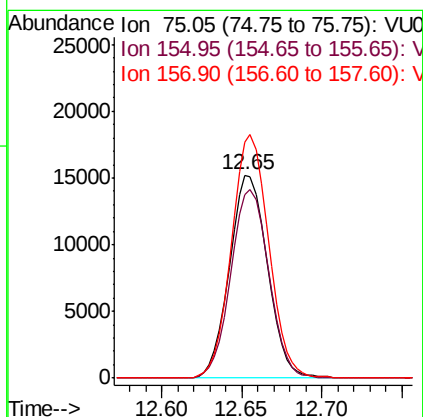
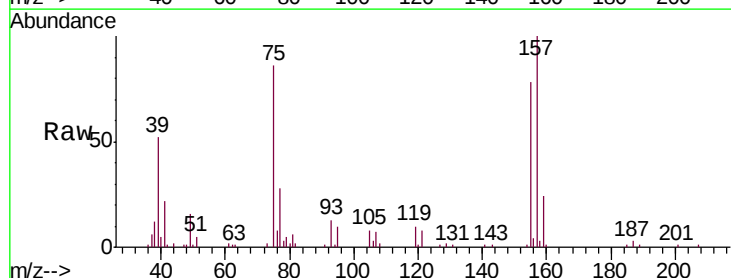
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

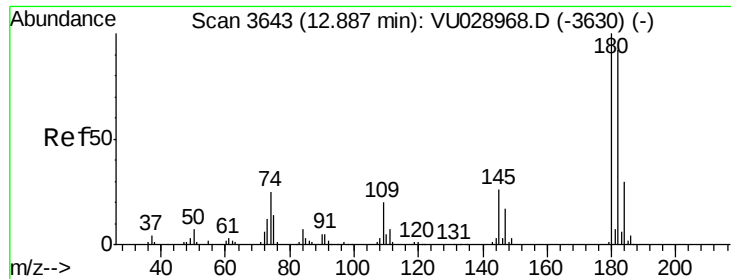
Tgt Ion: 146 Resp: 401297
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.2 48.4
 148 63.9 53.2 79.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.583 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Tgt Ion: 75 Resp: 24571
 Ion Ratio Lower Upper
 75 100
 155 90.4 72.2 108.2
 157 116.0 93.0 139.6

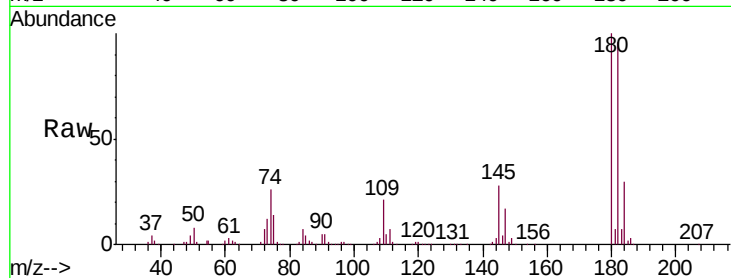




#67
 1,3,5-Trichlorobenzene
 Concen: 19.885 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. -0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	114.8
184	30.6	24.4	36.6
145	27.9	21.7	32.5



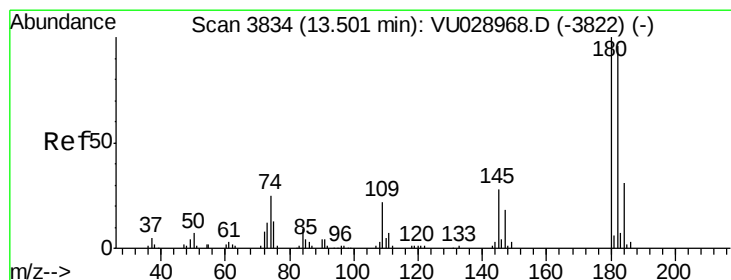
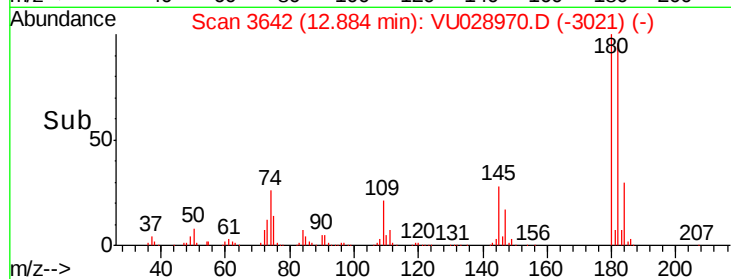
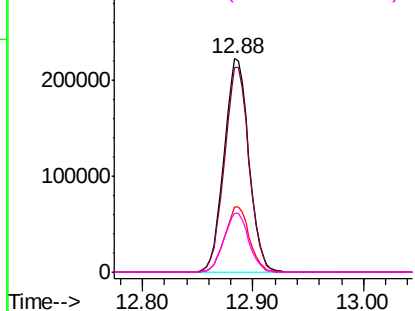
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

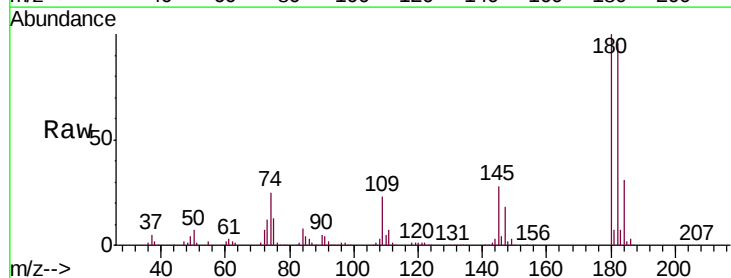
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.893 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028970.D
 Acq: 27 Dec 2018 17:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	28.1	22.6	33.8

