

Data File : VU027869.D
Acq On : 30 Oct 2018 12:16
Operator : MD/SY
Sample : VSTD02047
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

Quant Time: Oct 31 01:47:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 01:42:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	85598	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	83970	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	149989	22.43	ug/L	0.00
7) Chloroethane-d5	1.68	69	112666	21.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	277089	21.82	ug/L	0.00
20) 2-Butanone-d5	4.20	46	437759	218.69	ug/L	0.00
24) Chloroform-d	4.65	84	266708	22.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	150452	21.74	ug/L	0.00
32) Benzene-d6	5.34	84	501851	21.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	174780	21.47	ug/L	0.00
41) Toluene-d8	7.57	98	472014	21.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	74043	23.49	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	376925	218.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129831	22.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	173676	20.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	183081	21.726 ug/L	99
3) Chloromethane	1.33	50	183700	21.981 ug/L	100
5) Vinyl chloride	1.40	62	183464	22.050 ug/L	97
6) Bromomethane	1.63	94	70003	25.607 ug/L	97
8) Chloroethane	1.70	64	100118	20.532 ug/L	100
9) Trichlorofluoromethane	1.89	101	238669	21.606 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	123988	21.998 ug/L	98
12) 1,1-Dichloroethene	2.29	96	116882	21.985 ug/L	95
13) Acetone	2.33	43	254897	202.683 ug/L	96
14) Carbon disulfide	2.48	76	408637	21.517 ug/L	99
15) Methyl Acetate	2.62	43	67971	20.191 ug/L	98
16) Methylene chloride	2.70	84	125584	21.024 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	340047	21.454 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	124342	22.001 ug/L	99
19) 1,1-Dichloroethane	3.45	63	263945	22.124 ug/L	98
21) 2-Butanone	4.28	43	463952	212.185 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	144356	22.100 ug/L	99
23) Bromochloromethane	4.55	128	59401	21.945 ug/L	99
25) Chloroform	4.68	83	266268	22.015 ug/L	98
27) 1,2-Dichloroethane	5.41	62	186369	22.080 ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	238564	22.016 ug/L	99
30) Cyclohexane	4.99	56	277875	21.826 ug/L	99
31) Carbon tetrachloride	5.13	117	207052	22.266 ug/L	100
33) Benzene	5.39	78	572545	21.531 ug/L	100
34) Trichloroethene	6.19	95	152749	22.070 ug/L	98
35) Methylcyclohexane	6.41	83	256732	21.804 ug/L	98
37) 1,2-Dichloropropane	6.43	63	163609	21.598 ug/L	100
38) Bromodichloromethane	6.76	83	195976	22.128 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	243908	22.462 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	1158769	216.519 ug/L	100

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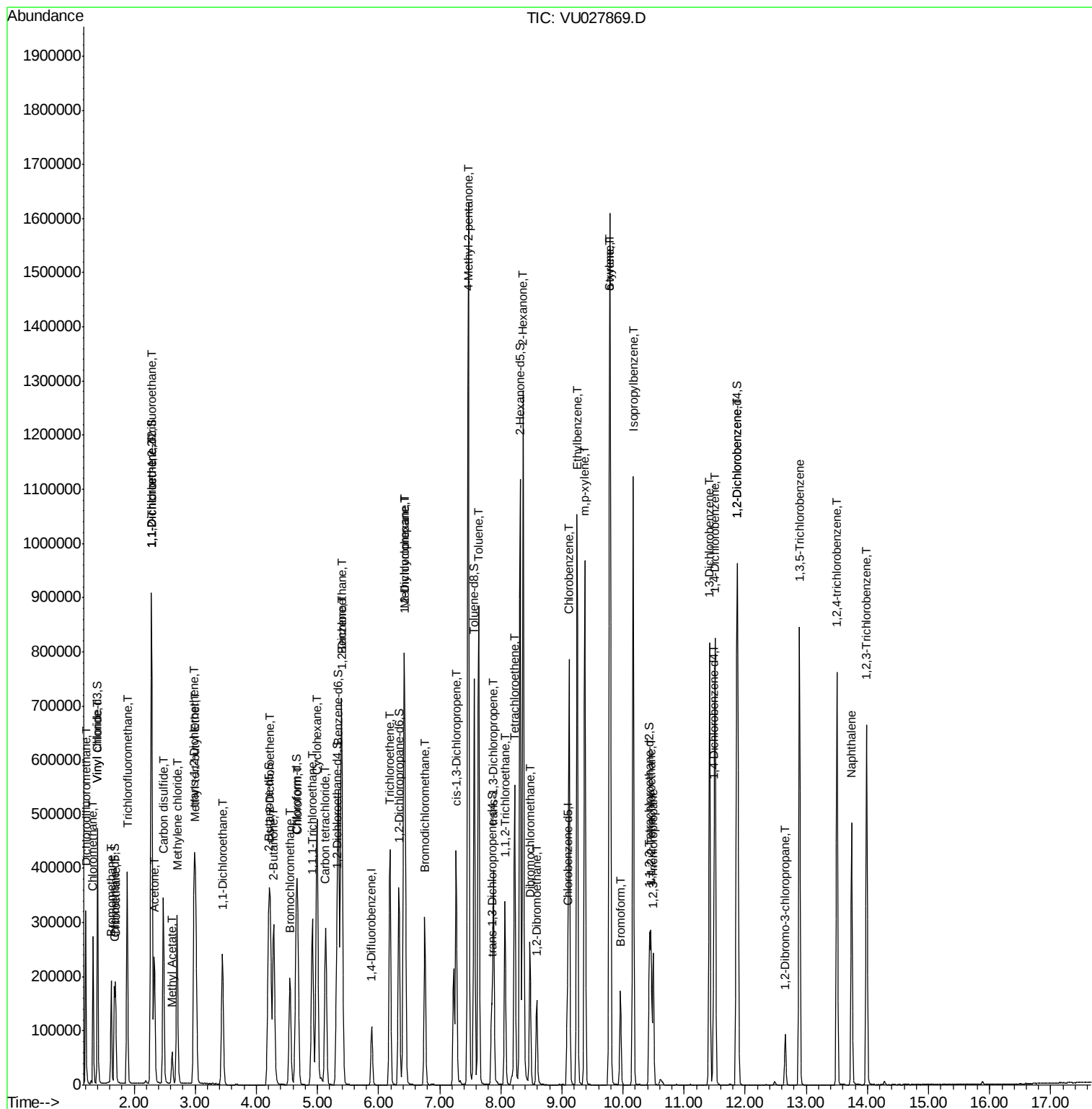
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	611802	21.992	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	207702	22.298	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	100469	21.562	ug/L	99
47) Tetrachloroethene	8.23	164	115983	21.812	ug/L	99
48) 2-Hexanone	8.37	43	839264	217.526	ug/L	98
49) Dibromochloromethane	8.48	129	128286	22.796	ug/L	98
50) 1,2-Dibromoethane	8.59	107	99583	22.336	ug/L	98
51) Chlorobenzene	9.12	112	374893	21.722	ug/L	98
52) Ethylbenzene	9.25	91	710970	22.412	ug/L	98
53) m,p-xylene	9.38	106	255100	22.179	ug/L	98
54) o-xylene	9.78	106	250304	22.156	ug/L	98
55) Styrene	9.79	104	429766	22.694	ug/L	99
56) Isopropylbenzene	10.17	105	686899	22.318	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	134863	22.194	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	99287	21.624	ug/L	98
61) Bromoform	9.96	173	75265	23.554	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	305406	21.862	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	308833	22.116	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	284003	21.530	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	23197	22.439	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	249402	22.184	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	223501	23.376	ug/L	99
69) Naphthalene	13.74	128	357693	24.059	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	200279	22.998	ug/L	98

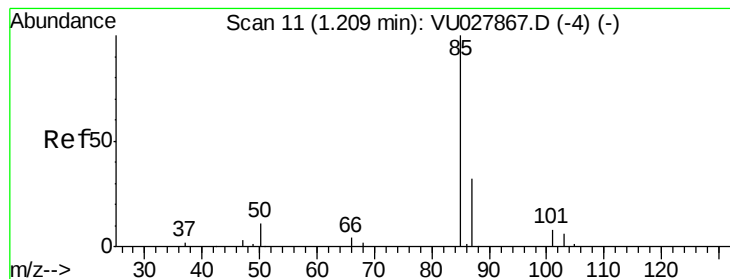
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.726 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

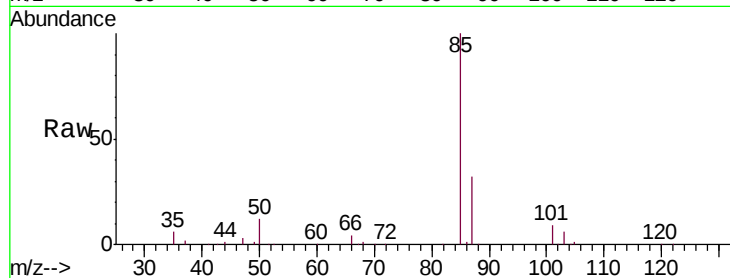
VSTD02047

Tgt Ion: 85 Resp: 183081

Ion Ratio Lower Upper

85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

200000

150000

100000

50000

0

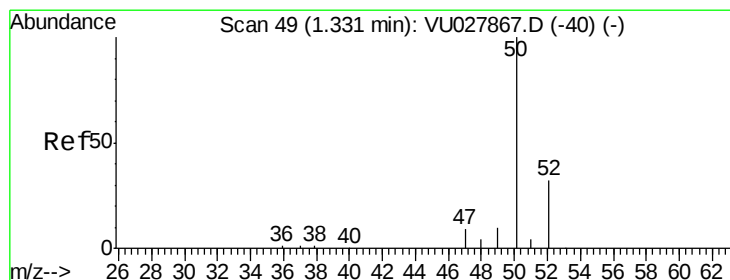
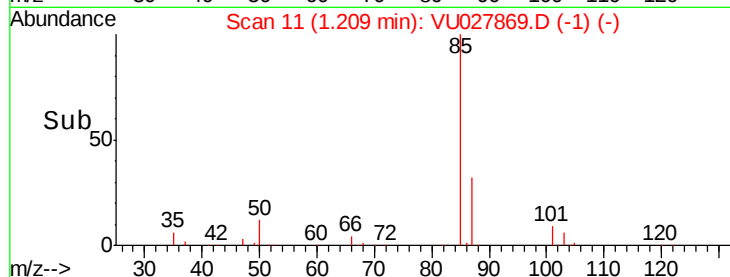
1.21

1.20

1.25

1.30

Time-->



#3

Chloromethane

Concen: 21.981 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027869.D

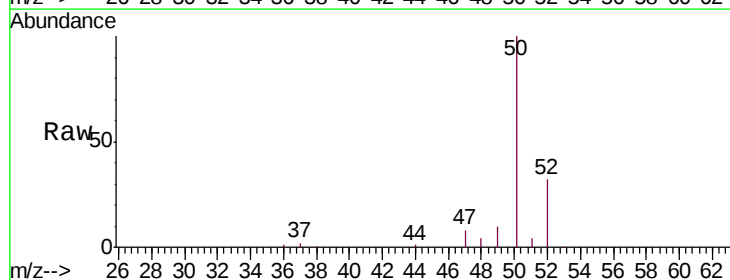
Acq: 30 Oct 2018 12:16

Tgt Ion: 50 Resp: 183700

Ion Ratio Lower Upper

50 100

52 32.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

200000

150000

100000

50000

0

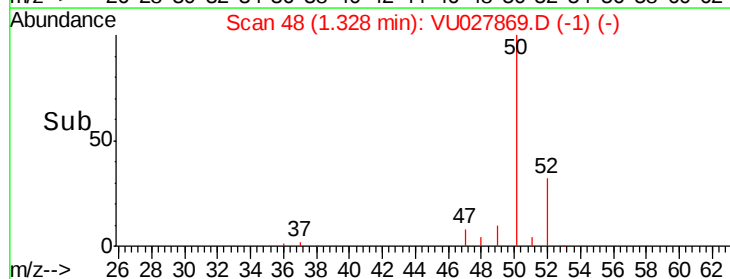
1.33

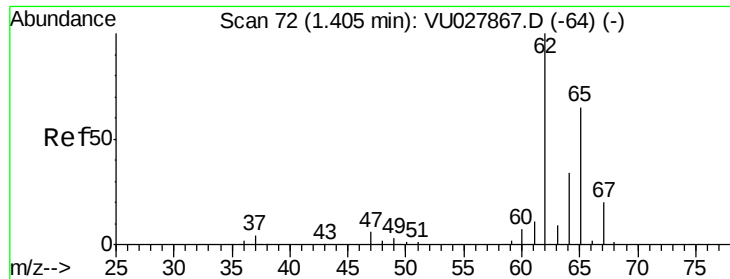
1.30

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 22.050 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

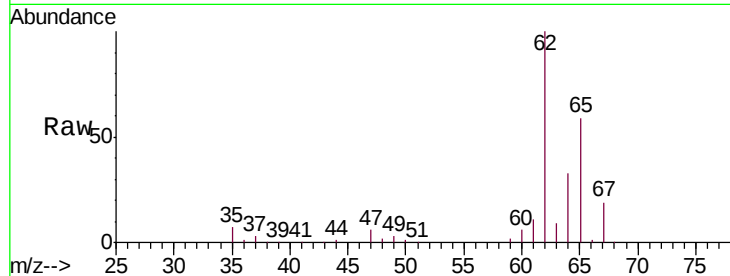
VSTD02047

Tgt Ion: 62 Resp: 183464

Ion Ratio Lower Upper

62 100

64 32.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU027867.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VU027869.D (-1) (-)

1.40

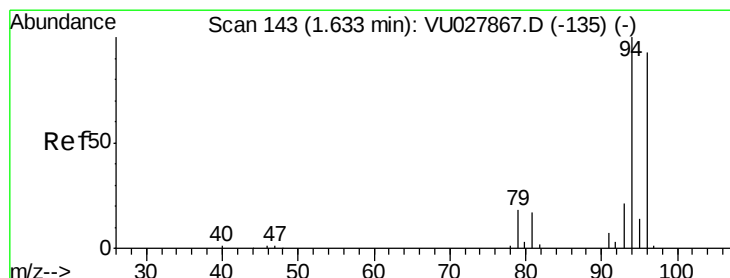
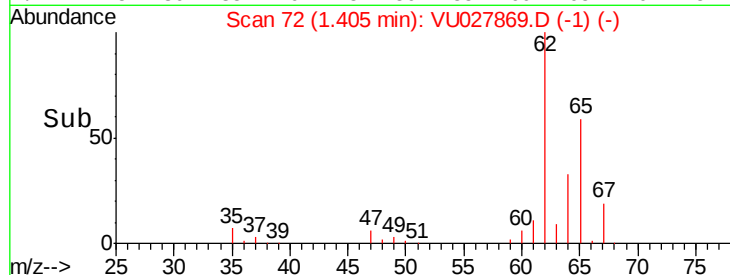
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 25.607 ug/L

RT: 1.63 min Scan# 141

Delta R.T. -0.01 min

Lab File: VU027869.D

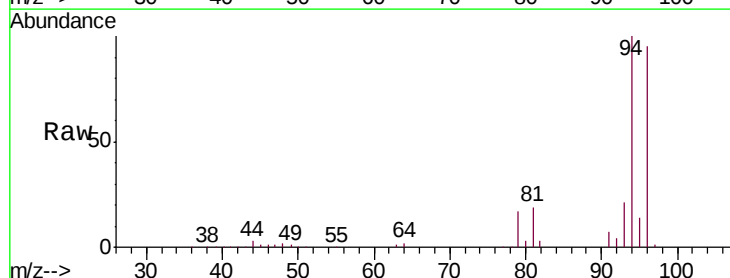
Acq: 30 Oct 2018 12:16

Tgt Ion: 94 Resp: 70003

Ion Ratio Lower Upper

94 100

96 95.4 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU027867.D (-135) (-)

Ion 96.00 (95.70 to 96.70): VU027869.D (-50) (-)

1.63

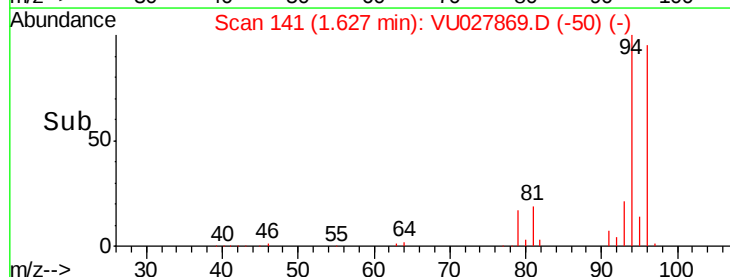
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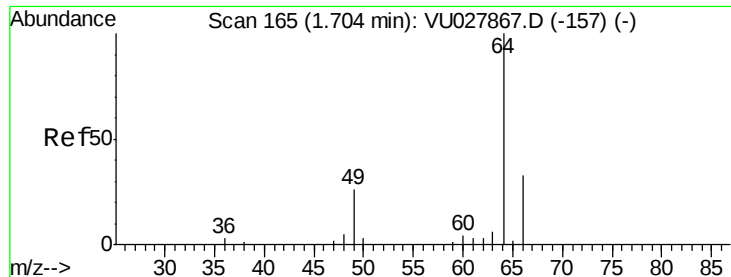
40000

20000

0

Time-->





#8

Chloroethane

Concen: 20.532 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

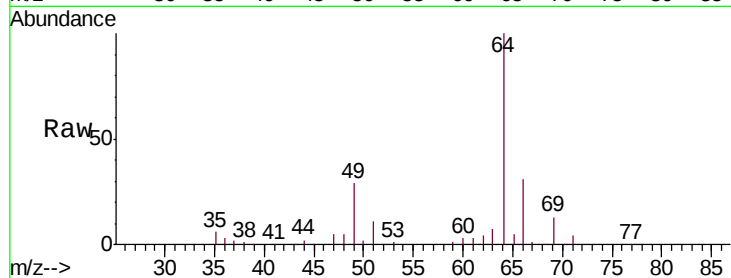
VSTD02047

Tgt Ion: 64 Resp: 100118

Ion Ratio Lower Upper

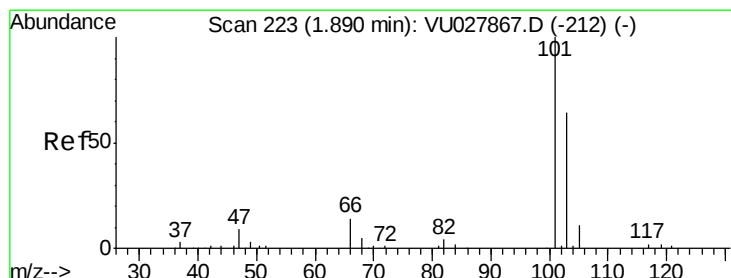
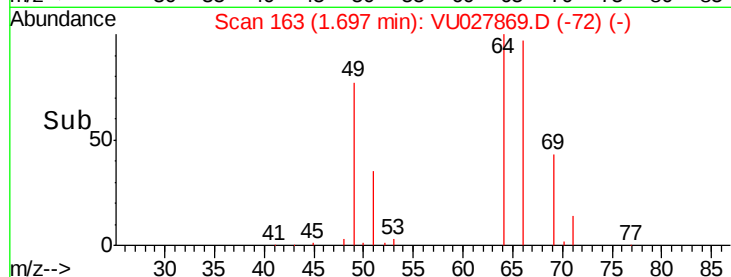
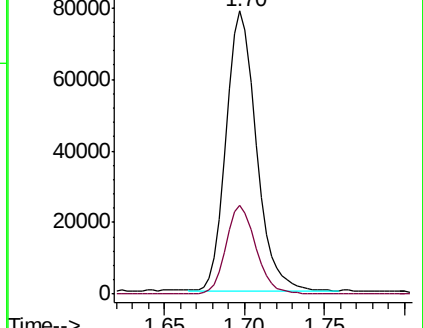
64 100

