

Data File : VU027775.D
Acq On : 24 Oct 2018 10:45
Operator : MD/SY
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB47

Quant Time: Oct 25 04:36:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:31:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	42933	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	41565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	20226	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16587	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.68	69	12584	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.28	63	32332	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.22	46	53066	49.87	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.65	84	29978	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.31	65	17789	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.34	84	54641	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.33	67	18966	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.57	98	53161	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.85	79	8027	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.32	63	44642	50.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14963	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	19250	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	20871	5.013 ug/L	99
3) Chloromethane	1.33	50	22694	4.854 ug/L	98
5) Vinyl chloride	1.40	62	21751	4.833 ug/L	99
6) Bromomethane	1.63	94	11642	5.047 ug/L	98
8) Chloroethane	1.70	64	12090	4.971 ug/L	94
9) Trichlorofluoromethane	1.89	101	29577	4.972 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	15492	5.159 ug/L	95
12) 1,1-Dichloroethene	2.29	96	13226	4.726 ug/L	89
13) Acetone	2.35	43	37200	48.494 ug/L	100
14) Carbon disulfide	2.48	76	45802	4.768 ug/L	99
15) Methyl Acetate	2.63	43	9677	4.509 ug/L	96
16) Methylene chloride	2.70	84	15275	4.628 ug/L	96
17) Methyl tert-butyl Ether	3.01	73	42679	4.764 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	14225	4.743 ug/L	96
19) 1,1-Dichloroethane	3.45	63	31637	4.771 ug/L	99
21) 2-Butanone	4.30	43	61955	49.223 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	16778	4.710 ug/L	96

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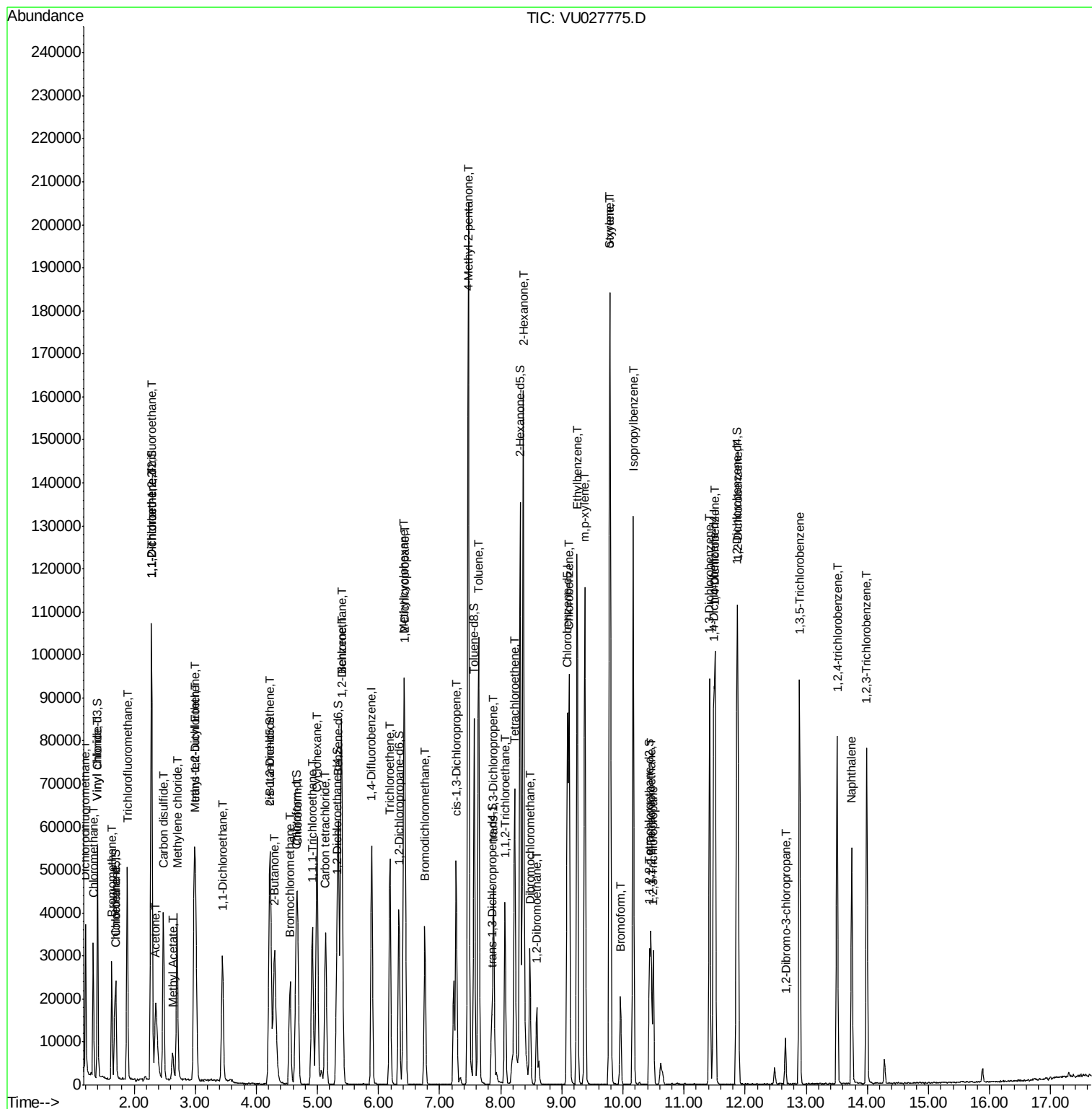
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	6861	4.751	ug/L	97
25) Chloroform	4.68	83	32319	4.840	ug/L	100
27) 1,2-Dichloroethane	5.41	62	23706	4.806	ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	28371	4.746	ug/L	99
30) Cyclohexane	4.99	56	31943	4.770	ug/L	99
31) Carbon tetrachloride	5.13	117	25204	4.913	ug/L	99
33) Benzene	5.39	78	67178	4.864	ug/L	100
34) Trichloroethene	6.19	95	17863	4.992	ug/L	99
35) Methylcyclohexane	6.41	83	29578	4.946	ug/L	97
37) 1,2-Dichloropropane	6.43	63	19369	4.776	ug/L #	98
38) Bromodichloromethane	6.76	83	23598	4.873	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	29322	5.048	ug/L	95
40) 4-Methyl-2-pentanone	7.47	43	149212	49.214	ug/L	100
42) Toluene	7.64	91	73049	4.913	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	24316	4.971	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	12243	5.002	ug/L	96
47) Tetrachloroethene	8.23	164	13900	4.782	ug/L	96
48) 2-Hexanone	8.37	43	109760	50.949	ug/L	99
49) Dibromochloromethane	8.48	129	15250	4.890	ug/L	99
50) 1,2-Dibromoethane	8.59	107	11702	4.919	ug/L	98
51) Chlorobenzene	9.12	112	44511	4.863	ug/L	99
52) Ethylbenzene	9.25	91	84390	4.893	ug/L	99
53) m,p-xylene	9.38	106	30116	4.930	ug/L	96
54) o-xylene	9.78	106	28824	4.829	ug/L	99
55) Styrene	9.79	104	49640	4.910	ug/L	100
56) Isopropylbenzene	10.17	105	80739	4.885	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	16417	5.099	ug/L #	94
59) 1,2,3-Trichloropropane	10.49	75	12763	4.998	ug/L	95
61) Bromoform	9.96	173	8814	5.181	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	35446	4.983	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	34499	4.803	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	34502	5.158	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	2985	5.603	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	28500	4.995	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	24551	4.953	ug/L	97
69) Naphthalene	13.75	128	42321	5.257	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	23606	5.169	ug/L	98

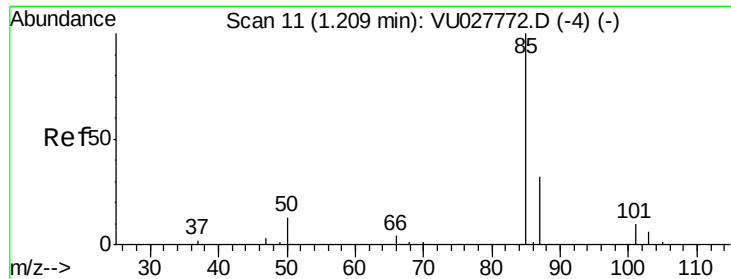
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.013 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

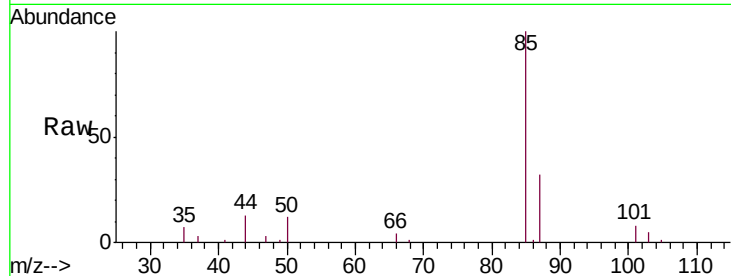
BFB47

Tgt Ion: 85 Resp: 20871

Ion Ratio Lower Upper

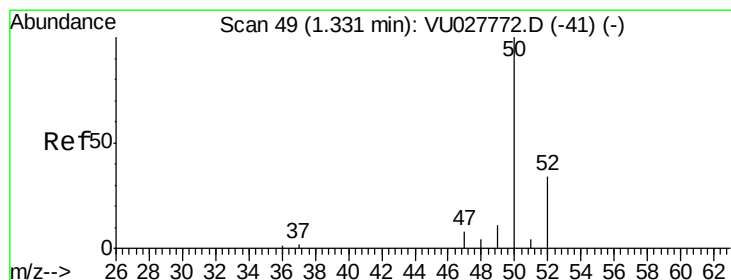
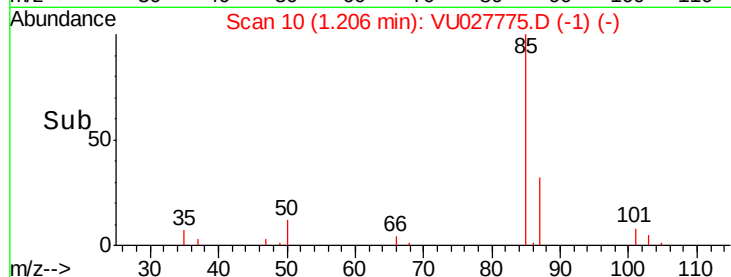
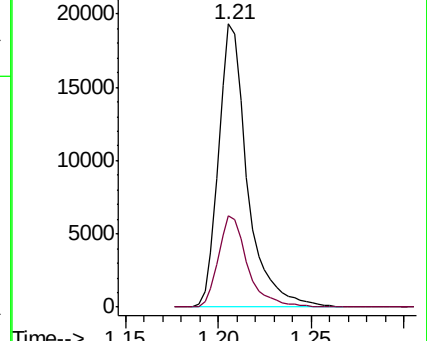
85 100

87 32.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.854 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027775.D

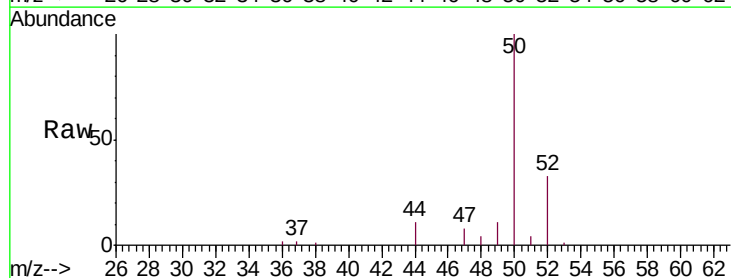
Acq: 24 Oct 2018 10:45

Tgt Ion: 50 Resp: 22694

Ion Ratio Lower Upper

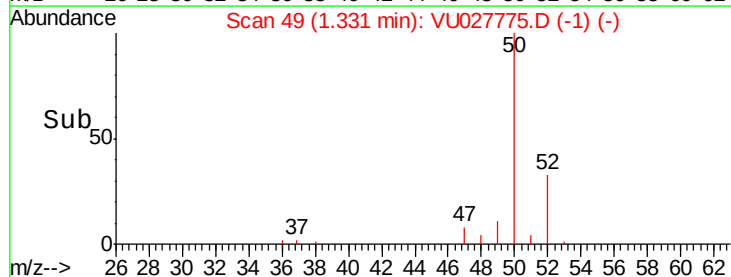
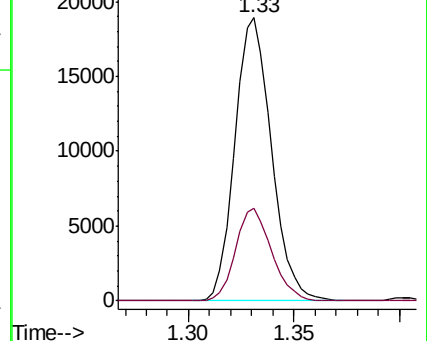
50 100

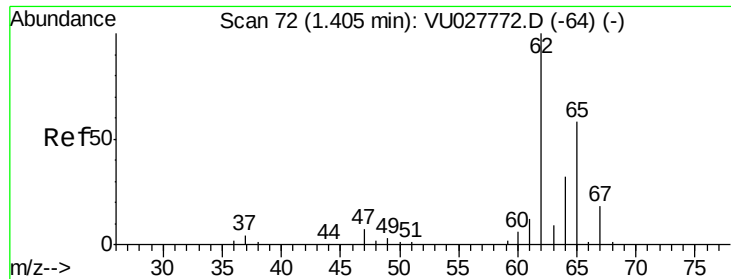
52 32.6 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.833 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

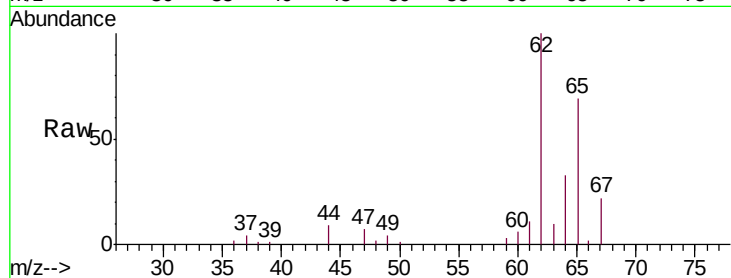
BFB47

Tgt Ion: 62 Resp: 21751

Ion Ratio Lower Upper

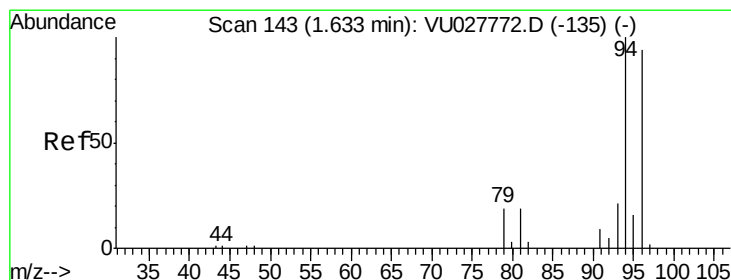
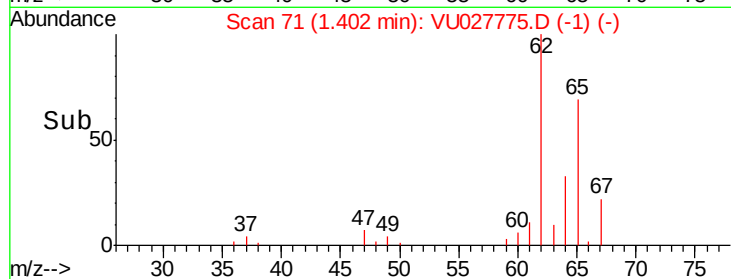
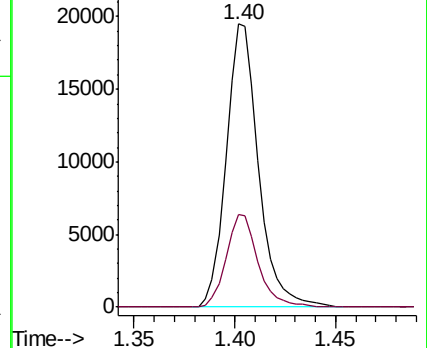
62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.047 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027775.D

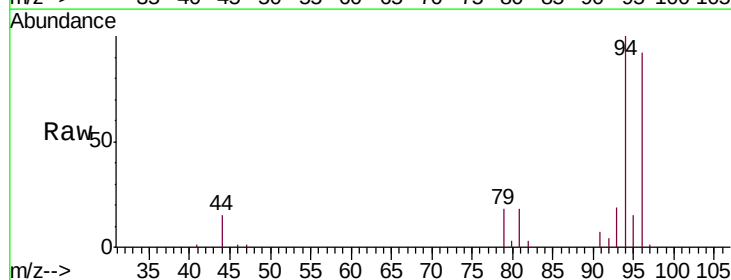
Acq: 24 Oct 2018 10:45

Tgt Ion: 94 Resp: 11642

Ion Ratio Lower Upper

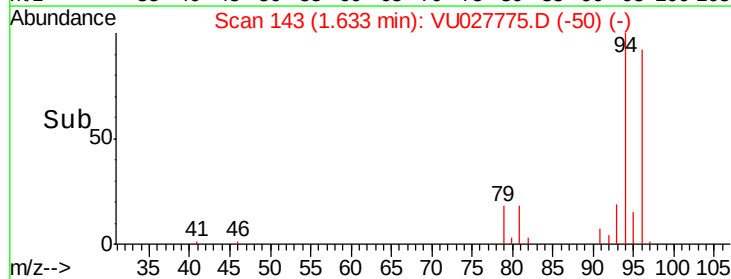
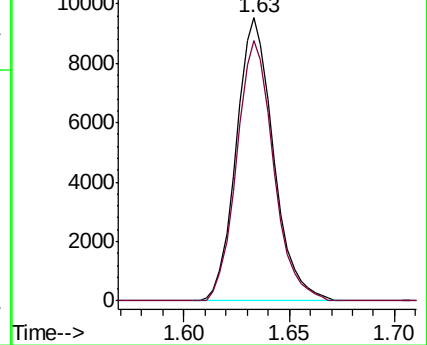
94 100

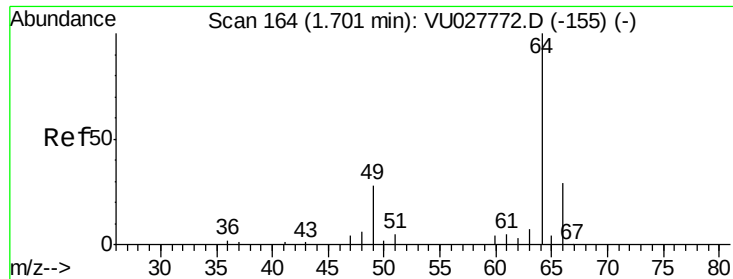
96 92.2 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.971 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