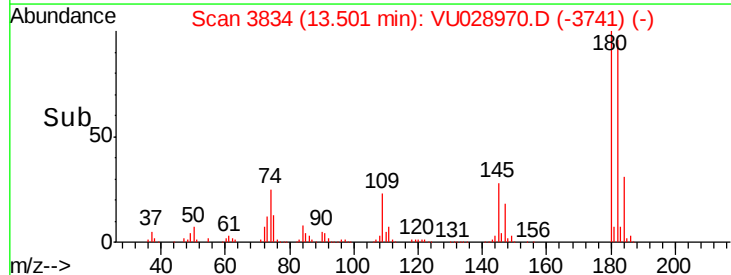
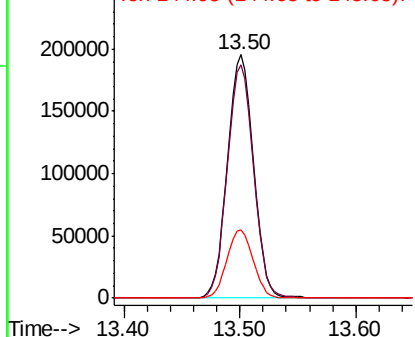


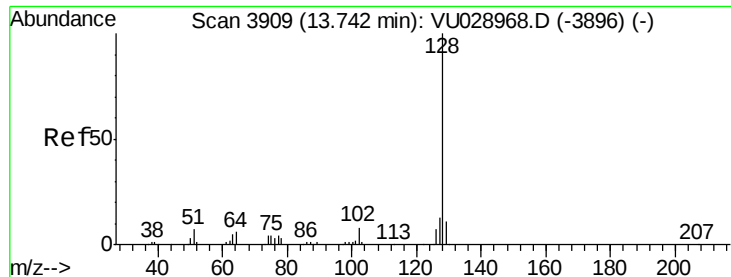
Abundance

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: 21.510 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

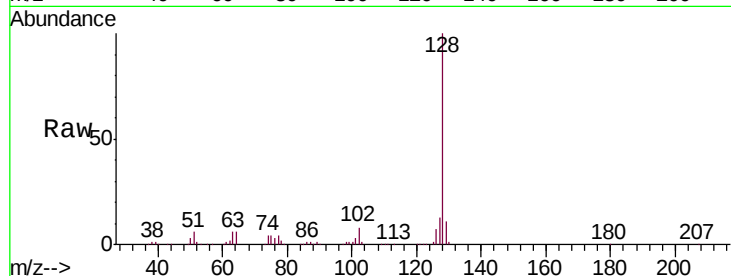
Tgt Ion:128 Resp: 532822

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

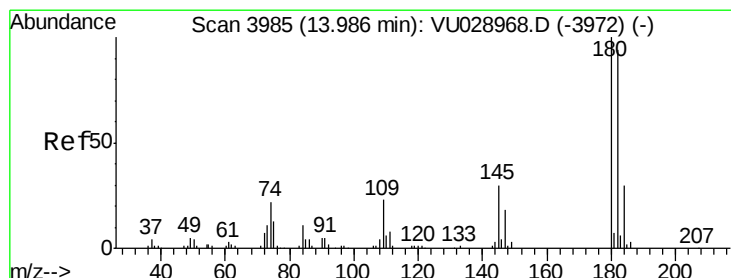
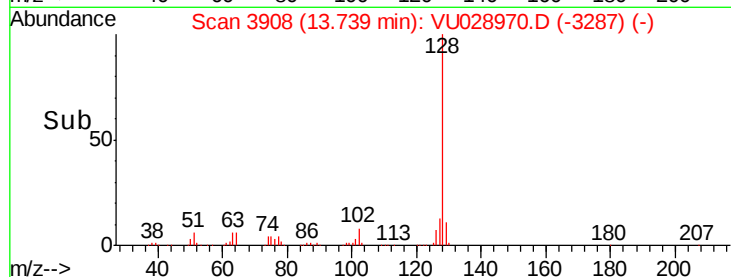
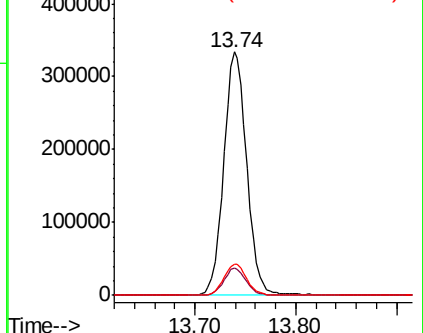
127 12.8 9.8 14.6



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: 19.760 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028970.D

Acq: 27 Dec 2018 17:15

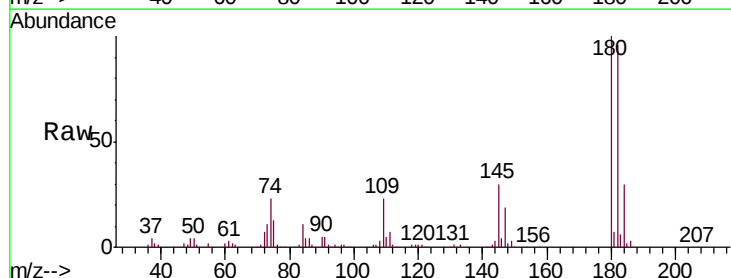
Tgt Ion:180 Resp: 272940

Ion Ratio Lower Upper

180 100

182 96.2 77.1 115.7

145 30.2 24.6 36.8



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