66 31.2 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU027867.D (-157) (-)

Ion 66.05 (65.75 to 66.75): VU027869.D (-72) (-)



#9

Trichlorofluoromethane

Concen: 21.606 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027869.D

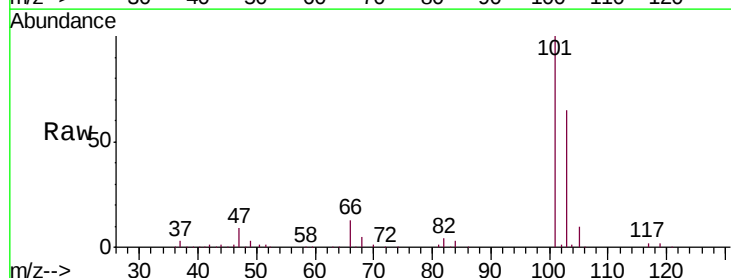
Acq: 30 Oct 2018 12:16

Tgt Ion: 101 Resp: 238669

Ion Ratio Lower Upper

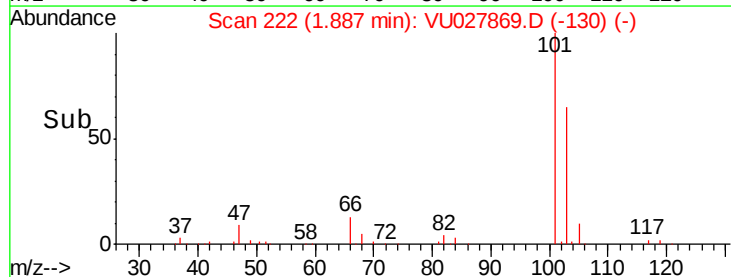
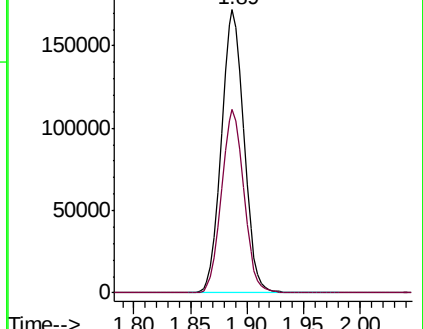
101 100

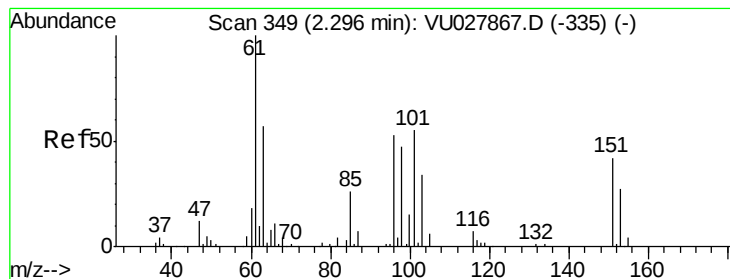
103 64.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU027867.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027869.D (-130) (-)





#10

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

Concen: 21.998 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.01 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

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ClientSampleId :

VSTD02047

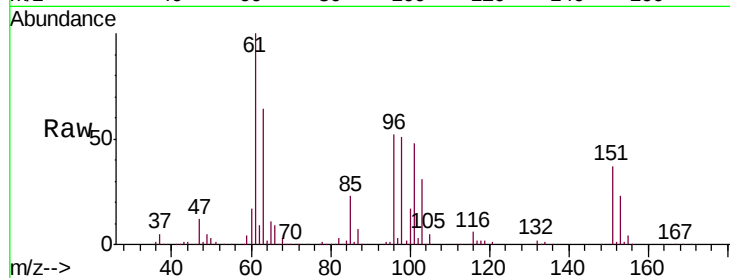
Tgt Ion: 101 Resp: 123988

Ion Ratio Lower Upper

101 100

85 47.4 37.1 55.7

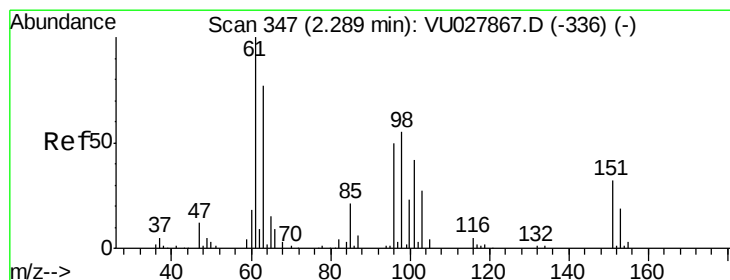
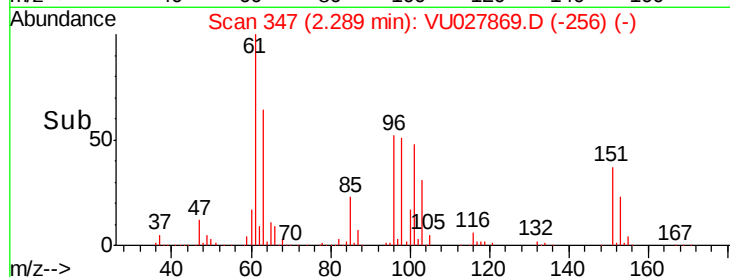
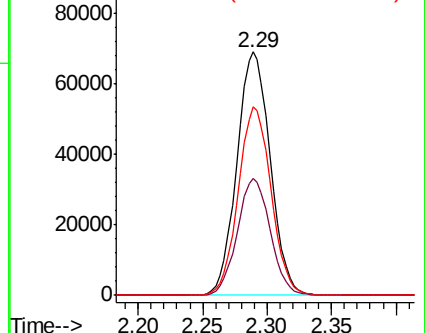
151 76.6 59.9 89.9



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: 21.985 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

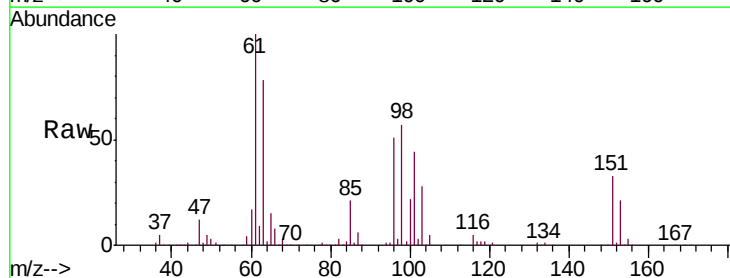
Tgt Ion: 96 Resp: 116882

Ion Ratio Lower Upper

96 100

61 196.8 141.1 262.1

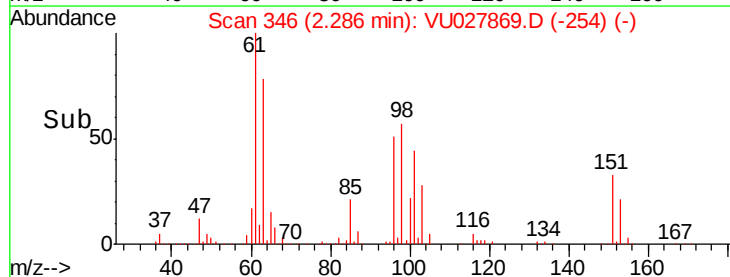
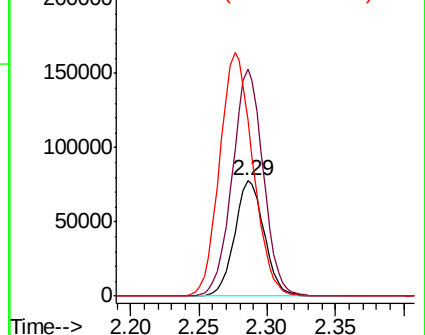
63 153.0 113.0 209.9

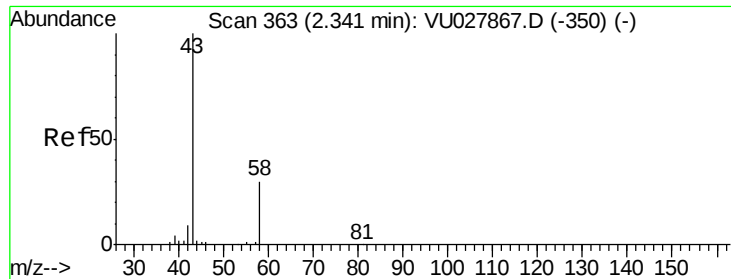


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 202.683 ug/L

RT: 2.33 min Scan# 360

Delta R.T. -0.01 min

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ClientSampleId :

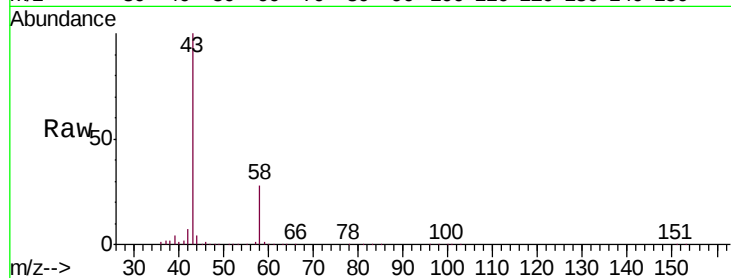
VSTD02047

Tgt Ion: 43 Resp: 254897

Ion Ratio Lower Upper

43 100

58 28.4 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-350) (-)

Ion 58.05 (57.75 to 58.75): VU027867.D (-350) (-)

2.33

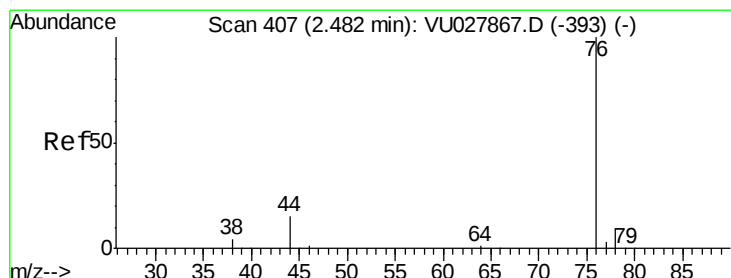
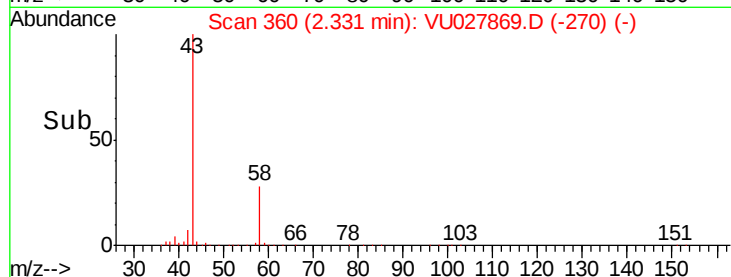
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 21.517 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027869.D

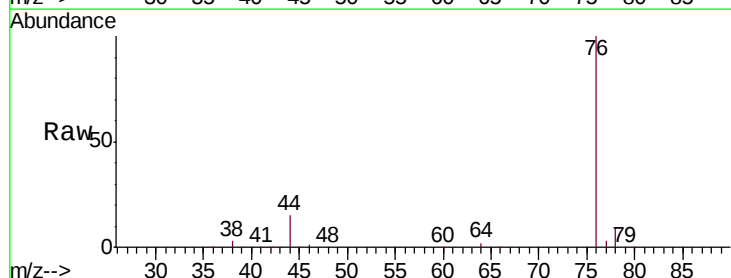
Acq: 30 Oct 2018 12:16

Tgt Ion: 76 Resp: 408637

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU027867.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU027867.D (-393) (-)

2.48

300000

250000

200000

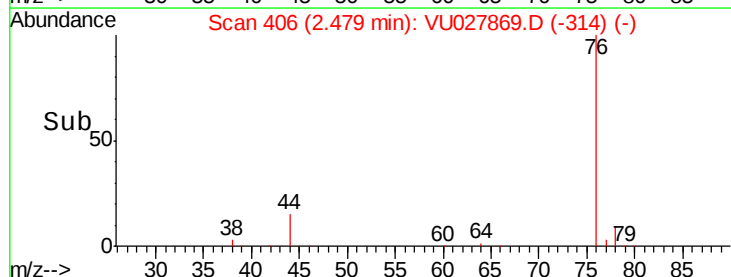
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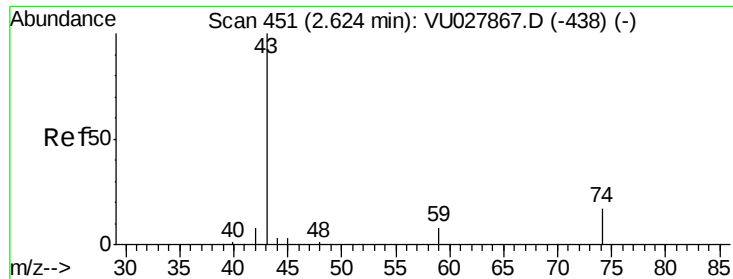
100000

50000

0

Time-->

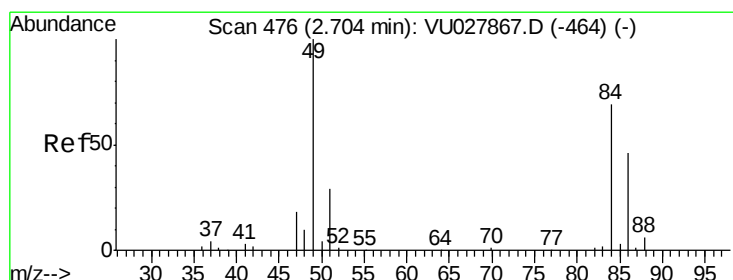
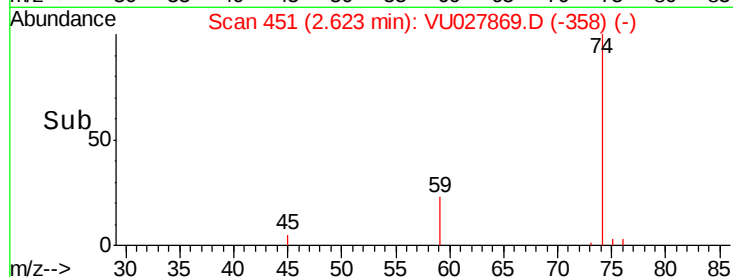
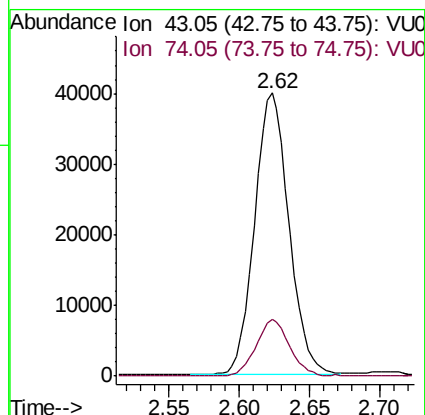
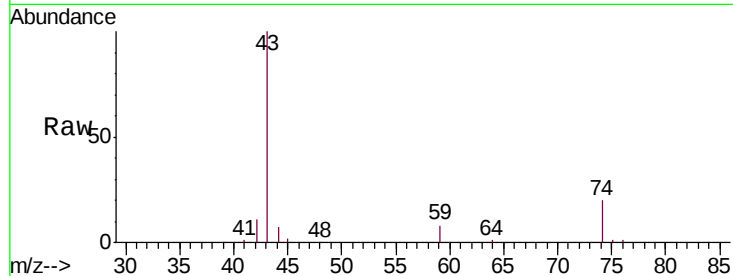




#15
Methyl Acetate
Concen: 20.191 ug/L
RT: 2.62 min Scan# 451
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

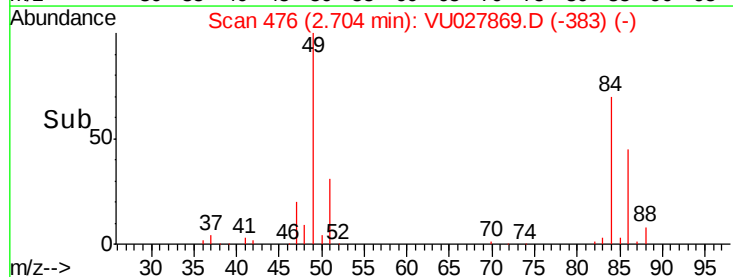
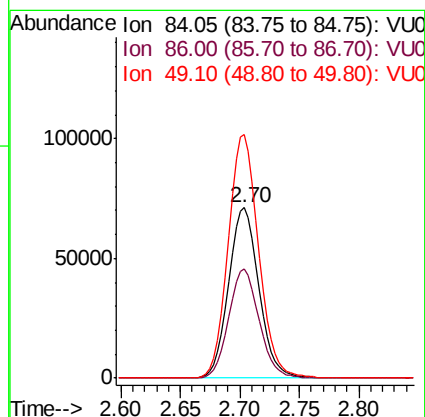
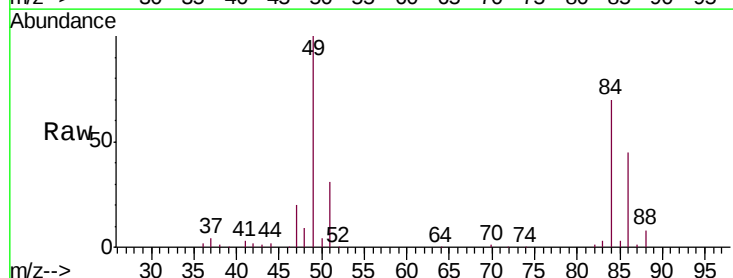
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

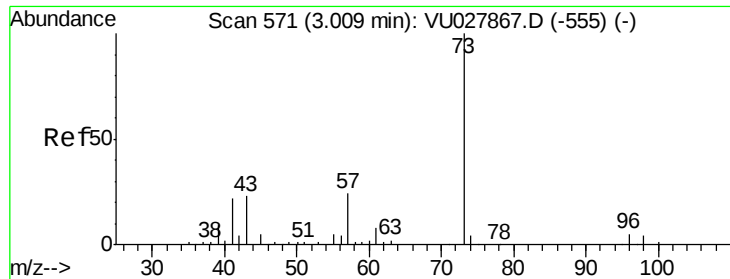
Tgt Ion: 43 Resp: 67971
Ion Ratio Lower Upper
43 100
74 19.5 14.9 22.3