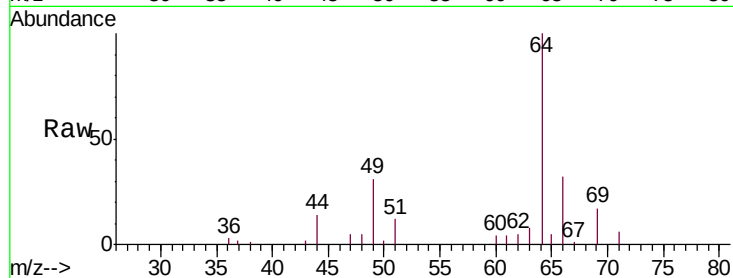
BFB47

Tgt Ion: 64 Resp: 12090

Ion Ratio Lower Upper

64 100

66 32.1 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU027772.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU027775.D (-71) (-)

1.70

10000

8000

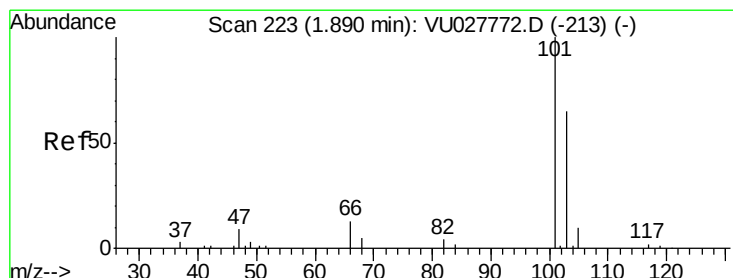
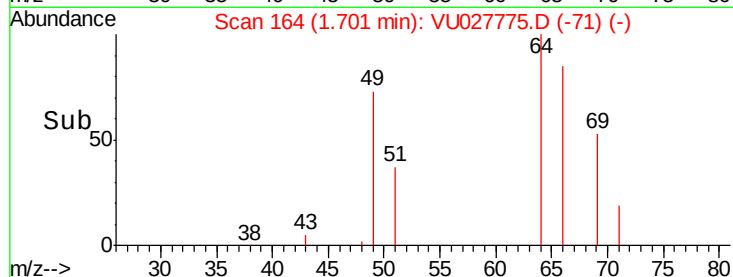
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.972 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027775.D

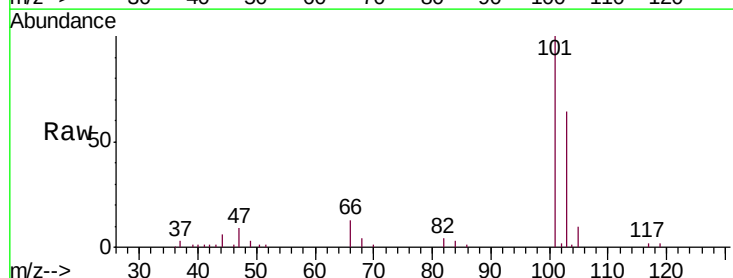
Acq: 24 Oct 2018 10:45

Tgt Ion: 101 Resp: 29577

Ion Ratio Lower Upper

101 100

103 63.9 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027772.D (-213) (-)

Ion 103.00 (102.70 to 103.70): VU027775.D (-130) (-)

1.89

25000

20000

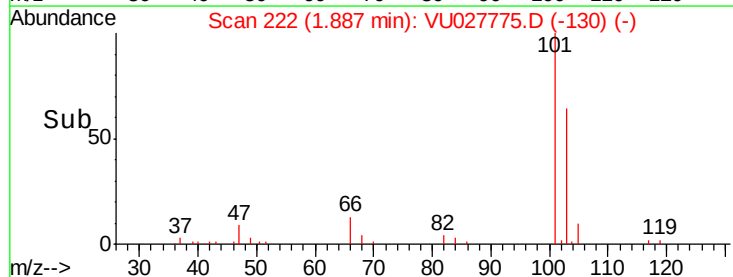
15000

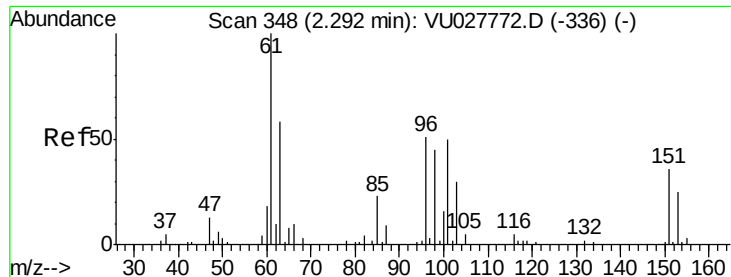
10000

5000

0

Time-->





#10

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

Concen: 5.159 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

BFB47

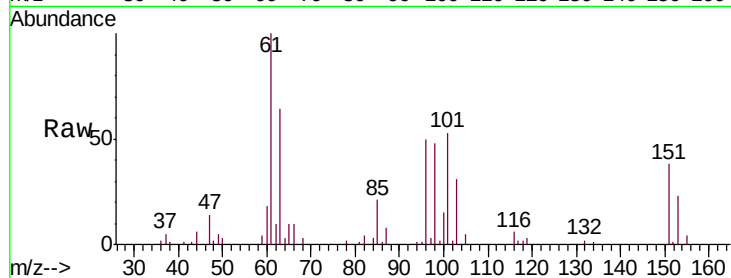
Tgt Ion: 101 Resp: 15492

Ion Ratio Lower Upper

101 100

85 44.1 38.1 57.1

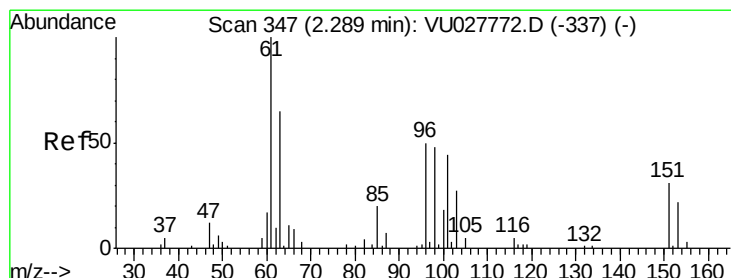
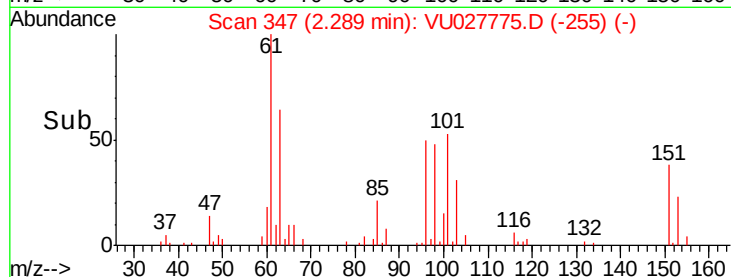
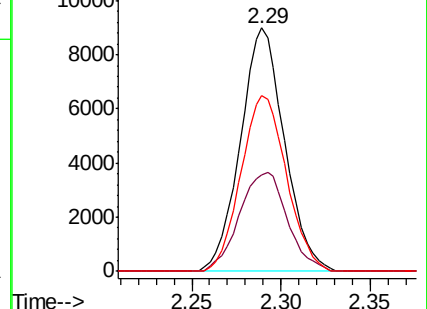
151 74.6 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.726 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

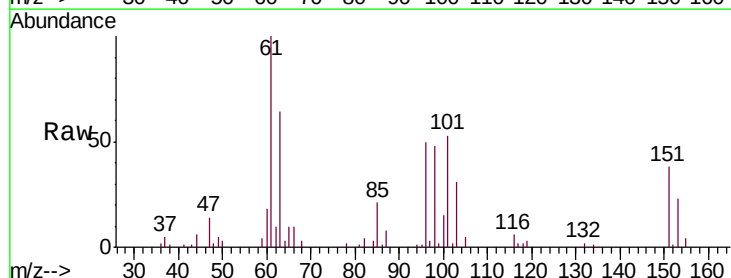
Tgt Ion: 96 Resp: 13226

Ion Ratio Lower Upper

96 100

61 198.3 143.8 267.0

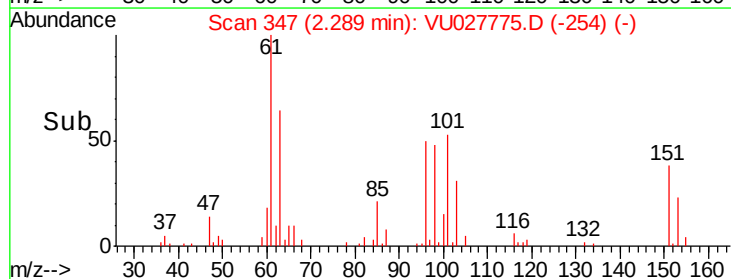
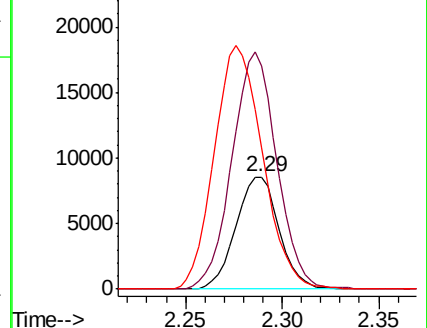
63 126.1 105.1 195.3

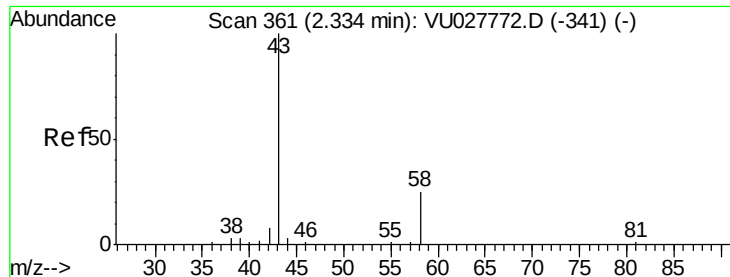


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.494 ug/L

RT: 2.35 min Scan# 367

Delta R.T. 0.02 min

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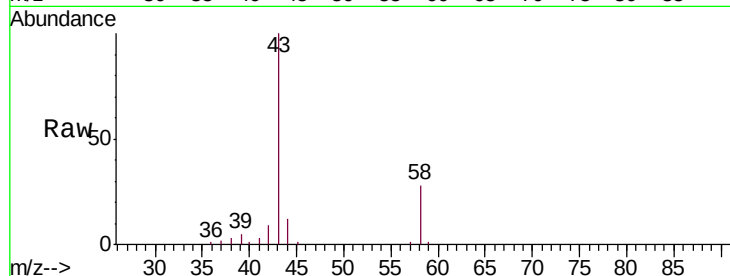
BFB47

Tgt Ion: 43 Resp: 37200

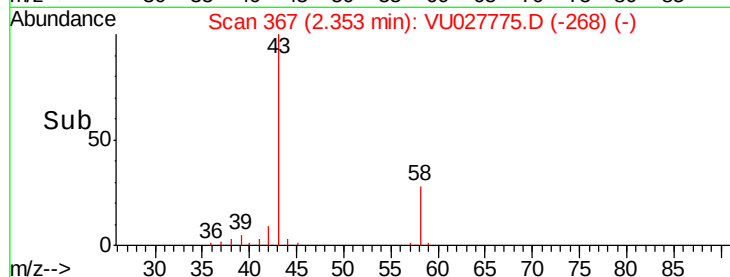
Ion Ratio Lower Upper

43 100

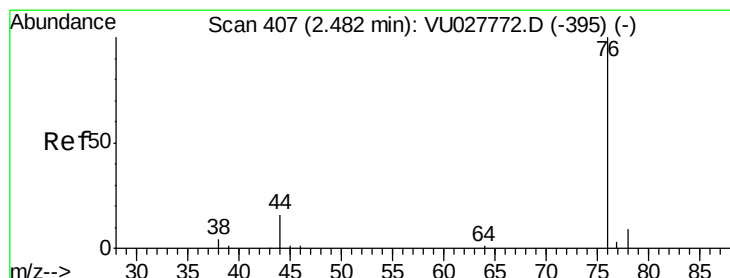
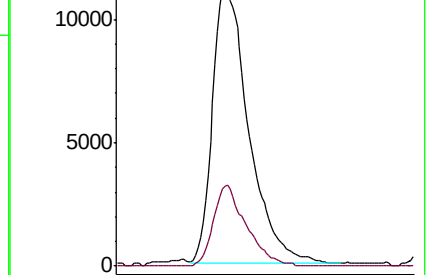
58 26.3 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU027775.D (-268) (-)



Ion 58.05 (57.75 to 58.75): VU027775.D (-268) (-)



#14

Carbon disulfide

Concen: 4.768 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027775.D

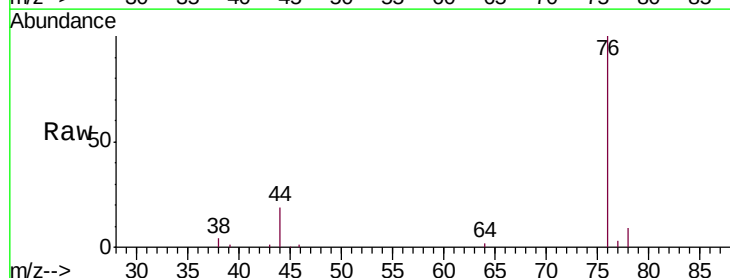
Acq: 24 Oct 2018 10:45

Tgt Ion: 76 Resp: 45802

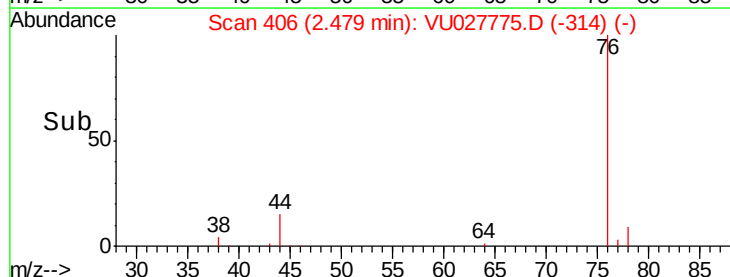
Ion Ratio Lower Upper

76 100

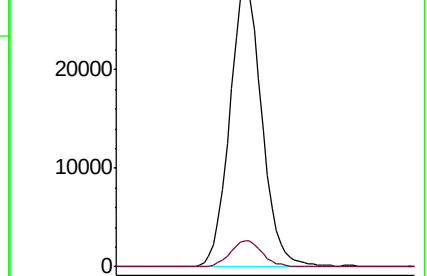
78 9.4 7.4 11.0

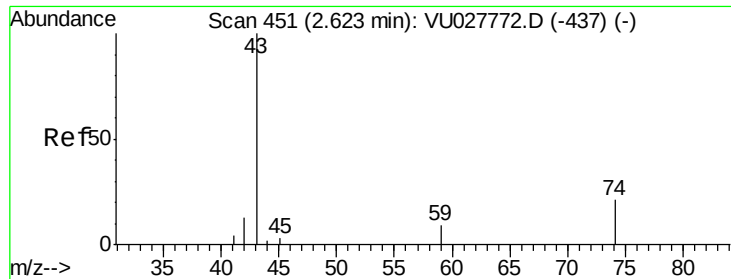


Abundance Ion 76.05 (75.75 to 76.75): VU027775.D (-314) (-)



Ion 78.00 (77.70 to 78.70): VU027775.D (-314) (-)

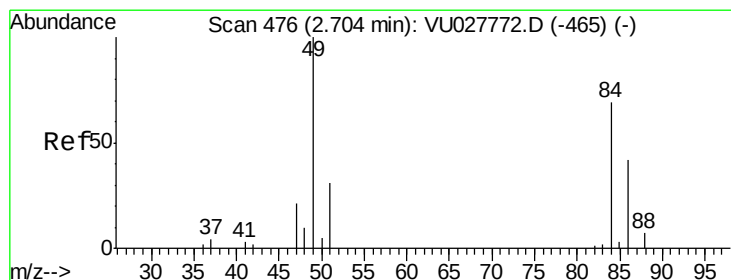
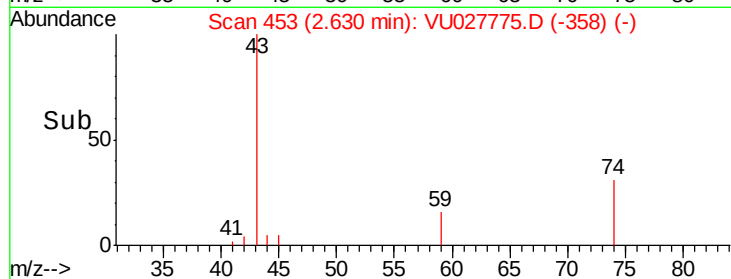
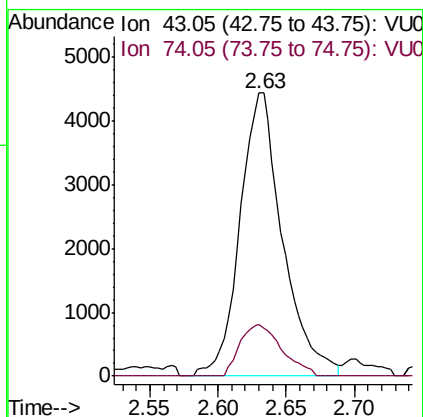
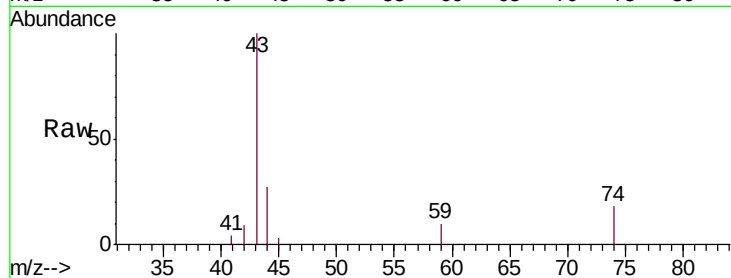




#15
Methyl Acetate
Concen: 4.509 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

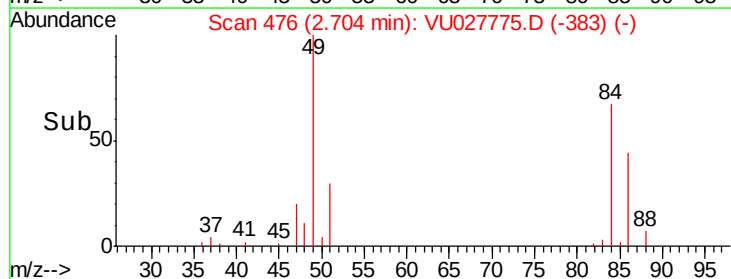
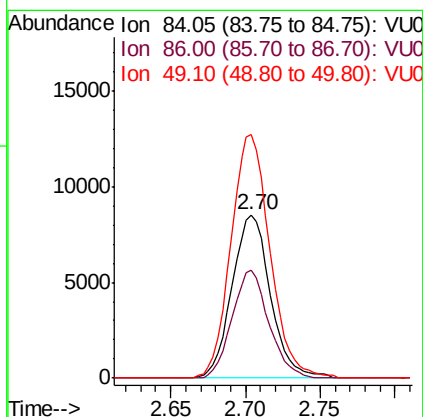
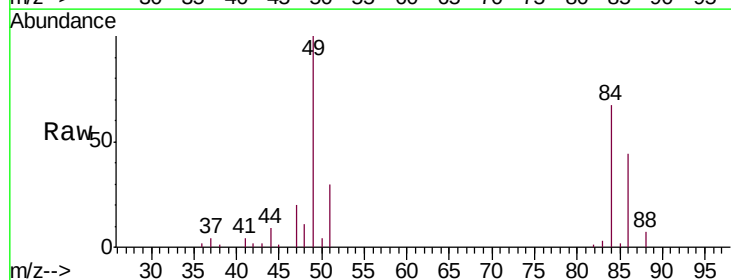
Instrument :
MSVOA_U
ClientSampleId :
BFB47

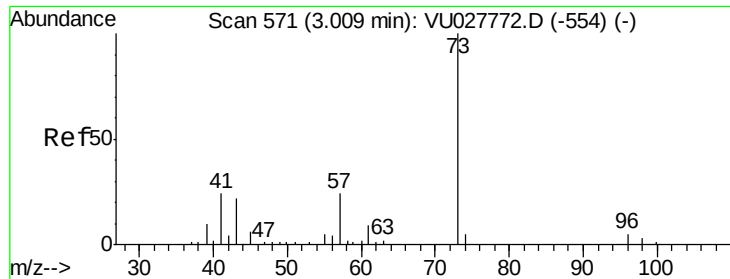
Tgt Ion: 43 Resp: 9677
Ion Ratio Lower Upper
43 100
74 17.8 15.8 23.8



#16
Methylene chloride
Concen: 4.628 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Tgt Ion: 84 Resp: 15275
Ion Ratio Lower Upper
84 100
86 66.3 42.8 79.4
49 149.3 101.4 188.4

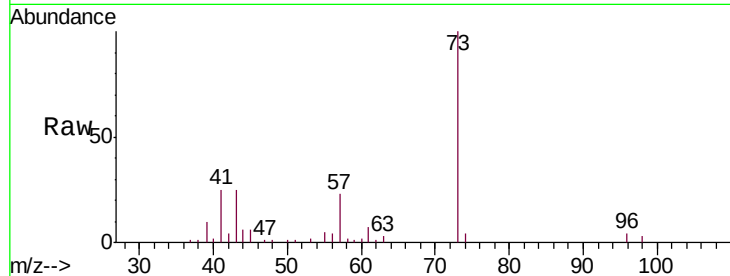




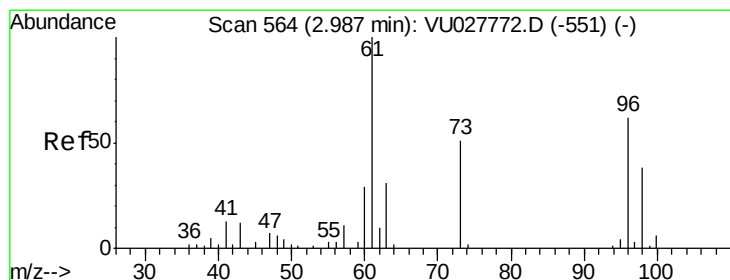
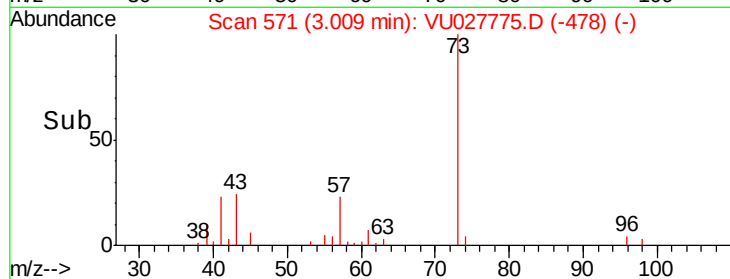
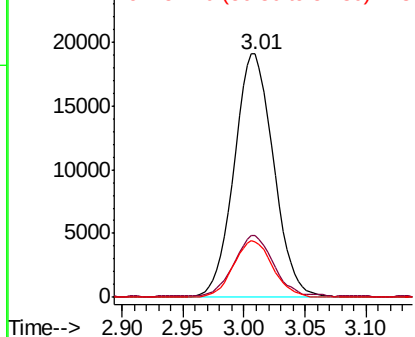
#17
Methyl tert-butyl Ether
Concen: 4.764 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Instrument :
MSVOA_U
ClientSampleId :
BFB47

Tgt Ion: 73 Resp: 42679
Ion Ratio Lower Upper
73 100
43 24.5 18.6 28.0
57 23.1 18.2 27.2

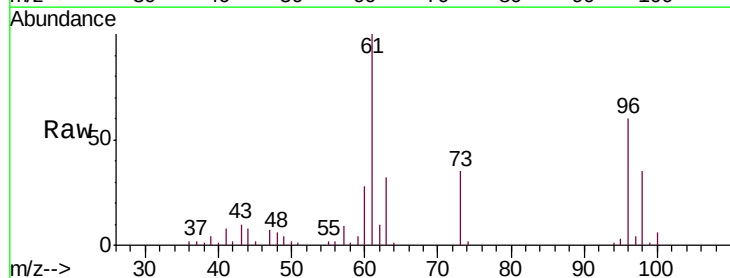


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

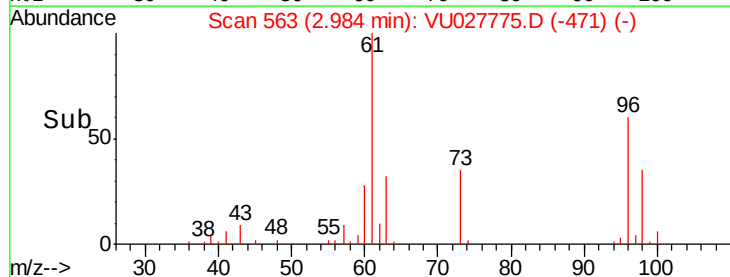
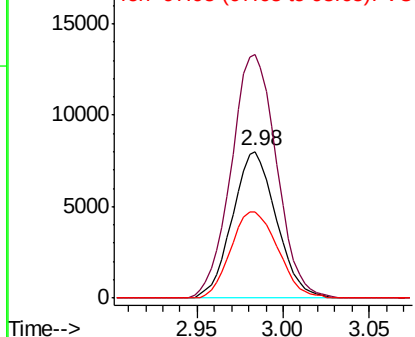


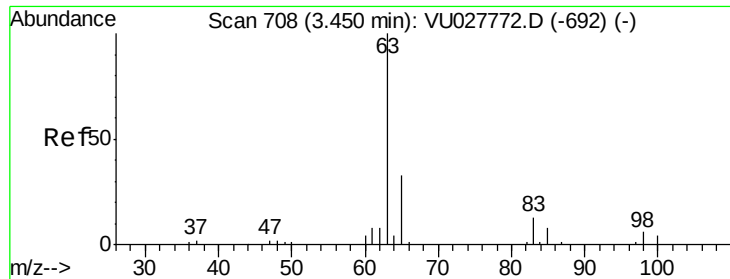
#18
trans-1,2-Dichloroethene
Concen: 4.743 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Tgt Ion: 96 Resp: 14225
Ion Ratio Lower Upper
96 100
61 166.2 112.1 208.3
98 58.5 42.1 78.3



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

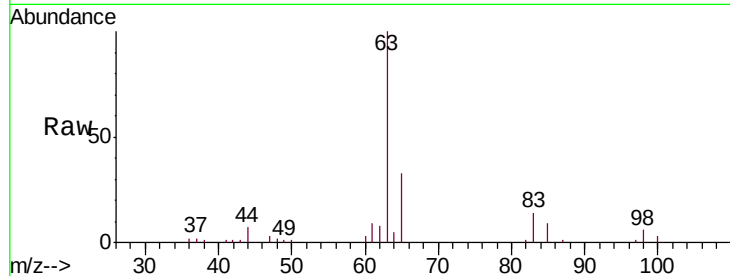




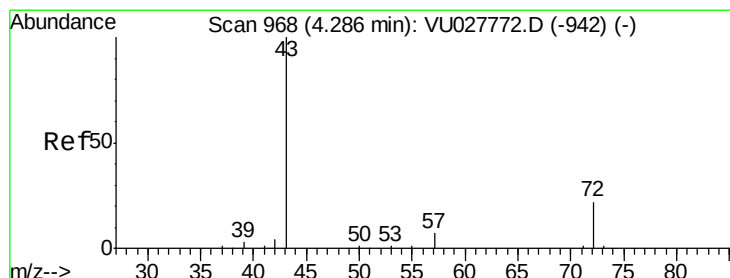
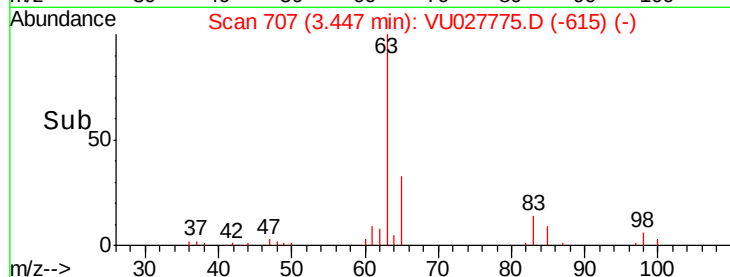
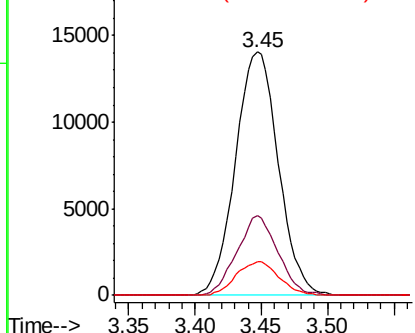
#19
 1,1-Dichloroethane
 Concen: 4.771 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB47

Tgt Ion: 63 Resp: 31637
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.1 42.9
 83 13.9 9.2 17.0

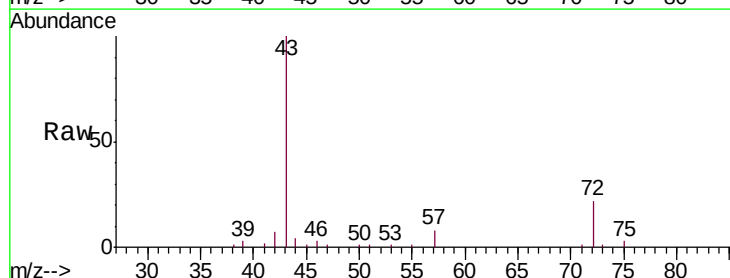


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

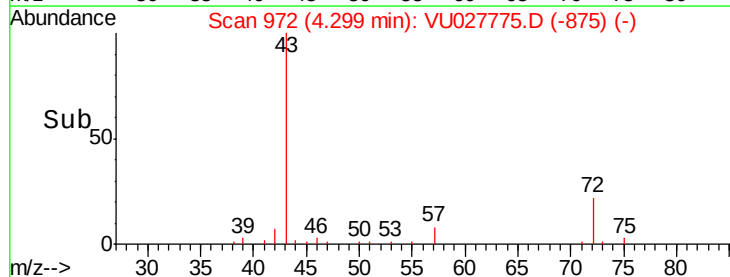
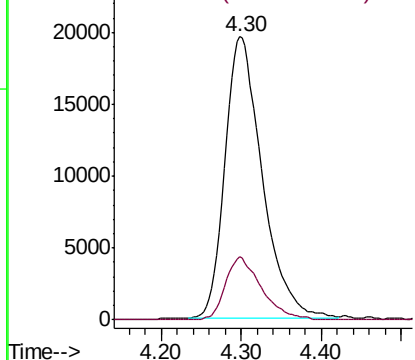


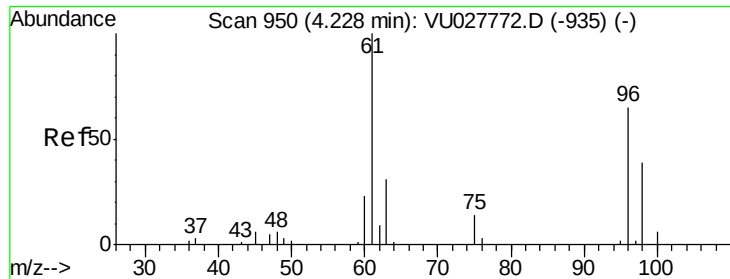
#21
 2-Butanone
 Concen: 49.223 ug/L
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Tgt Ion: 43 Resp: 61955
 Ion Ratio Lower Upper
 43 100
 72 21.6 10.5 31.6



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





#22

cis-1,2-Dichloroethene

Concen: 4.710 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

BFB47

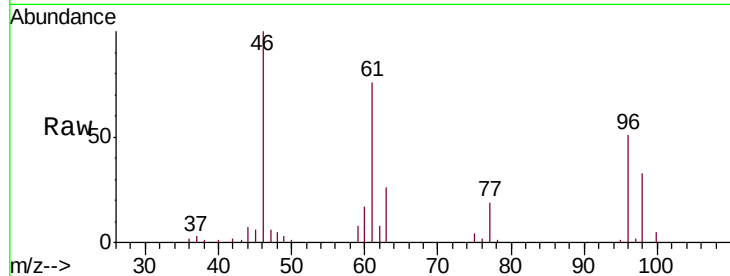
Tgt Ion: 96 Resp: 16778

Ion Ratio Lower Upper

96 100

61 148.6 107.2 199.0

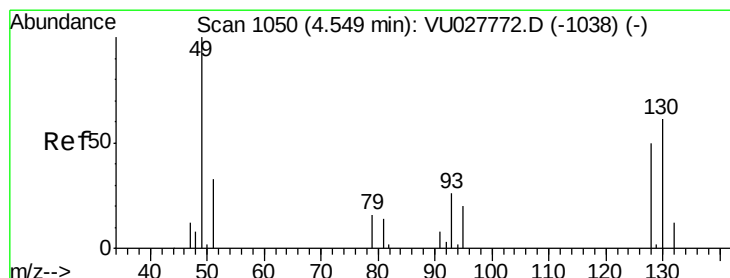
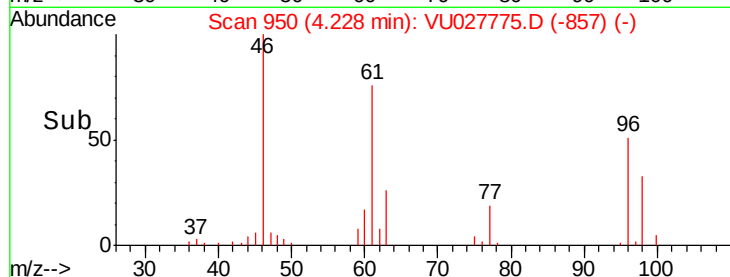
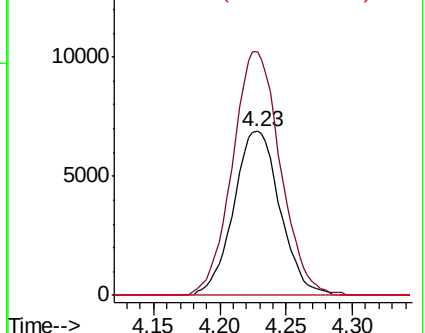
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.751 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Tgt Ion: 128 Resp: 6861

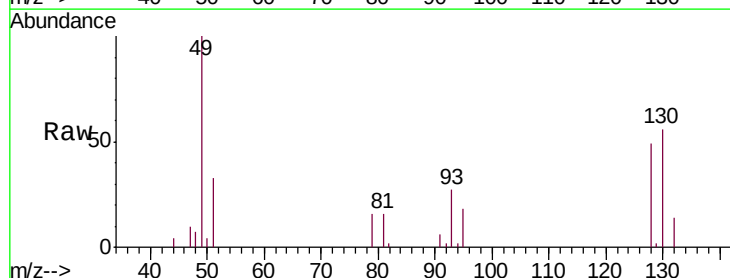
Ion Ratio Lower Upper

128 100

49 205.7 142.8 265.2

130 116.0 86.0 159.8

51 68.5 52.6 79.0

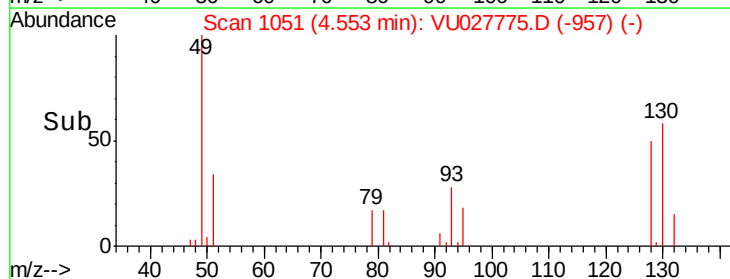
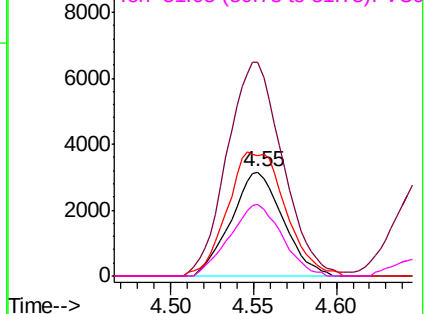


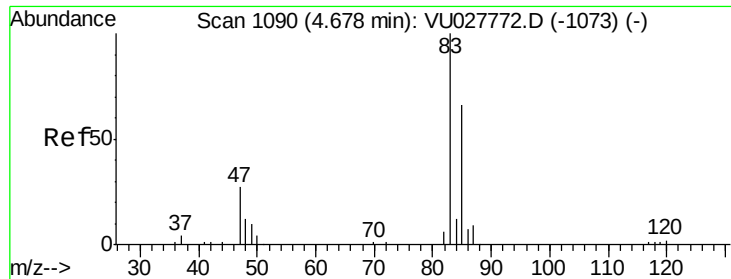
Abundance Ion 127.90 (127.60 to 128.60): V