#16
Methylene chloride
Concen: 21.024 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion: 84 Resp: 125584
Ion Ratio Lower Upper
84 100
86 64.1 46.7 86.7
49 143.1 101.3 188.1

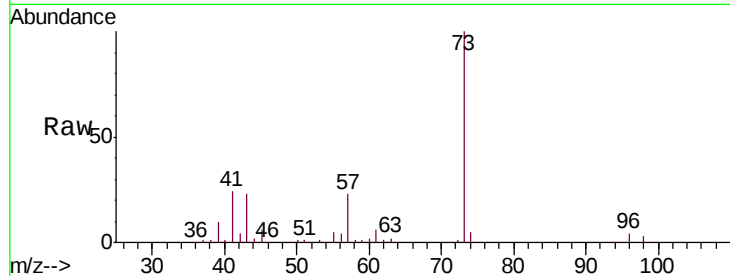




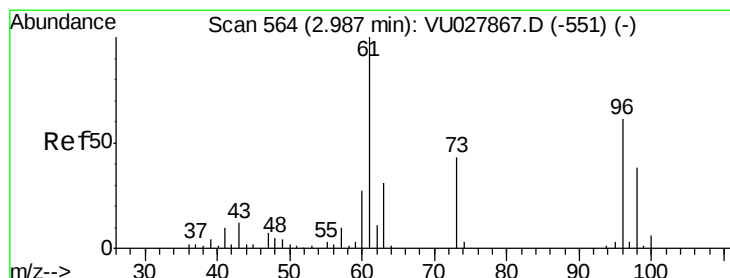
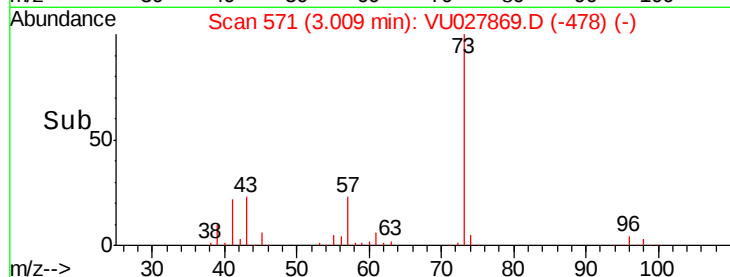
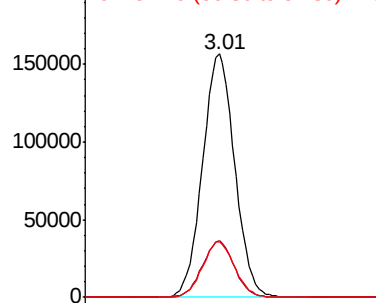
#17
Methyl tert-butyl Ether
Concen: 21.454 ug/L
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

Tgt Ion: 73 Resp: 340047
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 23.0 18.7 28.1

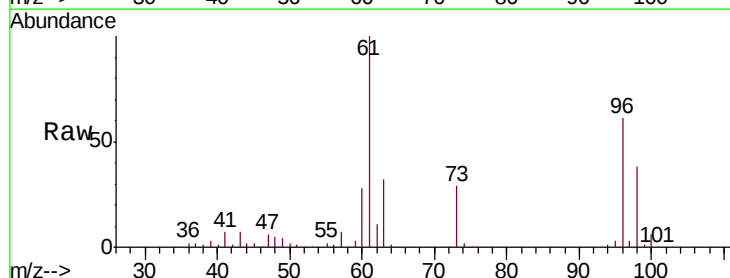


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

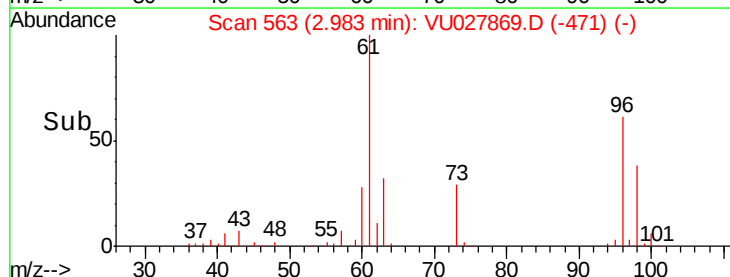
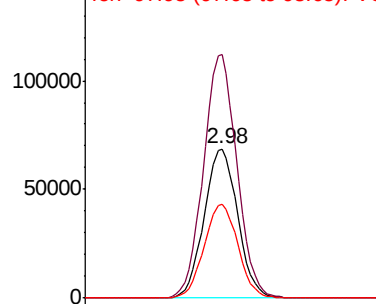


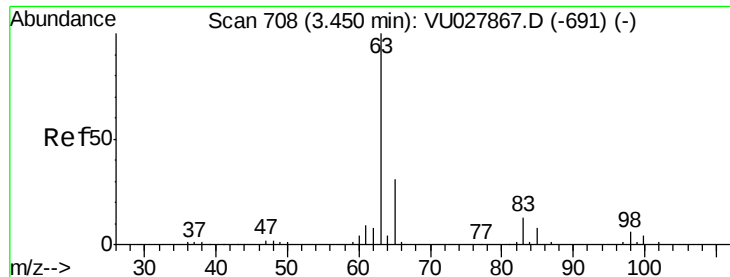
#18
trans-1,2-Dichloroethene
Concen: 22.001 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion: 96 Resp: 124342
Ion Ratio Lower Upper
96 100
61 163.4 115.2 214.0
98 62.8 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

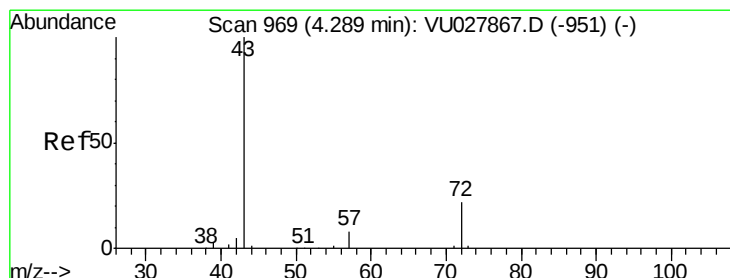
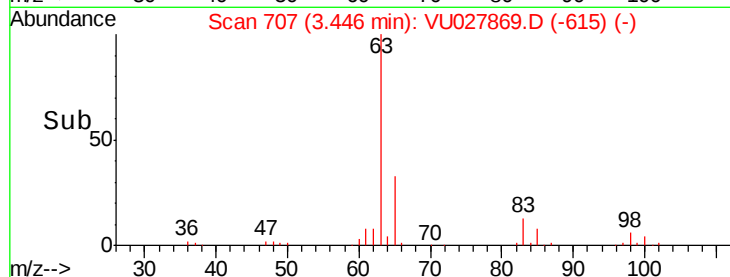
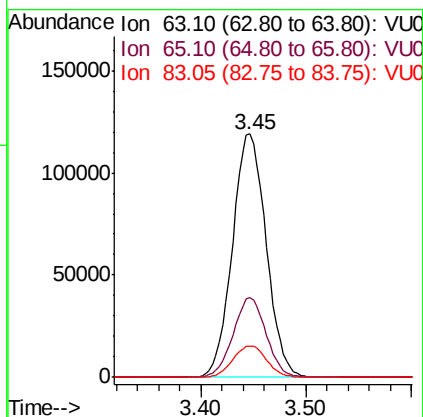
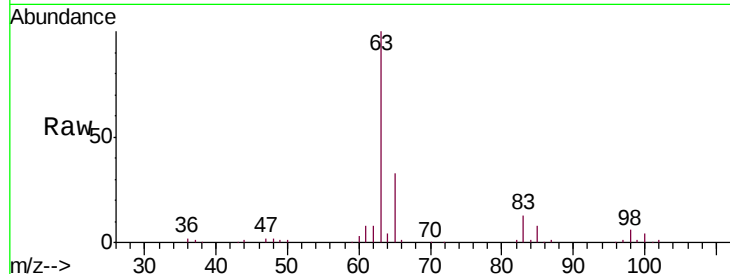




#19
 1,1-Dichloroethane
 Concen: 22.124 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

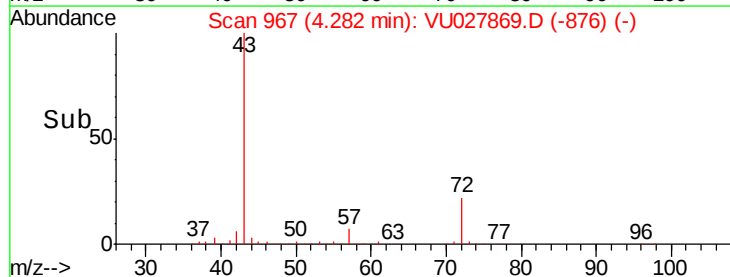
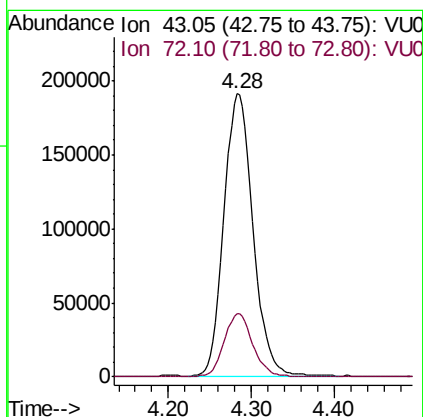
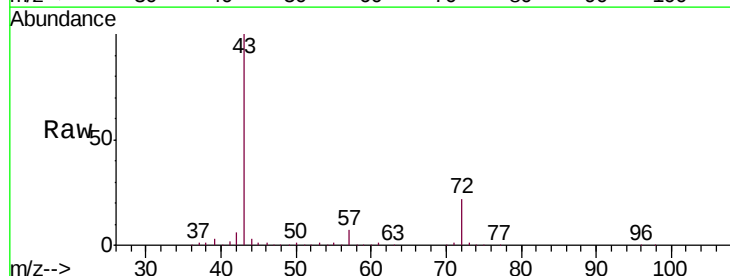
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

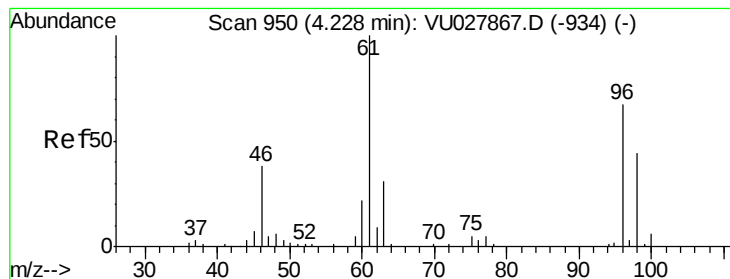
Tgt Ion: 63 Resp: 263945
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.8 40.4
 83 12.9 9.4 17.4



#21
 2-Butanone
 Concen: 212.185 ug/L
 RT: 4.28 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

Tgt Ion: 43 Resp: 463952
 Ion Ratio Lower Upper
 43 100
 72 22.3 10.9 32.9





#22

cis-1,2-Dichloroethene

Concen: 22.100 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

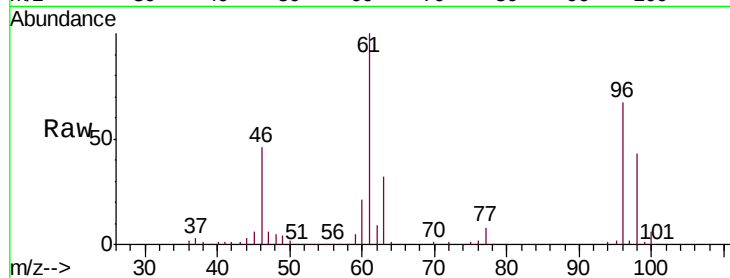
Tgt Ion: 96 Resp: 144356

Ion Ratio Lower Upper

96 100

61 150.2 104.0 193.2

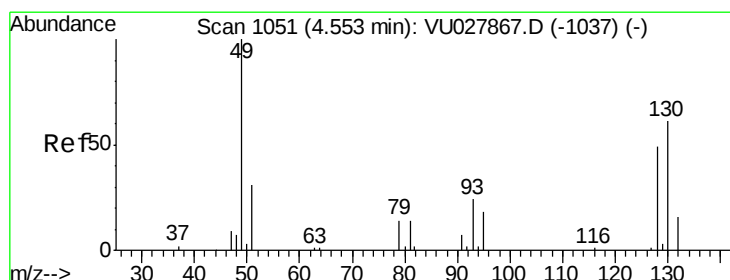
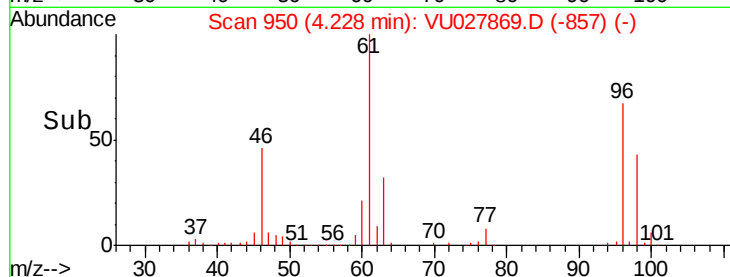
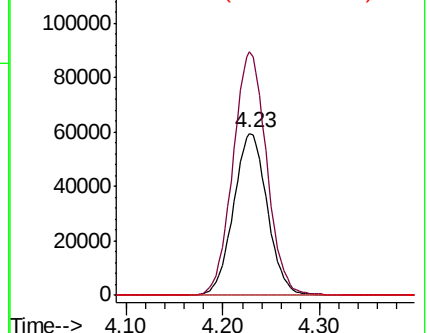
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU027869.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU027869.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU027869.D (-957) (-)



#23

Bromochloromethane

Concen: 21.945 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Tgt Ion: 128 Resp: 59401

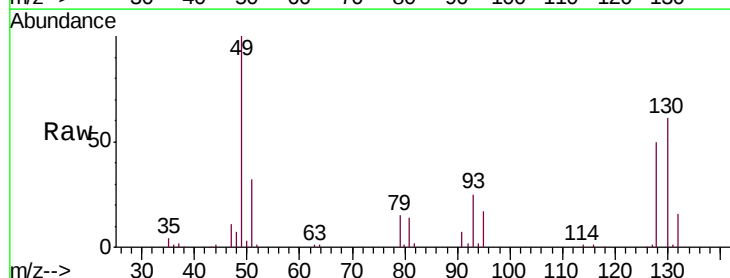
Ion Ratio Lower Upper

128 100

49 199.6 142.0 263.8

130 122.2 86.1 159.9

51 63.0 50.4 75.6

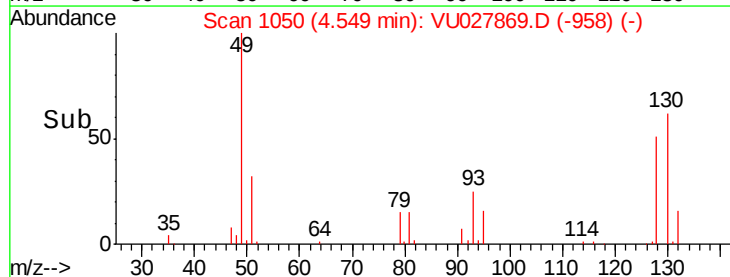
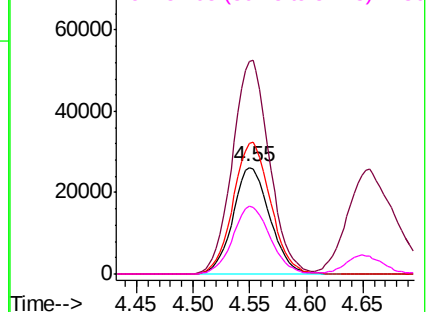


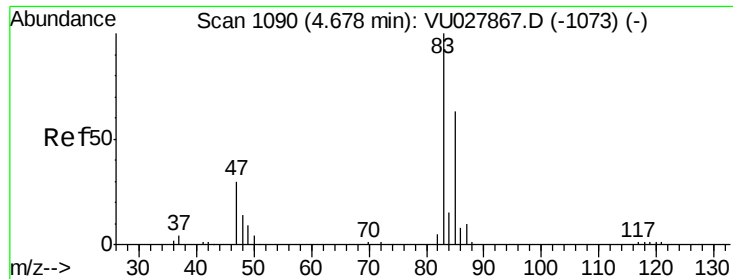
Abundance Ion 127.90 (127.60 to 128.60): VU027869.D (-958) (-)

Ion 49.10 (48.80 to 49.80): VU027869.D (-958) (-)

Ion 129.95 (129.65 to 130.65): VU027869.D (-958) (-)

Ion 51.05 (50.75 to 51.75): VU027869.D (-958) (-)

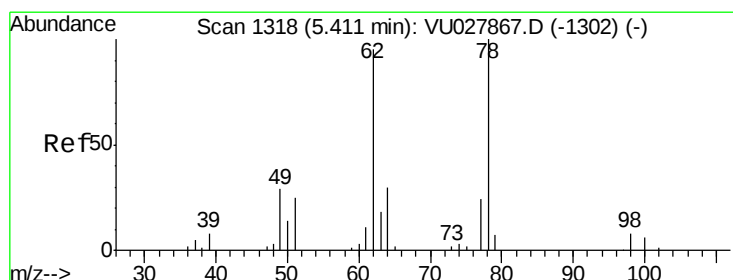
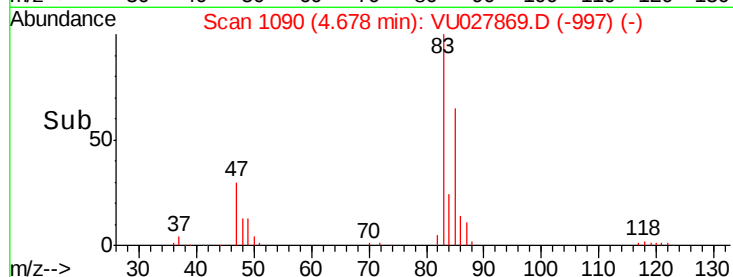
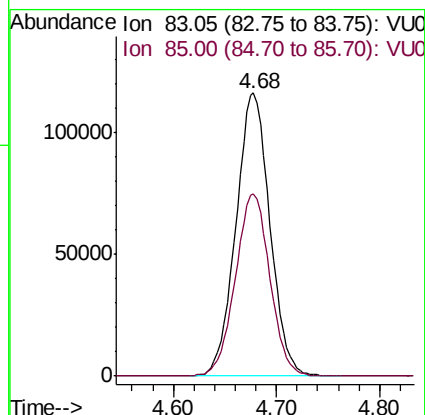
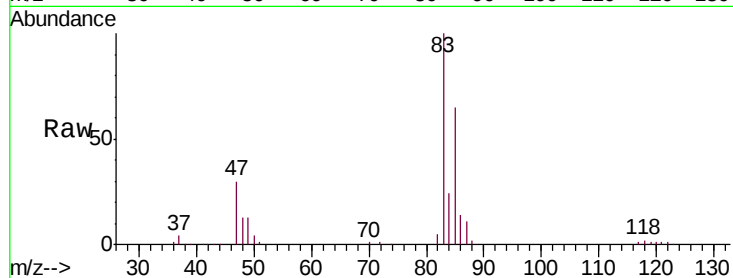