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

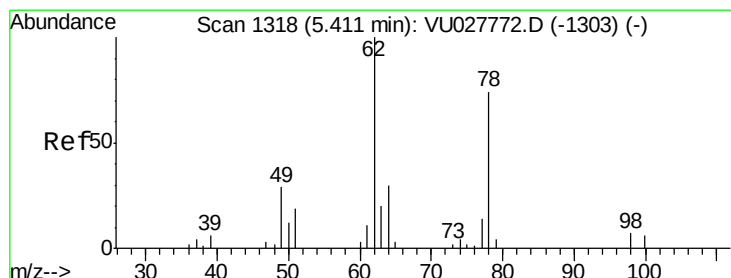
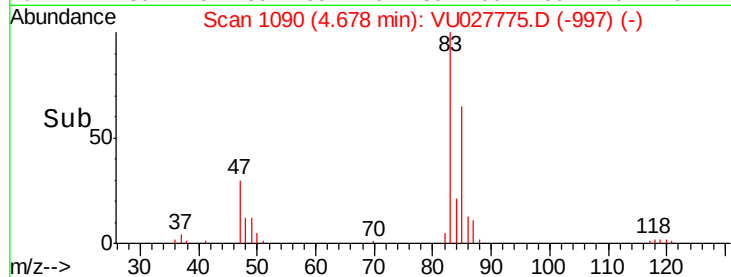
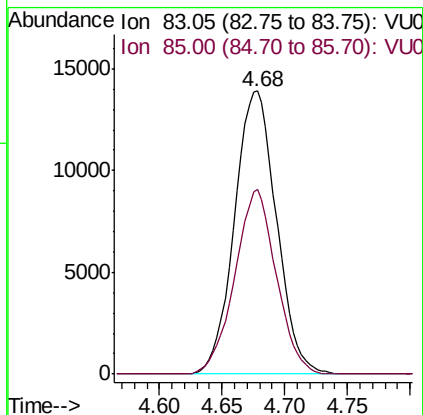
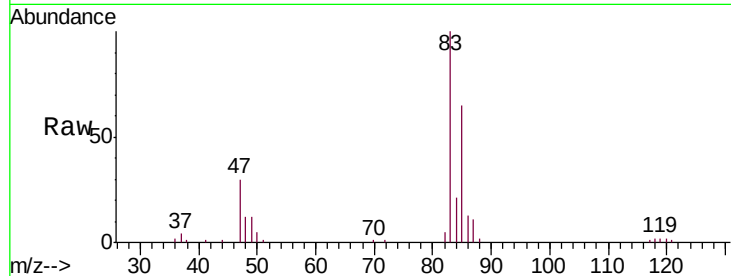




#25
Chloroform
Concen: 4.840 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

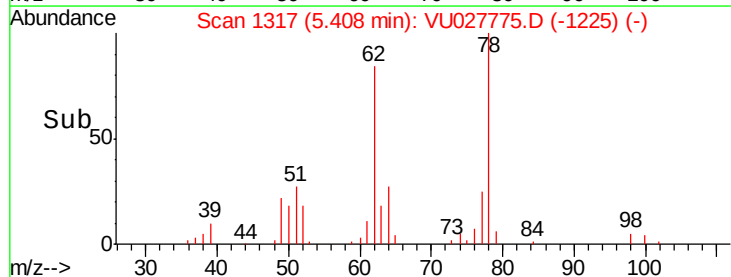
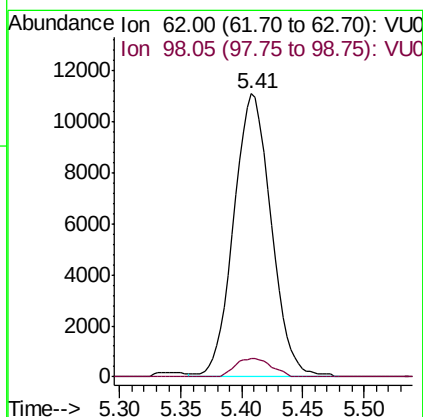
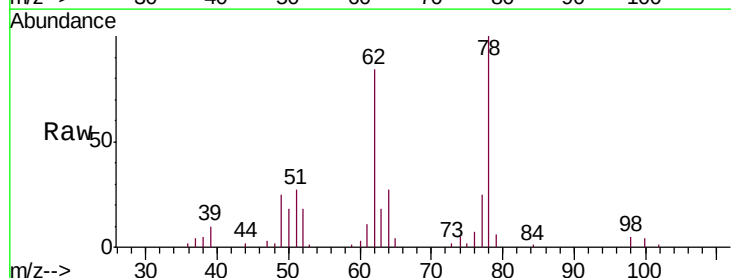
Instrument :
MSVOA_U
ClientSampleId :
BFB47

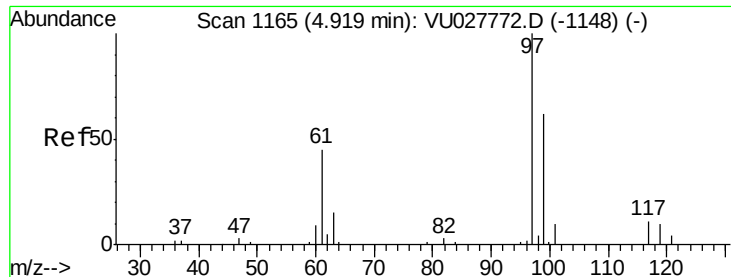
Tgt Ion: 83 Resp: 32319
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.806 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Tgt Ion: 62 Resp: 23706
Ion Ratio Lower Upper
62 100
98 6.4 5.7 8.5

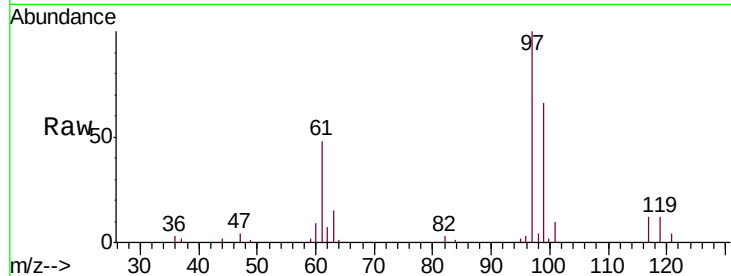




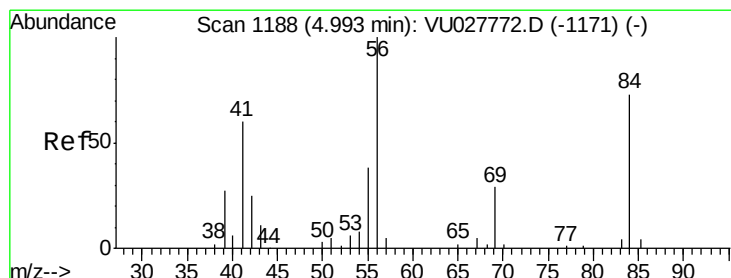
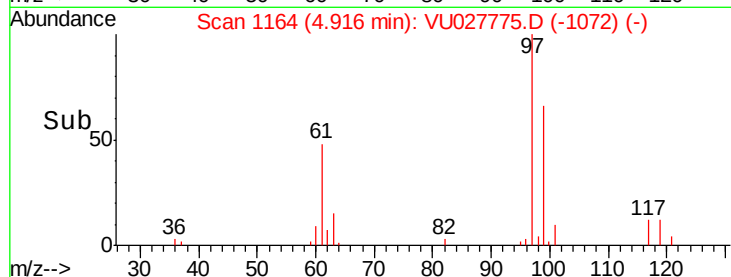
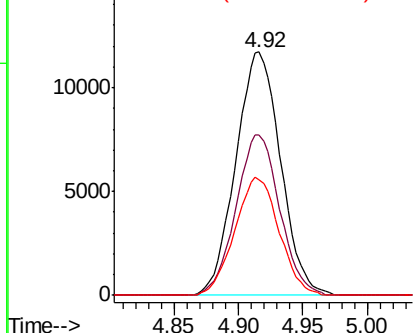
#29
 1,1,1-Trichloroethane
 Concen: 4.746 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB47

Tgt Ion: 97 Resp: 28371
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.3 76.9
 61 47.8 36.7 55.1

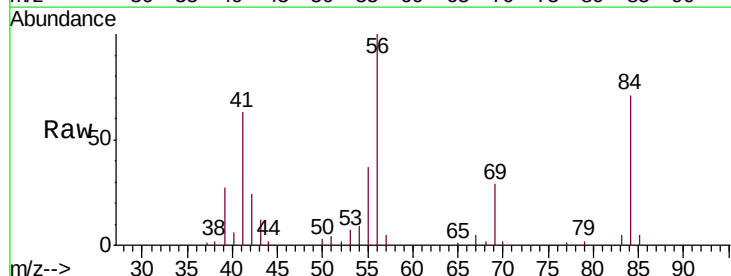


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

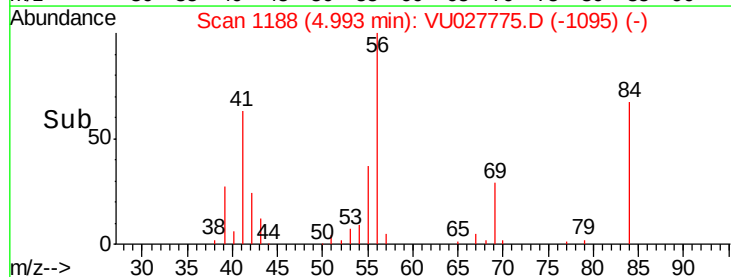
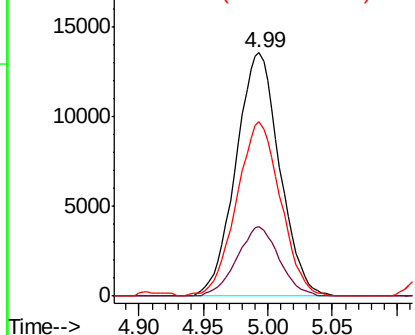


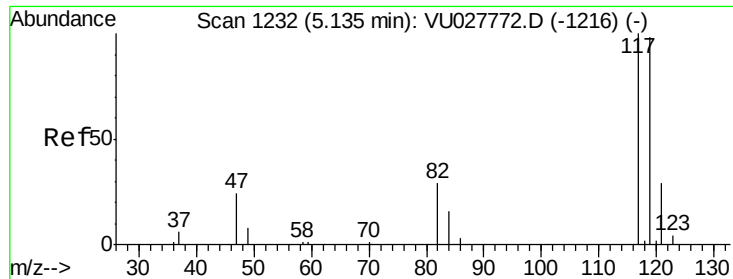
#30
 Cyclohexane
 Concen: 4.770 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Tgt Ion: 56 Resp: 31943
 Ion Ratio Lower Upper
 56 100
 69 27.5 22.2 33.4
 84 72.0 58.6 88.0



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





#31

Carbon tetrachloride

Concen: 4.913 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

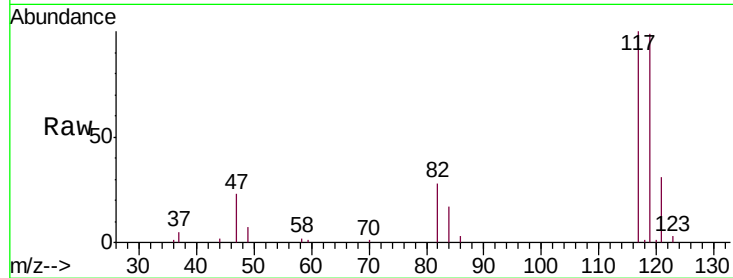
BFB47

Tgt Ion:117 Resp: 25204

Ion Ratio Lower Upper

117 100

119 95.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

12000

10000

8000

6000

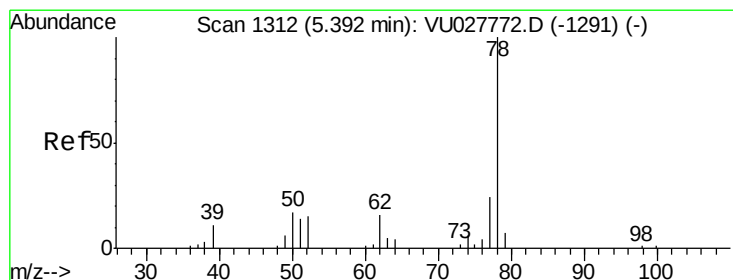
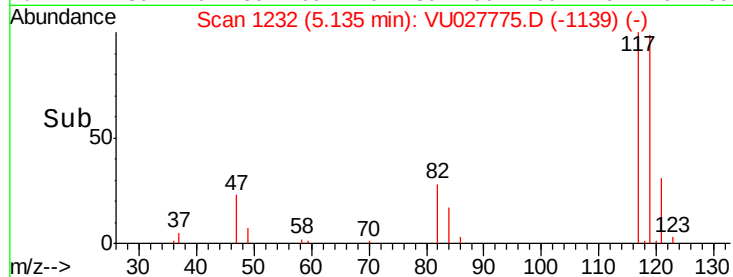
4000

2000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.864 ug/L

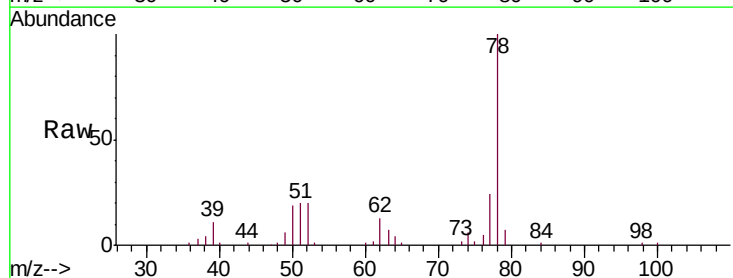
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Tgt Ion: 78 Resp: 67178



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.39

30000

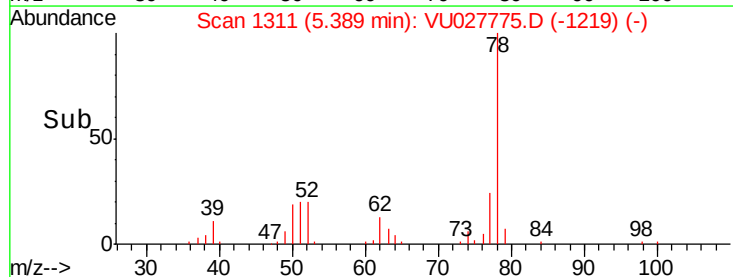
20000

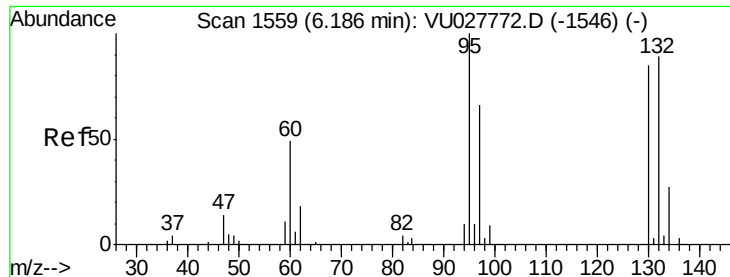
10000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 4.992 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

BFB47

Tgt Ion: 95 Resp: 17863

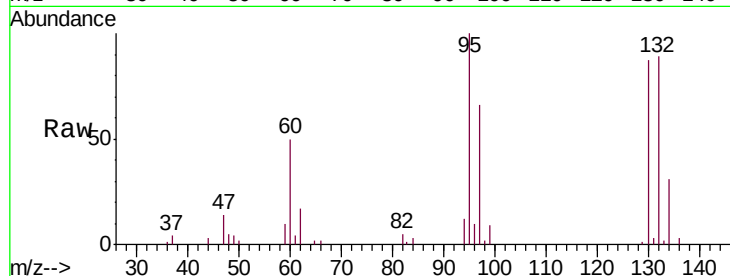
Ion Ratio Lower Upper

95 100

97 65.9 46.4 86.2

132 88.6 62.0 115.2

130 87.4 59.5 110.5

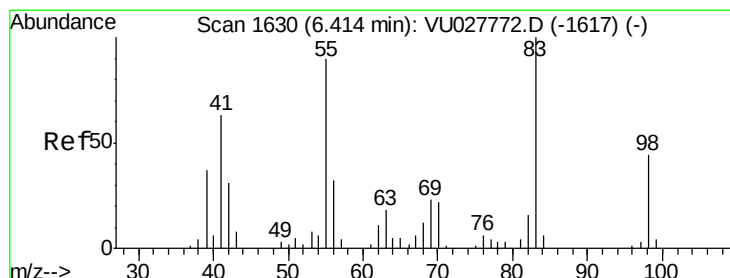
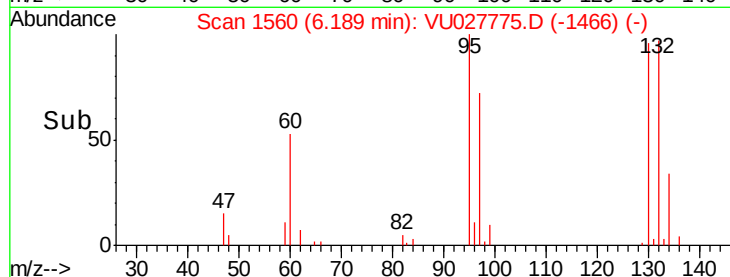
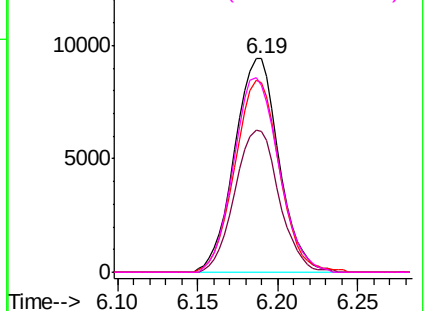


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.946 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

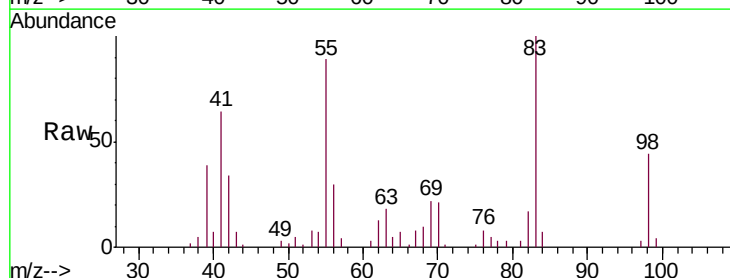
Tgt Ion: 83 Resp: 29578

Ion Ratio Lower Upper

83 100

55 92.8 71.5 107.3

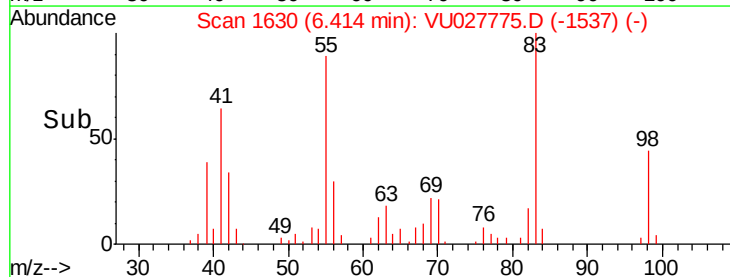
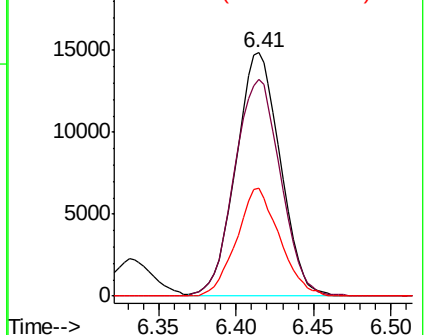
98 43.1 35.4 53.0

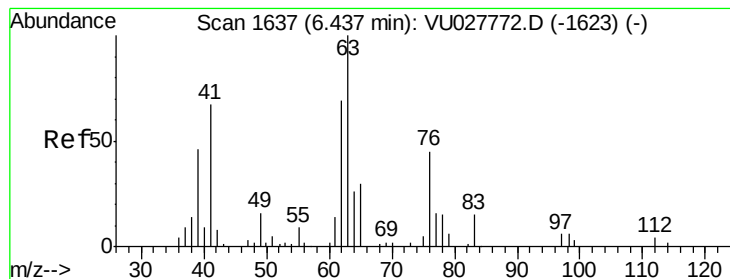


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.776 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

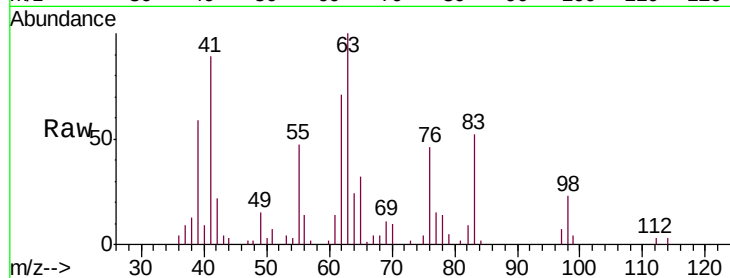
BFB47

Tgt Ion: 63 Resp: 19369

Ion Ratio Lower Upper

63 100

112 2.7 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU027772.D (-1623) (-)

Ion 112.10 (111.80 to 112.80): VU027772.D (-1623) (-)

6.43

10000

8000

6000

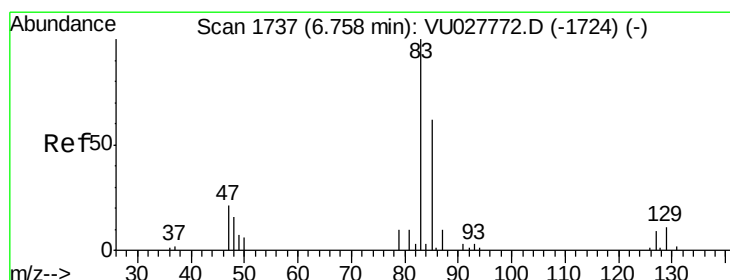
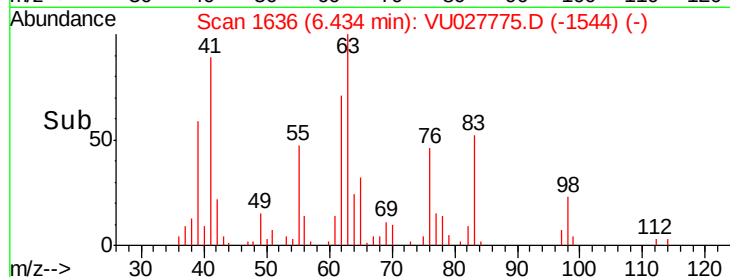
4000

2000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.873 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

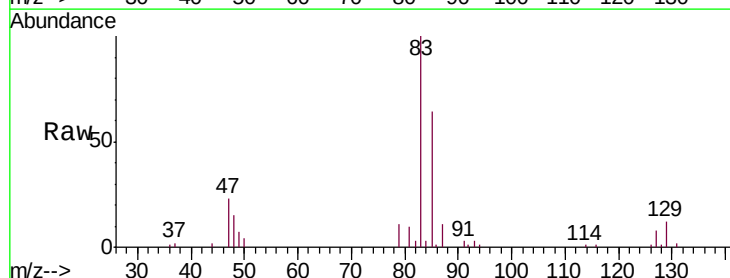
Tgt Ion: 83 Resp: 23598

Ion Ratio Lower Upper

83 100

85 63.9 43.3 80.5

127 8.2 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VU027772.D (-1724) (-)

Ion 85.00 (84.70 to 85.70): VU027772.D (-1724) (-)

Ion 126.90 (126.60 to 127.60): VU027772.D (-1724) (-)

6.76

15000

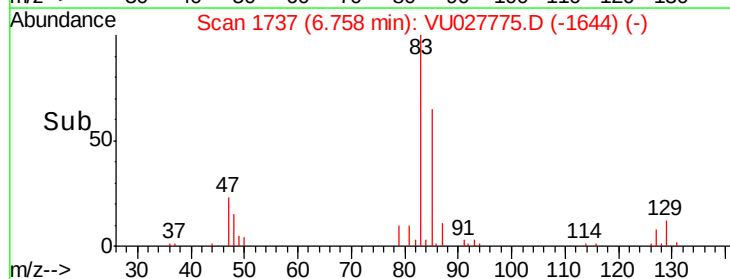
10000

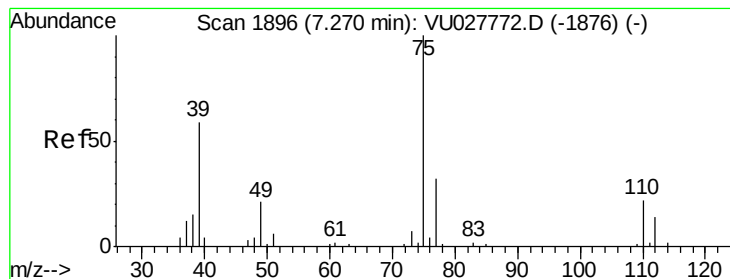
5000

0

6.70 6.75 6.80

Time-->



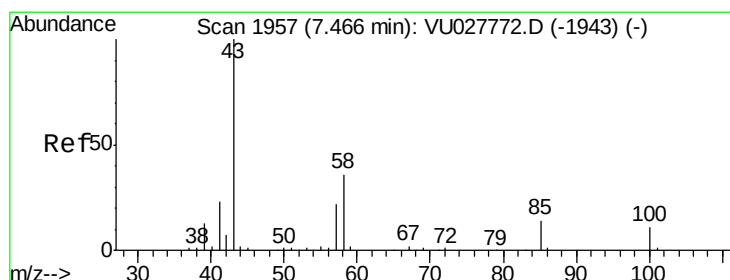
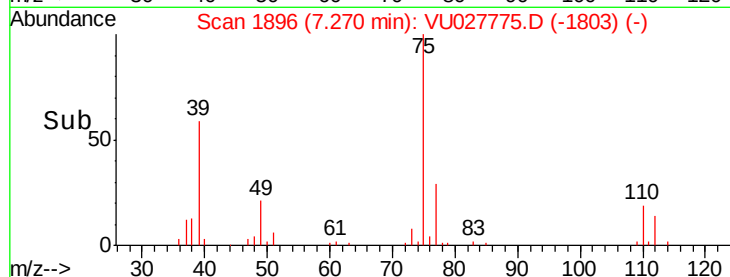
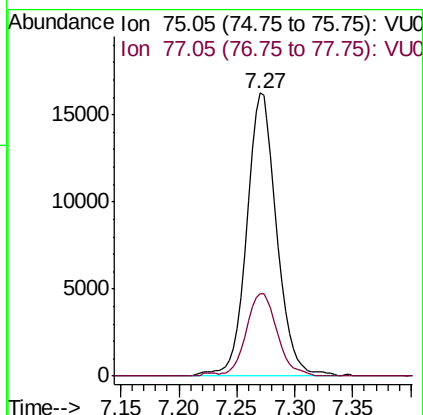
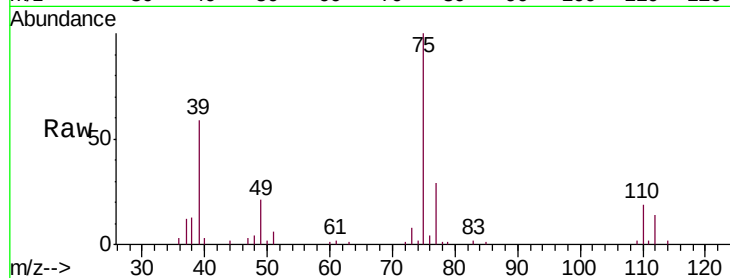


#39

cis-1,3-Dichloropropene
 Concen: 5.048 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB47

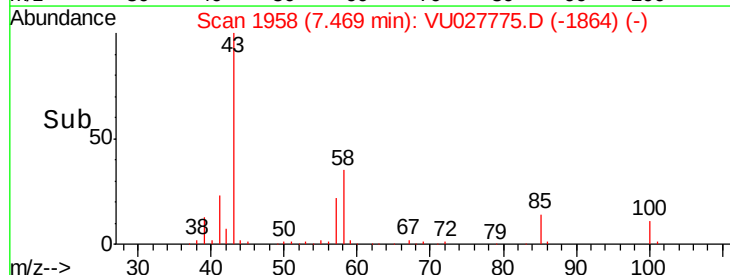
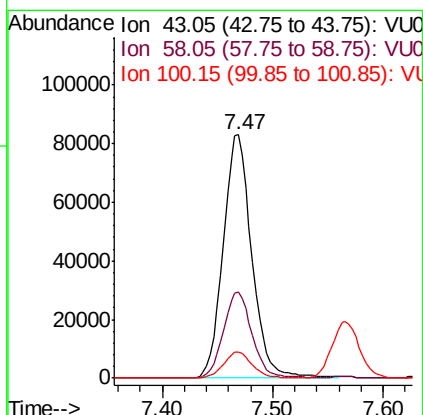
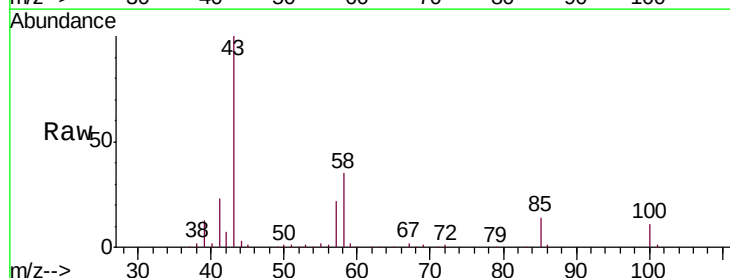
Tgt Ion: 75 Resp: 29322
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.5 41.7

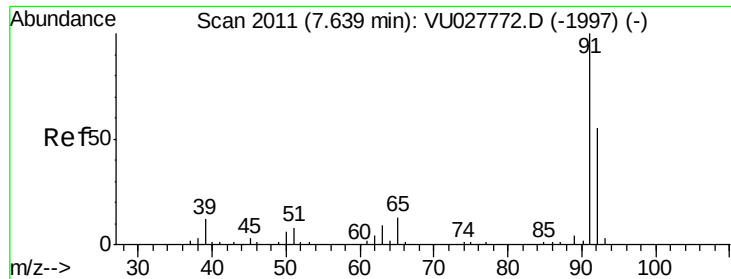


#40

4-Methyl-2-pentanone
 Concen: 49.214 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Tgt Ion: 43 Resp: 149212
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.1 42.1
 100 10.7 8.7 13.1





#42

Toluene

Concen: 4.913 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

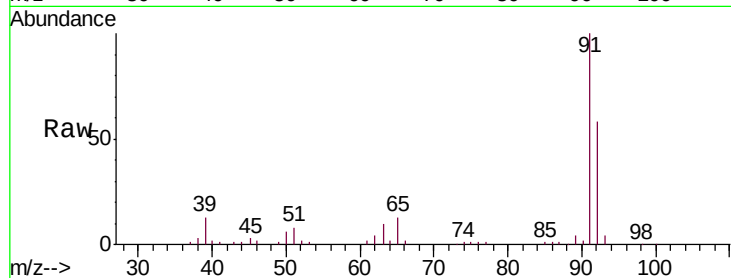
BFB47

Tgt Ion: 91 Resp: 73049

Ion Ratio Lower Upper

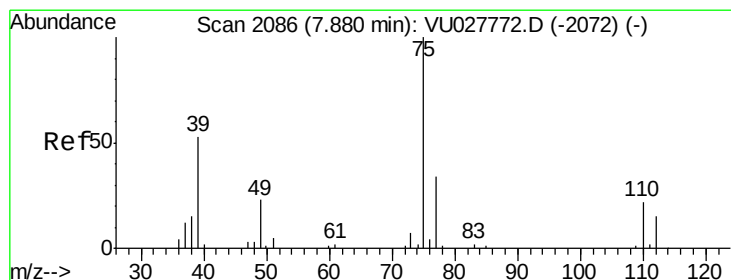
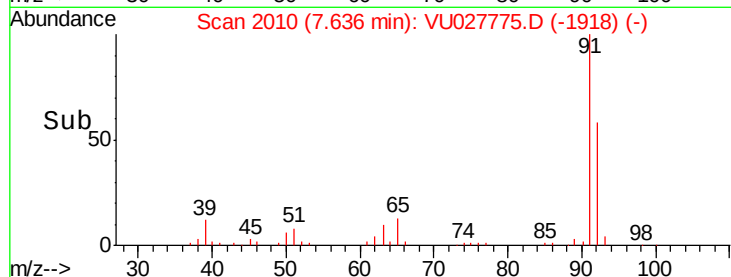
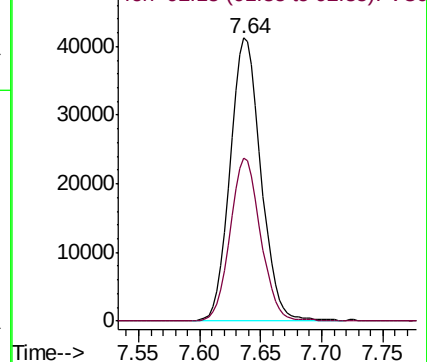
91 100

92 57.8 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.971 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027775.D

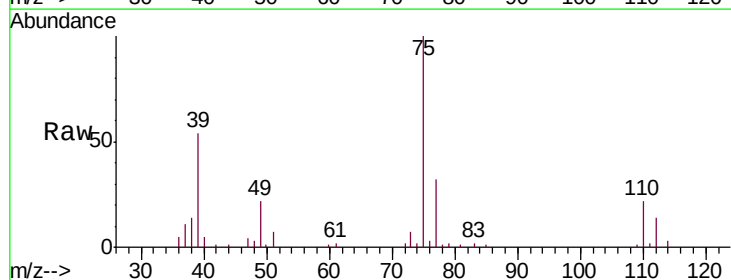
Acq: 24 Oct 2018 10:45

Tgt Ion: 75 Resp: 24316

Ion Ratio Lower Upper

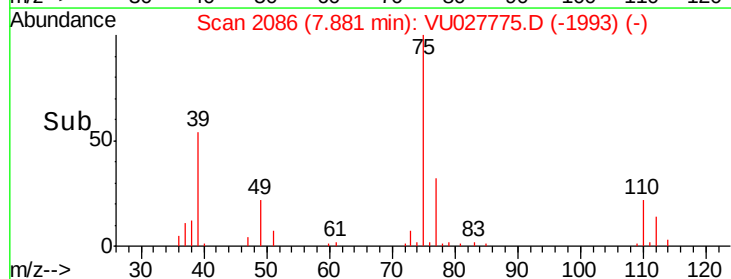
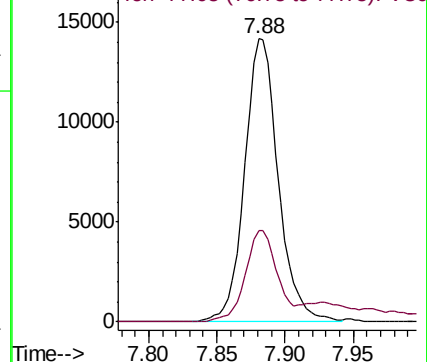
75 100

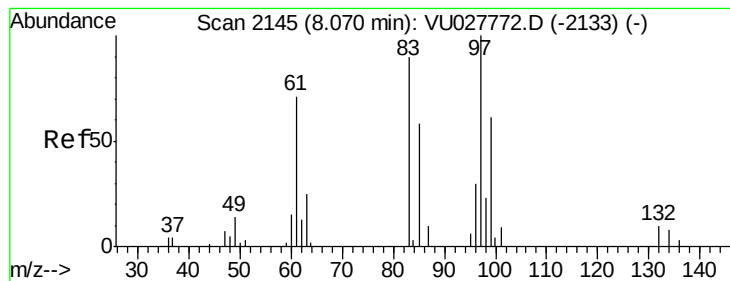
77 32.4 23.5 43.7



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: 5.002 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampled :

BFB47

Tgt Ion: 97 Resp: 12243

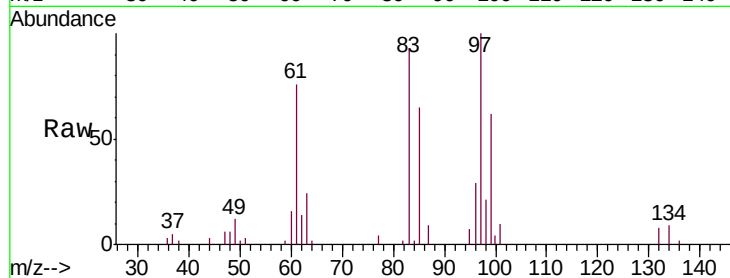
Ion Ratio Lower Upper

97 100

99 61.9 42.8 79.6

83 93.0 62.9 116.9

85 65.2 40.8 75.8

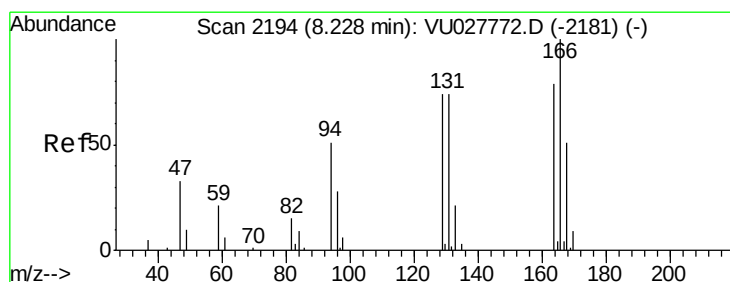
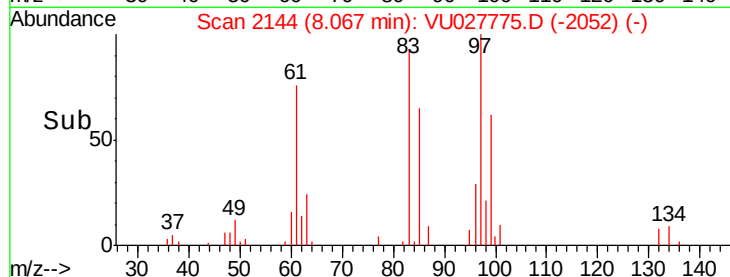
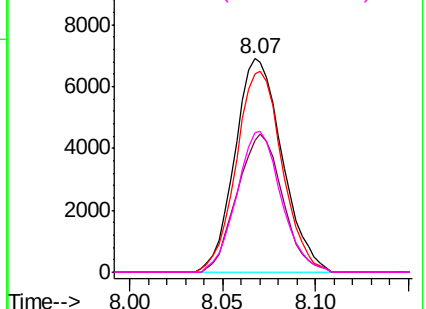