#25
Chloroform
Concen: 22.015 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

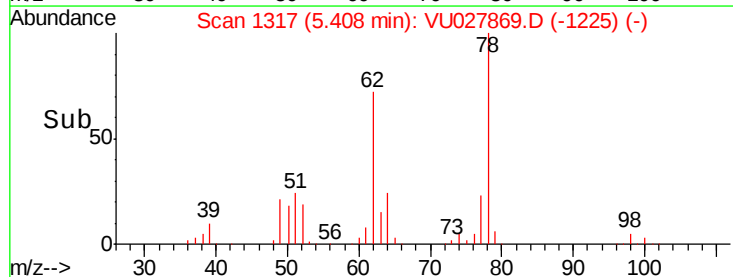
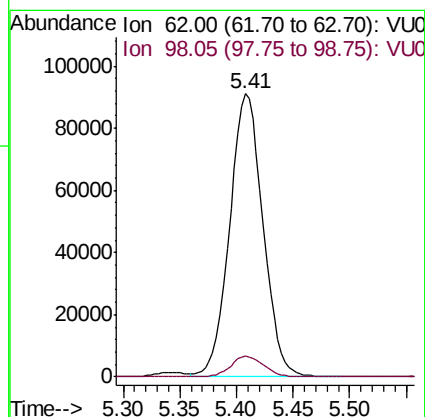
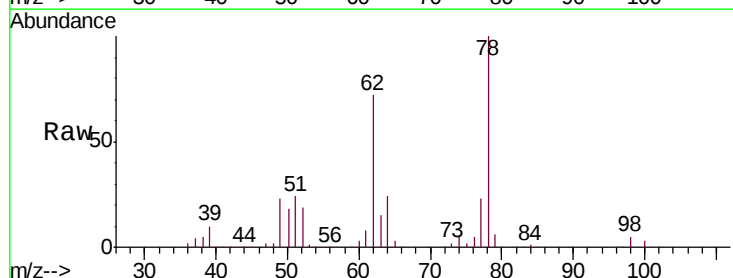
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

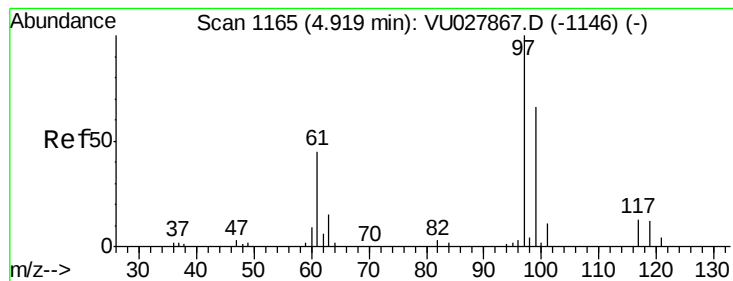
Tgt Ion: 83 Resp: 266268
Ion Ratio Lower Upper
83 100
85 64.6 44.0 81.8



#27
1,2-Dichloroethane
Concen: 22.080 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion: 62 Resp: 186369
Ion Ratio Lower Upper
62 100
98 7.3 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 22.016 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

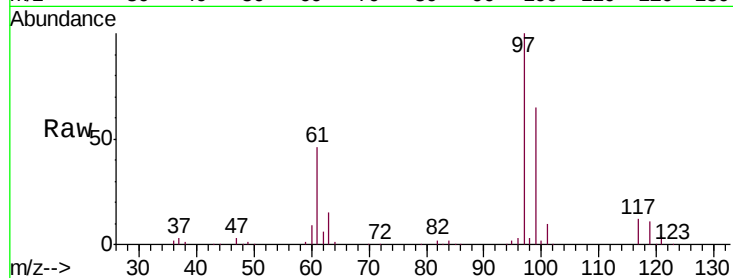
Tgt Ion: 97 Resp: 238564

Ion Ratio Lower Upper

97 100

99 64.2 50.6 76.0

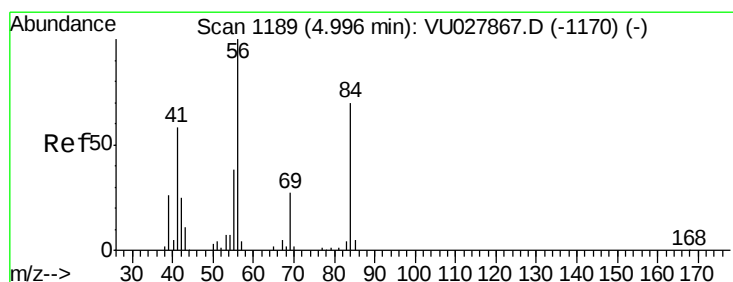
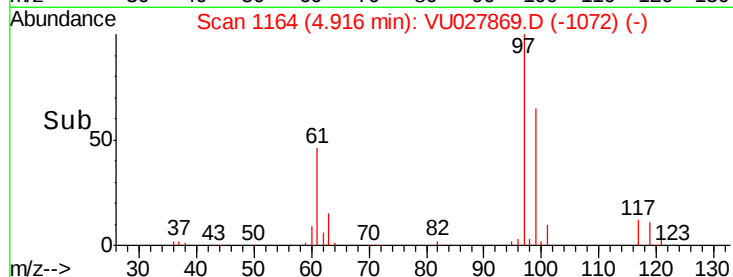
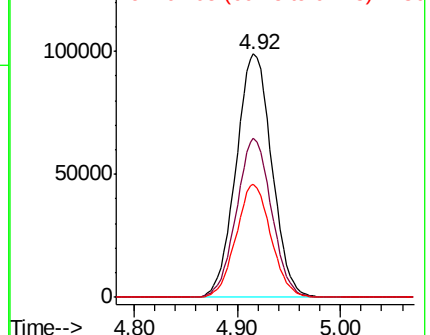
61 45.5 35.8 53.6



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: 21.826 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

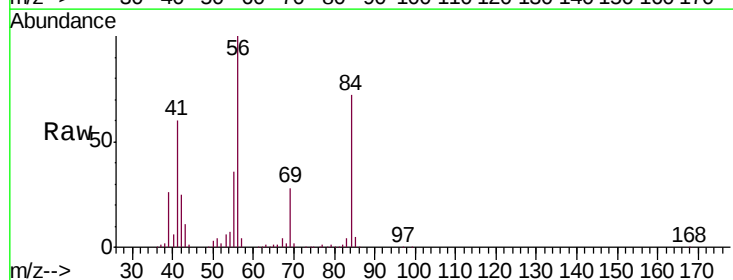
Tgt Ion: 56 Resp: 277875

Ion Ratio Lower Upper

56 100

69 28.2 22.7 34.1

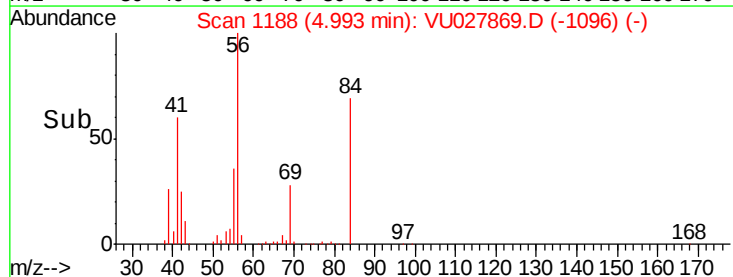
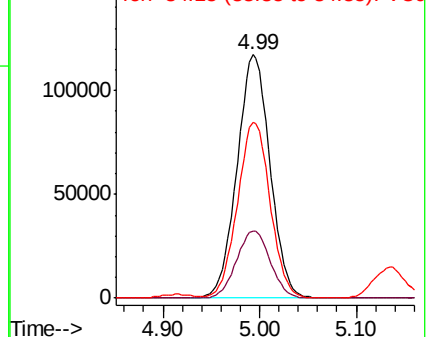
84 71.4 58.1 87.1

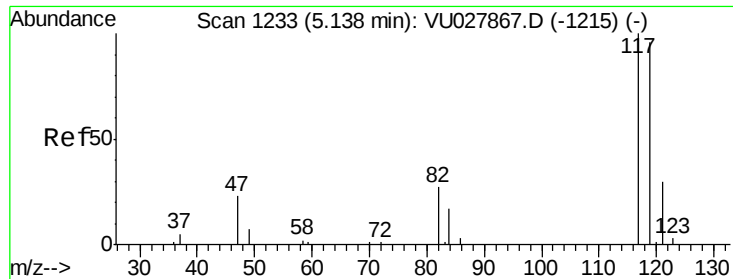


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

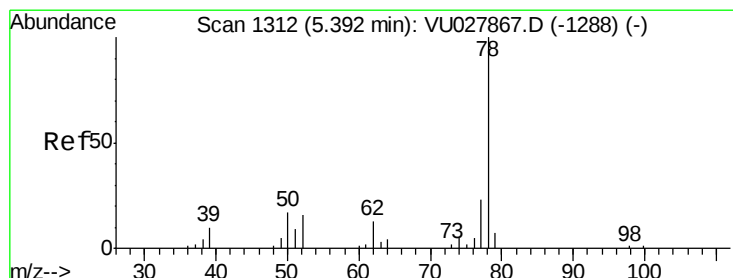
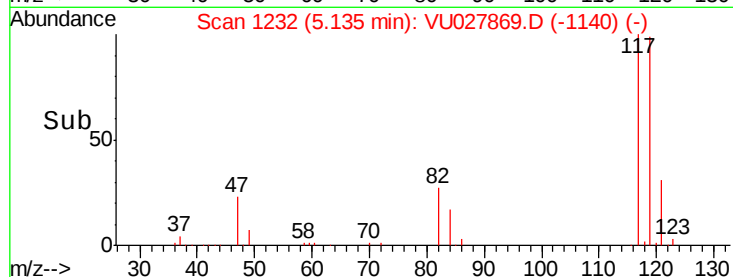
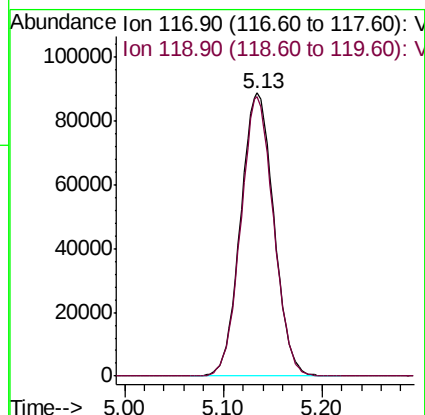
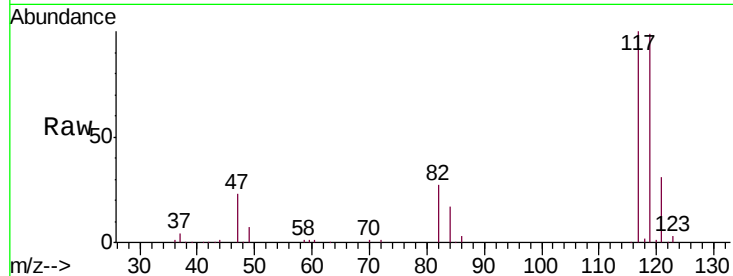




#31
Carbon tetrachloride
Concen: 22.266 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

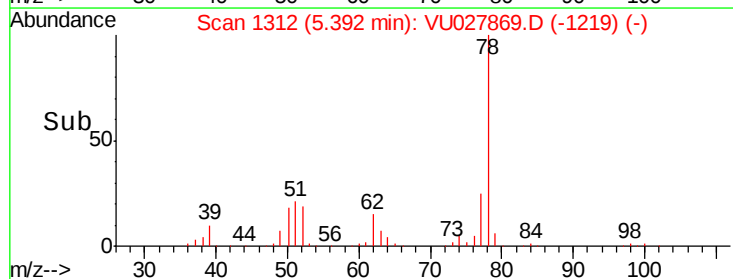
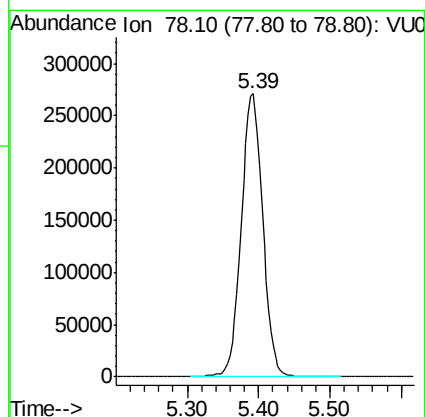
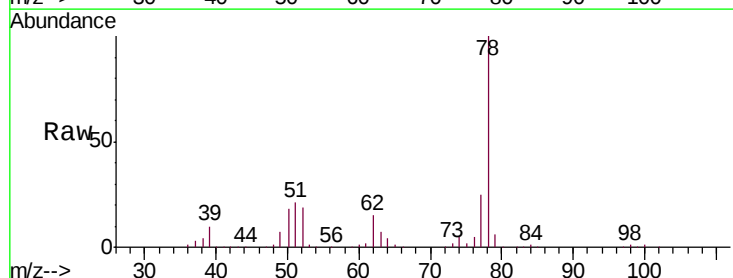
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

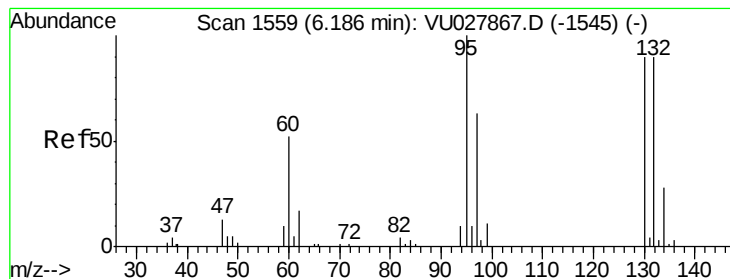
Tgt Ion:117 Resp: 207052
Ion Ratio Lower Upper
117 100
119 96.9 77.1 115.7



#33
Benzene
Concen: 21.531 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion: 78 Resp: 572545





#34

Trichloroethene

Concen: 22.070 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

Tgt Ion: 95 Resp: 152749

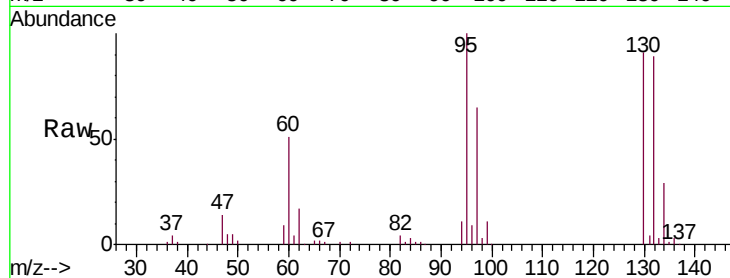
Ion Ratio Lower Upper

95 100

97 65.0 44.0 81.6

132 88.5 63.3 117.5

130 90.9 63.1 117.3

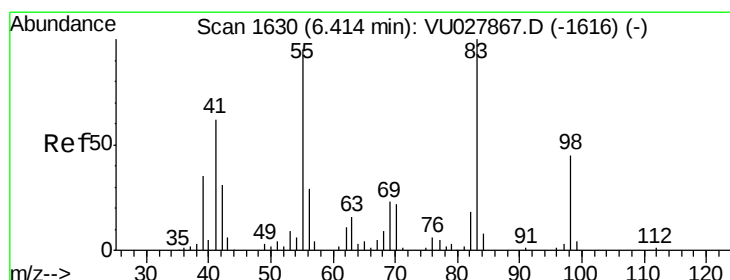
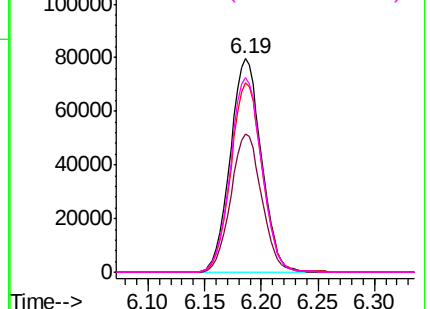
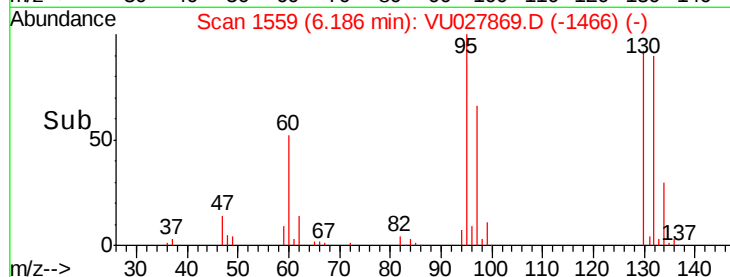


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 21.804 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

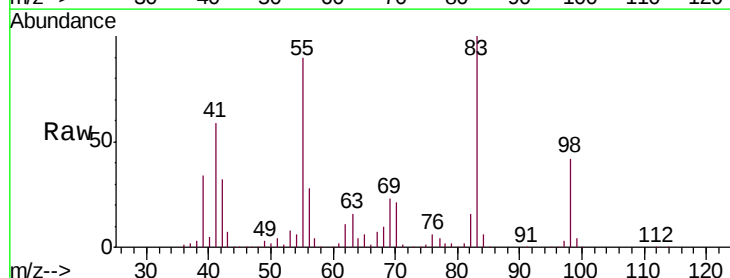
Tgt Ion: 83 Resp: 256732

Ion Ratio Lower Upper

83 100

55 89.9 73.4 110.0

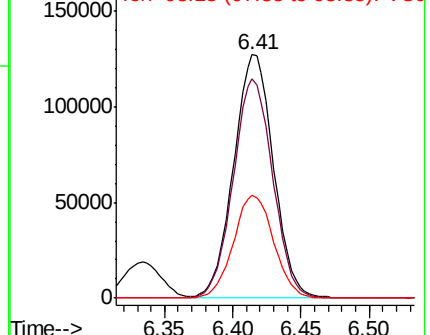
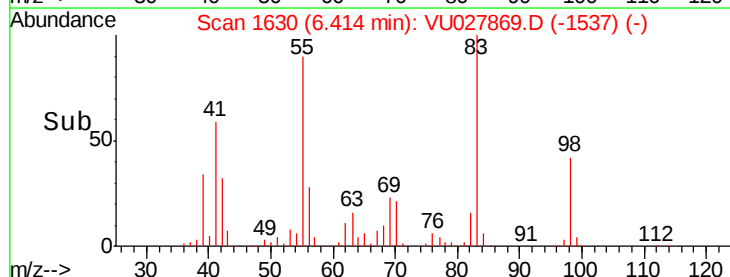
98 43.2 35.3 52.9