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.782 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Tgt Ion: 164 Resp: 13900

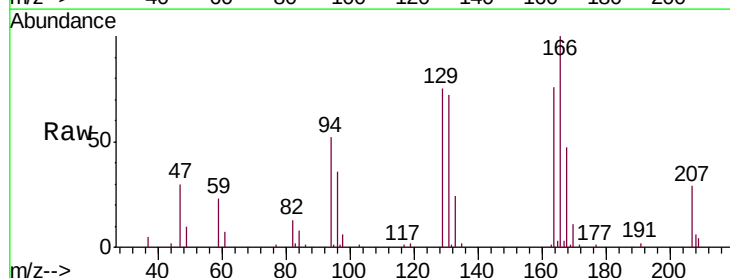
Ion Ratio Lower Upper

164 100

129 98.2 65.6 121.8

131 94.3 65.0 120.8

166 131.8 88.3 164.1

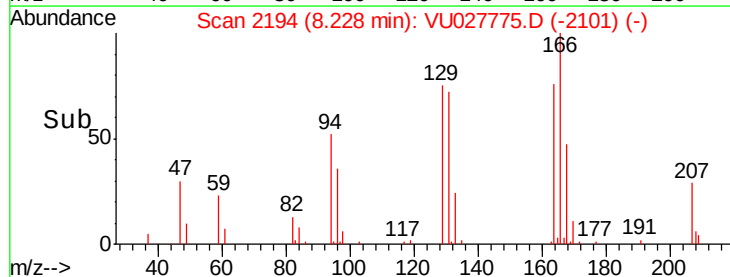
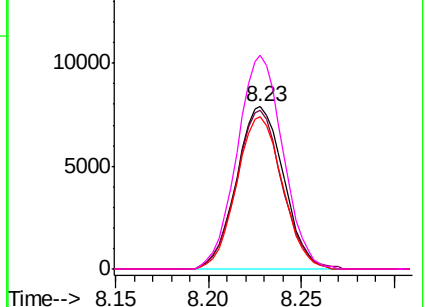


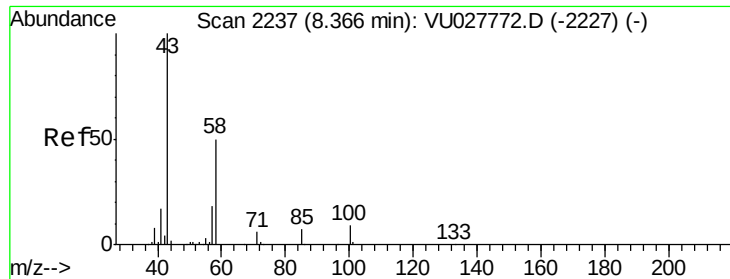
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

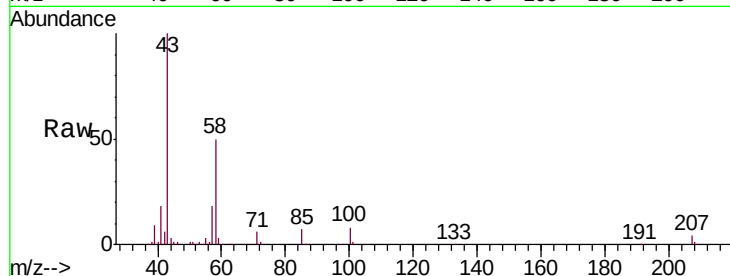




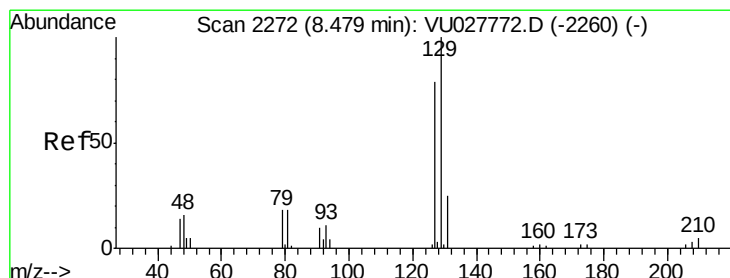
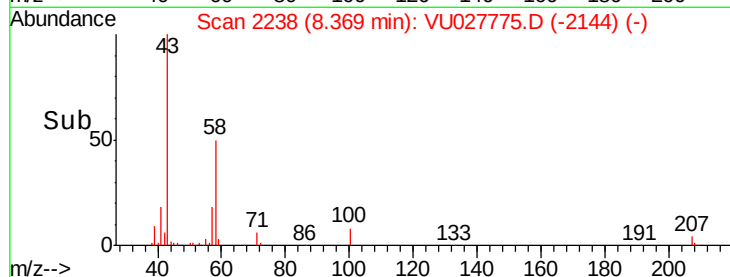
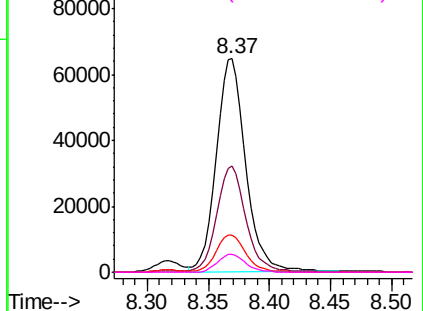
#48
2-Hexanone
Concen: 50.949 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Instrument :
MSVOA_U
ClientSampleId :
BFB47

Tgt Ion:	43	Resp:	109760
Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.4	59.0
57	17.9	13.8	20.8
100	8.1	6.7	10.1

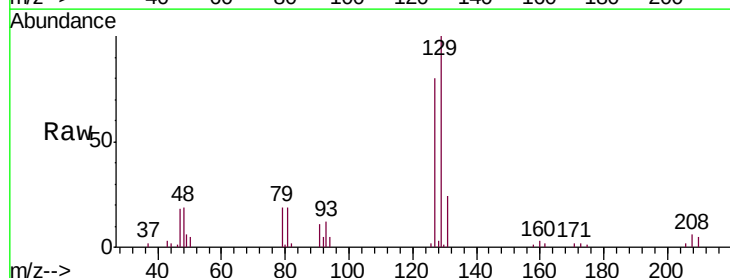


Abundance Ion 43.05 (42.75 to 43.75): VU027775.D (-2144) (-)
Ion 58.05 (57.75 to 58.75): VU027775.D (-2144) (-)
Ion 57.20 (56.90 to 57.90): VU027775.D (-2144) (-)
Ion 100.15 (99.85 to 100.85): VU027775.D (-2144) (-)

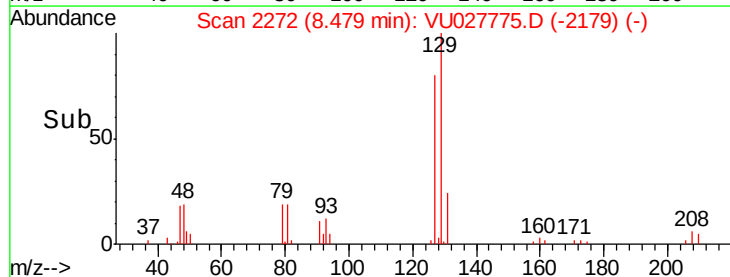
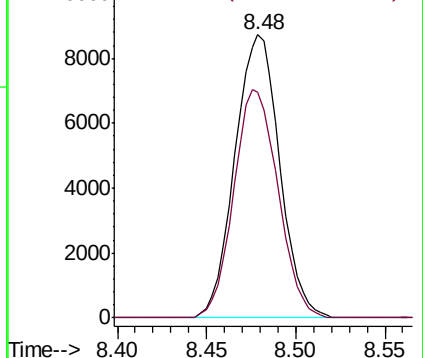


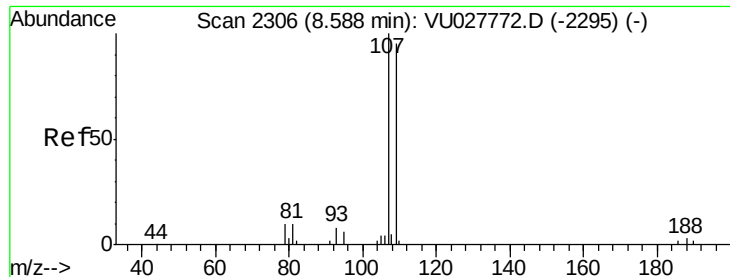
#49
Dibromochloromethane
Concen: 4.890 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Tgt Ion:	129	Resp:	15250
Ion	Ratio	Lower	Upper
129	100		
127	79.5	55.2	102.4



Abundance Ion 128.95 (128.65 to 129.65): VU027775.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027775.D (-2179) (-)

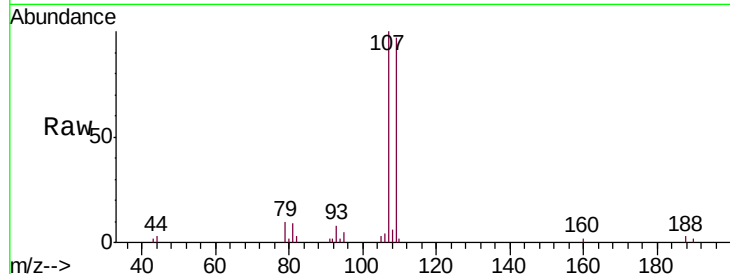




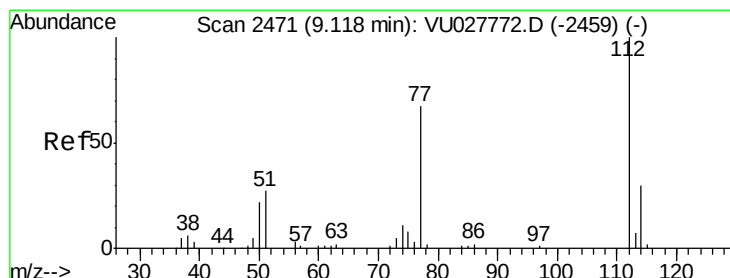
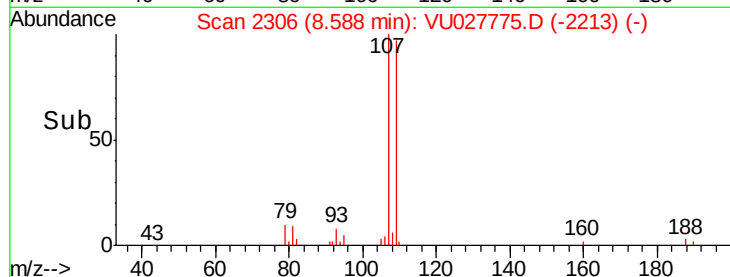
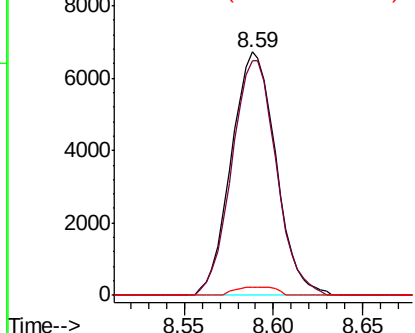
#50
1,2-Dibromoethane
Concen: 4.919 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Instrument :
MSVOA_U
ClientSampleId :
BFB47

Tgt Ion:107 Resp: 11702
Ion Ratio Lower Upper
107 100
109 96.6 66.3 123.1
188 3.3 2.6 3.8

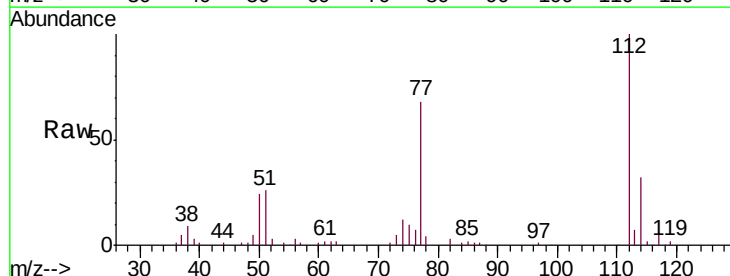


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

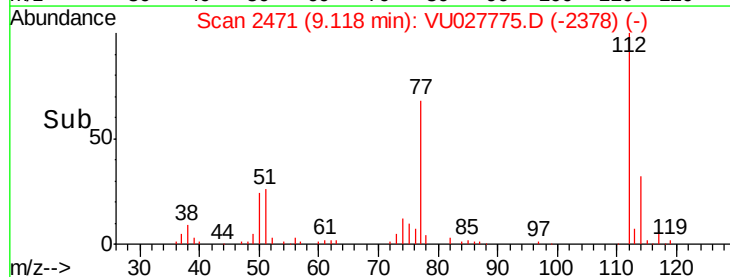
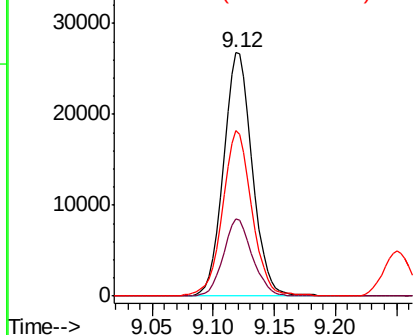


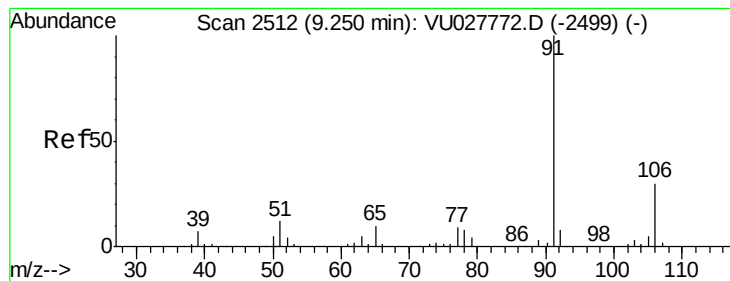
#51
Chlorobenzene
Concen: 4.863 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Tgt Ion:112 Resp: 44511
Ion Ratio Lower Upper
112 100
114 31.8 21.2 39.4
77 67.7 54.2 81.4



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





#52

Ethylbenzene

Concen: 4.893 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

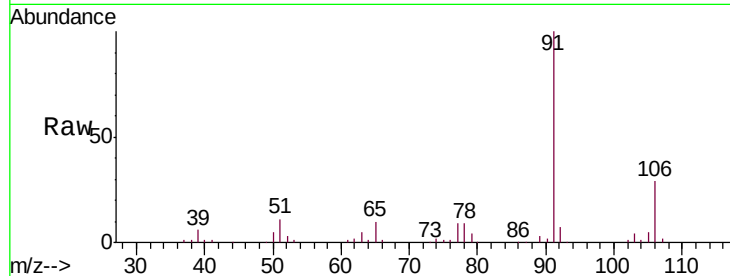
BFB47

Tgt Ion: 91 Resp: 84390

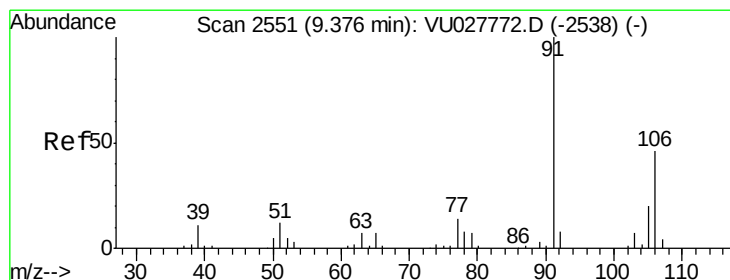
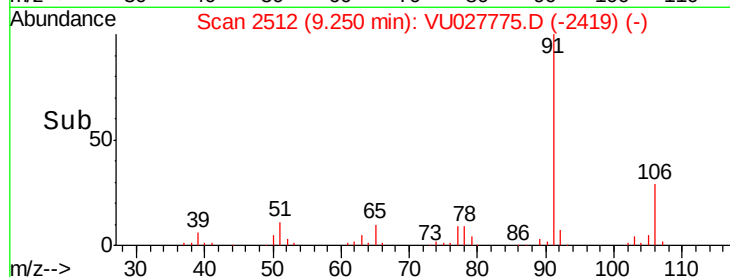
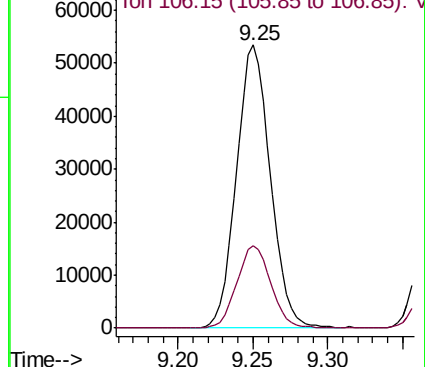
Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027772.D (-2499) (-)