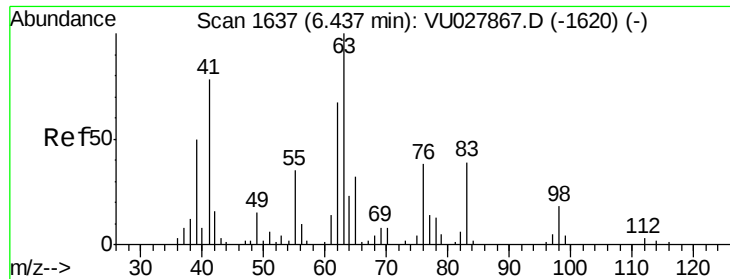


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

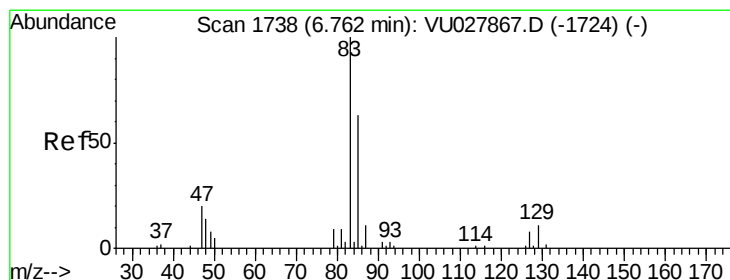
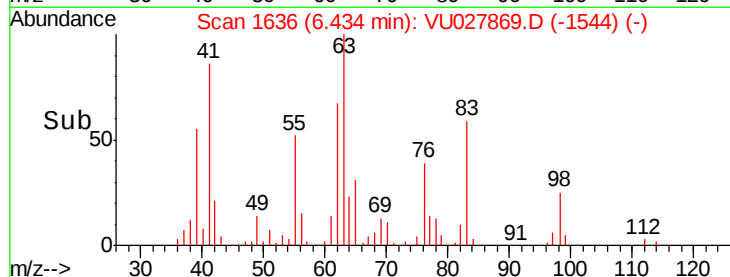
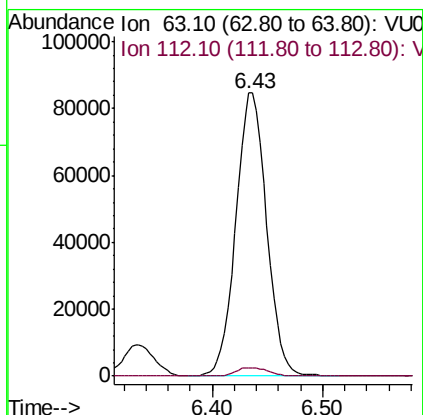
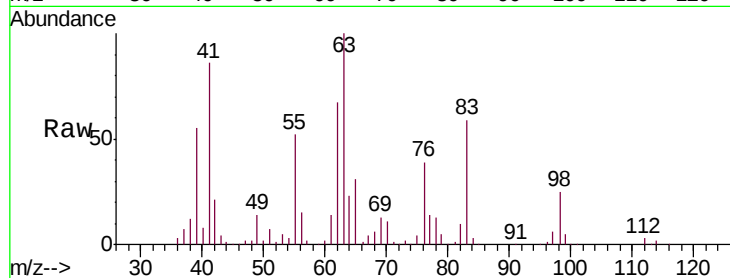




#37
 1,2-Dichloropropane
 Concen: 21.598 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

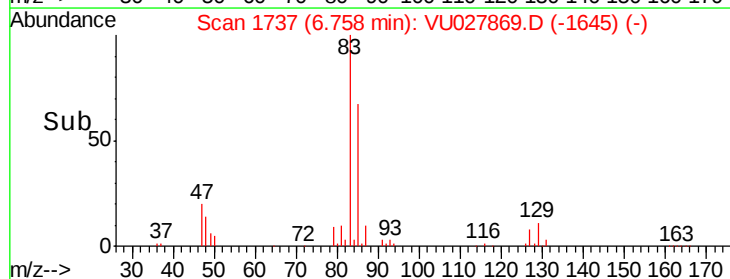
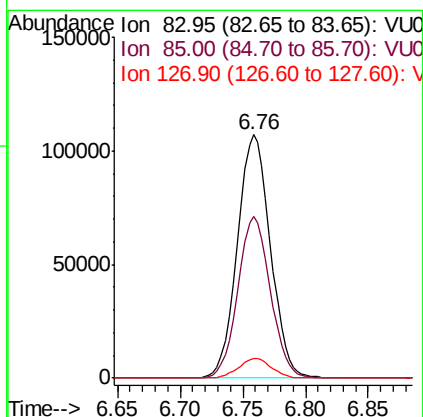
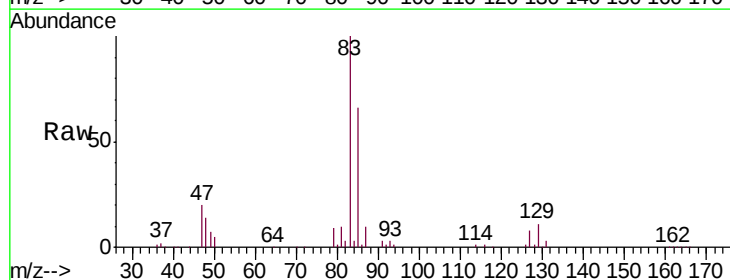
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

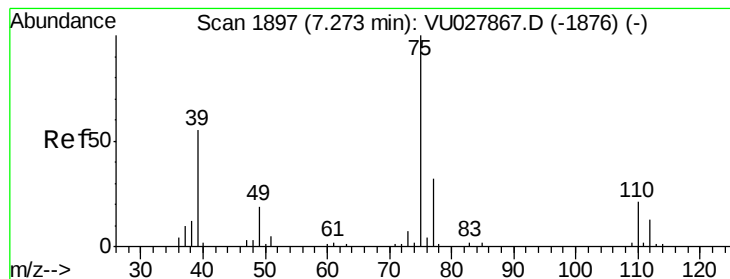
Tgt Ion: 63 Resp: 163609
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 3.8



#38
 Bromodichloromethane
 Concen: 22.128 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

Tgt Ion: 83 Resp: 195976
 Ion Ratio Lower Upper
 83 100
 85 66.4 43.8 81.4
 127 8.1 6.4 9.6



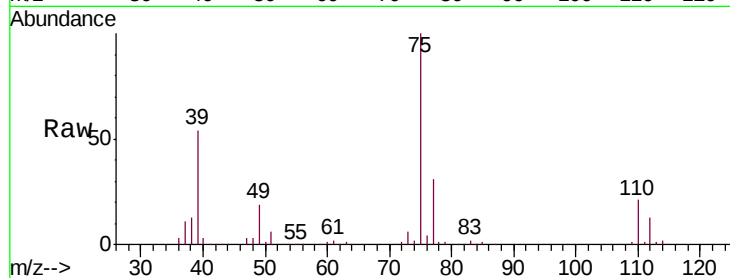


#39

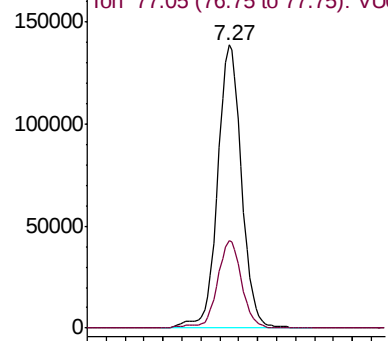
cis-1,3-Dichloropropene
 Concen: 22.462 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

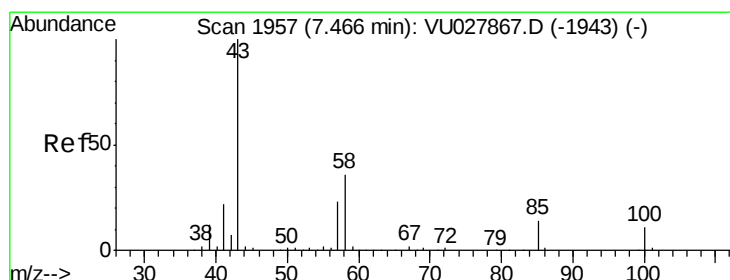
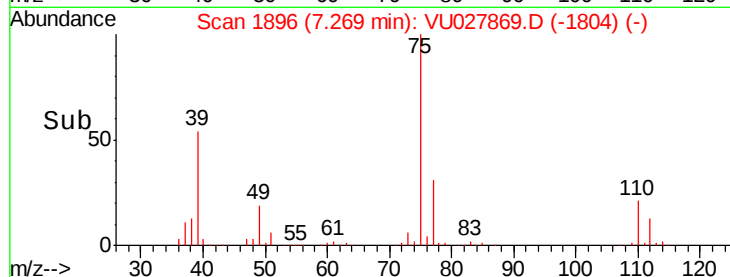
Tgt Ion: 75 Resp: 243908
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU027867.D (-1876) (-)
 Ion 77.05 (76.75 to 77.75): VU027867.D (-1876) (-)



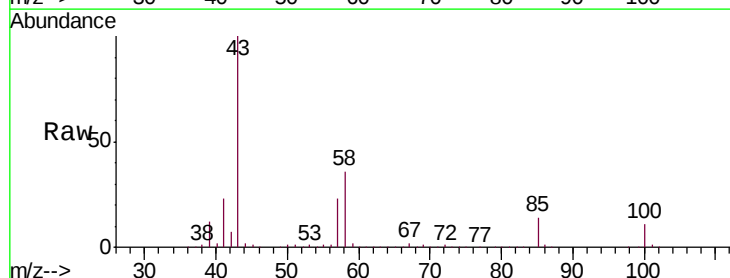
Time-->



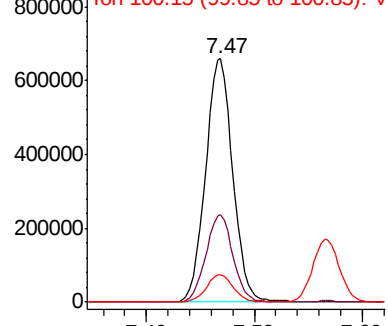
#40

4-Methyl-2-pentanone
 Concen: 216.519 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

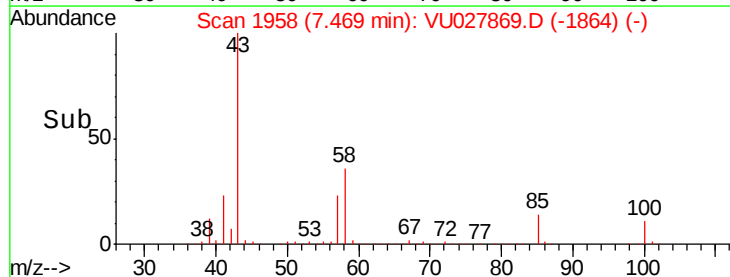
Tgt Ion: 43 Resp: 1158769
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.5 42.7
 100 11.2 8.8 13.2

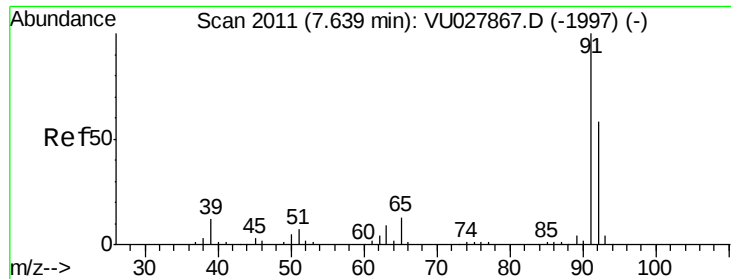


Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-1943) (-)
 Ion 58.05 (57.75 to 58.75): VU027867.D (-1943) (-)
 Ion 100.15 (99.85 to 100.85): VU027867.D (-1943) (-)



Time-->





#42

Toluene

Concen: 21.992 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

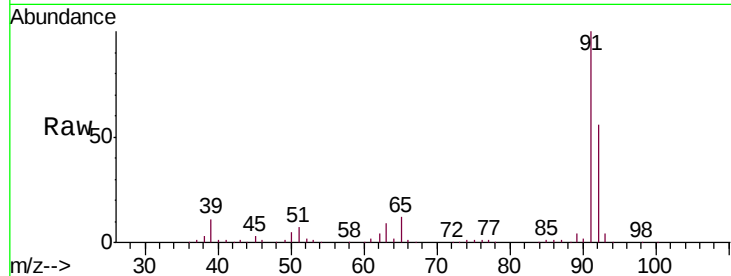
VSTD02047

Tgt Ion: 91 Resp: 611802

Ion Ratio Lower Upper

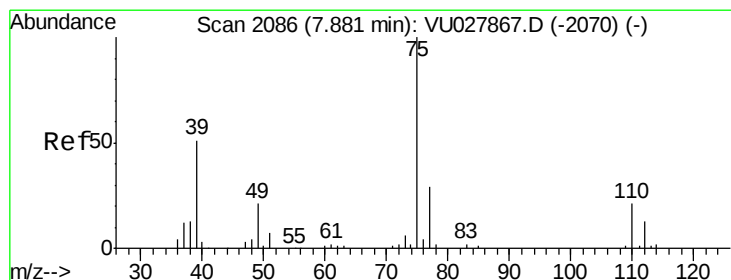
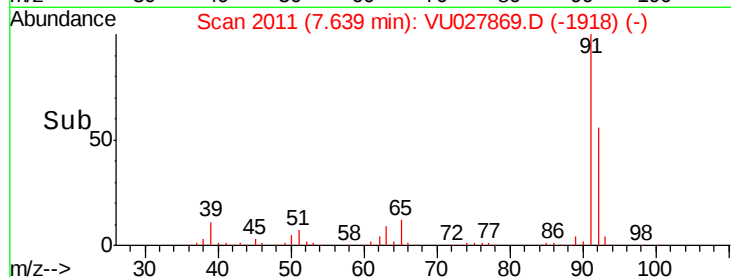
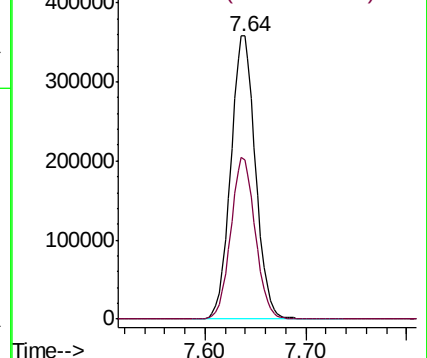
91 100

92 56.5 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: 22.298 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027869.D

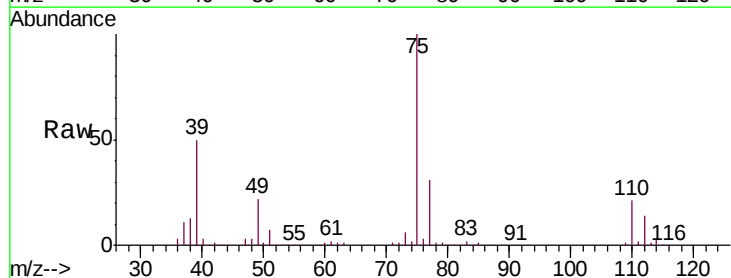
Acq: 30 Oct 2018 12:16

Tgt Ion: 75 Resp: 207702

Ion Ratio Lower Upper

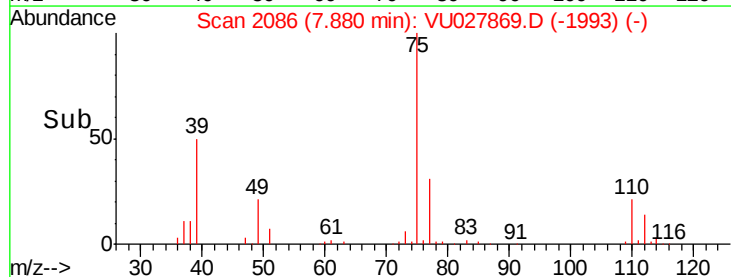
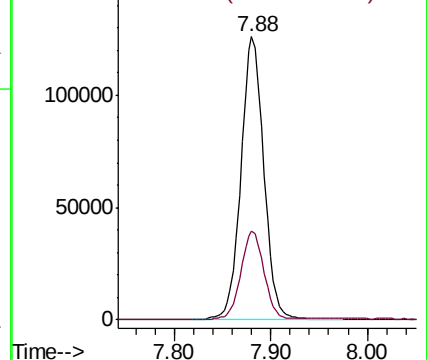
75 100

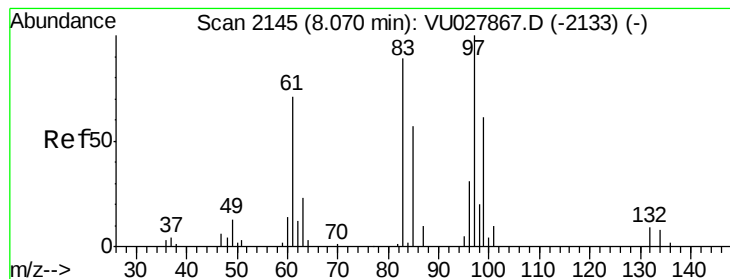
77 31.3 20.5 38.1



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: 21.562 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

Tgt Ion: 97 Resp: 100469

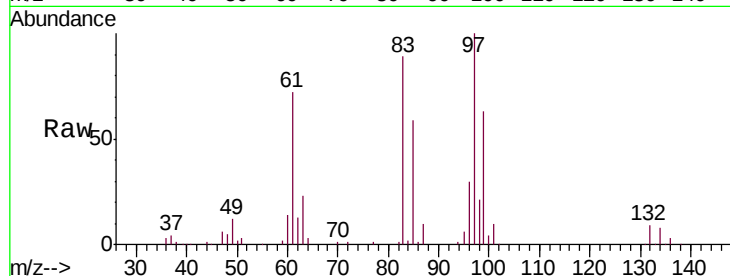
Ion Ratio Lower Upper

97 100

99 62.5 42.9 79.7

83 88.8 62.2 115.6

85 58.6 40.2 74.6

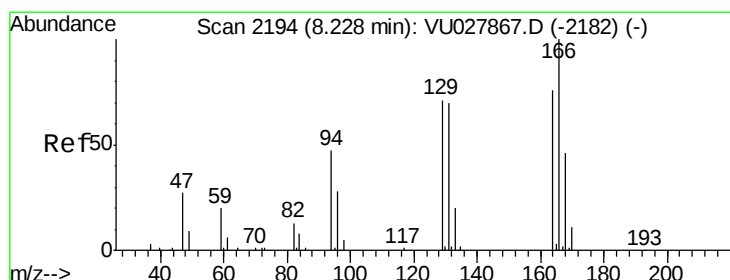
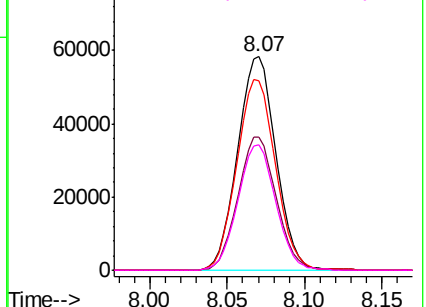
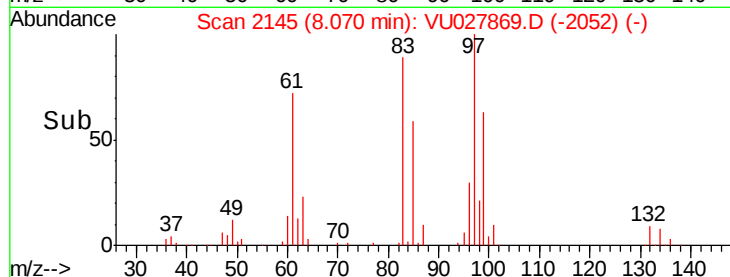