#53

m,p-xylene

Concen: 4.930 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027775.D

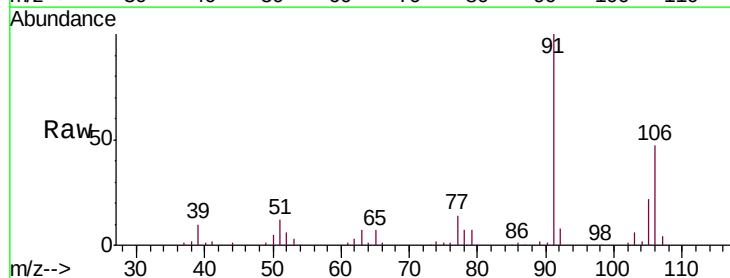
Acq: 24 Oct 2018 10:45

Tgt Ion: 106 Resp: 30116

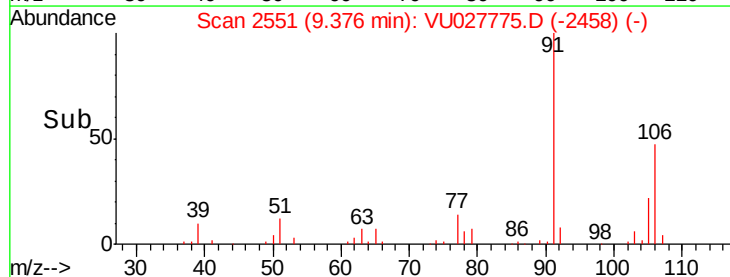
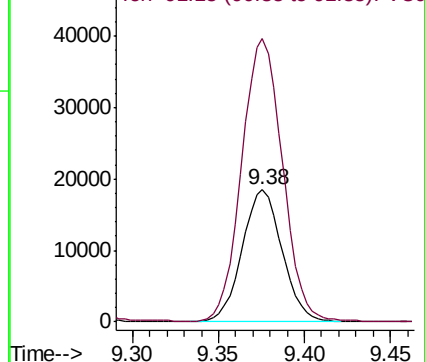
Ion Ratio Lower Upper

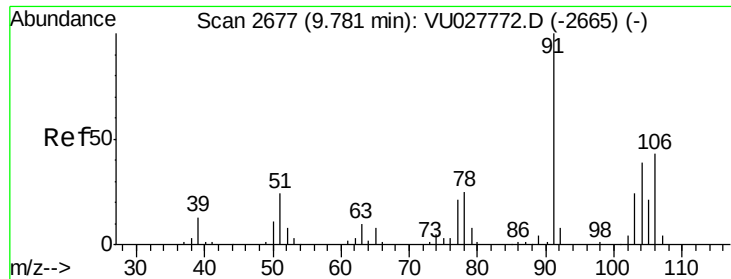
106 100

91 214.1 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027775.D (-2419) (-)





#54

o-xylene

Concen: 4.829 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

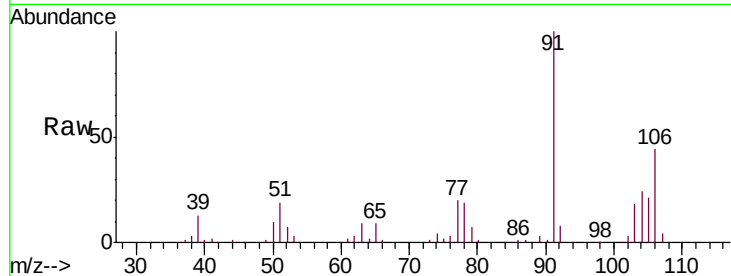
BFB47

Tgt Ion:106 Resp: 28824

Ion Ratio Lower Upper

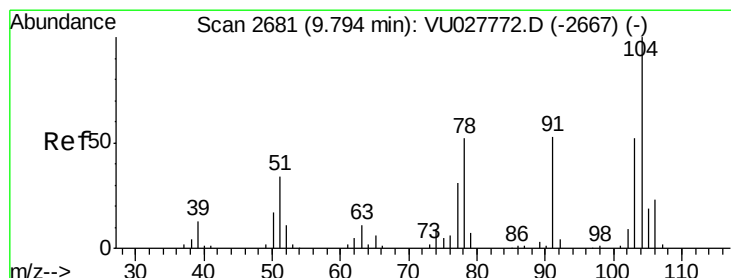
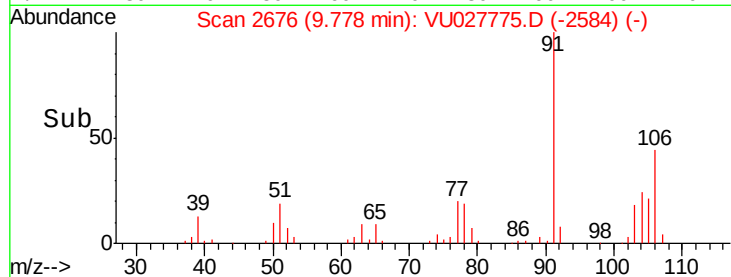
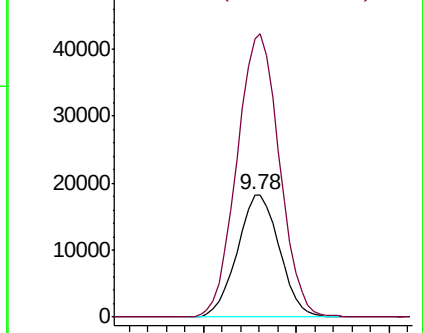
106 100

91 228.3 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.910 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027775.D

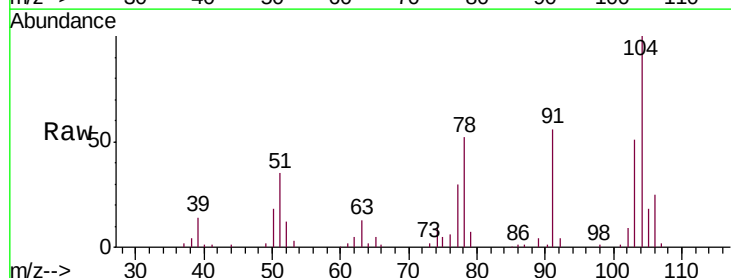
Acq: 24 Oct 2018 10:45

Tgt Ion:104 Resp: 49640

Ion Ratio Lower Upper

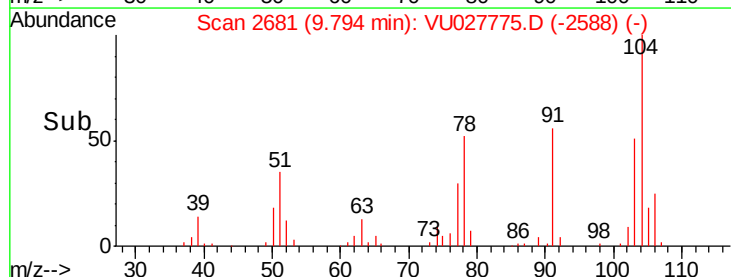
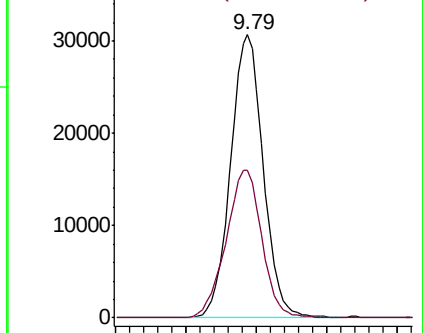
104 100

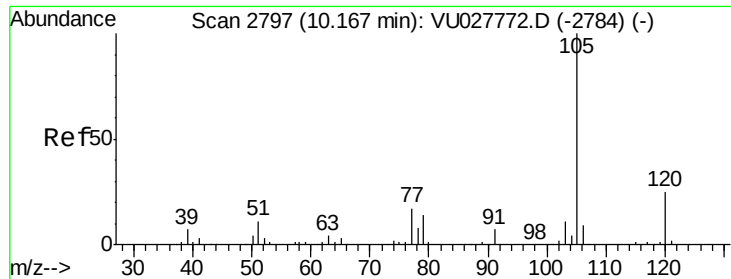
78 52.0 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.885 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

BFB47

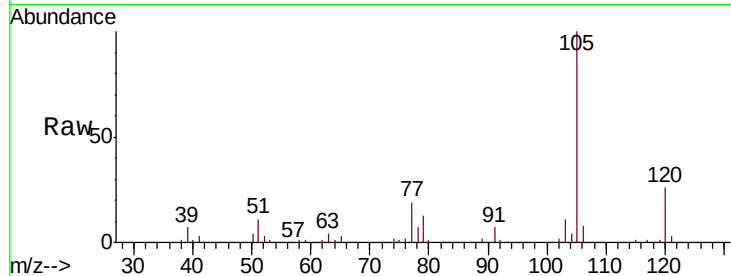
Tgt Ion: 105 Resp: 80739

Ion Ratio Lower Upper

105 100

120 25.1 19.9 29.9

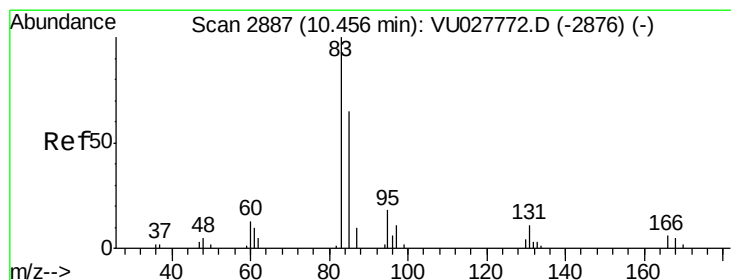
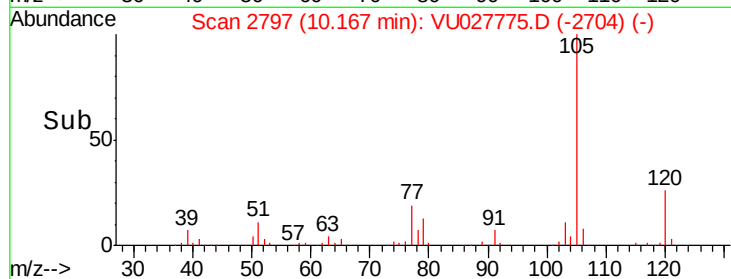
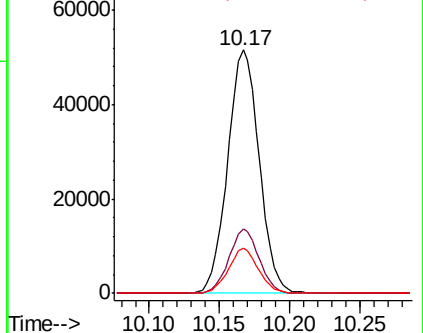
77 17.6 13.7 20.5



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: 5.099 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

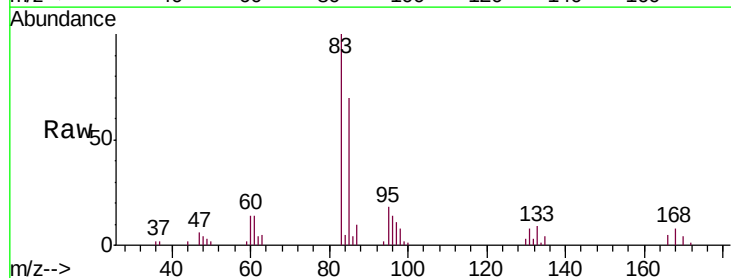
Tgt Ion: 83 Resp: 16417

Ion Ratio Lower Upper

83 100

85 69.9 45.5 84.5

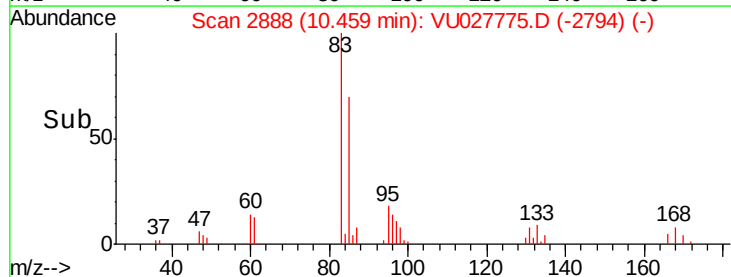
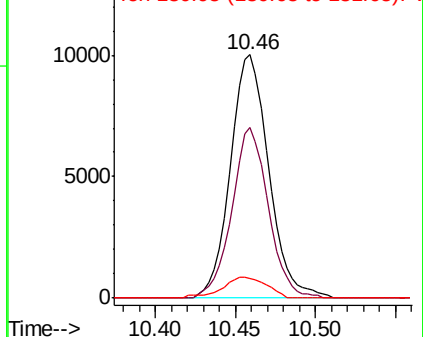
131 8.3 8.8 13.2#

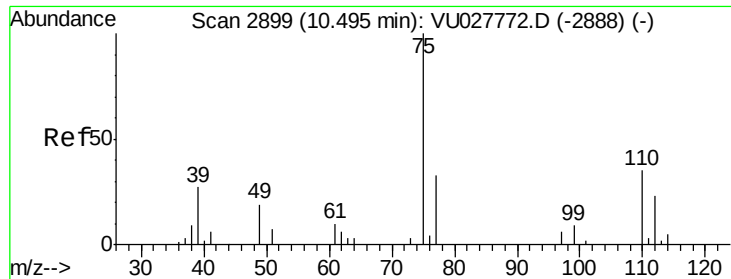


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.998 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

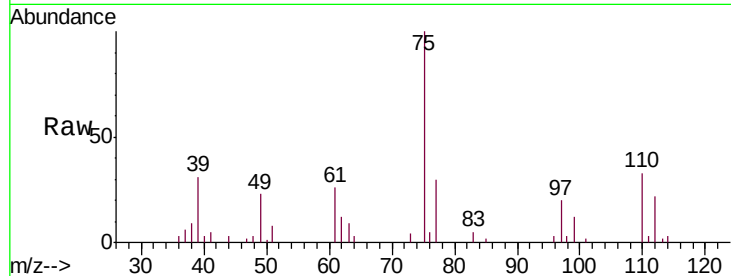
BFB47

Tgt Ion: 75 Resp: 12763

Ion Ratio Lower Upper

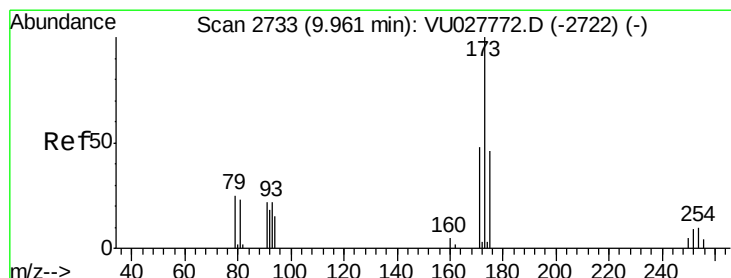
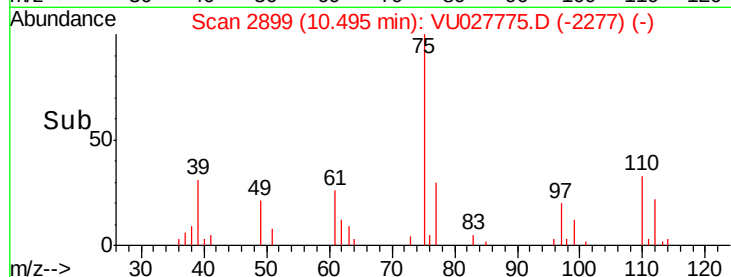
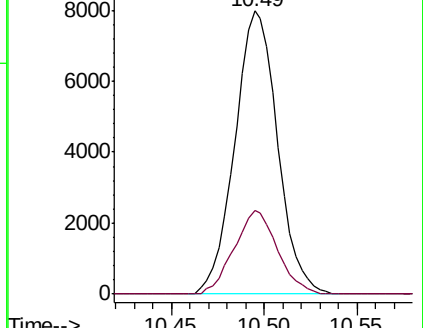
75 100

77 30.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU027772.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027772.D (-2888) (-)



#61

Bromoform

Concen: 5.181 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

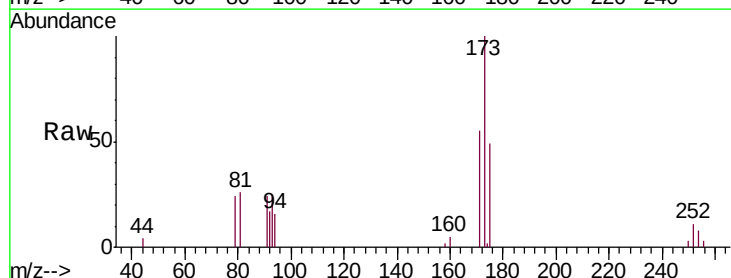
Tgt Ion: 173 Resp: 8814

Ion Ratio Lower Upper

173 100

175 48.7 37.7 56.5

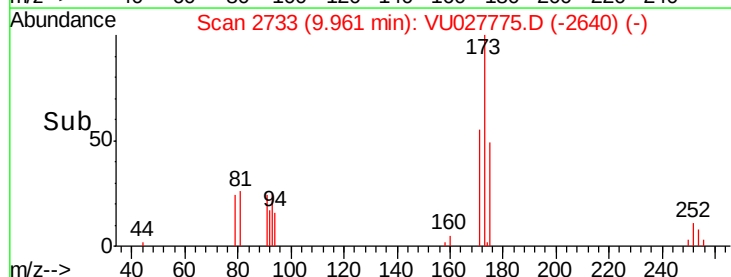
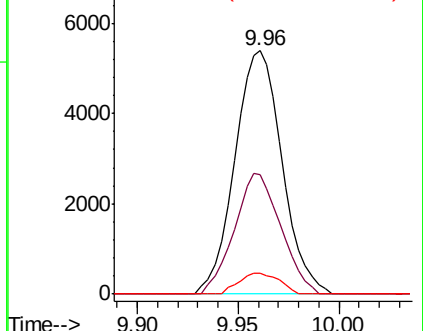
254 7.4 7.2 10.8

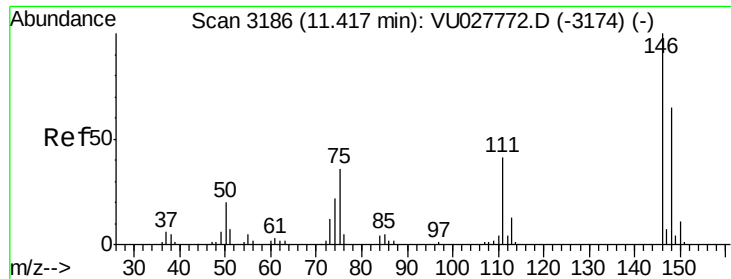


Abundance Ion 172.90 (172.60 to 173.60): VU027772.D (-2722) (-)

Ion 174.90 (174.60 to 175.60): VU027772.D (-2722) (-)

Ion 253.75 (253.45 to 254.45): VU027772.D (-2722) (-)





#62

1,3-Dichlorobenzene

Concen: 4.983 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

BFB47

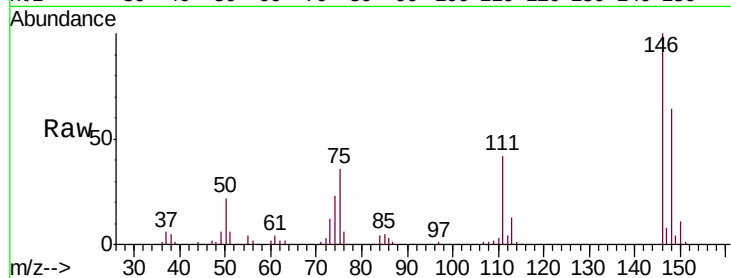
Tgt Ion:146 Resp: 35446

Ion Ratio Lower Upper

146 100

111 41.9 28.6 53.0

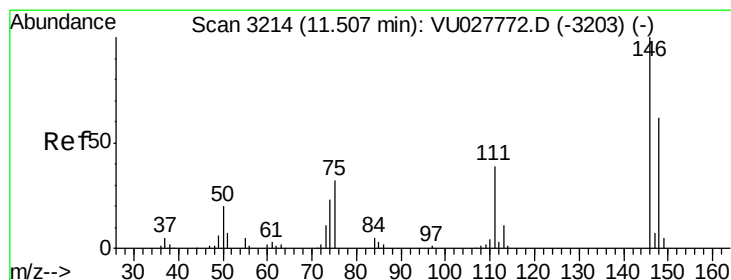
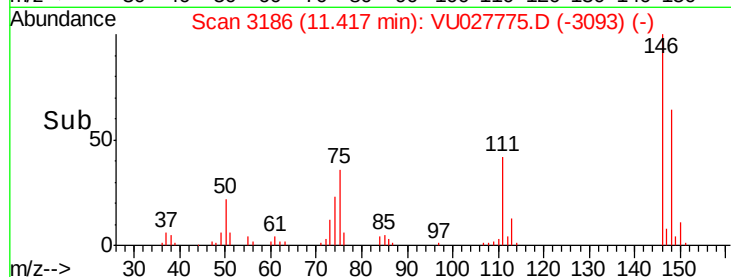
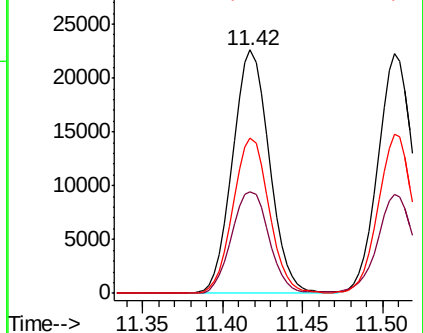
148 63.8 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.803 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

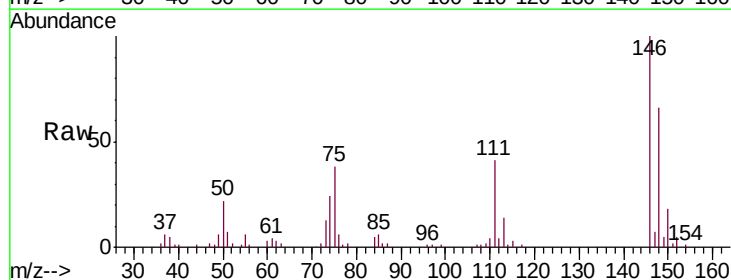
Tgt Ion:146 Resp: 34499

Ion Ratio Lower Upper

146 100

111 41.2 27.6 51.4

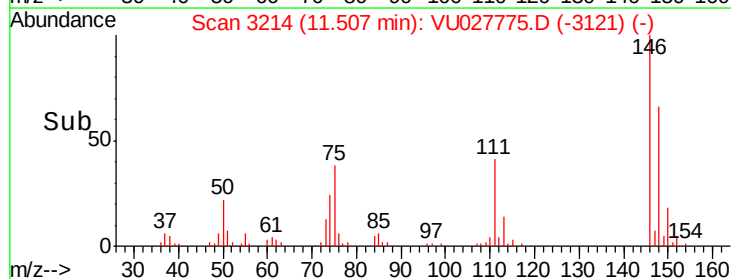
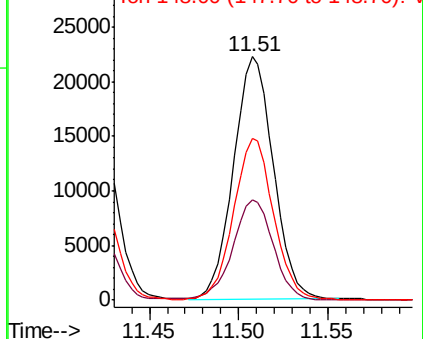
148 66.2 43.3 80.3

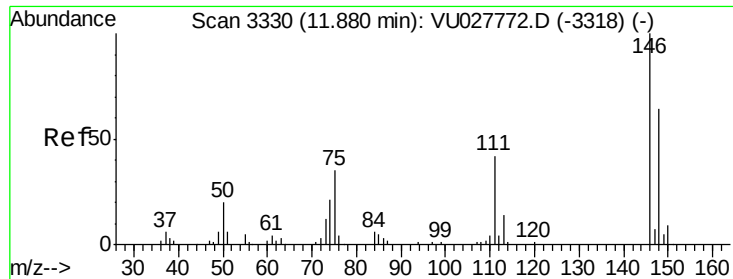


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.158 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

Instrument :

MSVOA_U

ClientSampleId :

BFB47

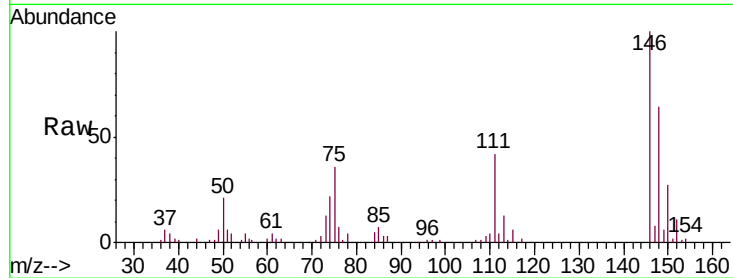
Tgt Ion:146 Resp: 34502

Ion Ratio Lower Upper

146 100

111 42.4 33.7 50.5

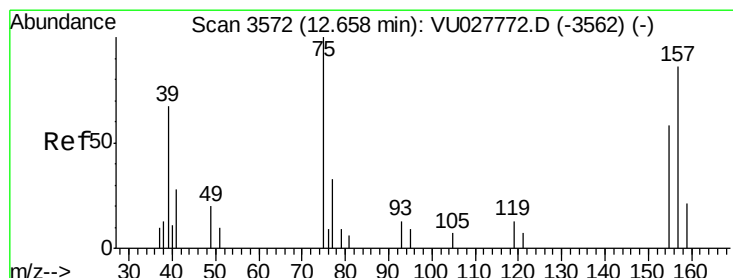
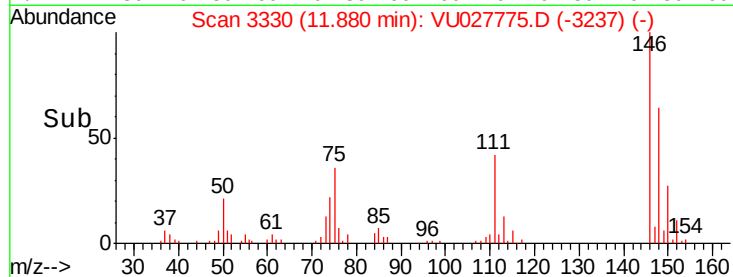
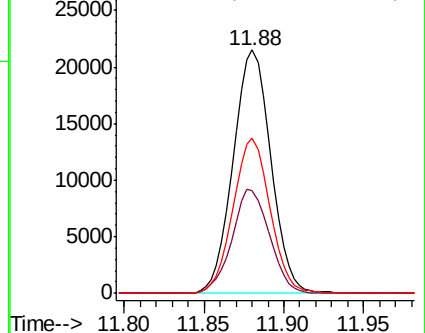
148 63.8 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.603 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027775.D

Acq: 24 Oct 2018 10:45

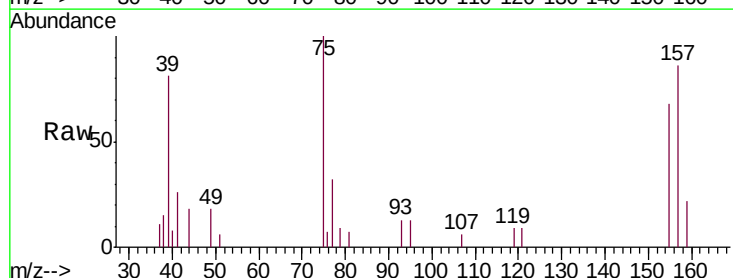
Tgt Ion: 75 Resp: 2985

Ion Ratio Lower Upper

75 100

155 68.1 46.2 69.2

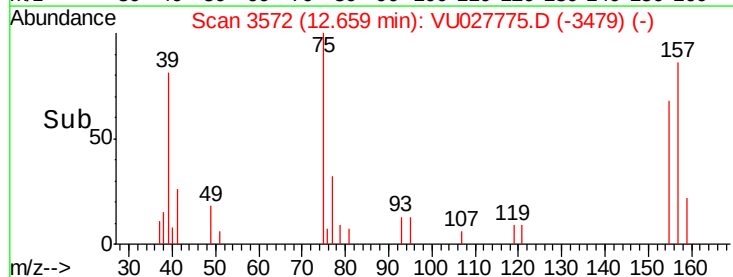
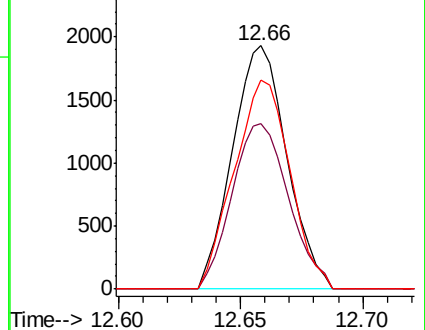
157 86.0 68.9 103.3

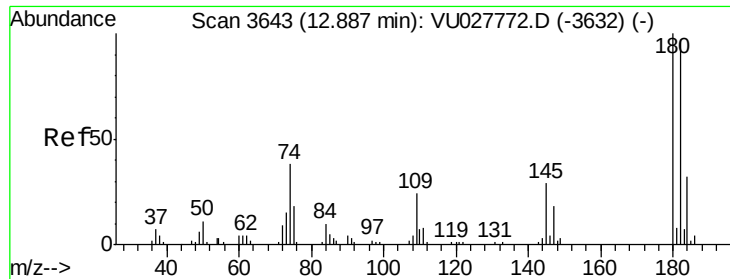


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

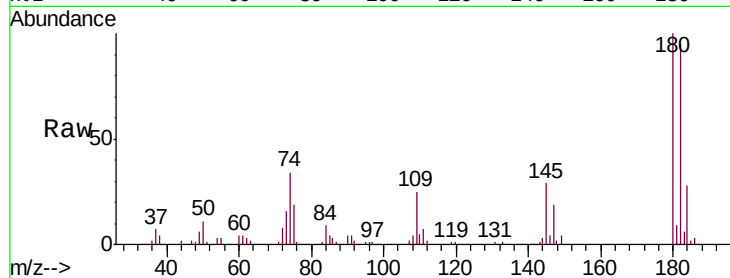




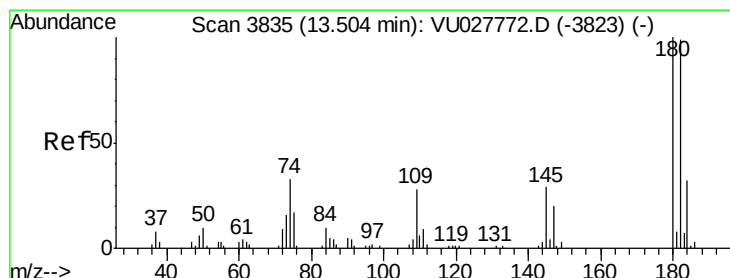
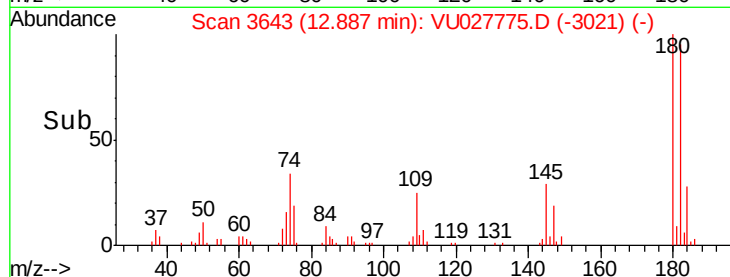
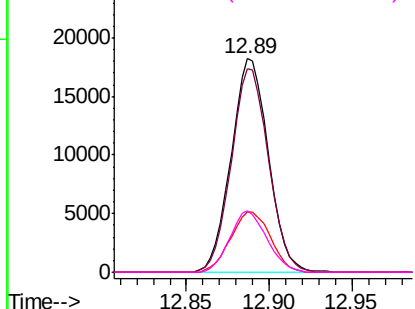
#67
 1,3,5-Trichlorobenzene
 Concen: 4.995 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Instrument :
 MSVOA_U
 ClientSampled :
 BFB47

Tgt Ion:180 Resp: 28500
 Ion Ratio Lower Upper
 180 100
 182 94.8 78.9 118.3
 184 30.1 24.6 37.0
 145 28.6 23.4 35.0

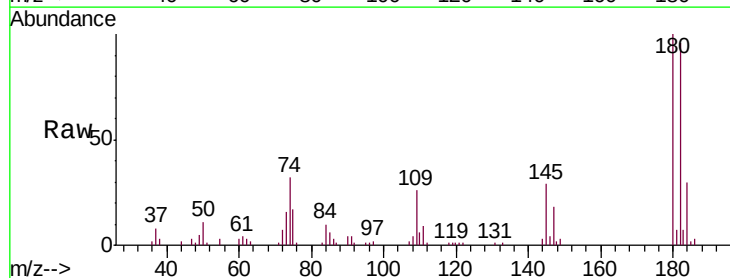


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

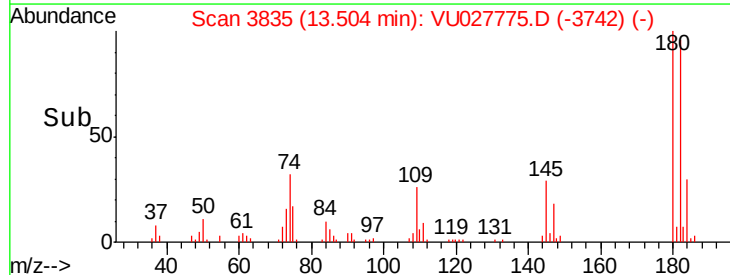
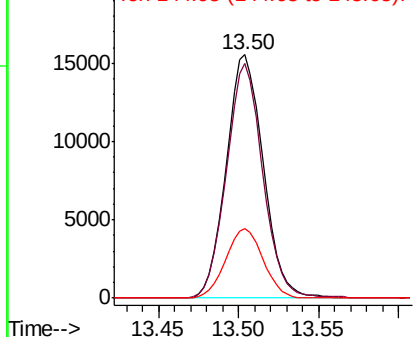


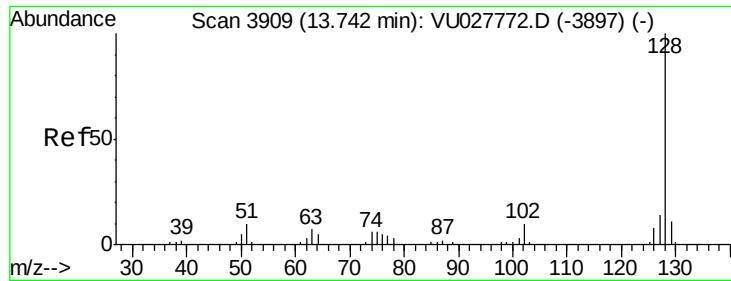
#68
 1,2,4-trichlorobenzene
 Concen: 4.953 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027775.D
 Acq: 24 Oct 2018 10:45

Tgt Ion:180 Resp: 24551
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.6 116.4
 145 28.7 23.7 35.5



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

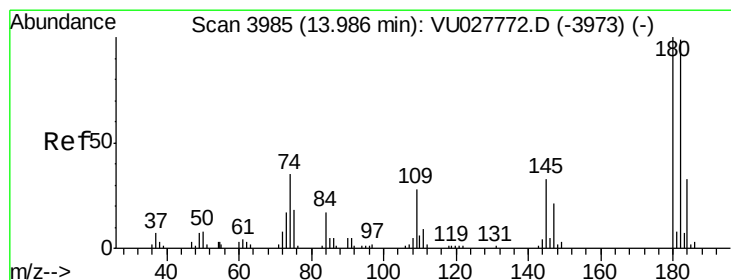
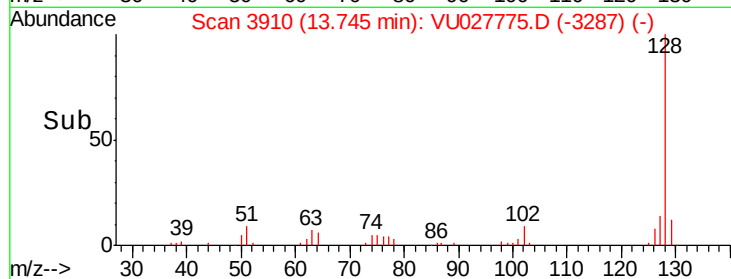
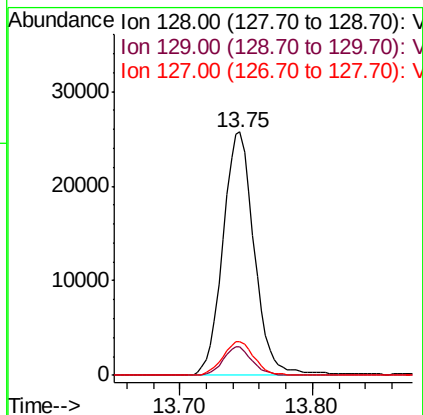
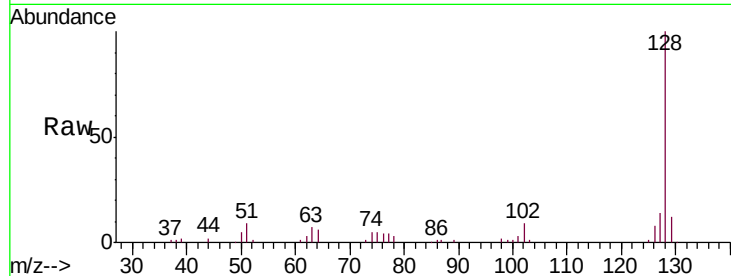




#69
Naphthalene
Concen: 5.257 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Instrument :
MSVOA_U
ClientSampleId :
BFB47

Tgt Ion:128 Resp: 42321
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.8 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 5.169 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027775.D
Acq: 24 Oct 2018 10:45

Tgt Ion:180 Resp: 23606
Ion Ratio Lower Upper
180 100
182 94.1 76.9 115.3
145 30.8 24.6 37.0