Abundance Ion 96.95 (96.65 to 97.65): VU027869.D (-2052) (-)

Ion 99.05 (98.75 to 99.75): VU027869.D (-2052) (-)

Ion 82.95 (82.65 to 83.65): VU027869.D (-2052) (-)

Ion 85.00 (84.70 to 85.70): VU027869.D (-2052) (-)



#47

Tetrachloroethene

Concen: 21.812 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Tgt Ion: 164 Resp: 115983

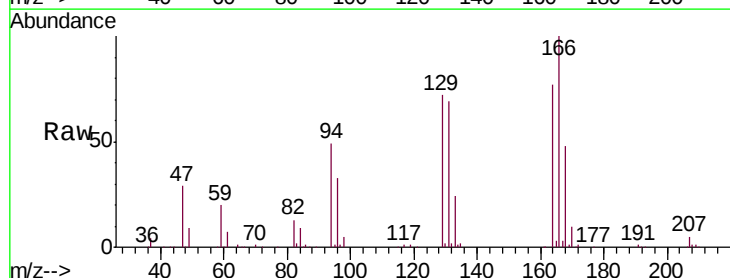
Ion Ratio Lower Upper

164 100

129 94.4 64.9 120.5

131 90.3 64.3 119.5

166 130.3 91.8 170.4

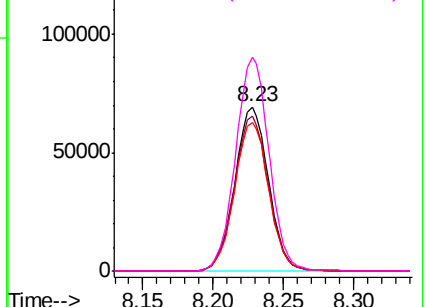
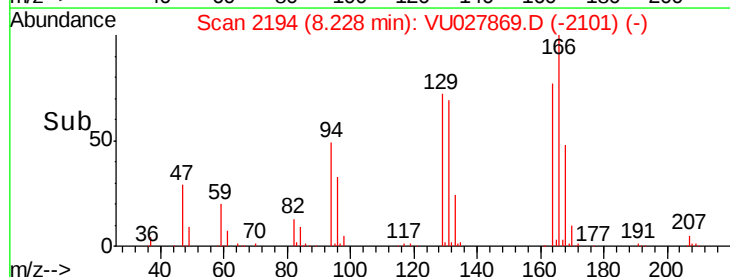


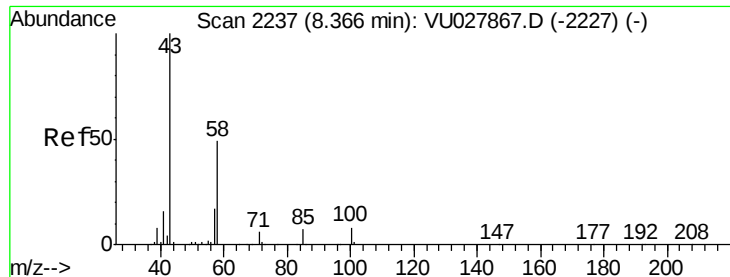
Abundance Ion 163.90 (163.60 to 164.60): VU027869.D (-2101) (-)

Ion 128.95 (128.65 to 129.65): VU027869.D (-2101) (-)

Ion 130.95 (130.65 to 131.65): VU027869.D (-2101) (-)

Ion 165.90 (165.60 to 166.60): VU027869.D (-2101) (-)

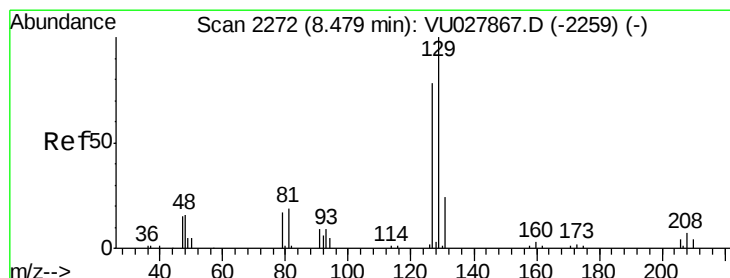
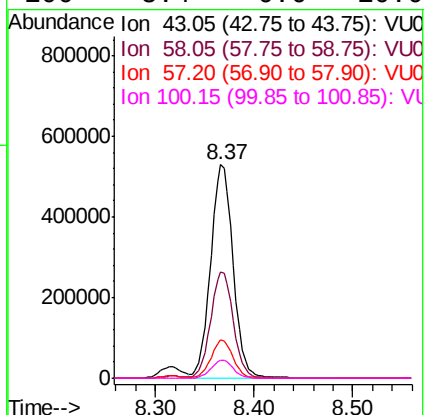
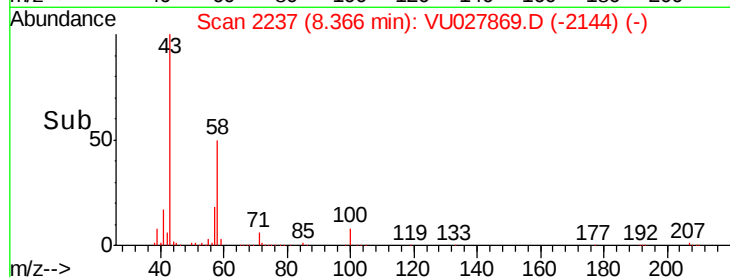
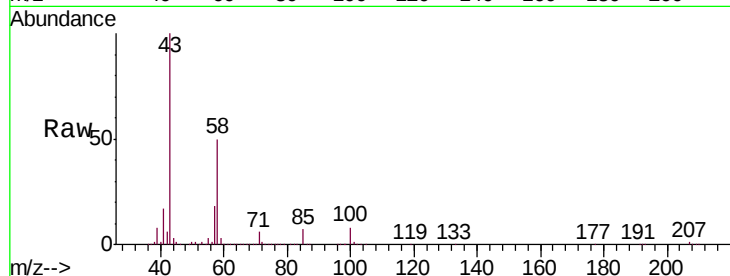




#48
2-Hexanone
Concen: 217.526 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

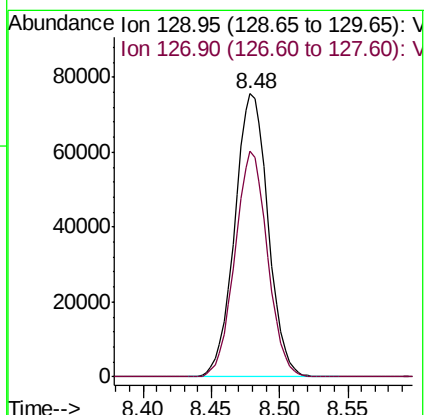
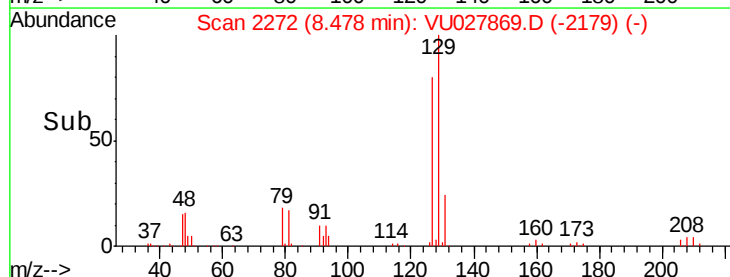
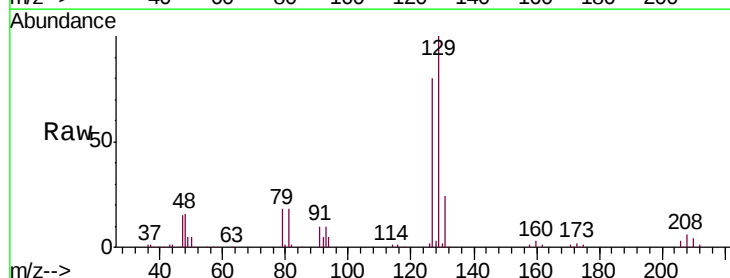
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

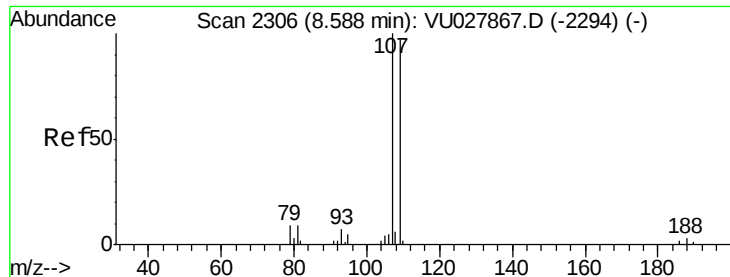
Tgt Ion: 43 Resp: 839264
Ion Ratio Lower Upper
43 100
58 50.2 38.9 58.3
57 17.7 13.3 19.9
100 8.4 6.6 10.0



#49
Dibromochloromethane
Concen: 22.796 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion: 129 Resp: 128286
Ion Ratio Lower Upper
129 100
127 79.5 54.5 101.1

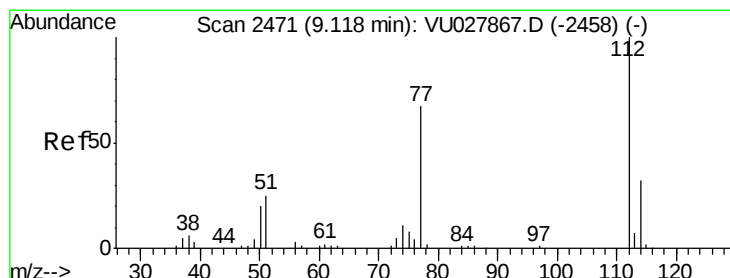
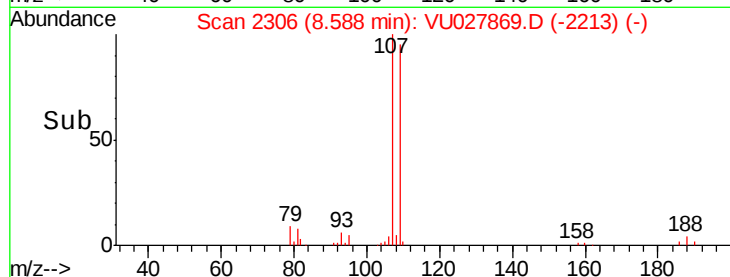
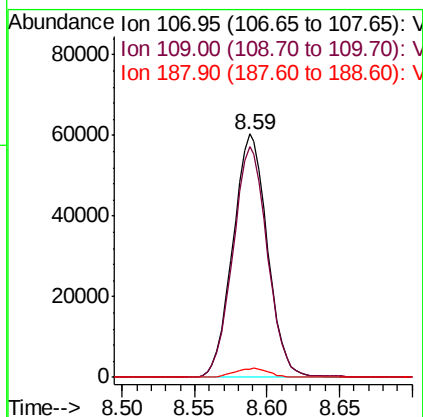
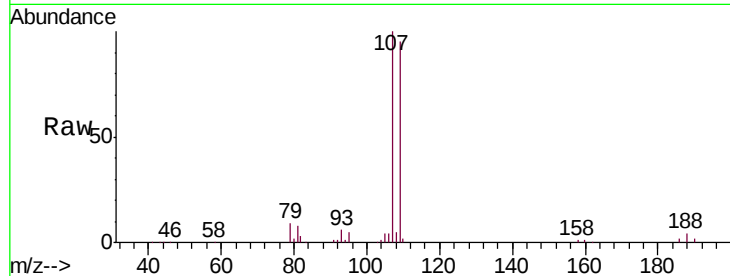




#50
1,2-Dibromoethane
Concen: 22.336 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

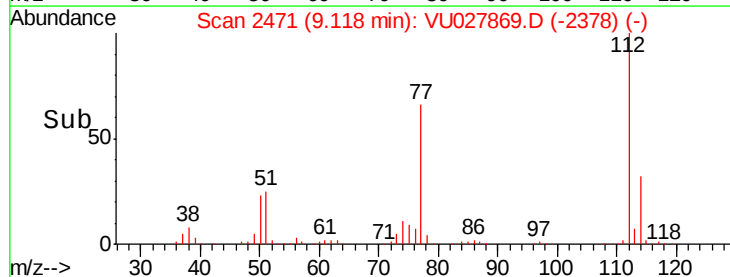
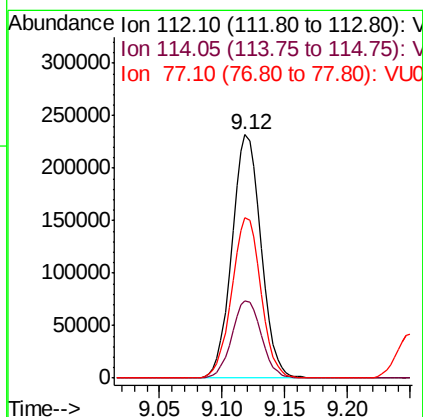
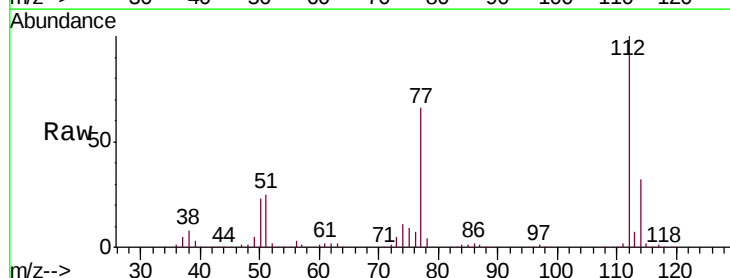
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

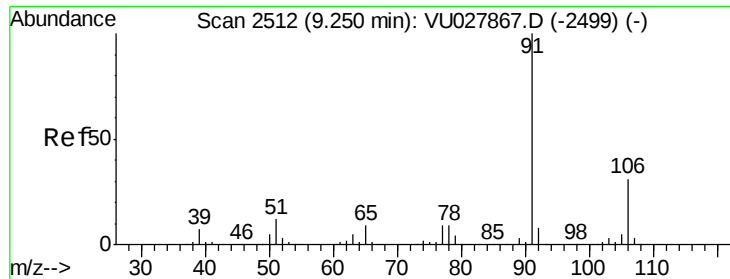
Tgt Ion:107 Resp: 99583
Ion Ratio Lower Upper
107 100
109 94.7 68.0 126.4
188 3.6 2.7 4.1



#51
Chlorobenzene
Concen: 21.722 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion:112 Resp: 374893
Ion Ratio Lower Upper
112 100
114 31.8 22.0 41.0
77 65.7 54.3 81.5





#52

Ethylbenzene

Concen: 22.412 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

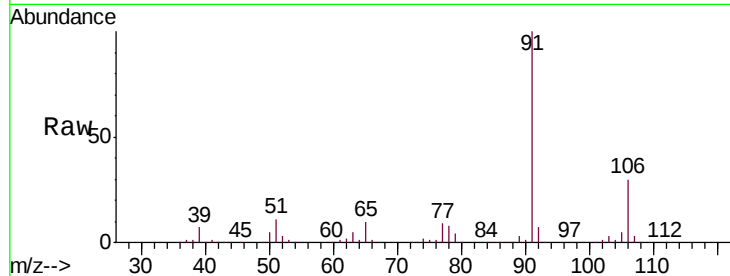
VSTD02047

Tgt Ion: 91 Resp: 710970

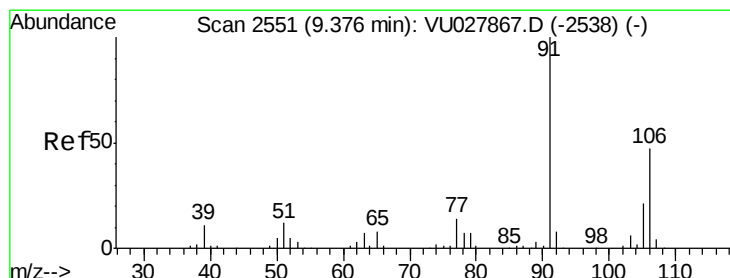
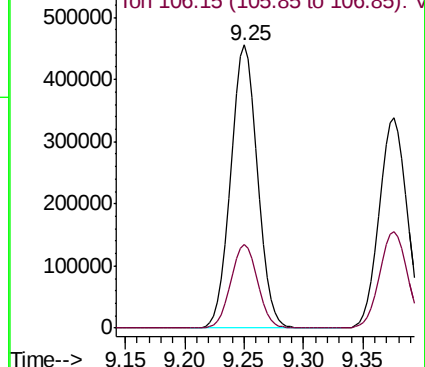
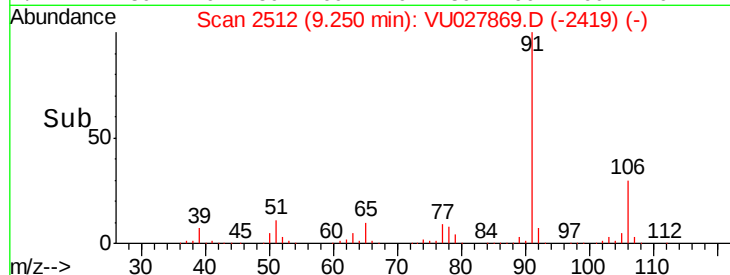
Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027869.D (-2419) (-)



#53

m,p-xylene

Concen: 22.179 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027869.D

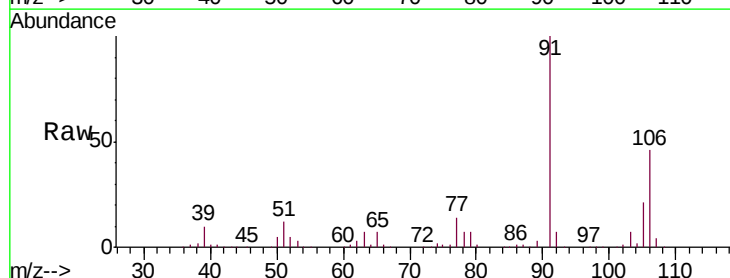
Acq: 30 Oct 2018 12:16

Tgt Ion: 106 Resp: 255100

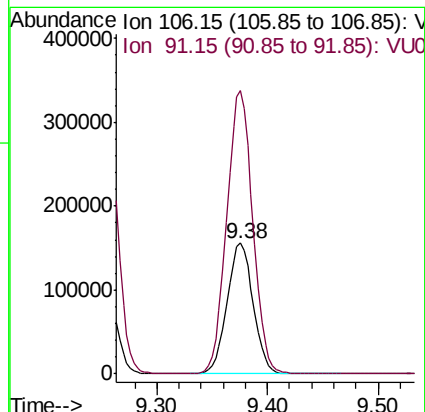
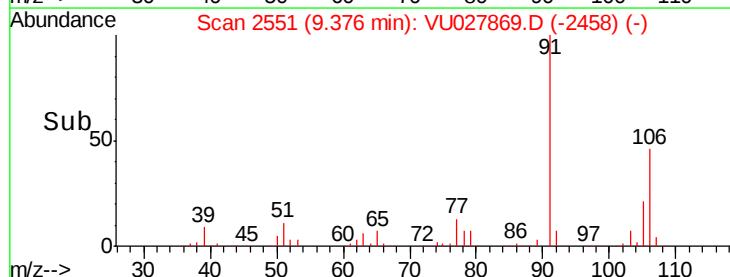
Ion Ratio Lower Upper

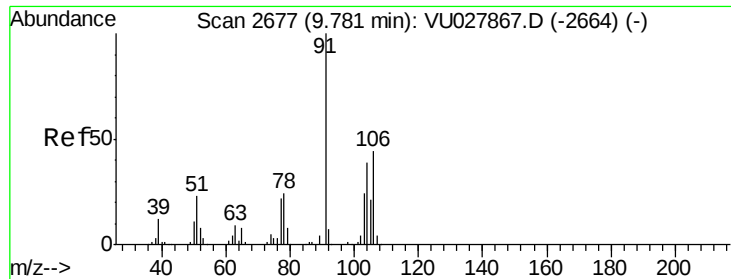
106 100

91 216.3 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027869.D (-2458) (-)

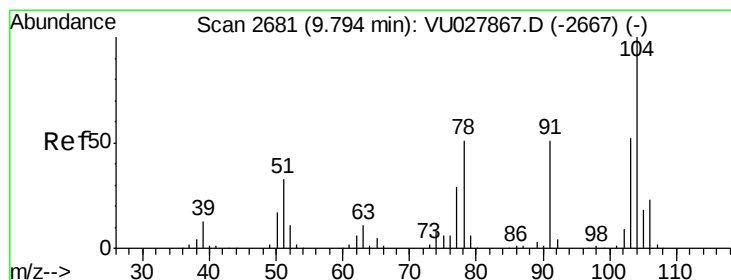
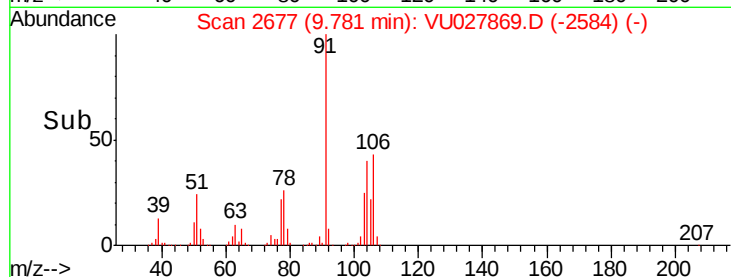
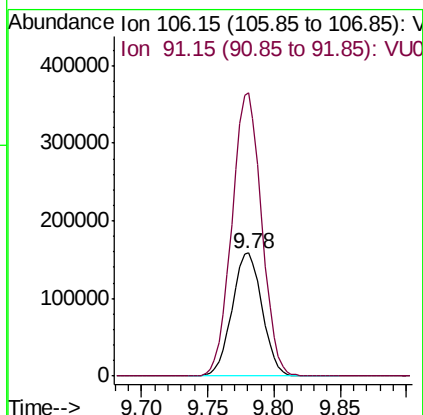
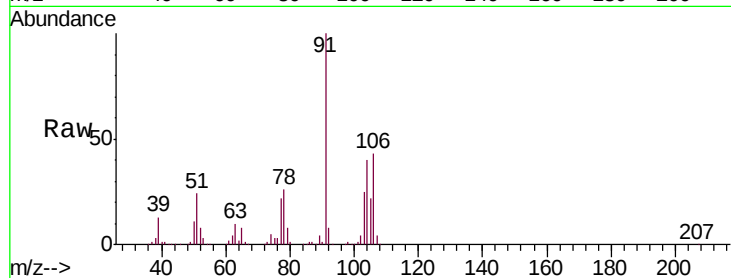




#54
o-xylene
Concen: 22.156 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

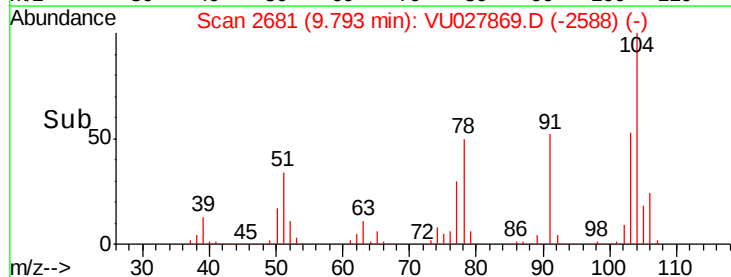
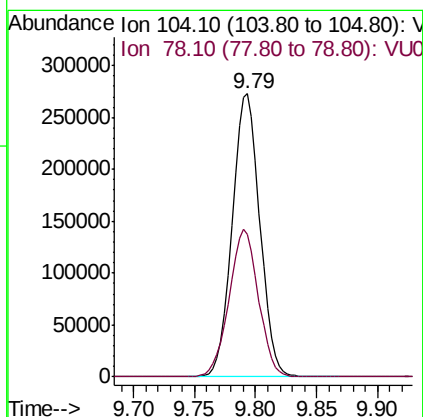
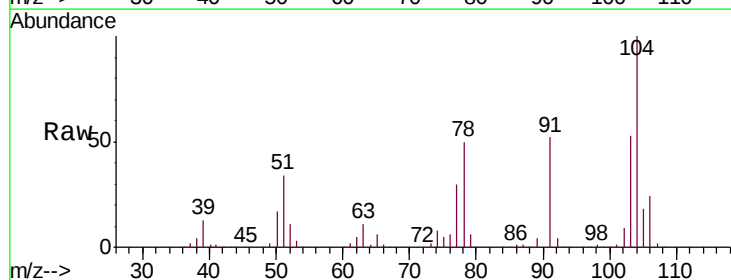
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

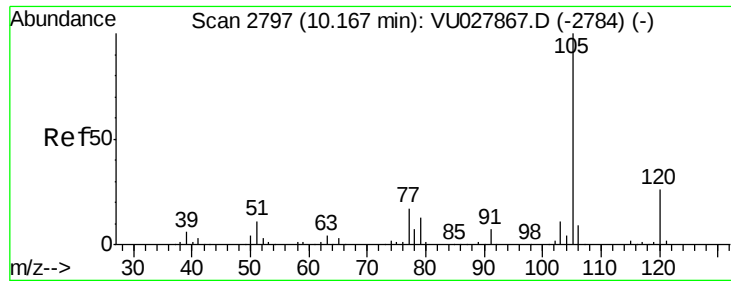
Tgt Ion:106 Resp: 250304
Ion Ratio Lower Upper
106 100
91 230.0 158.3 293.9



#55
Styrene
Concen: 22.694 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027869.D
Acq: 30 Oct 2018 12:16

Tgt Ion:104 Resp: 429766
Ion Ratio Lower Upper
104 100
78 50.4 35.6 66.0





#56

Isopropylbenzene

Concen: 22.318 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

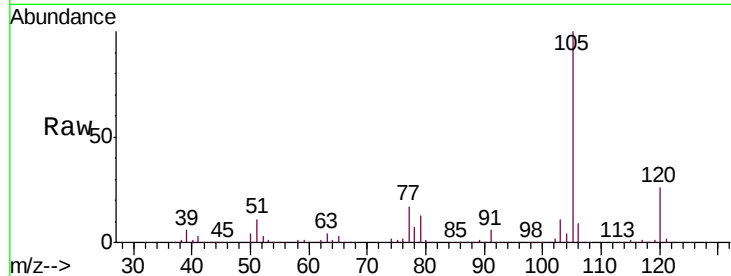
Tgt Ion: 105 Resp: 686899

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

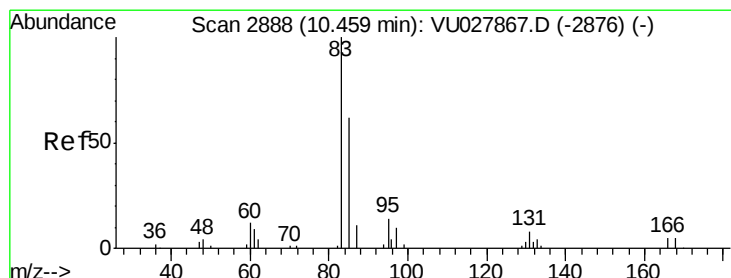
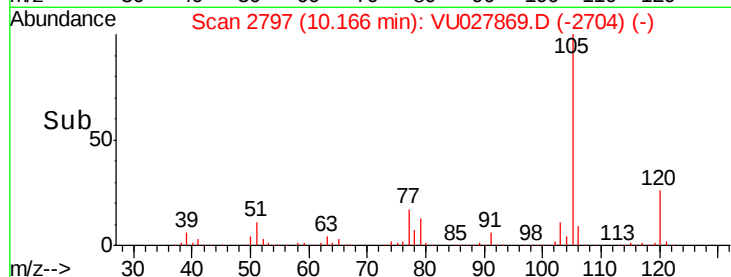
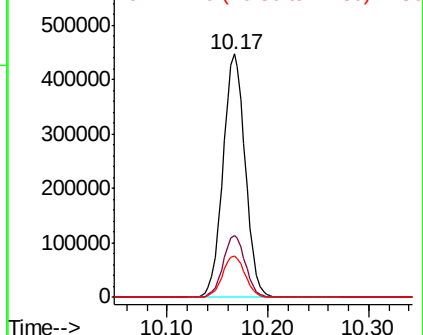
77 17.2 13.4 20.2



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: 22.194 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

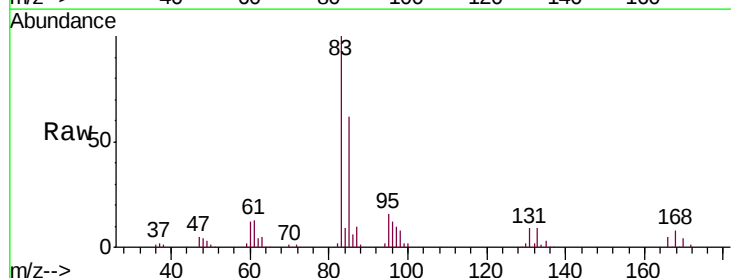
Tgt Ion: 83 Resp: 134863

Ion Ratio Lower Upper

83 100

85 62.4 44.4 82.4

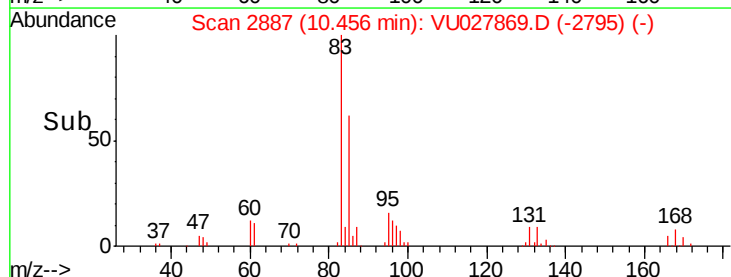
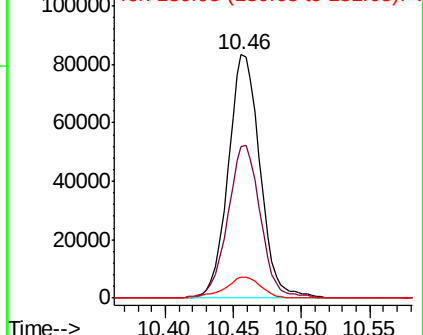
131 8.7 6.8 10.2

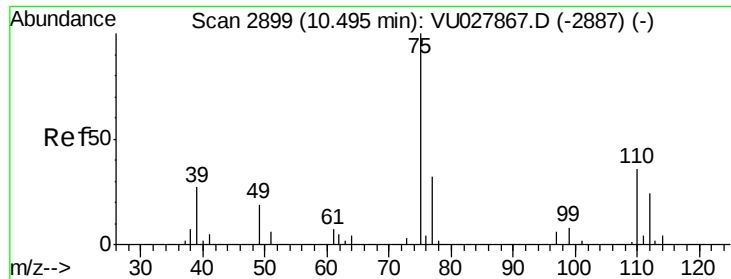


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.624 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

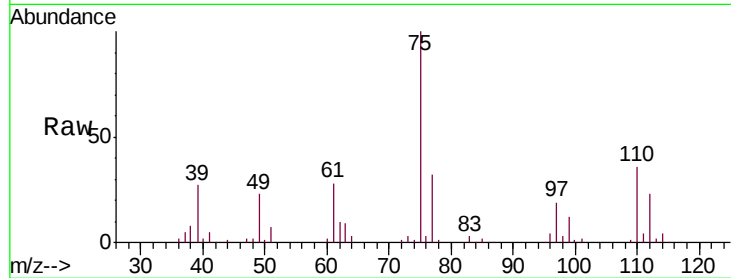
VSTD02047

Tgt Ion: 75 Resp: 99287

Ion Ratio Lower Upper

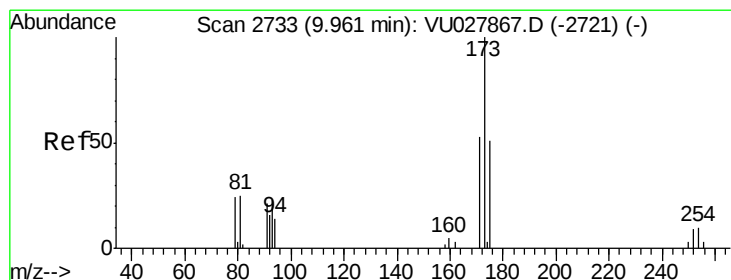
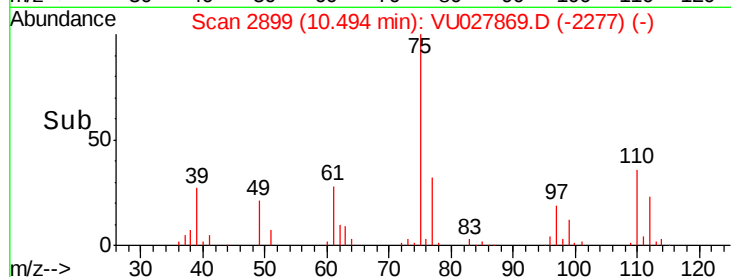
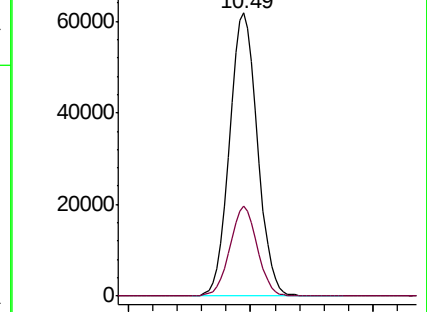
75 100

77 31.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU027867.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027867.D (-2887) (-)



#61

Bromoform

Concen: 23.554 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

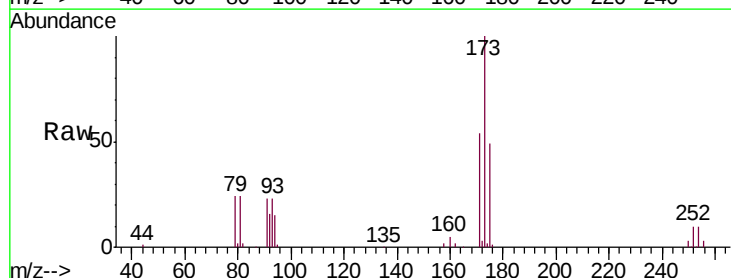
Tgt Ion: 173 Resp: 75265

Ion Ratio Lower Upper

173 100

175 49.4 38.3 57.5

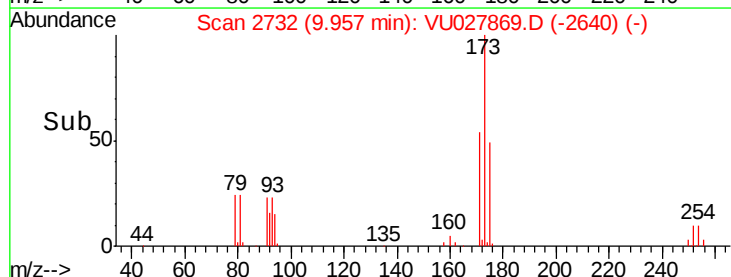
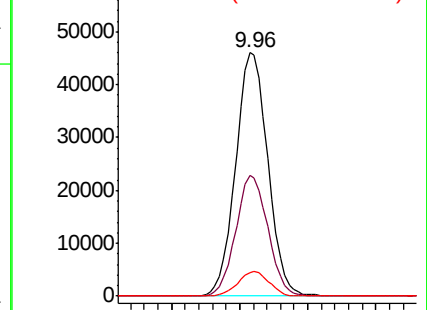
254 9.8 7.8 11.6

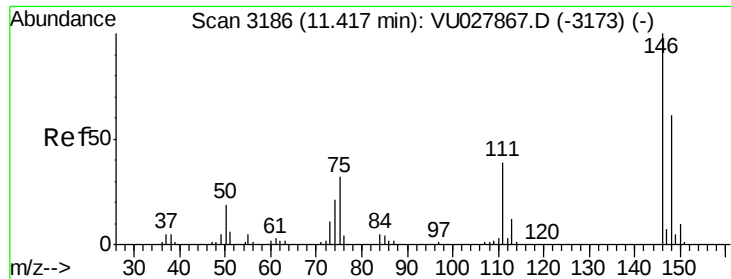


Abundance Ion 172.90 (172.60 to 173.60): VU027867.D (-2721) (-)

Ion 174.90 (174.60 to 175.60): VU027867.D (-2721) (-)

Ion 253.75 (253.45 to 254.45): VU027867.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 21.862 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

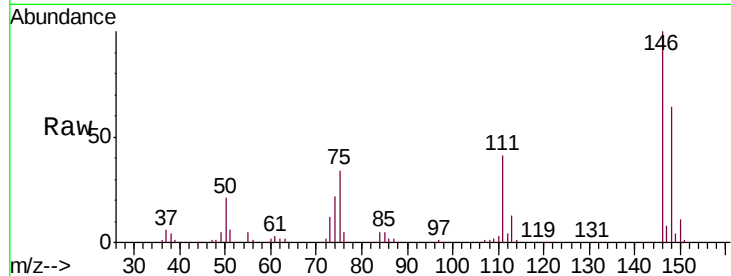
Tgt Ion:146 Resp: 305406

Ion Ratio Lower Upper

146 100

111 41.2 27.4 51.0

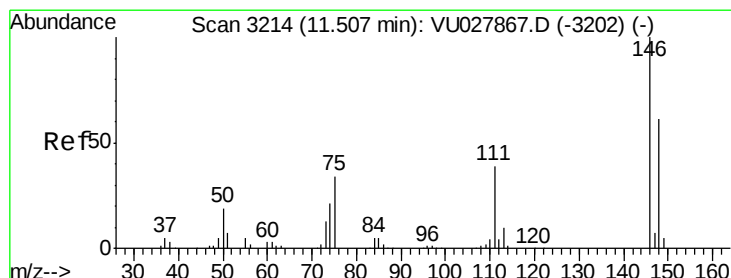
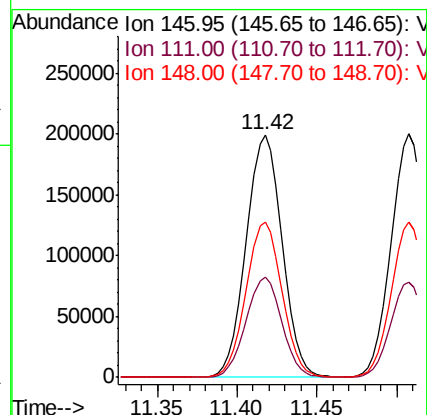
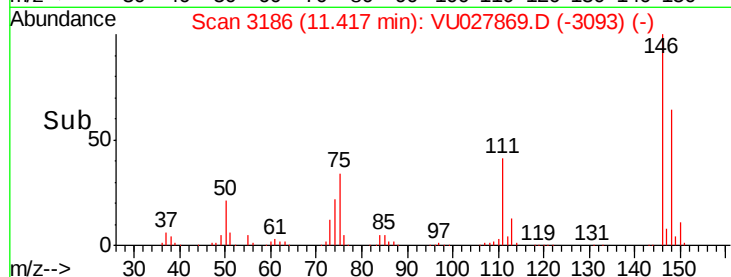
148 64.3 42.6 79.0



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: 22.116 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

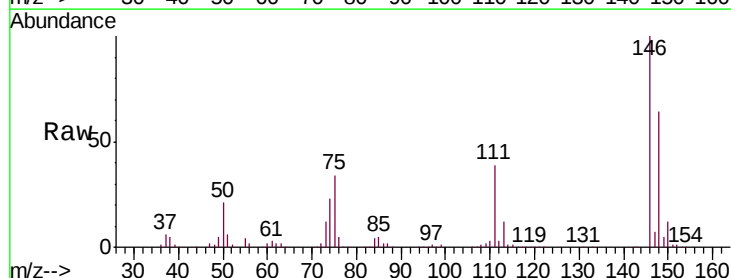
Tgt Ion:146 Resp: 308833

Ion Ratio Lower Upper

146 100

111 39.2 27.4 51.0

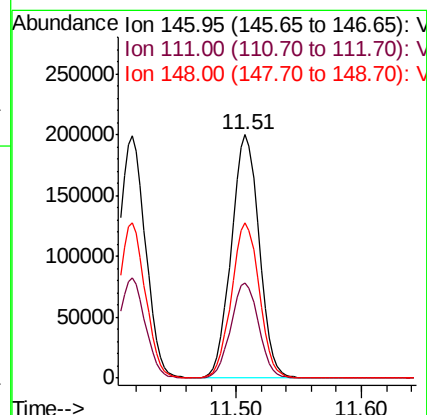
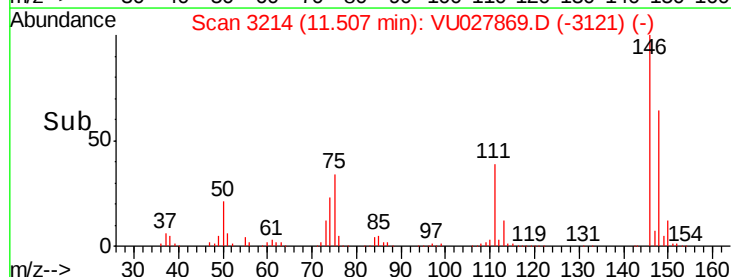
148 63.8 43.1 80.1

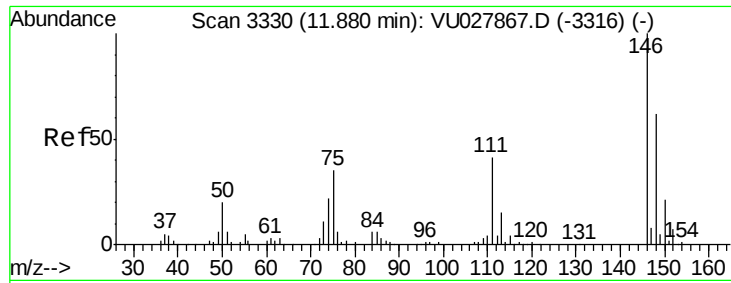


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.530 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

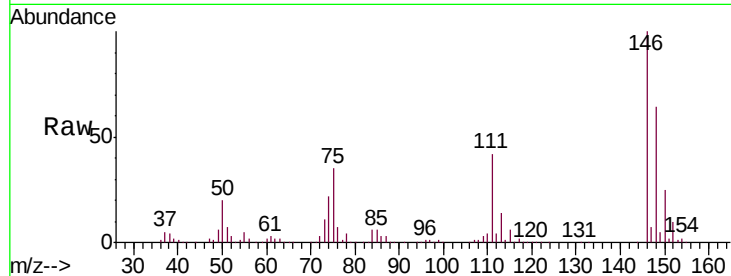
Tgt Ion: 146 Resp: 284003

Ion Ratio Lower Upper

146 100

111 42.3 33.0 49.4

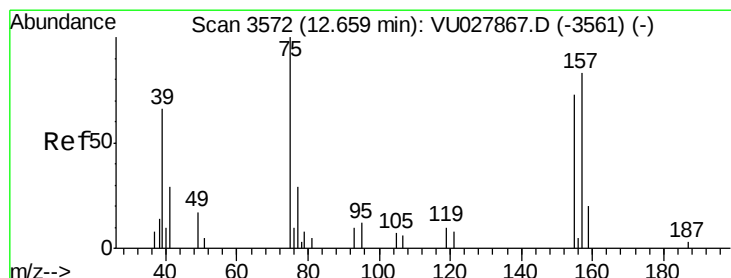
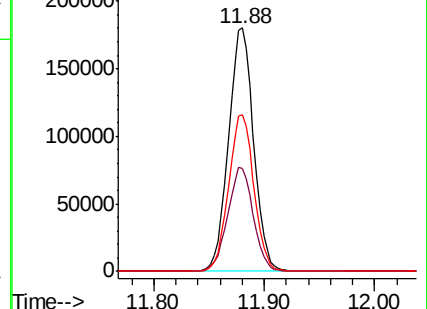
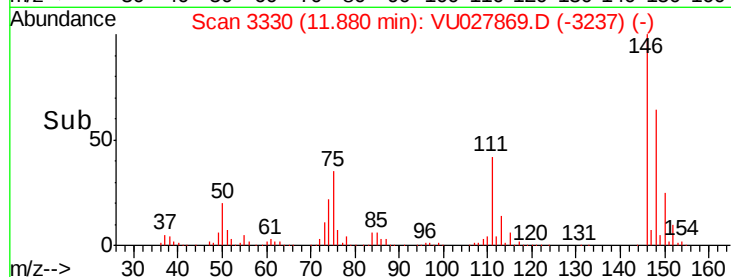
148 64.3 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.439 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

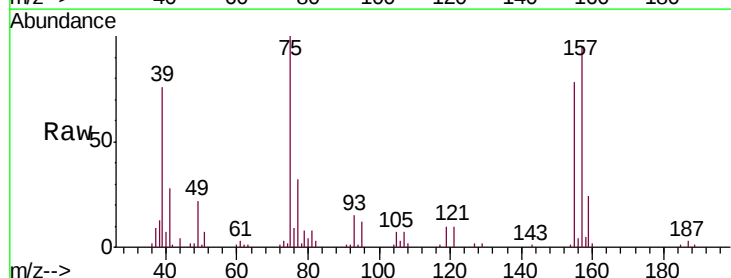
Tgt Ion: 75 Resp: 23197

Ion Ratio Lower Upper

75 100

155 77.7 58.6 87.8

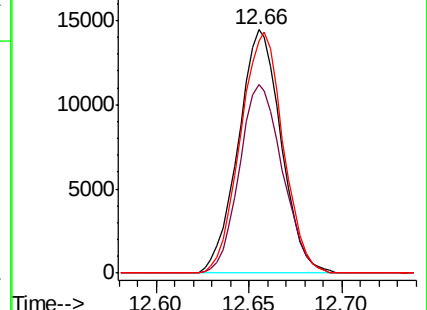
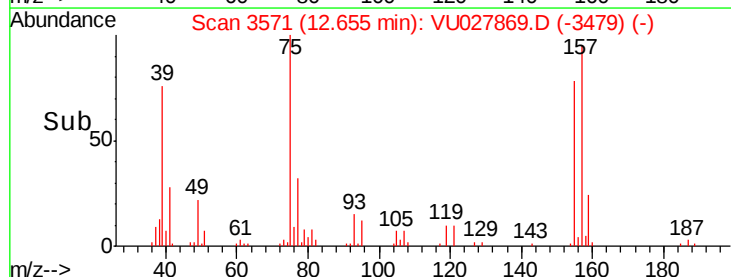
157 95.2 66.7 100.1

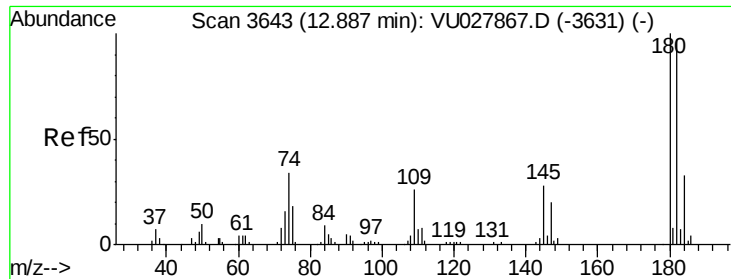


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

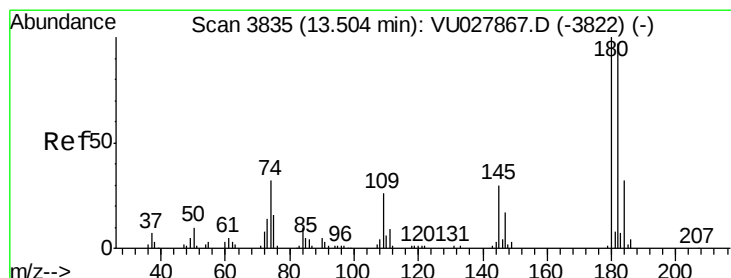
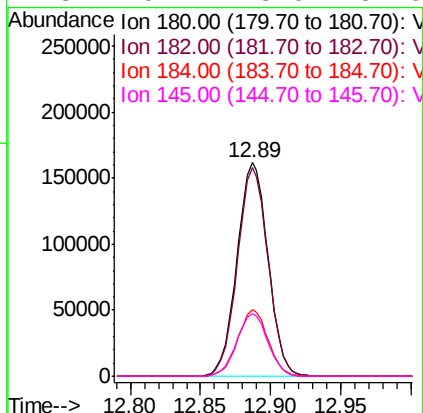
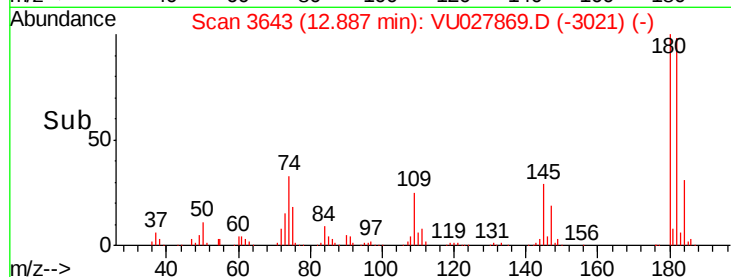
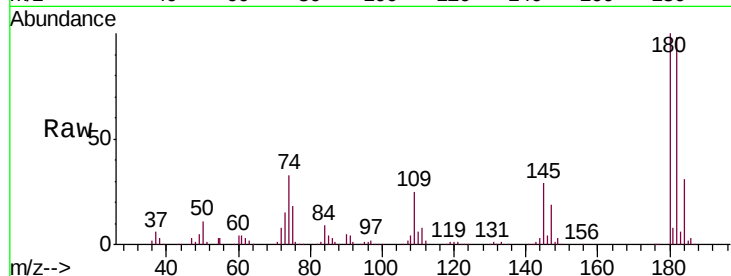




#67
 1,3,5-Trichlorobenzene
 Concen: 22.184 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

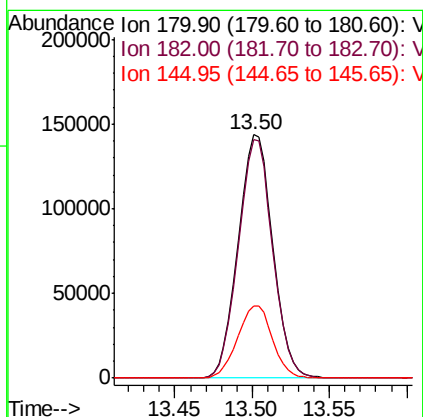
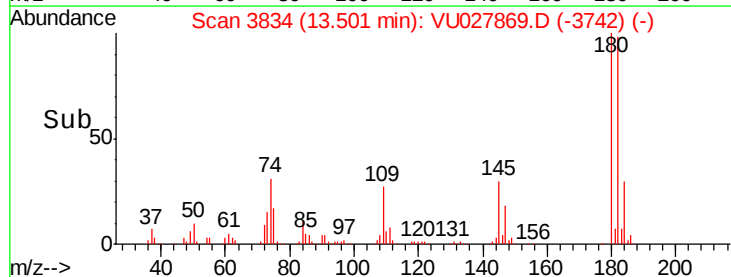
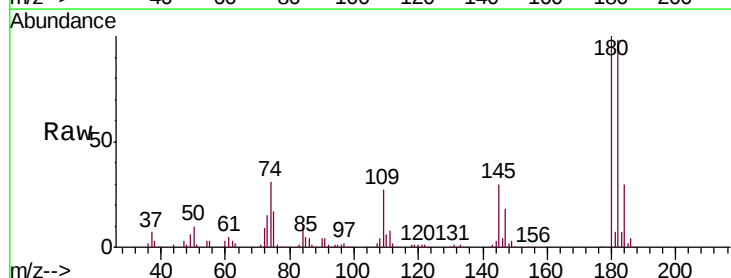
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

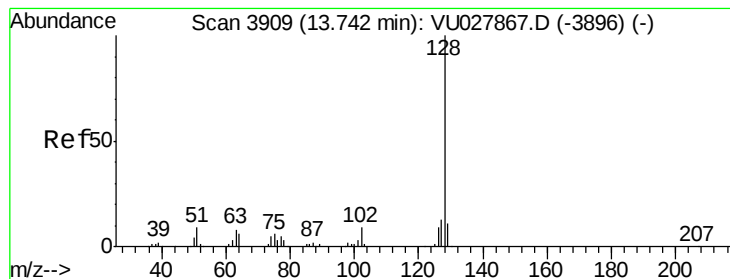
Tgt Ion:	180	Resp:	249402
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.3	115.9
184	30.6	24.6	37.0
145	29.2	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 23.376 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027869.D
 Acq: 30 Oct 2018 12:16

Tgt Ion:	180	Resp:	223501
Ion Ratio	Lower	Upper	
180	100		
182	97.1	77.8	116.6
145	30.0	22.9	34.3





#69

Naphthalene

Concen: 24.059 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

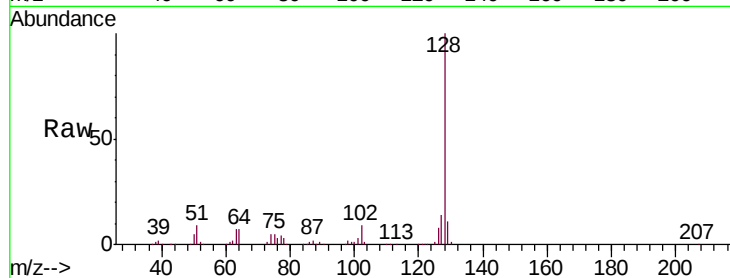
Tgt Ion:128 Resp: 357693

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

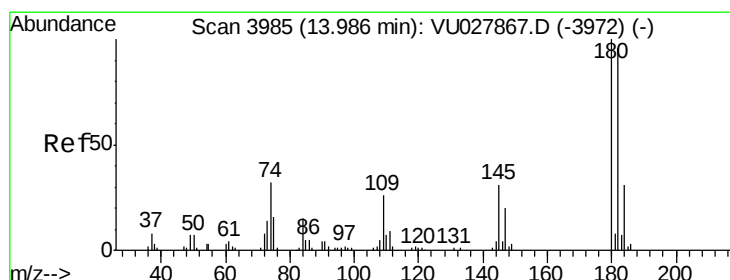
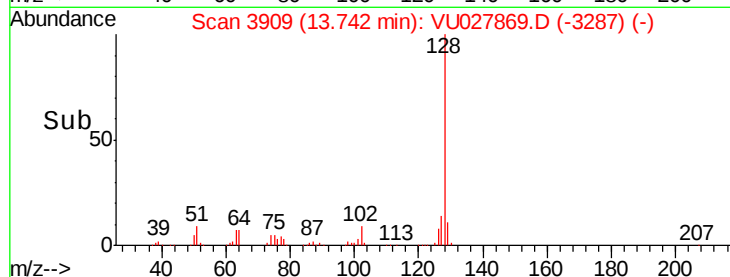
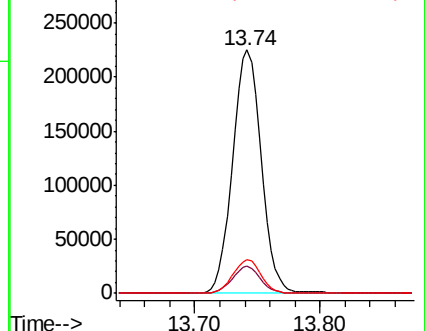
127 13.7 10.5 15.7



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: 22.998 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027869.D

Acq: 30 Oct 2018 12:16

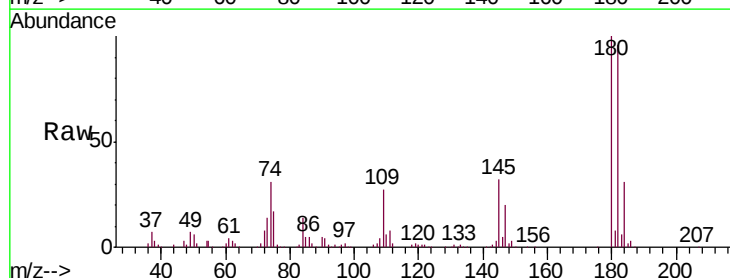
Tgt Ion:180 Resp: 200279

Ion Ratio Lower Upper

180 100

182 96.0 79.4 119.0

145 31.6 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

